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1160257	FALSE	FALSE
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1160414	FALSE	FALSE
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Total	1266

EED INITIALS	EED Core Data Entry	KNOWN_RP	FACILITY_TYPE
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LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Statoil	Rig
TG	TRUE	BP	Platform
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TG	TRUE	Northstar Offshore	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Saipem America	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Seadrill	Platform
TG	TRUE	Chevron	Vessel
TG	TRUE	Taylor	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Hornbeck Offshore Services	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Castex Offshore	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Texas Petrleum Investment Co.	Platform
TG	TRUE	LLOG Exploration	Platform
TG	TRUE	W&T Offshore	Platform
TG	TRUE	BP Pipelines	Platform
TG	TRUE	C-Innovation	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unkown	Unknown
TG	TRUE	C Innovation	ROV
TG	TRUE	Taylor	Platform
TG	TRUE	Subsea 7	ROV
TG	TRUE	Energy Resource Technology	Platform
TG	TRUE	Subsea 7	ROV
LMc	TRUE	Unknown	Unknown
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LMc	TRUE	Chevron	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Whistler Energy	Platform
LMc	TRUE	Targa Midstream	Pipeline
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LMc	TRUE	Harkand Service	ROV

LMc	TRUE	Harkand Service	ROV
LMc	TRUE	Unknown	Unknown
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LMc	TRUE	Fieldwood	Pipeline
LMc	TRUE	BP	ROV
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TG	TRUE	Noble Drilling	Rig
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TG	TRUE	Oceaneering	ROV
TG	TRUE	Taylor	Platform
TG	TRUE	Helis Oil & Gas Co.	Platform
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TG	TRUE	Chevron	ROV
TG	TRUE	Taylor	Platform
TG	TRUE	Unkown	Unknown
TG	TRUE	Energy XXI	Platform
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TG	TRUE	Edison Choust Offshore	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Subsea 7	ROV

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TG	TRUE	Oceaneering	ROV
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TG	TRUE	Energy resource Technology	Platform
TG	TRUE	Crimson Gulf	Pipeline
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TG	TRUE	Freeport McMoran	Platform
TG	TRUE	Talos/Energy Resource Technology	Platform
TG	TRUE	Seadrill	Rig
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LMc	TRUE	BP	ROV
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TG	TRUE	Castex Offshore	Platform
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LMc	TRUE	Freeport McMoran	Platform
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TG	TRUE	Intership Navigation	Vessel
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TG	TRUE	Fieldwood Energy	Pipeline
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TG	TRUE	Transocean Offshore	Rig
TG	TRUE	Edison Chouest	ROV
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TG	TRUE	Taylor	Platform
TG	TRUE	McMoran Oil & Gas	Platform
LMc	TRUE	Taylor	Platform
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LMc	TRUE	Fieldwood	Platform
TG	TRUE	Helix Canyon	ROV
TG	TRUE	Shell	Platform
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Taylor	Platform
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LMc	TRUE	Taylor	Platform
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LMc	TRUE	Energy XXI	Platform
LMc	TRUE	McDermott	ROV
LMc	TRUE	Harvey Gulf	Vessel
LMc	FALSE	Energy XXI	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Talos	Platform
LMc	TRUE	Chevron	Platform
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TG	TRUE	Castex Offshore	Platform
TG	TRUE	Whistler Energy II	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Energy XXI	Platform

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LMc	TRUE	Anadarko	Rig
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LMc	TRUE	Noble Drilling	Vessel
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TG	TRUE	Energy XXI	Platform
TG	TRUE	Bennu Oil & Gas	ROV
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LMc	TRUE	Shell	Rig
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LMc	TRUE	Unknown	Unknown
TG	TRUE	Whitney Oil & Gas	Pipeline
TG	TRUE	Hornbeck Offshore Services	Vessel
TG	TRUE	Chevron	Unknown
TG	TRUE	Stone Energy	Platform
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Talos Energy	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	C Innovation	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Helix Canyon Inc.	ROV
TG	TRUE	Taylor	Platform
TG	TRUE	W & T Offshore	Platform
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LMc	TRUE	Edison Chouest	Vessel
LMc	TRUE	Bennu	Platform
LMc	TRUE	Norweigan Marine	Vessel
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LMc	TRUE	BP	Rig
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LMc	TRUE	W&T	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Unknown	Unknown

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LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Edison Choust Offshore	Vessel
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Whistler Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Trans Ocean	Vessel
TG	TRUE	W & T Offshore	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Technip UK	ROV
TG	TRUE	Black Elk Energy	Platform
TG	TRUE	C-Innovations	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
LMc	TRUE	Arena	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Hess	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	BP	Platform
TG	TRUE	Ankor Energy	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Debasish Chakraborty	Platform
TG	TRUE	Black Elk Energy	Platform
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Seadrill Management Ltd	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Talos Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Whistler Energy II LLC	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Whistler Energy II	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown

TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
LMc	TRUE	Black Elk	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	Freeport McMoran	Platform
LMc	TRUE	Canyon Offshore	ROV
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Freeport	Platform
LMc	TRUE	Hess / Anadarko	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	McDermott	ROV
LMc	TRUE	ENI	Platform
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Edison Schoust	Vessel
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	BP	Platform
TG	TRUE	Transocean	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Bios D Arc	Platform
TG	TRUE	Talos Energy	Vessel
TG	TRUE	Richard Chesney	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	BP	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron Offshore	Platform
TG	TRUE	C-Innovation	ROV
TG	TRUE	Freeport McMoran Oil & Gas	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Talos Energy	Platform
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Whitney Oil & Gas	Pipeline
TG	TRUE	C-Innovation	ROV
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform

LMc	TRUE	Shell	Rig
LMc	TRUE	Taylor	Platform
LMc	TRUE	W&T	Platform
LMc	TRUE	Anadarko	Rig
LMc	TRUE	Freeport McMoran	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Chevron	Pipeline
LMc	TRUE	Chevron	Platform
LMc	TRUE	C-Dive LLC	Vessel
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Transcanada Pipeline	Platform
TG	TRUE	Shell Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Tana Exploration	Platform
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Shell Offshore	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Talos Energy	Vessel
TG	TRUE	Taylor	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Subsea 7	Vessel
TG	TRUE	Fairfield Nodal	Vessel
TG	TRUE	Talos Energy	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Pacific Drilling	Rig
TG	TRUE	Murphy Exploration & Production	Platform
TG	TRUE	Shell	Platform
TG	TRUE	Wallam GMBH & Co.	Vessel
LMc	TRUE	Chevron	Platform

LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Unknown	Unknown
TG	TRUE	Noble Energy	Platform
TG	TRUE	C-Innovation	ROV
TG	TRUE	Stone Energy	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	C-Innovation	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Talos Energy	Platform
TG	TRUE	Chevron	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Shell Oil	Platform
TG	TRUE	Anadarko Petroleum	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Noble Energy	Platform
TG	TRUE	Shell International Exploration	Rig
TG	TRUE	Adriatic Marine	Vessel
TG	TRUE	Oceaneering	ROV
LMc	TRUE	C-Innovation	ROV
LMc	TRUE	Stone	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	BP	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Energy Resource Tecnology	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Shell	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	M/V Maine Trader	Vessel
LMc	TRUE	W&T	Platform
LMc	TRUE	BP	Platform
LMc	TRUE	Subsea 7	ROV
LMc	TRUE	Chevron	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Fieldwood	Platform

TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Hess Corporation	Platform
TG	TRUE	Noble Drilling	Rig
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Norwegian Cruise Lines	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Chevron	Rig
TG	TRUE	Talos Energy	Platform
TG	TRUE	Shell Oil	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Canyon Offshore	ROV
TG	TRUE	C-Innovation	ROV
TG	TRUE	Chevron	Platform
TG	TRUE	W &T Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Freeport McMoRan Oi & Gas	Platform
TG	TRUE	Whitney Oil & Gas	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Energy Resource Technology	Platform
TG	TRUE	Hornbeck Offshore Services	Rig
LMc	TRUE	Helix	ROV
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	D&J Martin	Vessel
LMc	TRUE	Energy XXI	Pipeline
LMc	TRUE	Chevron	Vessel
LMc	TRUE	Shell	Platform
LMc	TRUE	ERT	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Talos	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Marathon	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Texas Petroleum Investment Co.	Platform
TG	TRUE	Deepcore Marine	Vessel
TG	TRUE	M/V DC Star	Rig
TG	TRUE	Energy XXI	Platform

LMc	TRUE	Taylor	Platform
LMc	TRUE	Fieldwood	Platform
TG	TRUE	Oceaneering	Platform
TG	TRUE	Northstar Offshore Group	Platform
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Arena offshore	Platform
TG	TRUE	Shell	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Fieldwood	Platform
TG	FALSE	Fieldwood	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Transocean	Rig
TG	TRUE	C Innovation	ROV
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	W&T	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Century Exploration	Pipeline
LMc	TRUE	Taylor	Platform
LMc	TRUE	Oceaneering International	Vessel
LMc	TRUE	Freeport McMoran	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Stone	Pipeline
LMc	TRUE	Shell	Platform
LMc	TRUE	Oceaneering	Vessel
LMc	TRUE	Fieldwood	Platform
TG	TRUE	Shell	Pipeline
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Noble	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Renaissance Offshore LLC	Platform
TG	TRUE	Peregrin Oil & Gas	Platform
TG	TRUE	Shell Offshore	Platform
TG	TRUE	Helix Energy Solutions	Vessel
TG	TRUE	Noble Drilling Corp.	Vessel
TG	TRUE	Hellis Oil & Gas	Platform
TG	TRUE	Shell Oil	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown

TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Freeport McMoRan Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Talos Energy	Platform
LMc	TRUE	Transocean	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Vessel
TG	TRUE	Talos Energy	Platform
TG	TRUE	Shell Offshore	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Chet Morrison Contractors	Vessel
TG	TRUE	Crimson Gulf	Pipeline
TG	TRUE	Hornbeck Offshore Services	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Talos Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Noble Drilling	Rig
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron Offshore	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Anadarko Petroleum	Rig
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Whistler Energy	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Upstream Exploration	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	McDermitt Intl.	ROV

TG	TRUE	Renaissance Offshore	Platform
TG	TRUE	Ankor	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Anadarko Petroleum Company	ROV
TG	TRUE	Freeport McMoRan Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Vessel
TG	TRUE	Superior Energy	Vessel
TG	TRUE	Anadarko Petroleum Corp.	ROV
LMc	TRUE	C Innovation	ROV
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Noble	Rig
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	L&M Botruc	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Noble Energy	Platform
TG	TRUE	Energy Resource Technology	Pipeline
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Benchmark Marine Services LLC	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Fieldwood	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Whistler Energy 2	Platform
TG	TRUE	unknown	Platform
TG	TRUE	Fieldwood Energy LLC	Platform
TG	TRUE	Walter Oil & Gas	ROV
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Texas Petroleum Investment	Platform
TG	TRUE	Stone Energy Corp.	Unknown
TG	TRUE	Unknown	Unknown

TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	M/V siem Spearfish	Vessel
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Hess Corporation	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
LMc	TRUE	Tellus	Vessel
LMc	TRUE	Genesis	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Anadarko	ROV
LMc	TRUE	Talos	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Hess	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Medco	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell	Rig
LMc	TRUE	C-Innovation	ROV
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	Texas Eastern transmission	Pipeline
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	M/V Black Diver III	Vessel
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Transocean	Rig
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell	Platform
LMc	TRUE	Talos	Platform
LMc	TRUE	Unknown	Unknown

LMc	TRUE	Shell	Platform
LMc	TRUE	Shell	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	C Innovation	ROV
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Arena	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Talos	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Hess	Rig
LMc	TRUE	Chevron	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Anadarko	Rig
LMc	TRUE	Taylor	Platform
LMC	TRUE	W&T	Pipeline
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Arena	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Taylor	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Energy Resource Technology	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Offshore, Inc.	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy Reserve Group	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	W&T Offshore	Platform

TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	W&T Offshore	Pipeline
TG	TRUE	Chevron	Platform
TG	TRUE	unknown	Platform
TG	TRUE	Genesis Crude LP	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Pacific Drilling	Rig
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Edison Chouest Offshore	Vessel
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Chevron	Platform
LMc	TRUE	Pacific Santa Ana	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Transocean	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	MC Offshore	Platform
TG	TRUE	unknown	Vessel
TG	TRUE	Freeport McMoRan Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Helix Energy Solutions	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	BP	Platform

TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Transocean	Vessel
TG	TRUE	W&T Offshore	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Energy Transfer Houston Pipeline Co.	Pipeline
TG	TRUE	IG Petroleum	Pipeline
TG	TRUE	Energy XXI	Platform
TG	TRUE	Energy Resource Technology	Platform
TG	TRUE	Genesis	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Spectra Energy	Pipeline
TG	TRUE	Loop, LLC	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Oil	Platform
TG	TRUE	Walter Oil & Gas	Platform
LMc	TRUE	F/V Bite Me, Bayou LaBatre AL	Vessel
LMc	TRUE	Fieldwood Energy	Pipeline
LMc	TRUE	Arena	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Helix	ROV
LMc	TRUE	Shell	Platform
LMc	TRUE	M/V Cheramie Botruc	Vessel
LMc	TRUE	Taylor	Platform
LMc	TRUE	Talos	Platform
LMc	TRUE	Transocean	Rig
LMc	TRUE	C Innovation	ROV
LMc	TRUE	Chevron	Platform
LMc	TRUE	BP	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Pipeline	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Walter Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy Resource Technology	Platform

TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Anadarko Petroleum Corp	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Freeport McMoRan Oil & Gas	Platform
TG	TRUE	Freeport McMoRan Oil & Gas	Platform
TG	TRUE	Arena Offshore	Platform
TG	TRUE	W&T Offshore	Vessel
TG	TRUE	Energy Resource Technology	Pipeline
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Taylor	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Filedwood	Pipeline
LMc	TRUE	Chevron	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	ERT	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Petrobras	Pipeline
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Hess	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Conoco Phillips	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Rooster	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Talos	Platform

LMc	TRUE	LOOP	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Stone	Platform
TG	TRUE	Helix Energy Solutions	Vessel
TG	TRUE	Taylor	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Genesis	Platform
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Talos Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	La Borde Marine	Vessel
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy Resource Technology	Platform
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Shell Oil	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Oil	Platform
TG	TRUE	Energy Resource Technology	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	W & T Offshore	Platform
TG	TRUE	Panther Pipeline	Pipeline
TG	TRUE	Petrobras America, Inc.	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Anadarko	Rig
TG	TRUE	Hess Corporation	Rig
TG	TRUE	Genesis	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Cox Operating	Platform
TG	TRUE	Rowan Companies	Rig
TG	TRUE	Energy XXI	Platform
TG	TRUE	Anadarko Petroleum	Rig
TG	TRUE	Arena Offshore	Platform
LMc	TRUE	W&T	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Unknown	Unknown-NESDIS

LMc	TRUE	Subsea 7	Vessel
LMc	TRUE	W&T	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Chevron	Pipeline
LMc	TRUE	Taylor	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Marubeni	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Petroquest	Pipeline
TG	TRUE	Taylor	Platform
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Freeport McMoRan Oil & Gas	Platform
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Helix Energy Solutions	Rig
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	BP	Vessel
TG	TRUE	Unknown	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Hornbeck Offshore Services	Vessel
TG	TRUE	Ridgelake Energy	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Jefferson Block 24 Oil & Gas	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Walter Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Transocean Offshore	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown

TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
LMc	TRUE	BP	Platform
LMc	TRUE	Taylor	Platform
LMc	FALSE	Talos	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Subsea 7	ROV
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Chet Morrison	Vessel
LMc	TRUE	Taylor	Platform
LMc	TRUE	Chevron	ROV
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Fieldwood	Pipeline
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Subsea 7	ROV
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Texas Petroleum Investment Co.	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Helix Energy Solutions	Vessel
TG	TRUE	Subsea 7	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Edison Chouest Offshore	Vessel
TG	TRUE	Hornbeck Offshore Services	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Pipeline	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Trans Ocean	Vessel
TG	TRUE	Whitney Oil & Gas	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Technip UK Limited	ROV
TG	TRUE	Subsea 7	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Spectra Energy	Pipeline

TG	TRUE	Murphy Oil	Platform
LMc	TRUE	Subsea 7	ROV
LMc	TRUE	BP	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Hess	Platform
LMc	TRUE	Freeport McMoran	Platform
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5/30/2016	MP
5/30/2016	EI
5/30/2016	AC
5/31/2016	MP
5/31/2016	VR
5/31/2016	MC
5/31/2016	WC
5/31/2016	EI
5/31/2016	MC
5/31/2016	GC
5/31/2016	VK
5/31/2016	WD
5/31/2016	EB
5/31/2016	SM
5/31/2016	MP
5/31/2016	VR
6/1/2016	WC

6/1/2016	EC
6/1/2016	VR
6/1/2016	MC
6/2/2016	MP
6/2/2016	SP
6/2/2016	MP
6/2/2016	GB
6/2/2016	GB
6/2/2016	MP
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6/2/2016	WD
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6/3/2016	MP
6/4/2016	MI
6/4/2016	WR
6/5/2016	SS
6/5/2016	GC
6/5/2016	EW
6/5/2016	WC
6/5/2016	SS
6/6/2016	VR
6/6/2016	HI
6/6/2016	MC
6/6/2016	GB
6/7/2016	WD
6/7/2016	GB
6/8/2016	WR
6/8/2016	WD
6/8/2016	EI
6/8/2016	MP
6/8/2016	SP
6/8/2016	MC
6/9/2016	GC
6/9/2016	EI
6/9/2016	SS
6/9/2016	MC
6/9/2016	WC
6/10/2016	MP
6/10/2016	WD
6/10/2016	WC
6/11/2016	EI
6/12/2016	GI
6/12/2016	SP
6/12/2016	MC
6/12/2016	SP
6/12/2016	GC

6/12/2016	MC
6/12/2016	ST
6/13/2016	VR
6/13/2016	ST
6/13/2016	GC
6/14/2016	GI
6/14/2016	ST
6/14/2016	MC
6/14/2016	EC
6/15/2016	KW
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6/16/2016	GC
6/16/2016	MC
6/17/2016	SS
6/17/2016	MP
6/17/2016	SP
6/17/2016	GC
6/17/2016	GC
6/17/2016	MC
6/17/2016	VK
6/19/2016	SS
6/19/2016	BA
6/19/2016	LL
6/20/2016	MC
6/21/2016	MP
6/21/2016	MB
6/22/2016	EI
6/22/2016	MP
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6/23/2016	GI
6/23/2016	MC
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6/24/2016	SM
6/24/2016	MC
6/24/2016	MC
6/25/2016	MP
6/25/2016	MC
6/25/2016	VK
6/25/2016	MP
6/26/2016	SP
6/26/2016	EC
6/26/2016	VK
6/26/2016	SS
6/26/2016	WR
6/27/2016	BS
6/27/2016	WD
6/27/2016	EC

6/27/2016	MC
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6/28/2016	MP
6/28/2016	GC
6/28/2016	WD
6/28/2016	HI
6/28/2016	WD
6/28/2016	MC
6/29/2016	GB
6/29/2016	ST
6/29/2016	EI
6/29/2016	SS
6/29/2016	EI
6/29/2016	SS
6/29/2016	ST
6/29/2016	SM
6/29/2016	GA
6/30/2016	WD
6/30/2016	GC
6/30/2016	MC
6/30/2016	WR
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7/1/2016	AC
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7/4/2016	MC
7/5/2016	MC
7/6/2016	MP
7/7/2016	GC
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7/7/2016	GB
7/8/2016	VK
7/8/2016	GC
7/8/2016	MC
7/10/2016	HI
7/10/2016	GC
7/10/2016	SP
7/10/2016	MC
7/10/2016	EI
7/10/2016	GC
7/11/2016	SB
7/11/2016	MP
7/11/2016	MC
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7/12/2016	MC
7/12/2016	MP
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7/12/2016	VR
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7/12/2016	GC
7/12/2016	VK
7/13/2016	MC
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7/14/2016	AC
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7/16/2016	EC
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7/16/2016	GB
7/17/2016	GB
7/18/2016	MC
7/18/2016	GC
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7/23/2016	SP
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7/26/2016	MI
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7/31/2016	GB
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8/1/2016	MC
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8/1/2016	GB
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8/2/2016	MC
8/2/2016	MP
8/2/2016	SS
8/3/2016	SS
8/3/2016	MC
8/3/2016	HI
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8/3/2016	GI
8/3/2016	EI
8/4/2016	WD
8/4/2016	VR
8/4/2016	MC
8/4/2016	MC
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8/4/2016	SM
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8/10/2016	WD
8/10/2016	GI
8/10/2016	WD
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8/11/2016	EI
8/12/2016	VR
8/12/2016	EB
8/12/2016	VK
8/13/2016	MC
8/13/2016	GC
8/14/2016	WR

8/14/2016	MC
8/14/2016	VR
8/14/2016	BM
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8/16/2016	MC
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8/18/2016	WC
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8/19/2016	GC
8/19/2016	VR
8/20/2016	GC
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8/20/2016	MC
8/21/2016	ST
8/21/2016	SM
8/21/2016	MC
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8/22/2016	MC
8/22/2016	SS
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8/22/2016	MC
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8/25/2016	GI
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8/25/2016	HI

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8/27/2016	MC
8/27/2016	SP
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8/30/2016	WC
8/30/2016	MC
8/31/2016	MC
9/1/2016	WD
9/1/2016	GI
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9/2/2016	MC
9/2/2016	MC
9/2/2016	GB
9/2/2016	GC
9/3/2016	MP
9/3/2016	MP
9/3/2016	VK
9/3/2016	MC
9/4/2016	MC
9/4/2016	WD
9/4/2016	MC
9/4/2016	MC
9/4/2016	MP
9/5/2016	GC
9/5/2016	WR
9/5/2016	MP
9/5/2016	GC
9/5/2016	WD
9/6/2016	SS
9/6/2016	MC
9/6/2016	EI
9/6/2016	GC
9/7/2016	SP
9/7/2016	HI
9/7/2016	MC
9/7/2016	MC
9/8/2016	MC
9/8/2016	MP
9/8/2016	EC

9/8/2016	GC
9/9/2016	MC
9/9/2016	MC
9/9/2016	MC
9/9/2016	WD
9/10/2016	SP
9/10/2016	MC
9/11/2016	VK
9/11/2016	SS
9/11/2016	MP
9/12/2016	GC
9/12/2016	GI
9/12/2016	SP
9/12/2016	GI
9/12/2016	MC
9/12/2016	WD
9/12/2016	MP
9/13/2016	MC
9/13/2016	GI
9/13/2016	WD
9/13/2016	MC
9/13/2016	VK
9/14/2016	MC
9/14/2016	MC
9/14/2016	MC
9/14/2016	GC
9/15/2016	VK
9/15/2016	WD
9/15/2016	MP
9/16/2016	SS
9/16/2016	SS
9/16/2016	MC
9/16/2016	GA
9/17/2016	GI
9/17/2016	MP
9/17/2016	GC
9/17/2016	GB
9/17/2016	GC
9/18/2016	EC
9/18/2016	MP
9/18/2016	GC
9/18/2016	MP
9/19/2016	GB
9/19/2016	GB
9/19/2016	MP
9/19/2016	MC
9/19/2016	MC

9/19/2016	EC
9/20/2016	SP
9/20/2016	MP
9/20/2016	GI
9/20/2016	MC
9/21/2016	MC
9/21/2016	GI
9/21/2016	WD
9/21/2016	GC
9/21/2016	WD
9/22/2016	WC
9/22/2016	WD
9/22/2016	WR
9/22/2016	MC
9/23/2016	GI
9/23/2016	MC
9/23/2016	GC
9/24/2016	MC
9/24/2016	WR
9/25/2016	MC
9/25/2016	SS
9/25/2016	ST
9/25/2016	WD
9/25/2016	ST
9/25/2016	SP
9/26/2016	GA
9/26/2016	SP
9/27/2016	EI
9/27/2016	GA
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9/27/2016	MC
9/28/2016	SP
9/28/2016	SS
9/28/2016	GC
9/28/2016	MP
9/28/2016	SS
9/28/2016	ST
9/28/2016	VR
9/28/2016	EI
9/29/2016	GB
9/29/2016	MC
9/30/2016	GC
9/30/2016	GC
9/30/2016	ST
9/30/2016	MC

Area	BLOCK	LEASE	JURISDICTION	FACILITY
Ship Shoal	224		Houma	A
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	778	G09868	New Orleans	
Mississippi Canyon	942		New Orleans	Maersk Developer
Mississippi Canyon	782	15610	New Orleans	A
Mississippi Canyon	20		New Orleans	A
West Cameron	21		Lake Charles	G
Eugene Island	32	0196	Lafayette	F
Mississippi Canyon	822		New Orleans	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	777		New Orleans	
Walker Ridge	29		Houma	Island Enforcer
Mississippi Canyon	20		New Orleans	A
South Timbalier	52	1241	Houma	C
Mississippi Canyon			New Orleans	Hos Achiever 9414163
South Timbalier	51		Houma	CE
Eugene Island	224	05504	Lafayette	
Mississippi Canyon	20		New Orleans	A
Breton Sound	28		New Orleans	
Mississippi Canyon	254	30242	New Orleans	
Ship Shoal	238	03169	Houma	
Main Pass	260		New Orleans	
Walker Ridge	29		Houma	Island Enforcer 9484780
Ship Shoal	159		Houma	
West Delta	30	026	New Orleans	T
Mississippi Canyon	20		New Orleans	A
High Island			Lake Jackson	
Ship Shoal			Houma	
Mississippi Canyon	948		New Orleans	UHD22
Mississippi Canyon	20		New Orleans	A
Green Canyon	787		Houma	CM Stingray 9676292
Main Pass	72		OSPD-State	
Green Canyon	787		Houma	CM Stingray 9676292
West Delta	31	00016	New Orleans	E
Mississippi Canyon	20		New Orleans	A
South Timbalier	300		Houma	A
South Timbalier	23	00166	Houma	CC
West Delta	32	00367	New Orleans	ADE
Green Canyon	18	G05809	Houma	
South Timbalier	130		Houma	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	807	G07963	New Orleans	B
Main Pass	300	G01317	New Orleans	B
Garden Banks - Lafayette	426	G07493	Lafayette	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon			New Orleans	M/V Spearfish

Mississippi Canyon	348		New Orleans	M/V Spearfish
Matagorda Island	520		Lake Jackson	
Mississippi Canyon	20		New Orleans	A
West Delta	68	00180	New Orleans	U
Green Canyon	787		Houma	M/V Siem Stingray
South Timbalier	34		Houma	Unknown
South Marsh Island	69	G01201	Lafayette	B
Main Pass	260		New Orleans	
Mississippi Canyon	20		New Orleans	A
Matagorda Island	520		Lake Jackson	L
Mississippi Canyon	311	G02968	New Orleans	A
Green Canyon	787		Houma	Siem Stingray
Eugene Island	225-241		Lafayette	
South Pass	49		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Eugene Island	337		Lafayette	Unknown
South Timbalier	34	G04842	Houma	
Alaminos Canyon			Lake Jackson	Unknown
Keathley Canyon	686		Lafayette	Unknown
Mississippi Canyon	20		New Orleans	A
South Marsh Island	169		Lafayette	Unknown
Mississippi Canyon	127		New Orleans	Grant Candies
Mississippi Canyon	20		New Orleans	A
Green Canyon	338	21790	Houma	
Mississippi Canyon	20		New Orleans	A
Vermillion	256		Lake Charles	E
Mississippi Canyon	20		New Orleans	A
Grand Isle	92		New Orleans	Noble Bully 1 No. 14932
Eugene Island	238	0982	Lafayette	E
Grand Isle	22	00031	New Orleans	L
Mississippi Canyon	20		New Orleans	A
Green Canyon	640		Houma	ROV MIL 165
Mississippi Canyon	20		New Orleans	A
Ship Shoal	45		Houma	
Mississippi Canyon	20		New Orleans	A
Walker Ridge	29		Houma	Island Enforcer 9484780
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	775		New Orleans	
West Delta	30	026	New Orleans	
Mississippi Canyon	20		New Orleans	A
Green Canyon	608		Houma	
South Pass	65	1510	New Orleans	A
South Timbalier	24	0386	Houma	SJ
Mississippi Canyon	20		New Orleans	A
High Island	589		Lake Jackson	A
Green Canyon	787		Houma	Siam Stingray IMO-9676297

Mississippi Canyon	736	G27306	New Orleans	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Florida Plain			New Orleans	OSG 209
Viosca Knoll	915	G06894	New Orleans	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	127	G19925	New Orleans	A
Mississippi Canyon	20		New Orleans	A
Grand Isle	92		New Orleans	MODU Noble Bully 1
Eugene Island	238		Lafayette	
Mississippi Canyon	20		New Orleans	A
Main Pass	72	G06894	New Orleans	Unknown
High Island	376	G02754	Lake Jackson	A
South Pass	89		New Orleans	Millenium 79
Eugene Island	238	G00982	Lafayette	E
Mississippi Canyon	20		New Orleans	A
Alaminos Canyon	25		Lake Jackson	
Mississippi Canyon	778		New Orleans	CM Stingray
South Pass	89		New Orleans	E
Mississippi Canyon	778		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Green Canyon	726		Houma	Rowan Resolute
Mississippi Canyon	35		New Orleans	HOS Blackfoot
Mississippi Canyon	127		New Orleans	Noble Tom Madden
Mississippi Canyon	474	23624	New Orleans	
Mississippi Canyon	474	23624	New Orleans	
Ship Shoal	349	12008	Houma	A
Mississippi Canyon	20		New Orleans	A
High Island	384	3316	Lake Jackson	A
Atwater	63		New Orleans	Q5000 IMO 8772104
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	721		New Orleans	Fairfield Nodal
Mississippi Canyon	474		New Orleans	Siem Stingray 9676292
Green Canyon	683		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Walker Ridge	51		Houma	Hos Coral
Mississippi Canyon	777	09867	New Orleans	Unknown
South Timbalier	52		Houma	A
Vermillion	331	02572	Lake Charles	A
Main Pass			OSPD-State	
High Island	261		Lake Jackson	Fast Giant
Main Pass	310		New Orleans	A
Main Pass	265	19863	New Orleans	A
Vermillion	252	G05431	Lake Charles	A
South Pelto	11		Houma	Unknown
Main Pass	144	1634	New Orleans	
Mississippi Canyon	20		New Orleans	A

Ship Shoal	225	01984	Houma	B
Eugene Island	238	0982	Lafayette	H
Ship Shoal	108		Houma	segment 10797
Mississippi Canyon	474		New Orleans	Siem Stingray
Corpus Christi			Lake Jackson	Unknown
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	778		New Orleans	A Thunderhorse
Ship Shoal	214		Houma	
Mississippi Canyon	20		New Orleans	A
South Marsh Island	130		Houma	Unknown
Mississippi Canyon	778		Houma	Siem Stingray
East Cameron	14	G01440	Lake Charles	B
Ship Shoal	349		Houma	Unknown
High Island	376	G02754	Lake Jackson	
Mississippi Canyon	20		New Orleans	A
South Timbalier	300	G04240	Houma	A
Ship Shoal	168		Houma	Unknown
Ship Shoal	69		Houma	N04
West Delta	80	G01874	New Orleans	D
East Cameron	14	G01440	Lake Charles	B
Mississippi Canyon	763	G07963	New Orleans	Mars MC 807 B
Mississippi Canyon	807		New Orleans	Unknown
Green Canyon	903		Houma	M/V Normand Oceanic
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	172	G14221	Lafayette	B
East Breaks	945		Lake Jackson	Deepwater Champion
Walker Ridge	758		Houma	ROV
Mississippi Canyon	778		New Orleans	Thunderhorse
Mississippi Canyon	778		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Vermillion	31		Lake Charles	
West Delta	73	G01083	New Orleans	Unknown
Florida Plain			New Orleans	Unknown
Bay Marchand	3	G01367	Houma	C & I
Ship Shoal	114	00064	Houma	A
Green Canyon	726	G24179	Houma	Rowan Resolute
Florida Plain			New Orleans	Unknown
East Cameron	104		Lake Charles	
South Pass	28	00694	New Orleans	VV
Ewing Bank	910	13079	Houma	
Mississippi Canyon	20		New Orleans	A
Green Canyon	18	0940	Houma	
Mississippi Canyon			New Orleans	UHT81
East Breaks	690	14205	Lake Jackson	
Viosca Knoll	915		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Main Pass	71		New Orleans	Unknown

Mississippi Canyon	807	8963	New Orleans	
Mississippi Canyon	20		New Orleans	A
Ship Shoal	69	3577	Houma	
Garden Banks - Lafayette	426	7493	Lafayette	
Main Pass			New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Main Pass	75		New Orleans	Unknown
South Pass	11	998	OSPD-State	
East Cameron	338	2063	Lake Charles	A
South Timbalier	63	0599	Houma	A
Main Pass	70 or 69		New Orleans	
Green Canyon	782	15610	Houma	
South Marsh Island	228	2316	Houma	A
Main Pass	299	12362	New Orleans	FP
Vermillion	127		Lake Charles	A
Mississippi Canyon	776		New Orleans	West Vela 9609407
South Pass	60		New Orleans	E
Green Canyon	18	04940	Houma	
Mississippi Canyon	20		New Orleans	A
South Pelto	23	0-1238	Houma	D
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	778	G09868	New Orleans	
Mississippi Canyon	127		New Orleans	Unknown
Garden Banks - Lafayette	783	G11573	Lafayette	A
Mississippi Canyon	20		New Orleans	A
High Island	489	G02372	Lake Jackson	B
Ewing Bank	910		Houma	M/V Ibbeville
Ewing Bank	305	G04254	Houma	A
High Island	557	G03484	Lake Jackson	A
West Delta	143	G30018	New Orleans	B
South Pelto	23	G01238	Houma	C
Mississippi Canyon	127		New Orleans	Unknown
Green Canyon	627		Houma	West Capricorn
Mississippi Canyon	20		New Orleans	A
Green Canyon	645		Houma	Holstein platform
Main Pass	300	G01317	New Orleans	B
Ship Shoal	222	G01525	Houma	
Mississippi Canyon	20		New Orleans	A
Green Canyon	18		Houma	A
Grand Isle	43	0175	New Orleans	
Mississippi Canyon	20		New Orleans	A
Green Canyon	608		Houma	REM Installer 9661170
Ship Shoal	225	1984	Houma	Unknown
Green Canyon	60	23001	Houma	A
Green Canyon	726		Houma	Rowan Resolute
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	426		Lafayette	A

Green Canyon	608		Houma	XLXROV Marco Polo
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	566		New Orleans	Noble Globe Trotter 1
Mississippi Canyon	79		New Orleans	
Mississippi Canyon	20		New Orleans	A
Ewing Bank	910	13079	Houma	A
Mississippi Canyon	20		New Orleans	A
Main Pass	140	2193	New Orleans	
Green Canyon	515		Houma	Norman Clipper 9236200
Mississippi Canyon	776	14657	New Orleans	Thunder Horse
Mississippi Canyon			New Orleans	
South Timbalier	52		Houma	Unknown
Mississippi Canyon	21		New Orleans	Unknown
South Marsh Island	130		Lafayette	
South Pass	65		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Eugene Island	65		Lafayette	Unknown
Main Pass	300	1317	New Orleans	B
South Timbalier	188		Houma	CA
Green Canyon	515		Houma	
South Pass	93		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Green Canyon	468		Houma	
Green Canyon	645		Houma	
Grand Isle	40	0128	New Orleans	G
Mississippi Canyon	20		New Orleans	A
South Pass	28	1012	OSPD-State	W
Main Pass	310	4126	New Orleans	A
Green Canyon	556		Houma	Unknown
Green Canyon	515		Houma	Norman Clipper 9236200
Mississippi Canyon	20		New Orleans	A
Ewing Bank	910		Houma	Unknown
Walker Ridge	29		Houma	Island Enforcer IMO-9484780
Walker Ridge	29		Houma	M/V Island Enforcer
Main Pass	299		New Orleans	Unknown
Ship Shoal	181		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	128	G11455	Lafayette	Unknown
Ship Shoal	218	00830	Houma	
East Cameron	330	G03540	Lake Charles	
Mississippi Canyon	20		New Orleans	A
South Pass	89		New Orleans	B
South Marsh Island	310		Lafayette	Unknown
Mississippi Canyon	20		New Orleans	A
Main Pass			New Orleans	
Main Pass	42	00375	New Orleans	D
Mississippi Canyon	20		New Orleans	A

Grand Isle			New Orleans	
Green Canyon	680		Houma	Unknown
Green Canyon	609		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
West Delta	31		New Orleans	Unknown
Alaminos Canyon	857		Lake Jackson	deep sea wellhead
South Timbalier	30		Houma	Unknown
East Cameron	14	G01440	Lake Charles	
Keathley Canyon	96	G31355	Lafayette	Rig Santa Ana
South Timbalier	300	G04240	Houma	A
Green Canyon	424		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
North Padre Island	975	G33388	Lake Jackson	
Mississippi Canyon	822	G09868	New Orleans	
Mississippi Canyon	20		New Orleans	A
West Cameron	71	0244	Lake Charles	D
Mobile			OSPD-State	Unknown
Mississippi Canyon	773		New Orleans	Deep Blue
Main Pass	152		New Orleans	Unknown
South Marsh Island	69	01201	Lafayette	B
West Delta	86	2934	New Orleans	
Main Pass	133		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Eugene Island	184	05498	Lafayette	
Mississippi Canyon	20		New Orleans	A
South Marsh Island	69	01201	Lafayette	
Mississippi Canyon	20		New Orleans	A
Keathley Canyon	98		Lafayette	Rig Pacific Santa Ana
Viosca Knoll	956	G06896	New Orleans	A
Alaminos Canyon	858		Lake Jackson	Unknown
Mississippi Canyon	20		New Orleans	A
Main Pass	299	12362	New Orleans	FP
Main Pass	69		New Orleans	
Eugene Island	224		Lafayette	
Mississippi Canyon	650		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Alaminos Canyon	425		Lake Jackson	Sgip Island 1252958
Ewing Bank	305		New Orleans	A
Garden Banks - Lafayette	426	7493	Lafayette	A
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
High Island	334	02423	Lake Jackson	
Viosca Knoll	956		New Orleans	Unknown
Eugene Island	237	G00981	Lafayette	K
Mississippi Canyon	20		New Orleans	A
Bay Marchand	3	00370	Houma	

Ship Shoal	214	00828	Houma	
Mississippi Canyon	20		New Orleans	A
Viosca Knoll	956	G06896	New Orleans	A Ram Powell
Eugene Island	314		Lafayette	B
Ship Shoal	69	G03577	Houma	
Ship Shoal	69	3577	Houma	A
Main Pass	299		New Orleans	
Ship Shoal	114		Houma	Unknown
Apalachicola			New Orleans	Federal Katsura 9293923
Mississippi Canyon	20		New Orleans	A
Grand Isle			New Orleans	
Mississippi Canyon	20		New Orleans	A
Keathley Canyon	770		Lafayette	Discovery India 9521215
Walker Ridge	29		Houma	Island Enforcer
Green Canyon	18		Houma	A
Mississippi Canyon	20		New Orleans	A
West Delta	27	3978	OSPD-State	
Mississippi Canyon	20		New Orleans	A
West Delta	59		New Orleans	Unknown
Vermillion	362		Lake Charles	
Walker Ridge	584		Houma	
Mississippi Canyon	807	7863	New Orleans	B
West Delta	24	2869	OSPD-State	4D
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	762		New Orleans	Stim Star !!! 9274991
Mississippi Canyon	20		New Orleans	A
Green Canyon	18		Houma	Unknown
Alaminos Canyon	857	G17565	Lake Jackson	
South Marsh Island	61	G003145	Lafayette	C
Walker Ridge	584		Houma	XLS02
Alaminos Canyon	857		Lake Jackson	M/V Harvey Eagle
West Delta	32	00367	New Orleans	ADE
Ship Shoal	207		Houma	A
East Cameron	346	G06655	Lake Charles	
Green Canyon	205	G51318	Houma	A
Walker Ridge	29		Houma	Island Enforcer 9484780
Mississippi Canyon	20		New Orleans	A
West Delta	27	4497	New Orleans	A
High Island	376	2754	Lake Jackson	A
Mississippi Canyon	20		New Orleans	A
Main Pass	300	1317	New Orleans	B
High Island	176	27509	Lake Jackson	D
Green Canyon	18	04940	Houma	A
West Delta	30	026	New Orleans	J
Ship Shoal	209	0827	Houma	A
West Delta	30	026	New Orleans	7

Main Pass	310	4126	New Orleans	A
West Delta	32		New Orleans	Unknown
Garden Banks - Lake Jackson	426	7493	Lake Jackson	A
High Island	563	2388	Lake Jackson	B
Mississippi Canyon	20		New Orleans	A
Ship Shoal	358		Houma	Unknown
East Breaks	690		Lake Jackson	Rig Noble Bob Douglas
Grand Isle	43		New Orleans	Unknown
Green Canyon	726	G24179	Houma	Rig Rowan Resolute
Green Canyon	643		Houma	Noble San Croft
Mississippi Canyon	20		New Orleans	A
Grand Isle	22	032	New Orleans	R
Mississippi Canyon	941		New Orleans	
Walker Ridge	29		Houma	
South Timbalier	206	G05613	Houma	A
Mississippi Canyon	566		New Orleans	M/V Noble Globe Trotter I
Mississippi Canyon	20		New Orleans	A
Ewing Bank	305	G04254	Houma	
Ship Shoal	69		Houma	A
South Timbalier	52		Houma	Unknown
South Pass	24	998	OSPD-State	Well 998
South Timbalier			Houma	Hos Blackwatch 1244581
Walker Ridge	29		Houma	
Viosca Knoll	989		New Orleans	
Ship Shoal	69	3577	Houma	A
Mississippi Canyon	20		New Orleans	A
South Pelto	22	18054	Houma	A
Grand Isle	43		New Orleans	AP
Mississippi Canyon	778		New Orleans	Thunder Horse 8765199
Alaminos Canyon	857		Lake Jackson	Unknown
Walker Ridge	584	20351	Houma	XLS02
Mississippi Canyon	20		New Orleans	A
Ewing Bank	910		Houma	
Mississippi Canyon	20		New Orleans	A
Green Canyon	869		Houma	Ensco DS3
Keathley Canyon	102		Lake Charles	M/V Juan C
Mississippi Canyon	941	G16661	New Orleans	A
Mississippi Canyon	127		New Orleans	Normand Oceanic
South Timbalier	23		Houma	Unknown
Garden Banks - Lafayette	426		Lafayette	wellhead
Mississippi Canyon	777		New Orleans	Seadrill West Vela
Main Pass	299		New Orleans	Unknown
Green Canyon	645		Houma	
Ewing Bank		G13079	Houma	
Eugene Island	284		Lafayette	Unknown
Main Pass	299	12362	New Orleans	
Ship Shoal	198		Houma	

Mississippi Canyon	20		New Orleans	A
Main Pass	310	G04126	New Orleans	A
East Cameron	339	G27051	Lake Charles	A
Mississippi Canyon	20		New Orleans	A
Green Canyon	645		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
South Timbalier			Houma	
Grand Isle	33	4002	New Orleans	A
Green Canyon	18	05809	Houma	A
Ship Shoal	169		Houma	Unknown
Keathley Canyon	102		Lake Jackson	Deepwater Asgard IMO 9620580
Viosca Knoll	734	13672	New Orleans	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
Walker Ridge	508		Houma	Deep Blue 9215359
Galveston	424	G22219	Lake Jackson	
Walker Ridge	584		Houma	
Bay Marchand	23		Houma	
Mississippi Canyon	20		New Orleans	A
South Marsh Island	192	G24878	Lafayette	A
Eugene Island	281		Lafayette	AA Wellhead
Garden Banks - Lafayette	216	G14224	Lafayette	
West Delta	73		New Orleans	Unknown
Green Canyon	18		Houma	Unknown
West Delta	73	1083	New Orleans	AD
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	778		New Orleans	Unknown
Green Canyon	869		Houma	
South Marsh Island	72	01204	Lafayette	C
West Delta	73	1083	New Orleans	AD
Mississippi Canyon	778	09868	New Orleans	
South Timbalier	198		Houma	
Green Canyon	645		Houma	
South Pass	24		OSPD-State	A
Mississippi Canyon	777		New Orleans	West Vela 9609407
South Timbalier	37		Houma	Unknown
South Pelto	5	12027	Houma	B
West Cameron	62		Lake Charles	Unknown
Ship Shoal	58	7746	Houma	A
Mississippi Canyon	20		New Orleans	A
Green Canyon	18		Houma	A
Eugene Island	238		Lafayette	E
West Delta	74		New Orleans	Unknown
Green Canyon	18	04940	Houma	A
Grand Isle	33		New Orleans	
South Marsh Island	217		Lafayette	A
West Cameron	273		Lake Charles	Unknown

Mississippi Canyon	20		New Orleans	A
Viosca Knoll	786	12119	New Orleans	Unknown
South Timbalier	90	G01261	Houma	
West Cameron	62		Lake Charles	Wellhead 75A3
Green Canyon	645	G11081	Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Ship Shoal	66	G06736	Houma	
Walker Ridge	551		Houma	Rem Installer
Mississippi Canyon	807		New Orleans	Unknown
Main Pass	301		New Orleans	Unknown
Green Canyon	645	G11081	Houma	
Green Canyon	512	G26315	Houma	Diamond Offshore Blacklion
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	79		New Orleans	ROV XOX18
Mississippi Canyon	773	G19996	New Orleans	
Main Pass	299		New Orleans	FP
Green Canyon	608		Houma	Sea Challenger 9132296
Main Pass	310		New Orleans	A
Main Pass	311		New Orleans	B
West Delta	73	1083	New Orleans	
Mississippi Canyon	778	09868	New Orleans	Thunderhorse
Green Canyon	596		Houma	Unknown
South Timbalier	37	2625	Houma	J
Mississippi Canyon	20		New Orleans	A
Ship Shoal	170	0820	Houma	Unknown
Ship Shoal	170	33644	Houma	
South Pelto	23		Houma	Aries Ram 18 Barge
St. Petersburg			New Orleans	Ruby D 577937
Main Pass	42	0375	New Orleans	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	778	09868	New Orleans	
Main Pass	299		New Orleans	Unknown
Eugene Island	252	0983	Lafayette	I
Mississippi Canyon	127		New Orleans	UHV3010
Main Pass	299	12362	New Orleans	FP
Main Pass	311	2213	New Orleans	A
South Pelto	23		Houma	D
South Pass	28	0694	New Orleans	
Mississippi Canyon	809		New Orleans	A
Viosca Knoll	956	6896	New Orleans	
Eugene Island	173		Lafayette	Unknown
South Pass	11	998	OSPD-State	A
Mississippi Canyon	778		New Orleans	Thunderhorse
South Pass	998		OSPD-State	18D
Mississippi Canyon	20		New Orleans	A
Green Canyon	645		Houma	Unknown
West Delta	29	0385	New Orleans	

Alaminos Canyon	815		Lake Jackson	Noble Don Taylor
Mississippi Canyon	20		New Orleans	A
Vermillion	226		Lake Charles	A
Walker Ridge	51	G31938	Houma	Diamond Black Hawk
Vermillion	215	G01140	Lake Charles	
West Delta	30		New Orleans	J
Main Pass	59	G03194	New Orleans	
Mississippi Canyon	650	G23688	New Orleans	
Vermillion	334		Lake Charles	M/V Miss Kerci
Mississippi Canyon	20		New Orleans	A
Bay Marchand	29		Houma	Unknown
Main Pass	41		New Orleans	Unknown
West Delta			New Orleans	Unknown
Mississippi Canyon	807		New Orleans	Unknown
South Timbalier	23		Houma	Unknown
Main Pass	299		New Orleans	Unknown
Main Pass	298	1315	New Orleans	A
Mississippi Canyon	20		New Orleans	A
Main Pass	61	16493	New Orleans	A
Eugene Island	188		Lafayette	
Garden Banks - Lafayette	426	7493	Lafayette	A
High Island	110		Lake Jackson	A
West Delta	63	19839	New Orleans	A
Ship Shoal	28	0346	Houma	D
Garden Banks - Lafayette	426	7493	Lafayette	A
Mississippi Canyon	20		New Orleans	A
Eugene Island	189	00423	Lafayette	
Green Canyon	237		Houma	vessel HP-1
Mississippi Canyon	20		New Orleans	A
Ship Shoal	108	0814	Houma	B
South Pelto	10	2925	Houma	
Main Pass	42	375	New Orleans	
Vermillion	371		Lake Charles	A
Mississippi Canyon	20		New Orleans	A
Viosca Knoll	915		New Orleans	Grant Candies 9481374
Alaminos Canyon	858		Lake Jackson	Carolyn Chouest 1020547/8875384
East Cameron	339		Lake Charles	A
Walker Ridge	51		Houma	Unknown
Dry Tortugas	498		New Orleans	Unknown
Alaminos Canyon	815	19409	Lake Jackson	Noble Don Taylor
Green Canyon	743	15607	Houma	
Green Canyon	645		Houma	Unknown
Keathley Canyon	96		Lake Jackson	Pacific Santa Ana 9499917
Green Canyon	338		Houma	
Mississippi Canyon	807	7963	New Orleans	B
Green Canyon			Houma	Hafnia Phoenix 9461702
South Timbalier	371	G02625	Houma	I

South Marsh Island	128	G02578	Lafayette	
Mississippi Canyon	20		New Orleans	A
West Delta	31	00367	New Orleans	L
West Cameron	170		Lake Charles	Unknown
Green Canyon	199		Houma	
Mississippi Canyon	778		New Orleans	M/V Dove 9205809
Main Pass	288	1665	New Orleans	
Mississippi Canyon	20		New Orleans	A
West Delta	89		New Orleans	Unknown
Green Canyon	596		Houma	Juan C 9670365
South Timbalier			Houma	Unknown
Mississippi Canyon	109		New Orleans	Unknown
South Marsh Island	93		Lafayette	Unknown
Main Pass	42		New Orleans	Unknown
South Marsh Island	93		Lafayette	
Grand Isle	37		New Orleans	
South Timbalier	280		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
South Timbalier	280		Houma	Unknown
East Cameron	334	02062	Lake Jackson	E
Garden Banks - Lafayette	128	11455	Lafayette	A
Garden Banks - Lake Jackson	668	17407	Lake Jackson	
Green Canyon	18		Houma	Unknown
Garden Banks - Lake Jackson	669		Lake Jackson	Unknown
Green Canyon	199		Houma	
Mississippi Canyon	475		New Orleans	Noble Globe Trotter 1 #9540845
Viosca Knoll	786		New Orleans	Soloman
Mississippi Canyon	675		New Orleans	Laney Choust
Walker Ridge	249		Houma	Pao de Acucar
Main Pass	288	G01665	New Orleans	A
Mississippi Canyon	724		New Orleans	Unknown
Viosca Knoll	915		New Orleans	Unknown
Ship Shoal	233		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	778		New Orleans	Thunderhorse
Main Pass	59		New Orleans	Unknown
East Cameron	381	G15161	Lake Charles	A
Grand Isle	22	00031	New Orleans	L
South Timbalier	300	G04240	Houma	
Green Canyon	205		Houma	Unknown
High Island	153		Lake Jackson	M/V Maine Trader
High Island	385	G10311	Lake Jackson	D
Mississippi Canyon	778	G09868	New Orleans	
Mississippi Canyon	777		New Orleans	ROV XLX59
Bay Marchand	3	00370	Houma	
Mississippi Canyon	650	G23688	New Orleans	A
Brazos	133	G02665	Lake Jackson	B

Green Canyon	782	15610	Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Viosca Knoll	915		New Orleans	Unknown
Green Canyon	512		Houma	Unknown
Garden Banks - Lafayette	215	09216	Lafayette	Pual Romano rig
Alaminos Canyon	815		Lake Jackson	Noble Don Taylor rig 9618915
Vermillion	279	11881	Lake Charles	
Atwater	332		New Orleans	Norwegian Dawn 9195169
Viosca Knoll	915		New Orleans	Unknown
West Delta	73	1083	New Orleans	
Keathley Canyon	96		Lake Jackson	Pacific Santa Anna
Vermillion	331		Lake Charles	A
Garden Banks - Lafayette	172	14221	Lafayette	B
Vermillion	331	2572	Lake Charles	A
Mississippi Canyon	20		New Orleans	A
Main Pass	310	4126	New Orleans	Unknown
Ship Shoal	146		Houma	Unknown
Mississippi Canyon	777		New Orleans	
Mississippi Canyon	777		New Orleans	Island Enforcer 9484780
Ship Shoal	182	1019	Houma	J
Ship Shoal	28	0346	Houma	D
Mississippi Canyon	807		New Orleans	B
Ship Shoal	69		Houma	
South Pass	23		New Orleans	Lift Boat Gary Chaisson
West Delta	29		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
South Marsh Island	130	2280	Lafayette	A
Mississippi Canyon	948		New Orleans	HOS Iron Horse
Mississippi Canyon	777		New Orleans	Q5000
High Island			Lake Jackson	Unknown
Mississippi Canyon	474		New Orleans	Unknown
Ship Shoal	209		Houma	M/V Jessica Elizabeth
West Delta	29		New Orleans	
Walker Ridge	758		Houma	ROV
South Timbalier	300	G04240	Houma	
East Cameron	381	G15161	Lake Charles	
Viosca Knoll	786	G12119	New Orleans	
South Timbalier	30		Houma	
Mississippi Canyon	20		New Orleans	A
South Pass	89	G01618	New Orleans	
Mississippi Canyon	650	G23688	New Orleans	A
South Pass	60		New Orleans	Unknown
West Delta	71		New Orleans	
Main Pass	46		New Orleans	
South Timbalier	151		Houma	Midnight Star
South Timbalier	151		Houma	DC Star rig
Vermillion	164		Lake Charles	

Mississippi Canyon	20		New Orleans	A
South Pass	89	G01618	New Orleans	B
Ewing Bank	834		New Orleans	Ocean Patriot 1129810
High Island	571		Lake Jackson	
Viosca Knoll	1003		New Orleans	vessel Q4000
Mississippi Canyon	20		New Orleans	A
South Timbalier	630	00456	Houma	D-AUX 2
Garden Banks - Lake Charles	426	7493	Lake Charles	
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	20		New Orleans	A
West Delta	80	1874	New Orleans	D
Grand Isle	76		New Orleans	
Mississippi Canyon	280		New Orleans	Unknown
Ship Shoal	207	1523	Houma	A
Mississippi Canyon	20		New Orleans	A
Green Canyon	654		Houma	Deep Water Invictus
Mississippi Canyon	776		New Orleans	Island Enforcer 9484780
Ship Shoal	207		Houma	Unknown
Ship Shoal	207	G01523	Houma	
High Island	379		Lake Jackson	D
Ship Shoal	198		Houma	Unknown
West Cameron	269		Lake Charles	
Mississippi Canyon	20		New Orleans	A
Walker Ridge	249		Lake Jackson	M/V Norman Clipper
Viosca Knoll	915	G53598	New Orleans	
Ship Shoal	207	G01523	Houma	A
Mississippi Canyon	430		New Orleans	Unknown
Main Pass	72		New Orleans	Unknown
Vermillion			Lake Charles	
Garden Banks - Lafayette	128	G11455	Lafayette	A
Green Canyon	608		Houma	M/V Intervention
Main Pass	311	G02213	New Orleans	
Green Canyon	158		Houma	A
Mississippi Canyon	20		New Orleans	A
Main Pass	299	G12362	New Orleans	Unknown
Keathley Canyon	917		Lafayette	Noble Bod Douglas
Green Canyon	237		Houma	Unknown
Ship Shoal	219	0829	Houma	
West Cameron	565	02015	Lake Jackson	A
South Timbalier	300	4240	Houma	
Mississippi Canyon	777		New Orleans	Q5000
Garden Banks - Lafayette	215		Lafayette	Noble Paul Romano 11836
Ship Shoal	45		Houma	
Garden Banks - Lafayette	128	11455	Lafayette	A
South Timbalier	37		Houma	J
Eugene Island	53		Lafayette	Unknown
South Timbalier			Houma	Unknown

South Timbalier			OSPD-State	Unknown
Ship Shoal			Houma	Unknown
Ship Shoal	69	3577	Houma	A
Green Canyon			Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Main Pass	72		New Orleans	A
Walker Ridge			Lake Jackson	Deepwater Phalassa
Garden Banks - Lafayette	215		Lafayette	Unknown
Ship Shoal	307	1523	Houma	
Garden Banks - Lafayette			Lafayette	Unknown
Mississippi Canyon	673		New Orleans	Unknown
West Cameron			Lake Charles	vessel Mr. K
South Pelto	22		Houma	B
Green Canyon	248	15565	Houma	
Mississippi Canyon	431		New Orleans	Unknown
Ship Shoal	33		Houma	Unknown
South Pelto	10		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
West Delta	45		New Orleans	vessel CM15
Eugene Island	24		Lafayette	
Mississippi Canyon	392		New Orleans	Hos Captain 1244589/9647590
Eugene Island	23		Lafayette	Unknown
High Island	531	02696	Lake Jackson	Unknown
Ship Shoal	224		Houma	A
South Pelto	10		Houma	Unknown
Grand Isle	33		New Orleans	A
Ship Shoal	224		Houma	Unknown
Ship Shoal	224		Houma	A
Mississippi Canyon	764		New Orleans	Noble Bull 1 rig 14932
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon			New Orleans	Unknown
Ship Shoal	33		Houma	Unknown
Mississippi Canyon	243		New Orleans	Unknown
Walker Ridge	758		Houma	North Ocean 102
Mississippi Canyon	197		New Orleans	Unknown
Green Canyon	903		Houma	Ocean Black Hornet
Ewing Bank	910	13079	Houma	
West Delta	29	0385	New Orleans	C
Walker Ridge	758		Houma	Unknown
Green Canyon	18		Houma	A
Grand Isle	37	0392	New Orleans	
Viosca Knoll	859		New Orleans	Unknown
South Pelto	23		Houma	D
Garden Banks - Lafayette	128		Lafayette	Unknown
Breton Sound	51		New Orleans	
Mississippi Canyon	243		New Orleans	Unknown
Walker Ridge	758		Houma	North Ocean 102

Ship Shoal	219	0829	Houma	
Mobile			OSPD-State	
Mississippi Canyon	20		New Orleans	A
Keathley Canyon	919	21447	Lafayette	Noble Bob Douglas
High Island	537	02698	Lake Jackson	A
South Timbalier			OSPD-State	Unknown
Mississippi Canyon	20		New Orleans	A
South Pass	60		New Orleans	Unknown
Walker Ridge	758		Houma	North Ocean 102
Keathley Canyon	919	21447	Lafayette	Inspiration 1053961
Atwater	37	21826	New Orleans	Rowen Resolute 9630078
Mississippi Canyon	770		New Orleans	M/V Dove
West Delta	80	G01874	New Orleans	D
Keathley Canyon	919		Lafayette	Noble Bob Douglas
Mississippi Canyon	20		New Orleans	A
South Pelto	10		Houma	Unknown
Eugene Island	327		Lafayette	Unknown
South Pass	89		New Orleans	Unknown
Alaminos Canyon	857		Lake Jackson	
Green Canyon	608		Houma	Unknown
Viosca Knoll	817		New Orleans	Cheramie Botruc 22
Main Pass	152		New Orleans	Unknown
Mississippi Canyon	474		New Orleans	Unknown
Mississippi Canyon	782	33757	New Orleans	
Ship Shoal			Houma	
South Pass	11		OSPD-State	
Green Canyon	512		Houma	vessel Robin
Mississippi Canyon			New Orleans	Unknown
Vermillion			Lake Charles	Unknown
Main Pass	59		New Orleans	A
Main Pass	69		New Orleans	
Eugene Island	158	1220	Lafayette	
Alaminos Canyon	165		Lake Jackson	Unknown
Main Pass	299		New Orleans	Unknown
Vermillion	256		Lake Charles	Unknown
Mississippi Canyon	109		New Orleans	Unknown
West Cameron	170		Lake Jackson	A
Eugene Island	214		Lafayette	Unknown
Mississippi Canyon	20		New Orleans	A
Green Canyon	18		Houma	A
Viosca Knoll	871		New Orleans	Marlin rig
West Delta	90		New Orleans	A
Ewing Bank	878		Lake Jackson	wellhead
South Marsh Island	79		Lafayette	E
Main Pass	69		New Orleans	G
Vermillion			Lake Charles	
West Cameron	485		Lake Jackson	Unknown

East Cameron			Lake Charles	Unknown
Vermillion	265		Lake Charles	
Mississippi Canyon	305		New Orleans	M/V Siem Spearfish IMO-9676280
Main Pass	60		New Orleans	Unknown
South Pass	28		New Orleans	Unknown
Main Pass	42		New Orleans	D
Garden Banks - Lafayette	215	09216	Lafayette	
Garden Banks - Lafayette	128		Lafayette	Unknown
Main Pass	138		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
West Delta	79		New Orleans	Unknown
Ship Shoal			Houma	
High Island	264	G15805	Lake Jackson	
Main Pass	59	G07827	New Orleans	A
Matagorda Island	623	G03088	Lake Jackson	B
Walker Ridge	718	G32703	Houma	
Ship Shoal	182		Houma	Unknown
Green Canyon	561		Houma	M/V Kirt Chouest
Ewing Bank	305	G04254	Houma	A
West Cameron	64		Lake Charles	Unknown
Ship Shoal	216		Houma	C
Vermillion	315		Lake Charles	Unknown
High Island	573		Lake Jackson	Unknown
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	28		Lafayette	Unknown
West Delta	31	00016	New Orleans	E
Garden Banks - Lafayette	216	G9216	Lafayette	
Walker Ridge	51		Houma	Unknown
West Delta	79		New Orleans	Unknown
Eugene Island	371		Lafayette	
Main Pass	64	G04909	New Orleans	A
South Pass	89		New Orleans	Unknown
Mississippi Canyon	392		New Orleans	Deepwater Proteus
Green Canyon	743		Houma	UHD84
Eugene Island	258		Lafayette	Unknown
Ship Shoal	91		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
West Cameron	487	G27030	Lake Charles	
Main Pass	73		New Orleans	Unknown
West Delta	122	G13645	New Orleans	A
West Cameron	180		Lake Charles	M/V Black Diver III
Eugene Island	257		Lafayette	Unknown
Grand Isle	70		New Orleans	Discoverer India
South Pelto	23		Houma	Unknown
Mississippi Canyon	809		New Orleans	
South Pelto	23	G01236	Houma	D
Green Canyon	205		Houma	Unknown

Mississippi Canyon	807	G07963	New Orleans	B
South Timbalier	300		Houma	A
Vermillion	214	G02076	Lake Charles	C
South Timbalier	130		Houma	Unknown
Green Canyon	743		Houma	C-Installer
Grand Isle	22	00031	New Orleans	
South Timbalier	131	00457	Houma	
Mississippi Canyon	20		New Orleans	A
East Cameron	381	G26664	Lake Charles	A
Key West			New Orleans	Unknown
Dry Tortugas	455		New Orleans	Unknown
Green Canyon	205		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Ship Shoal	199		Houma	Unknown
Main Pass	131		New Orleans	Unknown
South Pass	49		New Orleans	
Green Canyon	205		Houma	Unknown
Green Canyon	512		Houma	Unknown
Mississippi Canyon	726		New Orleans	Stena Forth
Viosca Knoll	251	G10930	New Orleans	A
Ship Shoal	208	G01228	Houma	H
Brazos	538		Lake Jackson	Unknown
Lloyd	21		New Orleans	Rowan resolute
Mississippi Canyon	20		New Orleans	A
Main Pass	69	00327	New Orleans	B
Mobile			New Orleans	Unknown
Eugene Island	338		Lafayette	K
Main Pass	73	G02947	New Orleans	Unknown
Green Canyon	860		Houma	Unknown
Grand Isle	33	G04002	New Orleans	
Mississippi Canyon	20		New Orleans	A
West Delta	105	0842	New Orleans	
South Marsh Island	130		Lafayette	B & D
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	809		New Orleans	A
Main Pass	77	4481	New Orleans	
Mississippi Canyon	724		New Orleans	Unknown
Viosca Knoll	956	6896	New Orleans	A
Main Pass			New Orleans	Unknown
South Pass	62		New Orleans	Unknown
East Cameron	264		Lake Charles	Unknown
Viosca Knoll	900		New Orleans	Unknown
Ship Shoal	216	1524	Houma	C
Walker Ridge	51		Houma	Unknown
Breton Sound	32		OSPD-State	
West Delta	105		New Orleans	
East Cameron	321	2061	Lake Charles	A

Mississippi Canyon	20		New Orleans	A
Ship Shoal	207		Houma	Unknown
Main Pass	69		New Orleans	A
Green Canyon	205	51318	Houma	A
West Delta	109	2937	New Orleans	A
High Island	343	14196	Lake Jackson	A
West Delta	29		New Orleans	D
Mississippi Canyon	764		New Orleans	Unknown
Garden Banks - Lafayette	998		Lafayette	Santa Ana 9499917
South Timbalier	206	5613	Houma	A
Eugene Island	185		Lafayette	Unknown
Ship Shoal	215	1230	Houma	
Eugene Island	341	2914	Lafayette	
Ship Shoal	69		Houma	Unknown
South Timbalier	36		Houma	Unknown
South Marsh Island	288	2316	Lafayette	Unknown
Galveston			OSPD-State	Unknown
West Delta	80	1874	New Orleans	D
Green Canyon	987		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Walker Ridge	584		Houma	M/V Fast Carrier 1236957
Eugene Island	341	2914	Lafayette	A
Alaminos Canyon	201		Lake Jackson	Unknown
Green Canyon	205		Houma	A
Ship Shoal	147		Houma	Unknown
Mississippi Canyon	20		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Main Pass	72		New Orleans	Unknown
Green Canyon	236		Houma	Unknown
Walker Ridge	718	G32703	Houma	Jack St. Milo
Garden Banks - Lafayette	998		Lafayette	Rig
Viosca Knoll	900		New Orleans	Unknown
Green Canyon	205	051318	Houma	A
Mississippi Canyon	20		New Orleans	A
High Island	582		Lake Jackson	C
Green Canyon	680		Houma	Unknown
South Pass	11		New Orleans	
Mississippi Canyon	822		New Orleans	Development Driller III
Eugene Island	182		Lafayette	Unknown
Green Canyon	52	25884	Houma	
Sabine Pass (Texas)			OSPD-State	vessel Captain Kevin
Main Pass	299		New Orleans	FP
Mississippi Canyon			New Orleans	Unknown
Main Pass	58	0378	New Orleans	
Mississippi Canyon	778		New Orleans	
Main Pass	133		New Orleans	Unknown
Green Canyon	782	15610	Houma	Mad Dog

Vermillion	315	4215	Lake Charles	Unknown
Mississippi Canyon	20		New Orleans	A
Green Canyon	640	20082	Houma	Unknown
Viosca Knoll	786	12119	New Orleans	A-Petronius
Mississippi Canyon	822		New Orleans	Development Driller 3 #1733
Main Pass	69		New Orleans	segment 14809
West Delta	105		New Orleans	Unknown
Alaminos Canyon			Lake Jackson	Unknown
Main Pass	77		New Orleans	A
Mustang Island			OSPD-State	
West Delta	84		New Orleans	
West Delta	30	00026	New Orleans	P
Ewing Bank	305	23199	Houma	A
Viosca Knoll	817	G09743	New Orleans	
Mississippi Canyon	20		New Orleans	A
West Cameron	480		Lake Charles	
Grand Isle	59		New Orleans	Loop marine terminal
West Cameron	101		Lake Charles	Unknown
Garden Banks - Lafayette	128		Lafayette	A- Enchilada
Ewing Bank	834	27982	New Orleans	A
Viosca Knoll	956		New Orleans	F/V Bite Me
East Cameron	14		Lake Charles	Pipeline segment 17692
Vermillion	342	G33608	Lake Charles	A
Galveston	304		Lake Jackson	
Green Canyon	806		Houma	Unknown
Mississippi Canyon	778		New Orleans	Q5000
Garden Banks - Lafayette	128	G11455	Lafayette	A- Enchilada
Garden Banks - Lafayette	72		Lafayette	M/V Cheramie Botruc
Mississippi Canyon	20		New Orleans	A
Green Canyon	237	G15563	Houma	Helix Producer 1
Green Canyon	640		Houma	Discoverer Inspiration
Mississippi Canyon	778		New Orleans	ROV UHD310
Garden Banks - Lafayette	189	G06358	Lafayette	A
Main Pass	260		New Orleans	
South Pass	70		New Orleans	Unknown
Main Pass	137		New Orleans	
Vermillion	311		Lake Charles	Unknown
Mississippi Canyon	20		New Orleans	A
Viosca Knoll	915		New Orleans	Unknown
West Delta	75		New Orleans	Unknown
Mississippi Canyon	109		New Orleans	Unknown
Grand Isle	115		New Orleans	
Main Pass	109		New Orleans	A
Ewing Bank	834		New Orleans	A
South Timbalier	34		Houma	C
South Pass	70		New Orleans	C
South Pelto	22		Houma	B

Green Canyon	205	05911	Houma	A
Main Pass	118		New Orleans	Unknown
Eugene Island	341		Lafayette	
Mississippi Canyon	650	23688	New Orleans	A- Blind Faith
South Pass	49		New Orleans	
West Delta	31	0016	New Orleans	E
Mississippi Canyon	20		New Orleans	A
Green Canyon	859	24194	Houma	
Walker Ridge	718		Houma	
Ewing Bank	305		New Orleans	A
South Timbalier	299		Houma	A
Viosca Knoll	915		New Orleans	A
Matagorda Island			Lake Jackson	wellhead
Ship Shoal	214		Houma	Dustin Danos 8964458
South Timbalier	34		Houma	A
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	783		Lafayette	A
Matagorda Island	669	04065	Lake Jackson	A
South Marsh Island	223		Lafayette	
Mississippi Canyon	20		New Orleans	A
South Pass	65	G01610	New Orleans	A
East Cameron	2	16475	Lake Charles	5
Mississippi Canyon	650	G23688	New Orleans	A
Main Pass	311	G02213	New Orleans	A
West Delta	95		New Orleans	
South Marsh Island	130	G02280	Lafayette	C
Garden Banks - Lafayette	244		Lafayette	Unknown
Garden Banks - Lafayette	515		Lafayette	Unknown
Garden Banks - Lafayette	244		Lafayette	subsea deep water well head
Main Pass	140		New Orleans	Unknown
Mississippi Canyon	724	G21776	New Orleans	GS1
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	783	G11573	Lafayette	A
Bay Marchand	3		Houma	Unknown
South Timbalier	53	G04000	Houma	A
Main Pass	142		New Orleans	Unknown
Walker Ridge	51		New Orleans	Unknown
West Delta	73	G01083	New Orleans	A
Vermillion	376	G01442	Lake Charles	
West Delta	109		New Orleans	Unknown
Mississippi Canyon	109		New Orleans	Unknown
Main Pass	296		New Orleans	Unknown
Ship Shoal	28		Houma	A
Ship Shoal	208		Houma	Unknown
Mississippi Canyon	192		New Orleans	Unknown
High Island	408		Lake Jackson	Unknown
South Marsh Island	130		Lafayette	C

Grand Isle	59		New Orleans	LOOP
Eugene Island	314		Lafayette	
West Delta	109		New Orleans	Unknown
Vermillion	329		Lake Charles	A
Mississippi Canyon	777		New Orleans	vessel Q5000
Mississippi Canyon	20		New Orleans	A
West Delta	73	1083	New Orleans	A
South Marsh Island	205		Lafayette	A
South Pass	28	0353	New Orleans	T
Mobile	112		OSPD-State	B
Ship Shoal	66	10830	New Orleans	A
Ship Shoal	206		Houma	Unknown
Ewing Bank	834		New Orleans	Capt Peyton P 1224730
Ship Shoal		2925	Houma	A
Green Canyon	608		Houma	Unknown
Mobile	859		New Orleans	Unknown
Breton Sound	31		New Orleans	Unknown
South Timbalier	34	4842	Houma	A
Main Pass	108	4832	New Orleans	A
Garden Banks - Lafayette	426	7493	Lafayette	A
South Marsh Island			Lafayette	Unknown
Green Canyon	608		Houma	Unknown
Garden Banks - Lafayette	128	11455	Lafayette	A
South Marsh Island	130	2280	Lafayette	D
Ship Shoal	209	0827	Houma	A
Mississippi Canyon	20		New Orleans	A
Ship Shoal	300		Houma	B
West Delta	109		New Orleans	
Garden Banks - Lafayette	244		Lafayette	
West Delta	33		New Orleans	Unknown
Mississippi Canyon	812		New Orleans	Noble Don taylor
West Delta			New Orleans	Unknown
Green Canyon	859		Houma	Noble Bob Douglas
Garden Banks - Lafayette	215		Lafayette	Noble Paul Romano
West Cameron	167		Lake Jackson	
Grand Isle	92		New Orleans	Unknown
West Delta	109	2937	New Orleans	A
Grand Isle	61		New Orleans	Renaissance
West Delta	32		New Orleans	S
Green Canyon	903		Houma	Ocean Blackhornet IMO-9618903
Eugene Island	341	02914	Lafayette	A
Vermillion	279	G01181	Lake Charles	A
East Breaks	160	G02467	Lake Jackson	A
Viosca Knoll	915		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Green Canyon	205	G05911	Lafayette	A
Walker Ridge	51		Houma	Unknown

Mississippi Canyon	343		New Orleans	M/V Seven Pacific
Vermillion	279	G11881	Lake Charles	A
Bay Marchand	3		Houma	
Main Pass	42		New Orleans	
Mississippi Canyon	20		New Orleans	A
South Timbalier	23	00386	Houma	S
Mississippi Canyon	496	G14005	New Orleans	
High Island	341		Lake Jackson	Unknown
West Cameron	426	G22553	Lake Charles	
Mississippi Canyon	20		New Orleans	A
Green Canyon	727		Houma	
Florida Plain			New Orleans	
Green Canyon	726		Houma	
Green Canyon	770		Houma	
Vermillion	398		Lake Charles	
Green Canyon	726		Houma	well 2
Mississippi Canyon	777	9868	New Orleans	rig Q 5000
Mississippi Canyon	20		New Orleans	A
South Timbalier	34		Houma	Unknown
South Marsh Island	76	4460	Lafayette	D
Mississippi Canyon	20		New Orleans	A
Green Canyon	113		Houma	unknown
South Timbalier	151	00463	Houma	
Ship Shoal	214		Houma	Unknown
Mississippi Canyon	778		New Orleans	Helix Q5000
Ship Shoal	183		Houma	I
Viosca Knoll	989		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	724		New Orleans	Hos Mystique 9472323
Ship Shoal	154	00420	Houma	
South Timbalier	51	1240	Houma	
Main Pass	311		New Orleans	Unknown
South Timbalier	130		Houma	Unknown
Mississippi Canyon	292		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Ship Shoal	58		Houma	Unknown
Green Canyon	158		Houma	Unknown
High Island	24		Lake Jackson	L
Main Pass	153	1967	New Orleans	C
Ewing Bank	834		New Orleans	A
Grand Isle	116		New Orleans	Unknown
Ship Shoal	166		Houma	Unknown
Main Pass	99		New Orleans	Unknown
Grand Isle	22		New Orleans	
Grand Isle	70		New Orleans	Discoverer India 3297
High Island	24		Lake Jackson	Unknown
High Island	341		Lake Jackson	A

East Cameron	81		Lake Charles	Unknown
Alaminos Canyon	50		New Orleans	Unknown
Mustang Island			OSPD-State	Unknown
Mississippi Canyon	778	G09868	New Orleans	
Mississippi Canyon	20		New Orleans	A
Ewing Bank	305		Houma	A
West Delta	29	00385	New Orleans	
Mississippi Canyon	383		New Orleans	Siem Stingray
South Pass	93		New Orleans	Unknown
Mississippi Canyon	323		New Orleans	Unknown
South Pass	89		New Orleans	Unknown
West Cameron	565		Lake Charles	Unknown
West Cameron	173		Lake Charles	M/V Kelly Morrison
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon	215		New Orleans	M/V Boa SudbC
West Delta	73		New Orleans	A
Grand Isle	116		New Orleans	A
West Delta	710	0836	New Orleans	O
Mississippi Canyon	383		New Orleans	ROV XLX114
Mississippi Canyon	20		New Orleans	A
Garden Banks - Lafayette	998		Lafayette	Unknown
Green Canyon	640		Houma	Unknown
Main Pass	67		New Orleans	
Main Pass	69		New Orleans	D
Viosca Knoll	915		New Orleans	A
Mississippi Canyon	778		New Orleans	Q5000 IMO8772104
Mississippi Canyon	474		New Orleans	Grant Candies IMO-9481374
West Delta	61		New Orleans	C
Mississippi Canyon	109		New Orleans	
Mississippi Canyon	20		New Orleans	A
Main Pass	298		New Orleans	Unknown
Green Canyon	782		Houma	Fast Goliath 9579951
Walker Ridge			Houma	ROV 1
Main Pass	73		New Orleans	A
Green Canyon	19		Houma	
West Delta	31		New Orleans	Unknown
Ship Shoal	176		Houma	Unknown
Mississippi Canyon	20		New Orleans	A
Eugene Island	212		Lafayette	Unknown
Green Canyon	640		Houma	Discoverer Inspiration 9409936
South Pass	28		New Orleans	
High Island			Lake Jackson	Unknown
Mississippi Canyon	650		New Orleans	Deep Blue 9215359
Mississippi Canyon	383		New Orleans	CM Stingray IMO-9676292
Mississippi Canyon	778		New Orleans	Unknown
Main Pass	310	4126	New Orleans	A
East Cameron	285		Lake Charles	

Green Canyon	338	21790	Houma	
Mississippi Canyon	474		New Orleans	ROV XLX59
Mississippi Canyon	474	G23624	New Orleans	
Mississippi Canyon	20		New Orleans	A
West Delta	31	00016	New Orleans	E
South Pass	60		New Orleans	Unknown
Mississippi Canyon	724	G24101	New Orleans	GS-1
Viosca Knoll	915	G06894	New Orleans	A
Ship Shoal	214	00828	Houma	L
Main Pass	310	G04126	New Orleans	A
Green Canyon	608		Houma	Ocean Intervention
Grand Isle	37	00392	New Orleans	CS
South Pass			New Orleans	Unknown
Grand Isle	33	G04002	New Orleans	A
Mississippi Canyon	476		New Orleans	Unknown
West Delta	70	G01083	New Orleans	A
Main Pass	310	G04126	New Orleans	A
Mississippi Canyon	357		New Orleans	Unknown
Grand Isle	22		New Orleans	Unknown
West Delta	152	G01604	New Orleans	
Mississippi Canyon	20		New Orleans	Unknown
Viosca Knoll	956	G06896	New Orleans	A
Mississippi Canyon	777		New Orleans	Rig Q5000
Mississippi Canyon	777		New Orleans	Q5000
Mississippi Canyon	215		New Orleans	Olympic Intervention 4
Green Canyon	782	G15610	Houma	Mad Dog
Viosca Knoll	915	6894	New Orleans	Unknown
West Delta	32	00026	New Orleans	ADE
Main Pass			OSPD-State	Unknown
Ship Shoal	243	10780	Houma	A
Ship Shoal	27		Houma	pipeline segment 9827
Mississippi Canyon	20		New Orleans	A
Galveston	343		Lake Jackson	A
Grand Isle	91		New Orleans	West Auriga
Main Pass	311	2213	New Orleans	A
Green Canyon	608		Houma	
Garden Banks - Lafayette	426	7493	Lafayette	A
Green Canyon	645	11080	Houma	
East Cameron	61		Lake Charles	A-B
Main Pass	144	1634	New Orleans	A
Green Canyon	807		Houma	Pacific Sharov 923336
Main Pass	289		New Orleans	Unknown
Garden Banks - Lake Charles	409		Lake Charles	Dove ROV
Garden Banks - Lake Charles	409		Lake Charles	Dove
Main Pass	138		New Orleans	Unknown
Mississippi Canyon	20		New Orleans	A
Mississippi Canyon			New Orleans	

East Cameron	81		Lake Jackson	Well 84
South Pass	60		New Orleans	Unknown
Main Pass	311	2213	New Orleans	
Grand Isle	22		New Orleans	L
Mississippi Canyon	521		New Orleans	Deep Blue 9215359
Mississippi Canyon	383		New Orleans	Siem Stingray IMO-9676292
Grand Isle			New Orleans	Unknown
West Delta	80	1874	New Orleans	D
Green Canyon	743		Houma	West Auriga 9609392
West Delta	32		New Orleans	Unknown
West Cameron	198	G03265	Lake Charles	A
West Delta	31		New Orleans	
Walker Ridge	677		Houma	
Mississippi Canyon	20		New Orleans	A
Grand Isle	59		New Orleans	LOOP
Mississippi Canyon	496	G14005	New Orleans	
Green Canyon	562		Houma	Ocean Black Hornet
Mississippi Canyon	807	G07963	New Orleans	B
Walker Ridge	677		Houma	
Mississippi Canyon	20		New Orleans	Taylor
Ship Shoal	202		Houma	Unknown
South Timbalier	301		Houma	
West Delta	24		New Orleans	
South Timbalier	151		Houma	Unknown
South Pelto	6	G09651	Houma	
Galveston	424C		Lake Jackson	Wellhead
South Pelto	6		Houma	M/V Trinity
Eugene Island	330		Lafayette	Unknown
Galveston	343		Lake Jackson	A
Green Canyon			Houma	Unknown
Mississippi Canyon	474		New Orleans	Skandi Achiever
South Pass	28	00694	New Orleans	V
Ship Shoal	300	G07760	Houma	B
Green Canyon	726		Houma	Unknown
Main Pass	77	G04481	New Orleans	A
Ship Shoal	207		Houma	Unknown
South Timbalier	301		Houma	
Vermillion	138		Lake Charles	Unknown
Eugene Island	252		Lafayette	Unknown
Garden Banks - Lafayette	998		Lafayette	rig Santa Ana
Mississippi Canyon	20		New Orleans	A
Green Canyon	782		Houma	Unknown
Green Canyon	645		Houma	M/V Island Enforcer
South Timbalier	67		Houma	
Mississippi Canyon	20		New Orleans	A

LAT_DEG	LAT_MIN	LAT_SEC	LATITUDE	LONG_DEG	LONG_MIN	LONG_SEC	LONGITUDE
28	28	38	28.47722	91	17	11	-91.28639
28	56	10	28.93611	88	58	8	-88.96889
28	0	36	28.01	89	2	36	-89.04333
58	26	10	58.43611	88	58	8	-88.96889
29	18	44	29.31222	91	32	8	-91.53556
28	56	10	28.93611	88	58	8	-88.96889
28	12	54	28.215	88	33	30	-88.55833
26	55	57	26.9325	90	31	15	-90.52083
28	56	24	28.94	88	58	8	-88.96889
28	52	2	28.86722	90	29	15	-90.4875
28	11	24	28.19	88	30	0	-88.5
28	54	31	28.90861	90	29	35	-90.49306
28	35	28	28.59111	91	47	46	-91.79611
28	56	10	28.93611	88	58	8	-88.96889
29	33	17	29.55472	89	8	4	-89.13444
28	25	18	28.42167	90	51	58	-90.86611
26	55	59	26.93306	90	31	10	-90.51944
28	39	0	28.65	90	59	0	-90.98333
29	7	21	29.1225	89	40	42	-89.67833
28	56	24	28.94	88	58	8	-88.96889
27	33	41	27.56139	93	48	17	-93.80472
28	45	8	28.75222	91	2	38	-91.04389
29	0	34	29.00944	88	45	2	-88.75056
28	56	10	28.93611	88	58	8	-88.96889
27	11	40	27.19444	90	1	36	-90.02667
29	14	33	29.2425	88	55	37	-88.92694
27	11	40	27.19444	90	1	36	-90.02667
28	56	10	28.93611	88	58	8	-88.96889
28	9	41	28.16139	90	42	58	-90.71611
29	0	24	29.00667	90	9	32	-90.15889
29	7	0	29.11667	89	41	0	-89.68333
27	56	37	27.94361	91	1	45	-91.02917
28	40	23	28.67306	90	9	25	-90.15694
28	56	10	28.93611	88	58	8	-88.96889
28	9	21	28.15583	89	14	12	-89.23667
29	15	49	29.26361	88	46	54	-88.78167
27	32	45	27.54583	92	26	36	-92.44333
28	56	10	28.93611	88	58	8	-88.96889

28	39	17	28.65472	87	59	31	-87.99194
28	23	15	28.3875	96	10	46	-96.17944
28	56	10	28.93611	88	58	8	-88.96889
29	0	31	29.00861	89	50	18	-89.83833
27	11	45	27.19583	90	1	33	-90.02583
28	54	49	28.91361	90	29	13	-90.48694
28	37	5	28.61806	92	4	11	-92.06972
29	20	36	29.34333	88	4	2	-88.06722
28	56	10	28.93611	88	58	8	-88.96889
28	23	13	28.38694	96	10	45	-96.17917
28	38	35	28.64306	89	47	32	-89.79222
27	11	48	27.19667	90	1	36	-90.02667
28	33	45	28.5625	91	37	50	-91.63056
29	53	7	29.88528	89	0	0	-89
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
28	10	39	28.1775	91	43	57	-91.7325
28	54	50	28.91389	90	29	13	-90.48694
26	7	57	26.1325	94	47	57	-94.79917
26	18	43	26.31194	92	38	47	-92.64639
28	56	10	28.93611	88	58	8	-88.96889
28	5	0	28.08333	92	4	0	-92.06667
28	51	36	28.86	88	2	48	-88.04667
28	56	10	28.93611	88	58	8	-88.96889
27	37	29	27.62472	90	26	28	-90.44111
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
28	31	36	28.52667	90	0	36	-90.01
28	34	4	28.56778	91	31	28	-91.52444
29	6	5	29.10139	89	58	41	-89.97806
28	56	10	28.93611	88	58	8	-88.96889
27	19	0	27.31667	90	45	12	-90.75333
28	56	10	28.93611	88	58	8	-88.96889
29	1	34	29.02611	90	50	34	-90.84278
28	56	10	28.93611	88	58	8	-88.96889
26	55	56	26.93222	90	31	11	-90.51972
28	56	10	28.93611	88	58	8	-88.96889
28	11	48	28.19667	88	36	24	-88.60667
29	45	36	29.76	89	50	0	-89.83333
28	56	10	28.93611	88	58	8	-88.96889
27	21	36	27.36	90	10	59	-90.18306
29	6	25	29.10694	88	51	26	-88.85722
29	1	31	29.02528	90	9	39	-90.16083
28	56	10	28.93611	88	58	8	-88.96889
27	53	35	27.89306	94	19	25	-94.32361
27	11	43	27.19528	90	1	41	-90.02806

28	16	2	28.26722	88	23	56	-88.39889
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
27	38	24	27.64	82	58	12	-82.97
29	6	27	29.1075	87	56	37	-87.94361
28	56	10	28.93611	88	58	8	-88.96889
28	51	32	28.85889	88	35	20	-88.58889
28	56	10	28.93611	88	58	8	-88.96889
28	31	0	28.51667	90	1	0	-90.01667
28	34	5	28.56806	91	31	30	-91.525
28	56	10	28.93611	88	58	8	-88.96889
29	14	33	29.2425	88	55	37	-88.92694
27	57	43	27.96194	93	40	15	-93.67083
28	41	48	28.69667	89	23	42	-89.395
28	34	4	28.56778	91	31	28	-91.52444
28	56	10	28.93611	88	58	8	-88.96889
26	56	21	26.93917	94	41	19	-94.68861
28	11	30	28.19167	88	29	42	-88.495
28	56	10	28.93611	88	58	8	-88.96889
27	13	26	27.22389	90	50	11	-90.83639
28	57	0	28.95	88	15	0	-88.25
28	51	30	28.85833	88	2	42	-88.045
28	31	15	28.52083	88	17	20	-88.28889
28	31	15	28.52083	88	17	20	-88.28889
28	3	41	28.06139	91	3	42	-91.06167
28	56	10	28.93611	88	58	8	-88.96889
27	55	5	27.91806	93	48	17	-93.80472
27	55	0	27.91667	89	1	0	-89.01667
28	56	10	28.93611	88	58	8	-88.96889
28	14	8	28.23556	89	5	36	-89.09333
28	31	17	28.52139	88	17	23	-88.28972
27	15	59	27.26639	90	48	30	-90.80833
28	56	10	28.93611	88	58	8	-88.96889
26	54	36	26.91	91	35	24	-91.59
28	12	35	28.20972	88	33	12	-88.55333
28	52	5	28.86806	90	29	44	-90.49556
28	16	13	28.27028	92	15	49	-92.26361
29	15	27	29.2575	88	57	11	-88.95306
27	46	27	27.77417	91	57	53	-91.96472
29	11	15	29.1875	88	41	0	-88.68333
29	20	9	29.33583	88	16	8	-88.26889
28	55	0	28.91667	90	42	0	-90.7
29	17	26	29.29056	88	39	54	-88.665
28	56	10	28.93611	88	58	8	-88.96889

28	28	28	28.47444	91	16	45	-91.27917
28	32	3	28.53417	91	32	42	-91.545
28	51	35	28.85972	91	7	50	-91.13056
28	31	11	28.51972	88	17	19	-88.28861
23	12	40	23.21111	96	49	13	-96.82028
28	56	10	28.93611	88	58	8	-88.96889
28	19	39	28.3275	88	49	35	-88.82639
28	56	10	28.93611	88	58	8	-88.96889
28	17	56	28.29889	92	0	34	-92.00944
28	11	24	28.19	88	29	48	-88.49667
28	3	41	28.06139	91	42	24	-91.70667
27	57	43	27.96194	93	40	15	-93.67083
28	56	10	28.93611	88	58	8	-88.96889
28	9	41	28.16139	90	42	58	-90.71611
28	39	7	28.65194	90	59	30	-90.99167
28	58	32	28.97556	90	50	15	-90.8375
28	58	14	28.97056	89	30	1	-89.50028
29	35	59	29.59972	92	53	59	-92.89972
28	9	21	28.15583	89	14	12	-89.23667
28	10	6	28.16833	89	13	13	-89.22028
28	56	10	28.93611	88	58	8	-88.96889
27	50	25	27.84028	91	59	16	-91.98778
27	2	6	27.035	94	52	33	-94.87583
26	12	28	26.20778	91	26	38	-91.44389
28	11	24	28.19	88	29	48	-88.49667
28	11	26	28.19056	88	29	44	-88.49556
28	56	10	28.93611	88	58	8	-88.96889
29	26	52	29.44778	92	11	34	-92.19278
28	56	47	28.94639	89	42	23	-89.70639
29	4	27	29.07417	90	10	30	-90.175
28	49	59	28.83306	90	49	59	-90.83306
27	13	25	27.22361	90	50	11	-90.83639
28	58	0	28.96667	83	23	0	-83.38333
29	35	39	29.59417	92	54	2	-92.90056
28	3	8	28.05222	90	32	52	-90.54778
28	56	10	28.93611	88	58	8	-88.96889
27	56	37	27.94361	91	1	45	-91.02917
28	15	5	28.25139	88	39	4	-88.65111
27	18	24	27.30667	94	28	36	-94.47667
28	56	10	28.93611	88	58	8	-88.96889
29	14	47	29.24639	88	58	54	-88.98167

28	10	0	28.16667	89	13	0	-89.21667
28	56	10	28.93611	88	58	8	-88.96889
28	58	32	28.97556	90	50	16	-90.83778
27	32	45	27.54583	92	26	36	-92.44333
29	14	37	29.24361	88	58	54	-88.98167
28	56	10	28.93611	88	58	8	-88.96889
29	14	46	29.24611	88	58	54	-88.98167
29	2	45	29.04583	89	16	47	-89.27972
28	7	18	28.12167	92	25	0	-92.41667
28	47	36	28.79333	90	12	9	-90.2025
29	14	46	29.24611	88	58	58	-88.98278
27	11	18	27.18833	90	16	7	-90.26861
28	59	42	28.995	91	52	38	-91.87722
29	15	52	29.26444	88	46	19	-88.77194
29	4	57	29.0825	92	22	13	-92.37028
28	11	0	28.18333	88	36	0	-88.6
29	2	39	29.04417	88	58	1	-88.96694
27	56	37	27.94361	91	1	45	-91.02917
28	56	10	28.93611	88	58	8	-88.96889
28	50	57	28.84917	90	38	26	-90.64056
28	56	10	28.93611	88	58	8	-88.96889
28	11	26	28.19056	88	29	44	-88.49556
28	51	32	28.85889	88	3	35	-88.05972
27	12	13	27.20361	92	12	9	-92.2025
28	56	10	28.93611	88	58	8	-88.96889
28	3	16	28.05444	90	3	2	-90.05056
28	39	57	28.66583	89	59	10	-89.98611
28	0	49	28.01361	94	26	16	-94.43778
28	38	42	28.645	89	33	5	-89.55139
28	50	46	28.84611	90	39	7	-90.65194
28	51	30	28.85833	88	2	36	-88.04333
27	19	45	27.32917	91	23	30	-91.39167
28	56	10	28.93611	88	58	8	-88.96889
27	19	14	27.32056	90	32	6	-90.535
29	15	49	29.26361	88	46	54	-88.78167
28	29	28	28.49111	91	16	22	-91.27278
28	56	10	28.93611	88	58	8	-88.96889
37	56	37	37.94361	91	1	45	-91.02917
29	56	44	29.94556	90	1	51	-90.03083
28	56	10	28.93611	88	58	8	-88.96889
28	28	28	28.47444	91	16	45	-91.27917
27	6	24	27.10667	90	45	0	-90.75
27	13	26	27.22389	90	50	11	-90.83639
28	56	10	28.93611	88	58	8	-88.96889
27	32	45	27.54583	92	26	4	-92.43444

27	21	42	27.36167	90	10	42	-90.17833
28	56	10	28.93611	88	58	8	-88.96889
28	25	18	28.42167	88	5	18	-88.08833
28	55	36	28.92667	88	13	48	-88.23
28	56	10	28.93611	88	58	8	-88.96889
28	3	13	28.05361	90	32	52	-90.54778
28	56	10	28.93611	88	58	8	-88.96889
29	17	38	29.29389	88	51	41	-88.86139
27	27	16	27.45444	90	23	52	-90.39778
28	11	49	28.19694	88	36	25	-88.60694
28	11	49	28.19694	88	36	25	-88.60694
28	51	36	28.86	90	28	35	-90.47639
28	56	14	28.93722	88	54	43	-88.91194
28	18	36	28.31	92	0	33	-92.00917
29	1	1	29.01694	88	51	26	-88.85722
28	56	10	28.93611	88	58	8	-88.96889
29	11	24	29.19	91	37	1	-91.61694
29	15	49	29.26361	88	46	54	-88.78167
28	30	3	28.50083	90	22	50	-90.38056
27	7	17	27.12139	90	23	53	-90.39806
28	39	46	28.66278	88	24	29	-88.40806
28	56	10	28.93611	88	58	8	-88.96889
27	30	0	27.5	90	36	0	-90.6
27	19	16	27.32111	90	32	8	-90.53556
28	58	55	28.98194	90	0	25	-90.00694
28	56	10	28.93611	88	58	8	-88.96889
28	59	33	28.9925	89	15	58	-89.26611
29	11	15	29.1875	88	41	0	-88.68333
27	22	18	27.37167	90	32	30	-90.54167
27	27	17	27.45472	90	23	51	-90.3975
28	56	10	28.93611	88	58	8	-88.96889
28	3	13	28.05361	90	32	52	-90.54778
26	55	16	26.92111	90	31	16	-90.52111
27	0	0	27	90	31	0	-90.51667
28	37	40	28.62778	91	3	56	-91.06556
28	56	10	28.93611	88	58	8	-88.96889
27	52	31	27.87528	91	59	11	-91.98639
28	29	44	28.49556	91	3	1	-91.05028
28	10	44	28.17889	92	47	20	-92.78889
28	56	10	28.93611	88	58	8	-88.96889
28	40	50	28.68056	89	23	16	-89.38778
28	7	56	28.13222	92	0	40	-92.01111
28	56	10	28.93611	88	58	8	-88.96889
29	12	43	29.21194	89	2	55	-89.04861
29	24	3	29.40083	89	2	5	-89.03472
28	56	10	28.93611	88	58	8	-88.96889

29	13	21	29.2225	89	51	15	-89.85417
27	17	32	27.29222	90	58	4	-90.96778
27	22	9	27.36917	90	8	41	-90.14472
28	56	10	28.93611	88	58	8	-88.96889
29	7	12	29.12	89	40	33	-89.67583
26	7	44	26.12889	94	53	52	-94.89778
28	58	1	28.96694	90	20	33	-90.3425
29	51	18	29.855	93	32	42	-93.545
28	9	41	28.16139	90	42	58	-90.71611
27	32	32	27.54222	90	33	32	-90.55889
28	56	10	28.93611	88	58	8	-88.96889
26	49	57	26.8325	96	56	22	-96.93944
28	11	26	28.19056	88	29	44	-88.49556
28	56	10	28.93611	88	58	8	-88.96889
29	35	34	29.59278	93	8	55	-93.14861
30	11	3	30.18417	88	7	3	-88.1175
28	12	29	28.20806	88	44	19	-88.73861
29	6	51	29.11417	88	51	10	-88.85278
28	37	3	28.6175	92	4	11	-92.06972
29	24	3	29.40083	88	36	36	-88.61
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
28	25	48	28.43	91	21	43	-91.36194
28	56	10	28.93611	88	58	8	-88.96889
28	37	3	28.6175	92	4	11	-92.06972
28	56	10	28.93611	88	58	8	-88.96889
26	51	32	26.85889	93	32	42	-93.545
29	3	38	29.06056	88	5	30	-88.09167
26	5	36	26.09333	94	54	18	-94.905
28	56	10	28.93611	88	58	8	-88.96889
29	15	53	29.26472	88	46	20	-88.77222
29	12	3	29.20083	89	2	45	-89.04583
28	34	13	28.57028	91	48	57	-91.81583
28	20	30	28.34167	88	15	57	-88.26583
28	56	10	28.93611	88	58	8	-88.96889
28	39	57	28.66583	89	58	10	-89.96944
27	32	45	27.54583	92	26	36	-92.44333
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
28	7	57	28.1325	93	40	33	-93.67583
29	3	39	29.06083	88	5	9	-88.08583
28	31	59	28.53306	91	29	44	-91.49556
28	56	10	28.93611	88	58	8	-88.96889
29	2	49	29.04694	90	9	45	-90.1625

28	56	10	28.93611	88	58	8	-88.96889
28	16	12	28.27	91	43	51	-91.73083
28	58	32	28.97556	90	50	16	-90.83778
29	15	52	29.26444	88	46	19	-88.77194
28	50	7	28.83528	90	50	35	-90.84306
24	9	0	24.15	85	46	0	-85.76667
28	56	10	28.93611	88	58	8	-88.96889
28	56	44	28.94556	90	1	52	-90.03111
28	56	10	28.93611	88	58	8	-88.96889
26	12	0	26.2	92	52	12	-92.87
27	56	37	27.94361	91	1	45	-91.02917
28	56	10	28.93611	88	58	8	-88.96889
29	11	30	29.19167	89	33	58	-89.56611
28	56	10	28.93611	88	58	8	-88.96889
29	0	43	29.01194	89	33	42	-89.56167
28	16	23	28.27306	91	51	57	-91.86583
26	23	18	26.38833	91	21	48	-91.36333
28	9	21	28.15583	89	14	12	-89.23667
29	10	54	29.18167	89	32	1	-89.53361
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
28	10	52	28.18111	89	17	8	-89.28556
28	56	10	28.93611	88	58	8	-88.96889
27	56	37	27.94361	91	1	45	-91.02917
26	5	36	26.09333	94	54	17	-94.90472
28	40	15	28.67083	92	1	49	-92.03028
26	23	6	26.385	91	21	54	-91.365
26	7	42	26.12833	94	53	54	-94.89833
28	31	42	28.52833	90	58	41	-90.97806
28	4	27	28.07417	92	41	57	-92.69917
27	48	46	27.81278	90	31	8	-90.51889
26	55	59	26.93306	90	31	10	-90.51944
28	56	10	28.93611	88	58	8	-88.96889
27	57	43	27.96194	93	40	15	-93.67083
28	56	10	28.93611	88	58	8	-88.96889
29	15	49	29.26361	88	46	54	-88.78167
29	11	11	29.18639	94	23	49	-94.39694
27	56	37	27.94361	91	1	45	-91.02917
29	6	58	29.11611	89	37	9	-89.61917
28	31	43	28.52861	90	52	16	-90.87111

29	11	15	29.1875	88	41	0	-88.68333
29	7	44	29.12889	89	41	45	-89.69583
27	32	45	27.54583	92	26	36	-92.44333
27	57	30	27.95833	93	23	11	-93.38639
28	56	10	28.93611	88	58	8	-88.96889
28	2	5	28.03472	91	1	49	-91.03028
27	18	23	27.30639	94	28	10	-94.46944
27	13	26	27.22389	90	50	11	-90.83639
27	20	0	27.33333	90	36	0	-90.6
28	56	10	28.93611	88	58	8	-88.96889
29	7	22	29.12278	89	57	58	-89.96611
26	56	5	26.93472	90	31	24	-90.52333
28	26	47	28.44639	90	18	29	-90.30806
28	25	18	28.42167	88	5	18	-88.08833
28	56	10	28.93611	88	58	8	-88.96889
28	39	57	28.66583	89	59	10	-89.98611
28	52	2	28.86722	90	29	15	-90.4875
28	17	15	28.2875	90	19	51	-90.33083
26	56	0	26.93333	90	39	1	-90.65028
28	25	32	28.42556	90	50	16	-90.83778
28	56	10	28.93611	88	58	8	-88.96889
28	51	14	28.85389	90	41	12	-90.68667
29	0	2	29.00056	89	51	32	-89.85889
28	11	28	28.19111	88	29	46	-88.49611
26	5	36	26.09333	94	54	18	-94.905
26	23	0	26.38333	91	21	54	-91.365
28	56	10	28.93611	88	58	8	-88.96889
28	3	13	28.05361	90	32	52	-90.54778
28	56	10	28.93611	88	58	8	-88.96889
27	8	46	27.14611	90	19	10	-90.31944
26	51	54	26.865	93	15	48	-93.26333
28	2	2	28.03389	89	6	4	-89.10111
28	51	42	28.86167	88	2	48	-88.04667
29	1	13	29.02028	90	10	14	-90.17056
28	12	30	28.20833	88	31	0	-88.51667
29	15	53	29.26472	88	46	20	-88.77222
27	19	16	27.32111	90	32	8	-90.53556
20	3	13	20.05361	90	32	52	-90.54778
28	23	0	28.38333	91	35	34	-91.59278
29	15	53	29.26472	88	46	20	-88.77222
28	34	39	28.5775	91	15	21	-91.25583

28	56	10	28.93611	88	58	8	-88.96889
29	11	15	29.1875	88	41	0	-88.68333
28	7	48	28.13	92	46	50	-92.78056
28	56	10	28.93611	88	58	8	-88.96889
27	19	29	27.32472	90	32	16	-90.53778
28	56	10	28.93611	88	58	8	-88.96889
28	15	9	28.2525	90	28	6	-90.46833
29	1	53	29.03139	89	55	26	-89.92389
27	56	37	27.94361	91	1	44	-91.02889
28	38	10	28.63611	90	59	31	-90.99194
28	51	48	28.86333	93	15	30	-93.25833
29	16	15	29.27083	88	11	40	-88.19444
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
26	26	12	26.43667	90	47	30	-90.79167
28	34	36	28.57667	94	58	36	-94.97667
29	1	13	29.02028	90	10	14	-90.17056
28	56	10	28.93611	88	58	8	-88.96889
27	58	47	27.97972	91	55	5	-91.91806
22	22	50	22.38056	91	28	17	-91.47139
27	45	51	27.76417	91	58	12	-91.97
28	56	49	28.94694	89	42	21	-89.70583
29	56	37	29.94361	91	1	45	-91.02917
28	56	50	28.94722	89	42	21	-89.70583
28	56	10	28.93611	88	58	8	-88.96889
28	11	26	28.19056	88	29	44	-88.49556
27	8	42	27.145	90	19	6	-90.31833
28	35	1	28.58361	92	6	39	-92.11083
28	56	50	28.94722	89	0	0	-89
28	11	27	28.19083	88	29	44	-88.49556
28	27	35	28.45972	90	40	47	-90.67972
27	16	26	27.27389	90	32	41	-90.54472
29	2	21	29.03917	89	16	57	-89.2825
28	13	0	28.21667	88	33	30	-88.55833
28	53	34	28.89278	90	21	0	-90.35
29	0	31	29.00861	90	31	38	-90.52722
29	37	4	29.61778	93	18	11	-93.30306
28	56	10	28.93611	88	58	8	-88.96889
27	56	37	27.94361	91	1	45	-91.02917
23	34	4	23.56778	91	31	28	-91.52444
28	56	30	28.94167	89	40	46	-89.67944
27	56	37	27.94361	91	1	45	-91.02917
29	1	53	29.03139	89	55	26	-89.92389
29	26	28	29.44111	92	3	41	-92.06139
28	52	36	28.87667	93	2	6	-93.035

28	56	10	28.93611	88	58	8	-88.96889
29	13	26	29.22389	87	46	31	-87.77528
28	27	59	28.46639	90	26	46	-90.44611
29	37	24	29.62333	93	18	7	-93.30194
27	19	29	27.32472	90	32	16	-90.53778
28	56	10	28.93611	88	58	8	-88.96889
28	58	32	28.97556	90	50	15	-90.8375
28	9	21	28.15583	89	14	12	-89.23667
29	24	5	29.40139	88	2	2	-88.03389
27	19	29	27.32472	90	32	16	-90.53778
27	27	55	27.46528	90	33	59	-90.56639
28	56	10	28.93611	88	58	8	-88.96889
28	48	36	28.81	88	15	12	-88.25333
28	12	32	28.20889	88	44	15	-88.7375
29	16	53	29.28139	88	46	20	-88.77222
27	22	48	27.38	90	8	30	-90.14167
29	11	15	29.1875	88	41	0	-88.68333
28	56	46	28.94611	89	42	22	-89.70611
28	11	26	28.19056	88	29	44	-88.49556
27	21	24	27.35667	90	44	42	-90.745
28	55	43	28.92861	90	21	10	-90.35278
28	56	10	28.93611	88	58	8	-88.96889
28	37	40	28.62778	91	3	56	-91.06556
28	38	13	28.63694	91	4	2	-91.06722
28	50	45	28.84583	90	39	7	-90.65194
26	45	0	26.75	83	4	0	-83.06667
29	24	3	29.40083	89	2	7	-89.03528
28	56	10	28.93611	88	58	8	-88.96889
28	11	27	28.19083	88	29	45	-88.49583
29	15	53	29.26472	88	46	20	-88.77222
28	30	54	28.515	91	33	22	-91.55611
28	6	33	28.10917	88	29	40	-88.49444
28	50	46	28.84611	90	39	7	-90.65194
28	58	15	28.97083	89	14	43	-89.24528
28	9	14	28.15389	89	6	13	-89.10361
29	3	38	29.06056	88	5	30	-88.09167
28	48	2	28.80056	91	39	37	-91.66028
29	2	20	29.03889	89	16	57	-89.2825
28	11	25	28.19028	88	29	42	-88.495
29	2	48	29.04667	89	16	30	-89.275
28	56	10	28.93611	88	58	8	-88.96889
27	22	25	27.37361	90	32	31	-90.54194
29	8	27	29.14083	89	36	29	-89.60806

26	9	18	26.155	94	47	24	-94.79
28	56	10	28.93611	88	58	8	-88.96889
26	54	45	26.9125	91	34	17	-91.57139
28	43	4	28.71778	92	19	53	-92.33139
29	21	16	29.35444	88	56	4	-88.93444
28	20	30	28.34167	88	15	56	-88.26556
28	56	10	28.93611	88	58	8	-88.96889
28	57	56	28.96556	90	19	36	-90.32667
29	22	25	29.37361	89	1	58	-89.03278
28	54	15	28.90417	89	39	36	-89.66
28	10	6	28.16833	89	13	13	-89.22028
29	1	34	29.02611	90	10	10	-90.16944
29	15	49	29.26361	88	46	54	-88.78167
29	16	31	29.27528	88	44	31	-88.74194
28	56	10	28.93611	88	58	8	-88.96889
29	18	25	29.30694	88	54	0	-88.9
27	32	48	27.54667	92	26	36	-92.44333
29	18	49	29.31361	94	13	9	-94.21917
29	0	38	29.01056	89	40	28	-89.67444
29	7	18	29.12167	91	10	18	-91.17167
27	32	48	27.54667	92	26	36	-92.44333
28	56	10	28.93611	88	58	8	-88.96889
28	45	0	28.75	91	22	12	-91.37
27	43	14	27.72056	91	1	5	-91.01806
28	56	10	28.93611	88	58	8	-88.96889
28	58	51	28.98083	90	43	44	-90.72889
29	24	3	29.40083	89	2	5	-89.03472
28	6	27	28.1075	92	26	42	-92.445
28	56	10	28.93611	88	58	8	-88.96889
29	6	52	29.11444	87	56	44	-87.94556
26	6	44	26.11222	94	50	11	-94.83639
28	7	48	28.13	92	46	48	-92.78
29	54	12	29.90333	91	34	12	-91.57
24	27	15	24.45417	83	26	35	-83.44306
26	9	20	26.15556	94	47	25	-94.79028
27	13	30	27.225	90	1	54	-90.03167
27	19	29	27.32472	90	32	16	-90.53778
26	51	30	26.85833	93	32	36	-93.54333
27	37	29	27.62472	90	26	28	-90.44111
28	9	21	28.15583	89	14	12	-89.23667
28	18	42	28.31167	91	1	6	-91.01833
28	56	44	28.94556	90	21	57	-90.36583

28	40	29	28.67472	91	54	32	-91.90889
28	56	10	28.93611	88	58	8	-88.96889
29	7	12	29.12	89	40	33	-89.67583
29	24	28	29.40778	93	18	13	-93.30361
27	46	3	27.7675	90	47	53	-90.79806
28	12	18	28.205	88	33	48	-88.56333
29	8	32	29.14222	88	14	36	-88.24333
28	56	10	28.93611	88	58	8	-88.96889
28	53	0	28.88333	89	36	0	-89.6
28	51	55	28.86528	90	29	16	-90.48778
28	51	51	28.86417	88	55	50	-88.93056
28	31	38	28.52722	93	53	3	-93.88417
29	24	2	29.40056	89	2	3	-89.03417
28	31	38	28.52722	93	53	3	-93.88417
29	2	20	29.03889	90	7	18	-90.12167
28	15	0	28.25	90	22	0	-90.36667
28	56	10	28.93611	88	58	8	-88.96889
28	14	55	28.24861	90	22	18	-90.37167
28	10	18	28.17167	92	59	27	-92.99083
27	18	14	27.30389	93	32	17	-93.53806
27	56	37	27.94361	91	1	45	-91.02917
27	19	17	27.32139	93	30	15	-93.50417
28	32	0	28.53333	88	13	0	-88.21667
29	13	12	29.22	87	46	48	-87.78
28	20	59	28.34972	87	54	22	-87.90611
26	41	33	26.6925	90	33	33	-90.55917
29	14	40	29.24444	88	24	58	-88.41611
29	6	27	29.1075	87	54	37	-87.91028
28	26	45	28.44583	90	53	36	-90.89333
28	56	10	28.93611	88	58	8	-88.96889
28	11	27	28.19083	18	29	45	-18.49583
29	20	28	29.34111	88	57	33	-88.95917
27	56	19	27.93861	92	57	50	-92.96389
29	6	3	29.10083	89	58	39	-89.9775
28	9	41	28.16139	90	42	48	-90.71333
27	48	46	27.81278	90	31	8	-90.51889
29	15	12	29.25333	94	31	0	-94.51667
27	55	59	27.93306	93	48	9	-93.8025
28	12	51	28.21417	88	31	7	-88.51861
29	2	49	29.04694	90	9	45	-90.1625
28	20	30	28.34167	88	15	56	-88.26556
27	50	6	27.835	96	1	47	-96.02972

27	11	18	27.18833	90	16	7	-90.26861
28	56	10	28.93611	88	58	8	-88.96889
29	6	27	29.1075	87	56	37	-87.94361
27	27	56	27.46556	90	33	59	-90.56639
27	46	59	27.78306	92	1	13	-92.02028
26	9	18	26.155	94	47	24	-94.79
28	26	55	28.44861	92	30	36	-92.51
27	38	48	27.64667	88	45	54	-88.765
29	6	27	29.1075	87	56	37	-87.94361
28	56	50	28.94722	89	42	21	-89.70583
26	51	29	26.85806	93	32	39	-93.54417
28	16	22	28.27278	92	15	29	-92.25806
27	50	25	27.84028	91	59	16	-91.98778
28	16	22	28.27278	92	15	49	-92.26361
28	56	10	28.93611	88	58	8	-88.96889
29	11	15	29.1875	88	41	0	-88.68333
28	44	26	28.74056	91	5	12	-91.08667
28	13	28	28.22444	88	30	6	-88.50167
28	12	18	28.205	88	33	24	-88.55667
28	36	1	28.60028	91	0	10	-91.00278
28	9	21	28.15583	89	14	12	-89.23667
28	58	3	28.9675	90	50	16	-90.83778
29	8	27	29.14083	89	36	29	-89.60806
28	56	10	28.93611	88	58	8	-88.96889
28	1	6	28.01833	88	45	0	-88.75
28	13	30	28.225	88	30	6	-88.50167
28	4	0	28.06667	94	25	0	-94.41667
28	31	15	28.52083	88	17	20	-88.28889
28	31	36	28.52667	90	54	13	-90.90361
29	8	29	29.14139	89	35	45	-89.59583
26	12	31	26.20861	91	26	36	-91.44333
28	9	41	28.16139	90	42	48	-90.71333
27	56	19	27.93861	92	57	50	-92.96389
29	13	44	29.22889	87	46	51	-87.78083
28	58	1	28.96694	90	20	33	-90.3425
28	56	10	28.93611	88	58	8	-88.96889
28	40	50	28.68056	89	23	16	-89.38778
28	20	30	28.34167	88	15	56	-88.26556
29	3	25	29.05694	88	57	49	-88.96361
28	58	14	28.97056	89	47	53	-89.79806
29	23	34	29.39278	89	13	9	-89.21917
28	33	53	28.56472	90	15	0	-90.25
28	37	1	28.61694	90	14	53	-90.24806

28	56	10	28.93611	88	58	8	-88.96889
28	40	50	28.68056	89	23	15	-89.3875
28	9	35	28.15972	89	56	57	-89.94917
27	57	23	27.95639	94	1	38	-94.02722
28	59	15	28.9875	87	56	47	-87.94639
28	56	10	28.93611	88	58	8	-88.96889
28	40	30	28.675	90	9	22	-90.15611
27	32	0	27.53333	92	26	0	-92.43333
28	56	10	28.93611	88	58	8	-88.96889
28	56	10	28.93611	88	58	8	-88.96889
28	58	14	28.97056	89	30	41	-89.51139
28	44	17	28.73806	90	1	34	-90.02611
28	39	45	28.6625	89	9	27	-89.1575
28	31	42	28.52833	90	58	41	-90.97806
28	56	10	28.93611	88	58	8	-88.96889
27	17	48	27.29667	90	0	0	-90
28	12	58	28.21611	88	33	27	-88.5575
28	31	42	28.52833	90	58	41	-90.97806
28	34	23	28.57306	91	16	9	-91.26917
28	55	12	28.92	93	9	58	-93.16611
28	56	10	28.93611	88	58	8	-88.96889
26	41	16	26.68778	90	31	0	-90.51667
29	6	27	29.1075	87	56	37	-87.94361
28	34	0	28.56667	88	16	0	-88.26667
28	15	12	28.25333	88	55	50	-88.93056
28	31	53	28.53139	92	20	47	-92.34639
27	52	19	27.87194	91	59	7	-91.98528
27	21	1	27.35028	90	10	49	-90.18028
29	6	36	29.11	88	20	32	-88.34222
27	27	6	27.45167	90	20	39	-90.34417
28	56	10	28.93611	88	58	8	-88.96889
29	15	48	29.26333	88	45	33	-88.75917
26	6	0	26.1	92	3	0	-92.05
28	30	42	28.51167	91	6	12	-91.10333
28	15	31	28.25861	93	22	16	-93.37111
28	9	41	28.16139	90	42	48	-90.71333
28	13	36	28.22667	88	29	54	-88.49833
27	47	0	27.78333	92	1	13	-92.02028
29	1	56	29.03222	90	50	56	-90.84889
27	52	31	27.87528	91	59	11	-91.98639
28	55	43	28.92861	90	21	10	-90.35278
29	13	37	29.22694	91	36	11	-91.60306
28	49	34	28.82611	90	55	3	-90.9175

29	0	40	29.01111	90	53	39	-90.89417
28	52	12	28.87	90	53	12	-90.88667
28	58	32	28.97556	90	50	16	-90.83778
27	45	28	27.75778	91	42	6	-91.70167
28	56	10	28.93611	88	58	8	-88.96889
29	14	33	29.2425	88	55	37	-88.92694
26	26	54	26.44833	90	47	0	-90.78333
27	46	48	27.78	92	1	18	-92.02167
28	31	42	28.52833	90	58	41	-90.97806
27	52	31	27.87528	91	59	11	-91.98639
28	14	41	28.24472	89	15	39	-89.26083
29	33	52	29.56444	93	30	46	-93.51278
28	50	42	28.845	90	35	38	-90.59389
27	43	49	27.73028	90	34	14	-90.57056
28	32	1	28.53361	86	16	14	-86.27056
29	5	36	29.09333	91	16	59	-91.28306
28	56	53	28.94806	90	43	24	-90.72333
28	56	10	28.93611	88	58	8	-88.96889
29	21	5	29.35139	91	45	39	-91.76083
28	36	59	28.61639	87	59	11	-87.98639
29	21	3	29.35083	91	45	15	-91.75417
28	5	5	28.08472	94	26	38	-94.44389
28	28	38	28.47722	91	17	11	-91.28639
28	56	53	28.94806	90	43	24	-90.72333
29	1	53	29.03139	89	55	26	-89.92389
28	28	38	28.47722	91	17	11	-91.28639
28	28	38	28.47722	91	17	11	-91.28639
28	56	10	28.93611	88	58	8	-88.96889
28	32	23	28.53972	88	15	20	-88.25556
29	4	11	29.06972	91	16	27	-91.27417
28	44	32	28.74222	88	49	32	-88.82556
26	12	31	26.20861	91	26	36	-91.44333
28	47	20	28.78889	88	54	34	-88.90944
27	5	2	27.08389	90	47	40	-90.79444
28	3	13	28.05361	90	32	52	-90.54778
29	8	20	29.13889	89	31	18	-89.52167
26	12	31	26.20861	91	26	36	-91.44333
27	56	37	27.94361	91	1	45	-91.02917
29	2	35	29.04306	90	7	10	-90.11944
28	59	0	28.98333	88	31	0	-88.51667
28	50	57	28.84917	90	38	26	-90.64056
29	52	31	29.87528	91	59	11	-91.98639
29	27	18	29.455	89	14	13	-89.23694
28	44	32	28.74222	88	49	32	-88.82556

28	30	42	28.51167	91	6	12	-91.10333
30	8	16	30.13778	88	0	9	-88.0025
28	56	10	28.93611	88	58	8	-88.96889
26	3	47	26.06306	92	7	43	-92.12861
28	3	30	28.05833	94	23	50	-94.39722
28	56	10	28.93611	88	58	8	-88.96889
29	3	28	29.05778	88	57	51	-88.96417
26	12	31	26.20861	91	26	36	-91.44333
26	6	14	26.10389	92	3	13	-92.05361
27	56	47	27.94639	88	9	16	-88.15444
27	11	30	27.19167	90	56	13	-90.93694
26	6	0	26.1	92	3	0	-92.05
28	56	10	28.93611	88	58	8	-88.96889
28	56	53	28.94806	90	43	24	-90.72333
28	28	21	28.4725	91	38	22	-91.63944
26	53	44	26.89556	94	53	51	-94.8975
27	21	43	27.36194	90	10	53	-90.18139
29	7	3	29.1175	88	50	56	-88.84889
28	31	15	28.52083	88	17	20	-88.28889
28	13	59	28.23306	88	17	25	-88.29028
28	27	21	28.45583	91	19	16	-91.32111
29	2	45	29.04583	89	16	47	-89.27972
27	27	53	27.46472	90	34	0	-90.56667
28	52	58	28.88278	92	21	47	-92.36306
29	15	17	29.25472	89	2	26	-89.04056
28	48	55	28.81528	91	43	37	-91.72694
26	48	33	26.80917	91	18	44	-91.31222
29	15	52	29.26444	88	46	19	-88.77194
28	33	34	28.55944	92	20	40	-92.34444
28	30	36	28.51	88	33	0	-88.55
28	35	57	28.59917	91	26	36	-91.44333
28	56	10	28.93611	88	58	8	-88.96889
27	56	37	27.94361	91	1	45	-91.02917
29	6	28	29.10778	87	56	37	-87.94361
28	56	18	28.93833	89	39	38	-89.66056
28	5	34	28.09278	89	57	51	-89.96417
29	15	6	29.25167	89	3	15	-89.05417
28	14	29	28.24139	92	21	16	-92.35444
28	23	37	28.39361	93	6	8	-93.10222

29	13	0	29.21667	92	43	45	-92.72917
28	30	42	28.51167	92	32	53	-92.54806
28	21	35	28.35972	87	55	32	-87.92556
29	2	39	29.04417	88	58	1	-88.96694
28	58	15	28.97083	89	14	43	-89.24528
27	52	19	27.87194	91	35	24	-91.59
28	56	10	28.93611	88	58	8	-88.96889
28	58	18	28.97167	89	30	53	-89.51472
29	2	11	29.03639	90	49	59	-90.83306
29	19	33	29.32583	88	1	12	-88.02
28	6	24	28.10667	96	25	48	-96.43
26	14	1	26.23361	91	15	6	-91.25167
28	37	6	28.61833	90	59	41	-90.99472
27	23	46	27.39611	90	18	16	-90.30444
28	39	57	28.66583	89	59	10	-89.98611
29	38	22	29.63944	93	13	54	-93.23167
28	30	19	28.50528	90	58	12	-90.97
28	17	35	28.29306	92	17	36	-92.29333
27	54	10	27.90278	93	57	32	-93.95889
28	56	10	28.93611	88	58	8	-88.96889
29	7	12	29.12	89	40	33	-89.67583
26	54	44	26.91222	91	34	17	-91.57139
28	15	45	28.2625	91	38	51	-91.6475
29	18	7	29.30194	89	3	37	-89.06028
29	41	53	29.69806	89	29	49	-89.49694
28	37	9	28.61917	88	1	36	-88.02667
27	13	2	27.21722	90	2	49	-90.04694
28	27	13	28.45361	91	27	23	-91.45639
28	55	0	28.91667	90	46	27	-90.77417
28	56	10	28.93611	88	58	8	-88.96889
28	31	51	28.53083	93	10	20	-93.17222
29	15	59	29.26639	88	54	28	-88.90778
28	21	33	28.35917	93	10	14	-93.17056
28	28	29	28.47472	92	0	0	-92
28	47	0	28.78333	89	59	0	-89.98333
28	50	57	28.84917	90	38	26	-90.64056
28	50	57	28.84917	90	38	26	-90.64056
27	48	46	27.81278	90	31	8	-90.51889

28	9	35	28.15972	89	14	20	-89.23889
28	9	41	28.16139	90	42	48	-90.71333
28	39	59	28.66639	90	9	22	-90.15611
27	13	31	27.22528	90	1	51	-90.03083
29	5	4	29.08444	89	59	26	-89.99056
28	41	1	28.68361	90	8	54	-90.14833
28	56	10	28.93611	88	58	8	-88.96889
27	56	19	27.93861	92	57	50	-92.96389
24	26	44	24.44556	83	16	59	-83.28306
24	28	35	24.47639	83	15	3	-83.25083
27	48	46	27.81278	90	31	8	-90.51889
28	56	10	28.93611	88	58	8	-88.96889
28	33	43	28.56194	91	17	51	-91.2975
29	21	20	29.35556	88	41	18	-88.68833
27	46	8	27.76889	90	31	9	-90.51917
27	27	56	27.46556	90	33	59	-90.56639
29	44	45	29.74583	88	9	30	-88.15833
28	31	12	28.52	90	56	31	-90.94194
27	57	43	27.96194	87	51	20	-87.85556
28	56	10	28.93611	88	58	8	-88.96889
29	16	59	29.28306	89	1	21	-89.0225
30	14	39	30.24417	88	22	12	-88.37
28	11	46	28.19611	91	39	59	-91.66639
29	15	59	29.26639	88	54	28	-88.90778
27	26	12	27.43667	90	55	30	-90.925
29	1	38	29.02722	89	55	27	-89.92417
28	56	10	28.93611	88	58	8	-88.96889
28	51	4	28.85111	89	36	4	-89.60111
28	17	56	28.29889	92	0	40	-92.01111
28	56	10	28.93611	88	58	8	-88.96889
28	9	14	28.15389	89	6	8	-89.10222
29	10	51	29.18083	88	54	11	-88.90306
28	14	48	28.24667	88	59	24	-88.99
29	3	38	29.06056	88	5	30	-88.09167
28	57	15	28.95417	89	11	24	-89.19
29	5	12	29.08667	88	44	2	-88.73389
28	26	33	28.4425	92	55	47	-92.92972
29	45	48	29.76333	88	42	6	-88.70167
28	30	19	28.50528	90	58	12	-90.97
26	54	45	26.9125	91	34	18	-91.57167
29	33	28	29.55778	89	19	30	-89.325
28	51	4	28.85111	89	36	4	-89.60111

28	56	10	28.93611	88	58	8	-88.96889
28	31	42	28.52833	90	58	41	-90.97806
27	48	46	27.81278	90	31	8	-90.51889
28	50	2	28.83389	89	27	20	-89.45556
28	5	26	28.09056	93	44	36	-93.74333
29	8	16	29.13778	89	35	45	-89.59583
28	11	36	28.19333	89	10	36	-89.17667
27	0	35	27.00972	92	27	45	-92.4625
28	26	47	28.44639	90	18	29	-90.30806
28	45	18	28.755	91	32	42	-91.545
28	30	30	28.50833	90	54	10	-90.90278
28	12	9	28.2025	91	34	16	-91.57111
28	55	52	28.93111	90	24	10	-90.40278
28	49	52	28.83111	91	52	38	-91.87722
28	58	14	28.97056	89	30	41	-89.51139
26	59	6	26.985	90	59	0	-90.98333
28	56	10	28.93611	88	58	8	-88.96889
28	12	9	28.2025	91	34	16	-91.57111
26	41	32	26.69222	94	42	22	-94.70611
27	48	46	27.81278	90	31	8	-90.51889
28	42	50	28.71389	91	8	17	-91.13806
28	56	9	28.93583	88	58	12	-88.97
28	56	10	28.93611	88	58	8	-88.96889
29	38	56	29.64889	88	41	13	-88.68694
27	44	28	27.74111	91	6	59	-91.11639
27	0	30	27.00833	92	27	42	-92.46167
27	48	46	27.81278	90	31	8	-90.51889
28	56	10	28.93611	88	58	8	-88.96889
27	56	46	27.94611	94	23	51	-94.3975
27	17	32	27.29222	90	58	4	-90.96778
29	2	45	29.04583	89	16	47	-89.27972
28	9	48	28.16333	88	29	0	-88.48333
28	45	39	28.76083	91	41	47	-91.69639
27	53	58	27.89944	91	30	27	-91.5075
29	38	53	29.64806	93	49	40	-93.82778
28	4	21	28.0725	89	5	7	-89.08528
29	22	2	29.36722	88	59	35	-88.99306
28	13	30	28.225	88	30	6	-88.50167

28	56	10	28.93611	88	58	8	-88.96889
28	9	48	28.16333	88	28	0	-88.46667
29	17	7	29.28528	89	1	18	-89.02167
28	51	8	28.85222	89	36	6	-89.60167
27	14	9	27.23583	97	16	57	-97.2825
27	14	1	27.23361	97	16	57	-97.2825
28	55	56	28.93222	89	25	26	-89.42389
29	10	3	29.1675	88	27	21	-88.45583
28	56	10	28.93611	88	58	8	-88.96889
28	31	59	28.53306	93	10	16	-93.17111
28	53	6	28.885	90	1	30	-90.025
29	32	59	29.54972	93	9	40	-93.16111
28	35	17	28.58806	92	53	58	-92.89944
28	13	44	28.22889	92	31	49	-92.53028
28	53	14	28.88722	95	8	5	-95.13472
27	10	30	27.175	91	14	6	-91.235
28	13	36	28.22667	88	29	54	-88.49833
27	52	31	27.87528	91	59	11	-91.98639
28	56	10	28.93611	88	58	8	-88.96889
27	19	0	27.31667	90	45	12	-90.75333
28	11	25	28.19028	88	29	42	-88.495
24	1	44	24.02889	88	56	34	-88.94278
29	20	48	29.34667	88	45	29	-88.75806
28	56	10	28.93611	88	58	8	-88.96889
29	6	27	29.1075	87	54	37	-87.91028
28	58	0	28.96667	89	41	0	-89.68333
28	18	28	28.30778	90	1	21	-90.0225
29	33	9	29.5525	88	39	36	-88.66
29	1	46	29.02944	88	56	34	-88.94278
28	50	42	28.845	90	35	38	-90.59389

27	48	46	27.81278	90	31	8	-90.51889
29	27	33	29.45917	88	45	57	-88.76583
28	12	9	28.2025	91	32	16	-91.53778
28	20	30	28.34167	88	15	56	-88.26556
28	53	8	28.88556	89	3	51	-89.06417
28	56	10	28.93611	88	58	8	-88.96889
27	6	56	27.11556	90	48	9	-90.8025
29	8	26	29.14056	91	9	22	-91.15611
28	16	48	28.28	90	22	48	-90.38
29	6	27	29.1075	87	54	37	-87.91028
28	56	10	28.93611	88	58	8	-88.96889
27	12	13	27.20361	92	12	9	-92.2025
28	0	9	28.0025	96	25	46	-96.42944
29	24	27	29.4075	91	59	53	-91.99806
28	56	10	28.93611	88	58	8	-88.96889
29	6	25	29.10694	88	51	26	-88.85722
27	41	27	27.69083	93	0	27	-93.0075
28	20	30	28.34167	88	15	56	-88.26556
29	9	57	29.16583	88	45	46	-88.76278
28	54	18	28.905	89	49	18	-89.82167
28	17	49	28.29694	91	59	33	-91.9925
27	44	6	27.735	92	44	22	-92.73944
27	27	52	27.46444	92	25	59	-92.43306
27	44	7	27.73528	92	44	25	-92.74028
29	12	11	29.20306	88	53	59	-88.89972
28	14	6	28.235	88	59	43	-88.99528
28	56	10	28.93611	88	58	8	-88.96889
27	12	14	27.20389	92	12	9	-92.2025
29	2	49	29.04694	90	9	45	-90.1625
28	51	28	28.85778	90	27	34	-90.45944
29	17	14	29.28722	88	45	35	-88.75972
26	54	44	26.91222	91	34	17	-91.57139
28	56	50	28.94722	89	42	21	-89.70583
28	5	54	28.09833	92	14	2	-92.23389
28	51	51	28.86417	88	55	50	-88.93056
29	14	1	29.23361	88	40	54	-88.68167
29	6	9	29.1025	91	9	9	-91.1525
28	31	36	28.52667	90	55	32	-90.92556
28	46	12	28.77	89	10	24	-89.17333
28	26	0	28.43333	94	19	0	-94.31667
28	17	59	28.29972	91	59	33	-91.9925

28	53	6	28.885	90	1	30	-90.025
28	15	23	28.25639	91	44	22	-91.73944
28	50	1	28.83361	89	27	12	-89.45333
28	13	0	28.21667	88	30	0	-88.5
28	56	10	28.93611	88	58	8	-88.96889
27	51	33	27.85917	91	54	23	-91.90639
28	59	2	28.98389	89	14	56	-89.24889
30	11	18	30.18833	88	7	18	-88.12167
29	0	3	29.00083	90	49	34	-90.82611
28	34	56	28.58222	90	58	49	-90.98028
28	9	19	28.15528	89	56	53	-89.94806
28	56	52	28.94778	91	16	34	-91.27611
27	21	43	27.36194	90	10	53	-90.18139
30	6	44	30.11222	88	30	20	-88.50556
29	32	23	29.53972	89	15	41	-89.26139
28	54	20	28.90556	90	29	13	-90.48694
27	32	45	27.54583	92	26	36	-92.44333
28	38	16	28.63778	92	3	0	-92.05
27	21	43	27.36194	90	10	53	-90.18139
27	52	31	27.87528	91	59	11	-91.98639
28	17	56	28.29889	92	0	40	-92.01111
28	31	52	28.53111	90	54	37	-90.91028
28	56	10	28.93611	88	58	8	-88.96889
27	44	7	27.73528	92	44	25	-92.74028
29	7	4	29.11778	89	42	42	-89.71167
28	10	28	28.17444	88	57	38	-88.96056
29	5	36	29.09333	89	36	36	-89.61
27	6	56	27.11556	90	48	9	-90.8025
27	45	50	27.76389	91	58	12	-91.97
29	23	16	29.38778	93	26	35	-93.44306
28	32	0	28.53333	90	2	0	-90.03333
28	50	1	28.83361	89	27	12	-89.45333
28	54	12	28.90333	90	6	42	-90.11167
29	8	46	29.14611	89	40	42	-89.67833
27	5	0	27.08333	90	47	42	-90.795
28	26	55	28.44861	92	30	36	-92.51
27	49	58	27.83278	94	33	5	-94.55139
29	6	27	29.1075	87	56	37	-87.94361
28	56	10	28.93611	88	58	8	-88.96889
27	48	46	27.81278	90	31	8	-90.51889
26	54	48	26.91333	96	34	17	-96.57139

28	36	0	28.6	88	26	6	-88.435
28	26	55	28.44861	90	30	36	-90.51
29	2	49	29.04694	90	9	45	-90.1625
29	24	23	29.40639	89	1	12	-89.02
28	56	10	28.93611	88	58	8	-88.96889
28	27	2	28.45056	89	22	22	-89.37278
28	42	10	28.70278	93	19	28	-93.32444
28	56	10	28.93611	88	58	8	-88.96889
27	15	59	27.26639	90	48	32	-90.80889
26	23	0	26.38333	82	17	0	-82.28333
27	13	24	27.22333	90	50	11	-90.83639
27	13	4	27.21778	90	50	11	-90.83639
27	13	26	27.22389	90	50	11	-90.83639
28	13	0	28.21667	88	30	0	-88.5
28	56	10	28.93611	88	58	8	-88.96889
28	54	20	28.90556	90	29	13	-90.48694
28	56	10	28.93611	88	58	8	-88.96889
27	50	53	27.84806	90	43	10	-90.71944
28	37	2	28.61722	90	14	59	-90.24972
28	30	22	28.50611	90	51	45	-90.8625
28	13	29	28.22472	88	30	7	-88.50194
28	37	56	28.63222	90	58	43	-90.97861
29	58	23	29.97306	88	37	34	-88.62611
28	56	10	28.93611	88	58	8	-88.96889
28	14	18	28.23833	88	59	24	-88.99
28	41	51	28.6975	91	11	34	-91.19278
28	53	55	28.89861	90	30	15	-90.50417
28	38	34	28.64278	89	47	39	-89.79417
28	39	59	28.66639	90	9	21	-90.15583
28	42	6	28.70167	88	35	42	-88.595
28	56	10	28.93611	88	58	8	-88.96889
28	58	52	28.98111	91	13	7	-91.21861
27	47	42	27.795	90	38	51	-90.6475
29	37	19	29.62194	94	11	47	-94.19639
29	7	2	29.11722	88	50	55	-88.84861
89	4	14	89.07056	28	18	33	-28.30917
28	38	45	28.64583	90	51	52	-90.86444
29	5	49	29.09694	89	57	43	-89.96194
28	5	43	28.09528	93	52	10	-93.86944

29	17	33	29.2925	92	57	56	-92.96556
26	52	54	26.88167	95	35	35	-95.59306
27	30	51	27.51417	97	10	52	-97.18111
28	13	29	28.22472	88	30	6	-88.50167
28	56	10	28.93611	88	58	8	-88.96889
28	35	56	28.59889	88	26	12	-88.43667
28	39	46	28.66278	89	24	29	-89.40806
28	40	9	28.66917	89	23	28	-89.39111
28	30	19	28.50528	93	24	43	-93.41194
29	22	18	29.37167	93	9	54	-93.165
28	56	10	28.93611	88	58	8	-88.96889
28	20	0	28.33333	88	15	0	-88.25
28	56	50	28.94722	89	42	21	-89.70583
28	18	33	28.30917	90	4	13	-90.07028
28	57	51	28.96417	89	47	2	-89.78389
28	37	23	28.62306	88	26	3	-88.43417
28	56	10	28.93611	88	58	8	-88.96889
27	0	30	27.00833	92	27	42	-92.46167
29	17	5	29.28472	89	5	55	-89.09861
29	16	26	29.27389	89	1	39	-89.0275
29	6	27	29.1075	87	56	37	-87.94361
28	13	30	28.225	88	30	6	-88.50167
28	31	1	28.51694	88	17	3	-88.28417
29	0	0	29	89	37	48	-89.63
28	51	52	28.86444	88	55	49	-88.93028
28	56	10	28.93611	88	58	8	-88.96889
29	16	15	29.27083	88	44	29	-88.74139
26	55	54	26.93167	90	30	0	-90.5
29	15	59	29.26639	88	54	29	-88.90806
27	34	3	27.5675	90	35	53	-90.59806
29	7	12	29.12	89	40	33	-89.67583
28	56	10	28.93611	88	58	8	-88.96889
28	39	1	28.65028	91	20	10	-91.33611
27	19	0	27.31667	90	45	12	-90.75333
28	59	33	28.9925	89	15	58	-89.26611
28	24	44	28.41222	93	45	46	-93.76278
28	20	30	28.34167	88	15	52	-88.26444
28	37	24	28.62333	88	26	2	-88.43389
28	11	26	28.19056	88	29	43	-88.49528
29	11	15	29.1875	88	41	0	-88.68333
28	21	13	28.35361	92	46	17	-92.77139

27	37	29	27.62472	90	26	28	-90.44111
28	31	12	28.52	88	17	18	-88.28833
28	31	15	28.52083	88	17	20	-88.28889
28	56	10	28.93611	88	58	8	-88.96889
29	12	12	29.20333	89	40	33	-89.67583
29	3	49	29.06361	88	57	22	-88.95611
28	14	6	28.235	88	59	43	-88.99528
29	6	27	29.1075	87	56	37	-87.94361
28	28	52	28.48111	90	52	19	-90.87194
29	11	15	29.1875	88	41	0	-88.68333
27	21	42	27.36167	90	10	48	-90.18
28	55	54	28.93167	89	0	18	-89.005
29	2	5	29.03472	89	55	41	-89.92806
28	30	50	28.51389	88	10	18	-88.17167
28	56	47	28.94639	89	45	37	-89.76028
29	11	15	29.1875	88	41	0	-88.68333
28	35	30	28.59167	89	41	43	-89.69528
29	3	38	29.06056	88	5	30	-88.09167
28	8	12	28.13667	88	19	8	-88.31889
28	13	0	28.21667	88	32	0	-88.53333
27	11	18	27.18833	90	16	7	-90.26861
29	6	27	29.1075	87	54	37	-87.91028
29	7	43	29.12861	89	41	45	-89.69583
29	22	54	29.38167	89	15	48	-89.26333
28	25	32	28.42556	91	8	13	-91.13694
29	7	52	29.13111	91	6	52	-91.11444
28	56	10	28.93611	88	58	8	-88.96889
28	43	55	28.73194	95	15	42	-95.26167
28	36	0	28.6	90	0	0	-90
29	9	57	29.16583	88	45	46	-88.76278
27	21	43	27.36194	90	10	53	-90.18139
27	32	45	27.54583	92	26	36	-92.44333
27	19	16	27.32111	90	32	8	-90.53556
29	42	11	29.70306	93	38	25	-93.64028
29	17	32	29.29222	88	40	9	-88.66917
27	9	3	27.15083	91	12	37	-91.21028
29	20	9	29.33583	88	48	19	-88.80528
28	56	10	28.93611	88	58	8	-88.96889

29	17	49	29.29694	92	57	1	-92.95028
29	3	25	29.05694	88	57	50	-88.96389
29	6	3	29.10083	89	58	39	-89.9775
28	28	1	28.46694	88	9	16	-88.15444
28	37	27	28.62417	88	26	3	-88.43417
29	14	5	29.23472	89	57	33	-89.95917
28	58	14	28.97056	89	30	41	-89.51139
27	13	12	27.22	90	1	54	-90.03167
29	7	44	29.12889	89	41	23	-89.68972
29	18	31	29.30861	93	14	32	-93.24222
29	7	12	29.12	89	40	33	-89.67583
26	17	48	26.29667	91	5	39	-91.09417
28	56	10	28.93611	88	58	8	-88.96889
27	24	36	27.41	90	15	54	-90.265
28	9	36	28.16	89	14	21	-89.23917
26	17	42	26.295	91	5	42	-91.095
28	33	56	28.56556	90	58	46	-90.97944
28	9	31	28.15861	90	40	2	-90.66722
28	36	59	28.61639	90	14	43	-90.24528
28	57	20	28.95556	90	30	57	-90.51583
28	57	21	28.95583	90	30	57	-90.51583
27	27	26	27.45722	90	34	47	-90.57972
28	31	18	28.52167	88	17	18	-88.28833
28	58	15	28.97083	89	14	43	-89.24528
27	0	13	27.00361	90	0	50	-90.01389
28	34	56	28.58222	90	58	49	-90.98028
28	9	31	28.15861	90	40	2	-90.66722
29	1	47	29.02972	92	26	51	-92.4475
28	31	10	28.51944	91	31	36	-91.52667
27	0	30	27.00833	92	27	42	-92.46167
28	56	10	28.93611	88	58	8	-88.96889
27	20	25	27.34028	90	30	19	-90.50528
28	56	10	28.93611	88	58	8	-88.96889

REPORTED_CAUSE	WEATHER_INFLUENCE	RELEASED_MATERIAL
Unknown		Unknown oil
Hurricane	Hurricane	crude
Unknown		Unknown oil
Equipment Failure		syn drilling mud
Equipment Failure		hydraulic oil
Hurricane		crude oil
Equipment Failure		crude oil
Unknown		crude oil
Equipment Failure		hydraulic oil
Hurricane		crude oil
Equipment Failure		hydraulic oil
Other		hydraulic oil
Hurricane		crude oil
Equipment Failure		condensate
Unknown		unknown oil
Unknown		Unknown oil
Equipment Failure		condensate
Hurricane		crude oil
Equipment Failure		crude oil
Equipment Failure		lube oil
Equipment Failure		crude oil
Operator Error		condensate
Equipment Failure		hydraulic oil
Unknown		unknown oil
Unknown		crude oil
Hurricane		crude oil
Unknown		unknown oil
Unknown		unknown oil
Equipment Failure		hydraulic oil
Hurricane		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Unknown		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		crude
Unknown		Unknown oil
Equipment Failure		natural gas
Hurricane	Hurricane	crude oil
Operator Error		motor oil
Unknown		other oil
Natural Phenomenon		unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil

Equipment Failure		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		natural gas
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		condensate
Hurricane	Hurricane	crude oil
Equipment Failure		Unknown oil
Other		crude
Equipment Failure		hydraulic oil
Unknown		unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Operator Error		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		lube oil
Hurricane	Hurricane	crude oil
Unknown		unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		diesel
Equipment Failure		other oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil

Equipment Failure		crude
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Other		diesel
Unknown		hydraulic oil
Hurricane	Hurricane	crude oil
Operator Error		diesel
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		natural gas
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		condensate
Hurricane	Hurricane	crude oil
Other		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Operator Error		Diesel
Unknown		diesel
Natural Phenomenon	Heavy Rain	hydraulic oil
Equipment Failure		crude iol
Equipment Failure		glycol
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		hydraulic fluid
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		crude oil
Other		unknown oil
Equipment Failure		diesel
Equipment Failure		other oil
Unknown		crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil

Other		other oil
Equipment Failure		crude oil
Unknown		natural gas
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		hydraulic oil
Unknown		condensate
Unknown		natural gas
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Unknown		Unknown oil
Unknown		chemical
Equipment Failure		CRUDE
Unknown		condensate
Unknown		syn drilling mud
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		diesel
Unknown		unknown oil
Other		unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		natural gas
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		crude
Unknown		syn drilling mud
Unknown		Unknown
Unknown		natural gas
Equipment Failure		crude
Other		drilling fluid (low tox)
Hurricane	Hurricane	crude oil
Operator Error		pipe dope
Equipment Failure		hydraulic fluid
Operator Error		other oil
Natural Phenomenon	Rough Seas	other oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil

Unknown		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Equipment Failure		diesel
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		crude oil
Operator Error		crude oil
Unknown		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Natural Phenomenon	Heavy Rain	crude oil
Natural Phenomenon	Wind	motor oil
Equipment Failure		/water/propylene compound
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Other		crude oil
Hurricane	Hurricane	crude oil
Operator Error		lube oil
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	other oil
Hurricane	Hurricane	crude oil
Natural Phenomenon		crude
Equipment Failure		hydraulic oil
Natural Phenomenon		crude
Unknown		crude
Other		hydraulic oil
Unknown	Heavy Rain	crude
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Other		htdraulic oil
Unknown		other oil
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil

Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		drilling fluid (synthetic base)
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		drilling fluid (low tox)
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Other		ethylene glycol
Other		unknown
Unknown		Unknown
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		bilge slops
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Other		crude oil
Other		unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Other		other oil
Unknown		crude oil
Hurricane	Hurricane	crude oil
Operator Error		crude oil
Unknown		crude oil
Unknown		Unknown oil
Other		unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		hydraullic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Operator Error		crude
Equipment Failure		crude
Equipment Failure		other oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Operator Error		wax
Equipment Failure		other oil
Hurricane	Hurricane	crude oil

Unknown		drums
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Other		crude
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		Syn drilling mud
Equipment Failure		oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		diesel
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		crude oil
Unknown		Unknown oil
Unknown		lube oil
Unknown		Unknown oil
Natural Phenomenon		condensate
Operator Error		crude oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Other		crude oil
Hurricane	Hurricane	crude oil
Other		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		Syn drilling mud
Equipment Failure		crude
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Natural Phenomenon	Heavy Rain	chemical
Equipment Failure		diesel
Equipment Failure		condensate
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		salt and drilling fluid
Equipment Failure		crude oil
Unknown		unknown oil
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Other		diesel
Hurricane	Hurricane	crude oil
Other		unknown

Equipment Failure		crude
Hurricane	Hurricane	crude oil
Unknown		methanol
Other		unknown oil
Equipment Failure		clarifier
Operator Error		clarifier chemical
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		fuel oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Other		hydraulic oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown
Other		crude
Equipment Failure		hydraulic oil
Natural Phenomenon	Heavy Rain	diesel
Operator Error		crude oil
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		ammonium chloride
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Operator Error		hydraulic oil
Equipment Failure		condensate
Equipment Failure		hydraulic oil
Other		Syn Drilling mud
Other		crude
Other		crude
Equipment Failure		hydraulic oil
Equipment Failure		lude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Unknown		unkown oil
Equipment Failure		unknown oil
Equipment Failure		unknown oil
Equipment Failure		unknown oil
Equipment Failure		chemicals

Operator Error		crude oil
Unknown		Unknown oil
Unknown		unknown oil
Natural Phenomenon	Heavy Rain	other oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Operator Error		calcium chloride
Unknown		Unknown oil
Equipment Failure		syn drilling mud
Equipment Failure		diesel
Hurricane	Hurricane	crude oil
Equipment Failure		other oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Equipment Failure		crude
Natural Phenomenon	Rough Seas	Syn drilling fluid
Hurricane	Hurricane	crude oil
Other	Heavy Rain	unknown oil
Other		clarifier
Unknown		Unknown oil
Equipment Failure		crude oil
Natural Phenomenon	Rough Seas	oily rags
Other		isopropyl alcohol
Equipment Failure		crude oil
Other		clarifier chemical
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		hydraulic oil
Hurricane	Hurricane	crude oil
Other		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Operator Error		Syn drilling mud
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		produced water
Other		crude
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	crude oil
Unknown		gas

Hurricane	Hurricane	crude oil
Unknown		unknown oil
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Natural Phenomenon	Rough Seas	totes
Equipment Failure		crude oil
Other		clarifier chemical
Unknown		Unknown oil
Unknown		unknown oil
Equipment Failure		honey oil
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic fluid
Equipment Failure		condensate
Equipment Failure		hydraulic oil
Unknown		unknown oil
Hurricane	Hurricane	crude oil
Operator Error		crude
Other		crude
Equipment Failure		Zinc bromide
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		drilling fluid (low tox)
Equipment Failure		other oil
Equipment Failure		crude oil
Other		crude oil
Other		crude oil
Other		crude oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	crude oil
Hurricane	Hurricane	crude oil
Other		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Natural Phenomenon	Rough Seas	crude oil
Other		crude oil
Unknown		Unknown oil
Unknown		Unknown oil

Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		chemical
Equipment Failure		Zinc salts
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		other oil
Equipment Failure		crude oil
Equipment Failure		diesel
Equipment Failure		crude oil
Equipment Failure		unknown oil
Equipment Failure		crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		condensate
Equipment Failure		oil based mud
Unknown		diesel
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		hydraulic oil
Equipment Failure	Heavy Rain	crude oil
Equipment Failure	Heavy Rain	lubricating oil
Operator Error		crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		hydraulic oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude oil

Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Equipment Failure		crude
Equipment Failure		Unknown oil
Equipment Failure		crude
Equipment Failure		crude
Operator Error		diesel
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		unkown material
Equipment Failure	Heavy Rain	waste oil
Equipment Failure		crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		unknown material
Other		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		waste oil
Equipment Failure		crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Natural Phenomenon	Rough Seas	diesel
Equipment Failure		hydraulic oil
Operator Error		methyl alcohol
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		drilling fluid (low tox)
Unknown		unknown
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Equipment Failure		motor oil
Operator Error		gasoline
Equipment Failure		hydraulic oil

Equipment Failure		crude
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		natural gas
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		condensate
Operator Error		crude oil
Other		other oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Other		syn drilling fluid (low tox)
Operator Error		diesel
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Equipment Failure		motor oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Operator Error		diesel
Equipment Failure		other oil
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		fuel oil
Equipment Failure		diesel
Equipment Failure		syn drilling fluid
Equipment Failure		hydraulic oil
Equipment Failure		crude
Other		other oil
Equipment Failure		condensate

Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		drilling fluid (low tox)
Equipment Failure		hydraulic oil
Unknown		diesel
Unknown		lube oil
Unknown		Unknown oil
Equipment Failure		crude oil
Operator Error		drilling fluid (low tox)
Equipment Failure		hydraulic oil
Operator Error		diesel
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		unknown oil
Equipment Failure		condensate
Unknown		Unknown oil
Equipment Failure	Wind	crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Unknown		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		crude
Other		hydraulic oil
Other		other oil
Equipment Failure		other oil
Equipment Failure		produced water w crude
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Unknown		unknown
Other		chemicals
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Unknown		fuel oil
Operator Error		diesel
Equipment Failure		hydraulic oil

Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Equipment Failure		heating oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Operator Error		diesel
Hurricane	Hurricane	crude oil
Hurricane	Hurricane	crude oil
Unknown		crude oil
Unknown		unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Other		condensate
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Unknown		unknown oil
Unknown		unknown
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		methane
Equipment Failure		crude
Equipment Failure		hydraulic oil
Equipment Failure		crude
Unknown		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		diesel
Equipment Failure		hydraulic oil
Other		absorbant pads
Equipment Failure		diesel
Operator Error		crude oil
Equipment Failure		diesel
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil

Unknown		Unknown oil
Unknown		Unknown oil
Other		lube oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		diesel
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		diesel
Equipment Failure		hydraulic oil
Other		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Operator Error		asbestos
Unknown		crude oil
Equipment Failure		drilling fluid (water based)
Unknown		Unknown oil
Unknown		Unknown oil
Natural Phenomenon	Wind	gear oil
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	other oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		hydraulic oil
Unknown		Unknown oil
Other		drilling fluid (synthetic)
Operator Error		paint
Equipment Failure		crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Operator Error		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		condensate
Unknown		Unknown oil
Equipment Failure		hydraulic oil

Equipment Failure		crude oil
Operator Error		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		diesel
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Other		other oil
Equipment Failure		hydraulic oil
Equipment Failure		Hydraulic oil
Equipment Failure		hydraulic oil
Unknown		crude
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		methanol
Unknown		Unknown oil
Operator Error		diesel
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Operator Error		crude oil
Equipment Failure		crude oil
Operator Error		diesel
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		crude oil
Equipment Failure		condensate
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		oil/water mix
Operator Error		paint
Equipment Failure		crude oil
Other		hydraulic oil
Equipment Failure		condensate
Equipment Failure		crude oil
Other		diesel
Unknown		Unknown oil

Unknown		Unknown oil
Equipment Failure		unknown oil
Other		methanol
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		unknown oil
Equipment Failure		drilling fluid (low tox)
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Other		diesel
Equipment Failure		crude
Equipment Failure		condensate
Equipment Failure		Diesel
Natural Phenomenon	Heavy Rain	crude
Unknown		Unknown oil
Other		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		Condensate
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Operator Error		lube oil
Other		syn drilling fluid
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		produced water
Equipment Failure		motor oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Other		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		condensate
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Other		lube oil
Unknown		Unknown oil
Equipment Failure		lube oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		paraffin inhibitor
Unknown		Unknown oil

Operator Error		hydraulic oil
Other		crude
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		oily water
Equipment Failure		condensate
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		syn drilling fluid
Equipment Failure		condensate
Unknown		crude
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Other		unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		other oil
Hurricane	Hurricane	crude oil
Operator Error		crude oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Natural Gas
Unknown		Unknown oil
Unknown		unknown clear fluid
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		crude oil
Operator Error		crude oil

Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		unknown oil
Unknown		unknown oil
Equipment Failure		crude oil
Equipment Failure		motor oil
Equipment Failure		crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	other oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		unknown oil
Unknown		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		crude oil
Equipment Failure		drilling fluid (synthetic)
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		unknown oil
Equipment Failure		unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		other oil

Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		drilling brine
Unknown		condensate
Unknown		crude oil
Equipment Failure		crude oil
Equipment Failure		unknown oil
Natural Phenomenon		unknown oil
Hurricane	Hurricane	crude oil
Unknown		natural gas
Unknown		unknown oil
Unknown		Unknown oil
Equipment Failure		unknown oil
Operator Error		crude oil and completion fluid
Unknown		unknown
Unknown		Natural gas
Unknown		unknown oil
Unknown		Unknown
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		other oil
Equipment Failure		diesel
Hurricane	Hurricane	crude oil
Other		unknown oil
Equipment Failure		hydraulic oil
Unknown		hydraulic oil
Equipment Failure		ethylene glycol
Unknown		condensate
Unknown		Unknown oil
Unknown		unknown oil
Unknown		Natural gas
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		unknown oil
Unknown		Unknown oil
Other		condensate

Other		crude oil
Unknown		Unknown oil
Equipment Failure		crude iol
Other		crude oil
Unknown		unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		drilling fluid (low tox)
Natural Phenomenon	Heavy Rain	crude oil
Unknown		Unknown oil
Unknown		unknown oil
Other		other oil
Other		crude oil
Natural Phenomenon	Heavy Rain	crude oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Operator Error		unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		natural gas
Equipment Failure		other oil
Equipment Failure		crude
Equipment Failure		crude
Other		crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		crude
Unknown		Unknown oil
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Unknown		Unknown oil
Equipment Failure		other oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		Crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		motor oil

Equipment Failure		crude
Unknown		unknown oil
Unknown		Unknown oil
Other		unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Other		crude oil
Equipment Failure		crude oil
Unknown		unknown oil
Equipment Failure		condensate
Unknown		Unknown oil
Operator Error		oily water
Equipment Failure		unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		Crude oil
Equipment Failure		pickling fluid
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		oil and water
Unknown		unknown oil
Equipment Failure		crude and hydraulic oil
Unknown		Unknown oil
Other		drilling fluid (low tox)
Unknown		Unknown oil
Equipment Failure		drilling fluid (low tox)
Equipment Failure		hydraulic oil
Equipment Failure		condensate
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Equipment Failure		calcium bromide
Unknown		ethylene glycol
Equipment Failure		crude
Equipment Failure		crude
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Other		crude
Unknown		Unknown oil

Equipment Failure		hydraulic oil
Other		Unknown
Equipment Failure		crude
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		methanol
Unknown		gas bubbles
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Operator Error		other oil
Unknown		unknown oil
Operator Error		other oil
Operator Error		other oil
Unknown		crude oil
Operator Error		other oil
Equipment Failure		ethylene glycol
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		unknown oil
Operator Error		crude oil
Unknown		Unknown oil
Equipment Failure		well fluid
Unknown		unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		gear oil
Equipment Failure		crude oil
Unknown		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		unknown oil
Equipment Failure		diesel
Unknown		drilling fluid (syn) and brine
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		oily water
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil

Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		crude
Hurricane	Hurricane	crude oil
Natural Phenomenon	Heavy Rain	unknown oil
Equipment Failure		unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude
Unknown		diesel
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		gear oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		hydraulic oil
Unknown		crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		natural gas

Unknown		crude oil
Other		hydraulic oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Natural Phenomenon		other oil
Other		crude
Unknown		crude
Unknown		crude
Equipment Failure		hydraulic oil
Equipment Failure		crude
Unknown		Unknown oil
Equipment Failure		unknown oil
Unknown		Unknown oil
Equipment Failure		unknown oil
Unknown		crude
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		unknown oil
Unknown		Unknown oil
Equipment Failure		motor oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Other		unknown oil
Unknown		Unknown oil
Equipment Failure		chemicals
Unknown		Unknown oil
Equipment Failure		motor oil
Equipment Failure		condensate
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		unknown oil
Equipment Failure		crude oil
Natural Phenomenon		lube oil
Equipment Failure		crude oil
Equipment Failure		condensate
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		ethylene glycol
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil

Unknown		diesel
Unknown		Unknown oil
Operator Error		crude oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		condensate
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Other		crude
Other		methanol
Equipment Failure		drilling fluid (low tox)
Equipment Failure		transmission fluid
Equipment Failure		other oil
Hurricane		crude
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Other		condensate
Unknown		Unknown oil
Unknown		seawater
Unknown		crude
Equipment Failure		
Unknown		Unknown oil
Other		unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		crude
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		condensate
Unknown		Unknown oil
Other		crude
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		ethylene glycol
Unknown		crude oil
Hurricane	Hurricane	crude oil
		NRC_NUM
		1154187

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1160414
1160426
1160433
1160461

RELEASED_CATEGORY	SHEEN_COLOR	VOLUME_GALLONS
Unknown	slightly colored	0.17
Produced Hydrocarbons	other	22.56
Unknown	silvery	0.01
Drilling Fluids		33.6
Manufactured Hydrocarbons		20
Produced Hydrocarbons	silvery	1.75
Produced Hydrocarbons	silvery	0.01
Produced Hydrocarbons	silvery	0.003
Manufactured Hydrocarbons		5
Produced Hydrocarbons	silvery	4.61
Manufactured Hydrocarbons		1
Manufactured Hydrocarbons		0.03125
Produced Hydrocarbons		8.85
Produced Hydrocarbons	silvery	0.00017
Unknown	rainbow	0
Unknown	silvery	6.25
Produced Hydrocarbons		30
Produced Hydrocarbons	silvery	3.8
Produced Hydrocarbons		0.05625
Manufactured Hydrocarbons	barely discernable	0.015
Produced Hydrocarbons	silvery	0
Produced Hydrocarbons	barely discernable	5
Manufactured Hydrocarbons		0.25
Unknown		
Produced Hydrocarbons	barely discernable	4.3
Produced Hydrocarbons	barely discernable	19.28
Unknown	silvery	1.14
Unknown	rainbow	200
Manufactured Hydrocarbons		0.25
Produced Hydrocarbons	rainbow	133.76
Manufactured Hydrocarbons		0.75
Produced Hydrocarbons	silvery	0.0625
Manufactured Hydrocarbons		0.175
Unknown	b disc	50
Produced Hydrocarbons	b disc	89.7
Unknown	b disc	0.008
Produced Hydrocarbons	rainbow	0.043
Produced Hydrocarbons	b disc	0.24
Unknown	dull	0.01
Produced Hydrocarbons		
Produced Hydrocarbons	b disc	79.42
Manufactured Hydrocarbons		0.25
Produced Hydrocarbons	b disc	0.002
Unknown	faint	0.1
Produced Hydrocarbons	b disc	49
Manufactured Hydrocarbons		1.1

Manufactured Hydrocarbons		1
Unknown		
Produced Hydrocarbons	b disc	54.93
Produced Hydrocarbons		
Manufactured Hydrocarbons		0.1
Unknown	rainbow	0.1
Unknown	b disc	0.22
Produced Hydrocarbons	rainbow	0.25
Produced Hydrocarbons	b disc	1143.94
Unknown		
Produced Hydrocarbons	b disc	0.01
Manufactured Hydrocarbons		0.1
Unknown		
Unknown	rainbow	400
Produced Hydrocarbons	b disc	72.34
Produced Hydrocarbons	b disc	23.52
Unknown	b disc	31.25
Produced Hydrocarbons	b disc	0.012
Unknown	rainbow	
Unknown	rainbow	0.11
Produced Hydrocarbons	barely discernable	417.21
Unknown	unknown	12.5
Manufactured Hydrocarbons		0.35
Produced Hydrocarbons	barely discernable	91.07
Produced Hydrocarbons		
Produced Hydrocarbons	barely discernable	2.57
Unknown	silvery	0.13
Produced Hydrocarbons	barely discernable	3.93
Manufactured Hydrocarbons		4
Unknown	faint colors	0
Produced Hydrocarbons	rainbow	0.11
Produced Hydrocarbons	silvery	1.28
Produced Hydrocarbons		0.0625
Produced Hydrocarbons		0.91
Produced Hydrocarbons	other	17.7
Produced Hydrocarbons	barely discernable	2.15
Manufactured Hydrocarbons		0.0625
Produced Hydrocarbons	barely discernable	7
Unknown	grayish	0
Produced Hydrocarbons	silvery	14.99
Produced Hydrocarbons	barely discernable	2.62
Manufactured Hydrocarbons		1
Produced Hydrocarbons	barely discernable	6.18
Produced Hydrocarbons	rainbow	0.021
Produced Hydrocarbons	barely discernable	2.04
Unknown	silvery	25
Manufactured Hydrocarbons		0.5

Produced Hydrocarbons	silvery	0.25
Produced Hydrocarbons	b disc	0.86
Produced Hydrocarbons	b disc	0.83
Manufactured Hydrocarbons	rainbow	0.2
Manufactured Hydrocarbons	silvery	0.00081
Produced Hydrocarbons	silvery	3.19
Manufactured Hydrocarbons	silvery	5
Produced Hydrocarbons	b disc	3.95
Manufactured Hydrocarbons		5
Produced Hydrocarbons		
Produced Hydrocarbons	silvery	1.63
Unknown	silvery	0.04
Produced Hydrocarbons	silvery	0.01
Manufactured Hydrocarbons		1
Produced Hydrocarbons	silvery	0.00036
Produced Hydrocarbons	silvery	1135
Produced Hydrocarbons	90% silvery, 10% rainbow	0
Manufactured Hydrocarbons		0.4
Manufactured Hydrocarbons		0.03125
Unknown	dark black	
Produced Hydrocarbons	barely discernable	9.32
Manufactured Hydrocarbons		0.25
Manufactured Hydrocarbons		0.03125
Manufactured Hydrocarbons	rainbow	0.0078
Manufactured Hydrocarbons	silvery	0.01
Produced Hydrocarbons	rainbow	5
Chemicals		
Produced Hydrocarbons	barely discernable	5.03
Manufactured Hydrocarbons	barely discernable	0
Manufactured Hydrocarbons		
Produced Hydrocarbons	barely discernable	107
Manufactured Hydrocarbons		0.09375
Manufactured Hydrocarbons		0.793
Unknown	silvery	0
Produced Hydrocarbons	barely discernable	236.5
Unknown	light black	0
Unknown		
Produced Hydrocarbons	barely discernable	0.00036
Produced Hydrocarbons	silvery	0.017
Unknown	faint colors	0.018
Manufactured Hydrocarbons	rainbow	0.0026
Unknown	barely discernable	0.0116
Produced Hydrocarbons	silvery	0.0002
Unknown	grayish	25
Unknown		
Produced Hydrocarbons	silvery	0.4031
Produced Hydrocarbons	barely discernable	51.98

Other	faint colors	0.0009
Produced Hydrocarbons	silvery	0.002
Produced Hydrocarbons		0
Manufactured Hydrocarbons		0.1
Unknown		
Produced Hydrocarbons	b disc	152.8
Manufactured Hydrocarbons	rainbow	0.5
Unknown		
Produced Hydrocarbons	faint	35.69
Unknown	b disc	0.1
Manufactured Hydrocarbons		0.87
Produced Hydrocarbons	b disc	0.33
Produced Hydrocarbons	b disc	0.1
Produced Hydrocarbons	other	0.1
Produced Hydrocarbons	b disc	17.96
Produced Hydrocarbons	b disc	0.0004
Unknown		
Chemicals		
Produced Hydrocarbons	b disc	0.27
Produced Hydrocarbons	b disc	0.02
Drilling Fluids	faint	0.75
Unknown	silvery	0.1
Manufactured Hydrocarbons		0.1
Produced Hydrocarbons	silvery	190.16
Manufactured Hydrocarbons	rainbow	0.02925
Unknown	rainbow	1
Unknown		0.25
Manufactured Hydrocarbons		0.1
Unknown	silvery	0.01
Produced Hydrocarbons		35.17
Produced Hydrocarbons		
Unknown	silvery	0.1
Unknown	brown	83.25
Produced Hydrocarbons	silvery	0.026
Produced Hydrocarbons	rainbow	0.04
Drilling Fluids		126
Unknown		
Produced Hydrocarbons		
Produced Hydrocarbons	rainbow	0.036
Drilling Fluids		
Produced Hydrocarbons	barely discernable	0.98
Chemicals	other	0.18
Manufactured Hydrocarbons		5.283
Produced Hydrocarbons		10
Produced Hydrocarbons	silvery	0.0018
Produced Hydrocarbons	barely discernable	1.71
Unknown	rainbow	

Produced Hydrocarbons	silvery	0.00027
Produced Hydrocarbons	barely discernable	8.66
Produced Hydrocarbons	silvery	1
Produced Hydrocarbons	other	0.0859
Unknown	brown	227
Produced Hydrocarbons	silvery	26.37
Unknown	rainbow	22.73
Produced Hydrocarbons	rainbow	0.002
Produced Hydrocarbons		
Produced Hydrocarbons	barely discernable	0.00006
Produced Hydrocarbons	dark black	31416
Manufactured Hydrocarbons		0.0625
Produced Hydrocarbons	rainbow	0.0269
Produced Hydrocarbons	silvery	0.125
Manufactured Hydrocarbons	silvery	0.007
Chemicals		1
Unknown	barely discernable	17.05
Produced Hydrocarbons	barely discernable	0
Produced Hydrocarbons	barely discernable	1.73
Produced Hydrocarbons	silvery	0.034
Produced Hydrocarbons	b disc	1.59
Manufactured Hydrocarbons		0.1
Unknown	rainbow	0.1
Other	silvery	0.0538
Produced Hydrocarbons	b disc	18.78
Produced Hydrocarbons	silvery	0.96
Manufactured Hydrocarbons	b disc	3
Produced Hydrocarbons	silvery	3.3
Produced Hydrocarbons	b disc	0.005
Manufactured Hydrocarbons		0.01
Produced Hydrocarbons	rainbow	0.02
Unknown		0.1
Manufactured Hydrocarbons		0.5
Produced Hydrocarbons	b disc	3.33
Manufactured Hydrocarbons		0.5
Produced Hydrocarbons	silvery	0.08
Produced Hydrocarbons	silvery	0.3
Produced Hydrocarbons	silvery	43.96
Unknown	silvery	3.13
Unknown		
Produced Hydrocarbons		
Manufactured Hydrocarbons		1.85
Unknown	barely discernable	0.03
Manufactured Hydrocarbons	silvery	2.11338
Unknown	barely discernable	
Produced Hydrocarbons	silvery	0.71
Unknown	silvery	0.01

Manufactured Hydrocarbons		0.264
Produced Hydrocarbons	barely discernable	19.37
Drilling Fluids	brown	0.59
Manufactured Hydrocarbons		0.026
Produced Hydrocarbons	barely discernable	43.53
Drilling Fluids		
Produced Hydrocarbons	barely discernable	92.94
Produced Hydrocarbons	barely discernable	0.67
Chemicals		0.00156
Unknown		0.0078
Unknown		
Unknown	silvery	1.08
Unknown	silvery	0.01
Unknown	barely discernable	0.01
Unknown	silvery	75
Produced Hydrocarbons	barely discernable	48
Unknown	silvery	0
Produced Hydrocarbons	rainbow	5.6
Produced Hydrocarbons	silvery	0.57
Unknown		1
Unknown	silvery	50
Produced Hydrocarbons	silvery	31.61
Manufactured Hydrocarbons		52.04
Unknown	faint colors	0.03
Produced Hydrocarbons	barely discernable	0.23
Produced Hydrocarbons	barely discernable	1.41
Produced Hydrocarbons	rainbow	0.008
Produced Hydrocarbons	barely discernable	0.01
Unknown	rainbow	200
Unknown		0.0078
Produced Hydrocarbons	barely discernable	2.36
Unknown	silvery	0.01
Manufactured Hydrocarbons		
Manufactured Hydrocarbons		1
Unknown	silvery	6.46
Unknown	silvery	0.1
Produced Hydrocarbons	b disc	2.92
Produced Hydrocarbons	silvery	0.1
Produced Hydrocarbons	silvery	0.01
Other	silvery	0.81
Produced Hydrocarbons	b disc	9.2
Produced Hydrocarbons	silvery	3.6
Unknown	silvery	4.26
Produced Hydrocarbons	b disc	57
Produced Hydrocarbons	silvery	0.00807
Produced Hydrocarbons		0.76
Produced Hydrocarbons	silvery	126.82

Solid Waste		
Unknown	b disc	0.01
Unknown	rainbow	1
Produced Hydrocarbons		179.35
Unknown		2.8
Produced Hydrocarbons		1
Unknown	silvery	1
Manufactured Hydrocarbons	silvery	0.1
Drilling Fluids	brown	0.09
Other		2
Unknown		
Produced Hydrocarbons	silvery	139.35
Manufactured Hydrocarbons	rainbow	1.14
Manufactured Hydrocarbons		0.06
Produced Hydrocarbons	barely disernable	11.46
Produced Hydrocarbons	barely discernable	1.5
Unknown	silvery	0
Manufactured Hydrocarbons		1.32
Unknown	unknown	
Produced Hydrocarbons	brightly colored	0.7667
Produced Hydrocarbons	barely discernable	0.68
Unknown	unknown	
Produced Hydrocarbons	silvery	1.05
Produced Hydrocarbons	silvery	19.2
Produced Hydrocarbons	silvery	42
Produced Hydrocarbons	silvery	41.24
Produced Hydrocarbons	colored	0.32642
Produced Hydrocarbons	barely discernable	46
Drilling Fluids	lt brown	0.004
Produced Hydrocarbons	rainbow	0.0043
Unknown	silvery	0.01
Produced Hydrocarbons	b disc	329
Chemicals	silvery	1
Produced Hydrocarbons	rainbow	0.0012
Produced Hydrocarbons	other	1.2
Unknown	barely discernable	0
Produced Hydrocarbons	barely discernable	19
Chemicals		4
Produced Hydrocarbons	barely discernable	
Unknown	rainbow	
Produced Hydrocarbons	barely discernable	1.19
Produced Hydrocarbons	barely discernable	1.15
Produced Hydrocarbons	barely discernable	0
Unknown	faint	0.1
Manufactured Hydrocarbons	rainbow	0.3228
Produced Hydrocarbons	b disc	3.76
Unknown	b disc	0.18

Produced Hydrocarbons	silvery	0.7
Produced Hydrocarbons	b disc	5.32
Chemicals		8000
Other	other	10
Chemicals	b disc	1
Chemicals	barely discernable	1
Produced Hydrocarbons	silvery	50
Unknown	silvery	0.02
Manufactured Hydrocarbons	barely discernable	39.63
Produced Hydrocarbons	silvery	12
Produced Hydrocarbons	faint colors	0.004
Produced Hydrocarbons	barely discernable	2.74
Manufactured Hydrocarbons	other	1
Manufactured Hydrocarbons		3
Unknown		
Produced Hydrocarbons	silvery	2.5
Unknown		
Produced Hydrocarbons	b disc	13.31
Unknown		
Produced Hydrocarbons	b disc	0.1
Manufactured Hydrocarbons		0.28125
Manufactured Hydrocarbons	silvery	0.05
Produced Hydrocarbons	silvery	2.5
Produced Hydrocarbons	silvery	2.53
Produced Hydrocarbons	barely discernable	5.63
Chemicals		
Produced Hydrocarbons	silvery	3.8
Unknown	b disc	0.1
Manufactured Hydrocarbons	brown	5
Produced Hydrocarbons		0.86
Manufactured Hydrocarbons		0.25
Drilling Fluids		5
Produced Hydrocarbons	bright	1.36
Produced Hydrocarbons	silvery	1.55
Manufactured Hydrocarbons	silvery	0.01
Manufactured Hydrocarbons	silvery	0.01
Manufactured Hydrocarbons		0.25
Produced Hydrocarbons	barely discernable	47.58
Produced Hydrocarbons	silvery	0.72
Produced Hydrocarbons		0.07
Produced Hydrocarbons	silvery	85.7
Produced Hydrocarbons	silvery	2
Unknown	barely discernable	0
Unknown	silvery	0
Unknown	barely discernable	0
Unknown	silvery	0.16
Chemicals	silvery	0.22

Produced Hydrocarbons		0.01
Unknown	silvery	0.05
Unknown	grayish	0
Other	silvery	0.007
Produced Hydrocarbons	barely discernable	390.73
Unknown		
Chemicals		14700
Unknown	silvery	1.42
Drilling Fluids		1
Manufactured Hydrocarbons	rainbow	0.1
Produced Hydrocarbons	b disc	70.18
Unknown	silvery	1.42
Manufactured Hydrocarbons		0.125
Manufactured Hydrocarbons		0.03
Produced Hydrocarbons	b disc	0.01
Drilling Fluids	brown	0.31
Produced Hydrocarbons	silvery	23.19
Unknown	b disc	0.01
Chemicals	silvery	0.125
Unknown	silvery	0.04
Produced Hydrocarbons	silvery	0.001
Solid Waste		
Chemicals		0.0625
Produced Hydrocarbons	rainbow	0
Chemicals	grayish	1
Produced Hydrocarbons	silvery	135.17
Produced Hydrocarbons	rainbow	0.06
Produced Hydrocarbons	rainbow	0.18
Manufactured Hydrocarbons		1
Unknown	grayish	0.03
Manufactured Hydrocarbons		0.19813
Produced Hydrocarbons		
Produced Hydrocarbons		
Produced Hydrocarbons	b disc	702.98
Manufactured Hydrocarbons		5
Drilling Fluids		40
Produced Hydrocarbons	silvery	0.32
Manufactured Hydrocarbons		0.125
Unknown	rainbow	17.9
Produced Hydrocarbons	faint	0.65
Manufactured Hydrocarbons	rainbow	0.25
Unknown		25.57
Chemicals	silvery	0.1
Produced Hydrocarbons	b disc	0.1
Unknown		
Produced Hydrocarbons	silvery	0.0005
Unknown		0

Produced Hydrocarbons	silvery	27.15
Unknown	b disc	0.01
Produced Hydrocarbons	silvery	0.002
Produced Hydrocarbons	b disc	130.86
Unknown	rainbow	1.89
Produced Hydrocarbons	barely discernable	53.71
Solid Waste		0
Produced Hydrocarbons	silvery	336
Chemicals	barely discernable	0
Unknown	barely discernable	0.57
Unknown	silvery	0.001
Manufactured Hydrocarbons	silvery	0.02
Produced Hydrocarbons		
Produced Hydrocarbons	barely discernable	332.64
Manufactured Hydrocarbons		1.32
Produced Hydrocarbons	silvery	0.0017
Manufactured Hydrocarbons		3.96
Unknown	rainbow	0.01
Produced Hydrocarbons		77.9
Produced Hydrocarbons	b disc	0.02
Produced Hydrocarbons	silvery	0.01
Chemicals		968
Unknown	silvery	0.14
Unknown		
Produced Hydrocarbons	silvery	0.02
Produced Hydrocarbons	silvery	50.58
Unknown	silvery	0
Drilling Fluids		0.5
Manufactured Hydrocarbons	rainbow	4.42
Produced Hydrocarbons	rainbow	0.12
Produced Hydrocarbons	silvery	0
Produced Hydrocarbons	rainbow	0.021
Produced Hydrocarbons	silvery	0.169
Produced Hydrocarbons	silvery	0.096
Manufactured Hydrocarbons	unknown	0.0156
Unknown	silvery	2.37
Produced Hydrocarbons	barely discernable	0.003
Unknown	other	
Produced Hydrocarbons	silvery	1
Produced Hydrocarbons	silvery	110.91
Produced Hydrocarbons	rainbow	20
Unknown	silvery	
Unknown	other	7.13
Produced Hydrocarbons		
Produced Hydrocarbons	rainbow	0.002
Unknown	silvery	0.01
Unknown	whitish	0

Produced Hydrocarbons	silvery	2.95
Unknown	reddish	500
Unknown	silvery	1
Unknown	silvery	0.1
Unknown	rainbow	1.42
Produced Hydrocarbons	b disc	301
Produced Hydrocarbons	silvery	0.125
Manufactured Hydrocarbons		3
Unknown	grayish	1
Unknown	b disc	9.47
Chemicals	silvery	0.05
Drilling Fluids		0.25
Produced Hydrocarbons	silvery	223.33
Manufactured Hydrocarbons		0.1
Other	b disc	5
Produced Hydrocarbons	silvery	1
Manufactured Hydrocarbons	whitish	1
Produced Hydrocarbons	barely discernable	0.0176
Unknown	faint colors	0.096
Produced Hydrocarbons	barely discernable	0.89
Manufactured Hydrocarbons		420
Unknown		20
Unknown	silvery	0.02
Produced Hydrocarbons	barely discernable	19.98
Unknown	silvery	18.75
Produced Hydrocarbons		
Drilling Fluids	silvery	0.1
Manufactured Hydrocarbons		
Unknown	barely discernable	163.57
Produced Hydrocarbons	barely discernable	44.34
Manufactured Hydrocarbons		0.5
Unknown	barely discernable	0.01
Produced Hydrocarbons	silvery	0.04484
Manufactured Hydrocarbons		
Produced Hydrocarbons	silvery	0.125
Manufactured Hydrocarbons	silvery	0.21
Produced Hydrocarbons	barely discernable	0.00009
Produced Hydrocarbons	silvery	0.11
Unknown	Barely discernable	0.003
Unknown	rainbow	1.89
Unknown		
Produced Hydrocarbons	silvery	0.033
Manufactured Hydrocarbons		1.9
Manufactured Hydrocarbons	silvery	0.66
Produced Hydrocarbons	barely discernable	396.05
Unknown	rainbow	
Produced Hydrocarbons	barely discernable	0.09

Manufactured Hydrocarbons		1
Produced Hydrocarbons	b disc	12
Produced Hydrocarbons	Solvery	0.1
Manufactured Hydrocarbons		20
Produced Hydrocarbons	rainbow	1
Unknown	other	1
Produced Hydrocarbons	rainbow	0.065
Manufactured Hydrocarbons	b disc	0.0004
Manufactured Hydrocarbons	rainbow	0.01
Produced Hydrocarbons	other	138.54
Unknown	rainbow	
Unknown	rainbow	3.03
Unknown	rainbow	
Unknown	gray	0.5
Unknown	silvery	0.02
Unknown	barely discernable	0.47
Produced Hydrocarbons	silvery	0.126
Produced Hydrocarbons	silvery	17.52
Unknown	silvery	0.0002
Produced Hydrocarbons	silvery	5
Produced Hydrocarbons		0.0144
Unknown		
Produced Hydrocarbons	barely discernable	0.0001
Unknown	barely discernable	0.02
Produced Hydrocarbons	silvery	0.0032
Produced Hydrocarbons	barely discernable	289.13
Produced Hydrocarbons		
Manufactured Hydrocarbons	barely discernable	0.5
Produced Hydrocarbons	barely discernable	1.8
Produced Hydrocarbons	rainbow	0
Produced Hydrocarbons	silvery	2.94
Produced Hydrocarbons	silvery	0.00134
Unknown	barely discernable	0.59
Produced Hydrocarbons	barely discernable	8.1
Manufactured Hydrocarbons	Rainbow	0.0625
Manufactured Hydrocarbons	unknown	0.0234
Manufactured Hydrocarbons		
Unknown	blueish	0
Unknown	barely discernable	
Drilling Fluids		7
Unknown	rainbow	0
Unknown	rainbow	3.79
Manufactured Hydrocarbons	silvery	0.001
Manufactured Hydrocarbons	rainbow	0.06
Manufactured Hydrocarbons	silvery	0.125
Manufactured Hydrocarbons		0.528
Manufactured Hydrocarbons	b disc	0.00054

Produced Hydrocarbons		0.01
Produced Hydrocarbons	b disc	80.62
Manufactured Hydrocarbons	b disc	0.002
Unknown		
Produced Hydrocarbons		15
Manufactured Hydrocarbons		0.0078
Manufactured Hydrocarbons	grayish	0.001
Produced Hydrocarbons	silvery	6.56
Unknown	brown	23.89
Manufactured Hydrocarbons		0.03
Unknown	silvery	0.25
Unknown	silvery	9.94
Unknown		
Unknown	barely discernable	0.02
Produced Hydrocarbons	silvery	0.007
Produced Hydrocarbons		0
Unknown	other	
Produced Hydrocarbons	barely discernable	64.46
Unknown		
Produced Hydrocarbons	silvery	0
Produced Hydrocarbons	silvery	0.002
Produced Hydrocarbons	silvery	0.11
Unknown		
Unknown	brown	56.76
Produced Hydrocarbons		1
Drilling Fluids	brown	0.5
Manufactured Hydrocarbons		2
Manufactured Hydrocarbons		2
Manufactured Hydrocarbons		0.25
Manufactured Hydrocarbons	silvery	0.1
Unknown	silvery	0.5
Unknown	silvery	0.1
Unknown	silvery	2.84
Produced Hydrocarbons	other	79
Produced Hydrocarbons		21
Unknown	silvery	0.1
Manufactured Hydrocarbons		0.07
Other	silvery	0.28
Other	silvery	0.1
Unknown	b disc	
Manufactured Hydrocarbons		0.25
Manufactured Hydrocarbons	rainbow	0.1
Drilling Fluids		1
Manufactured Hydrocarbons		0.1
Produced Hydrocarbons	b disc	0.056
Produced Hydrocarbons	silvery	0.00179
Produced Hydrocarbons	b disc	

Unknown	silvery	0.1
Produced Hydrocarbons	silvery	52.94
Unknown	silvery	0
Unknown	rainbow	22.73
Drilling Fluids	unknown	5
Manufactured Hydrocarbons	grayish	0.0625
Manufactured Hydrocarbons	silvery	0
Manufactured Hydrocarbons		
Unknown	silvery	0
Produced Hydrocarbons	silvery	0.01
Drilling Fluids		4
Manufactured Hydrocarbons	silvery	0.05
Manufactured Hydrocarbons	rainbow	0.016
Unknown	other	0
Produced Hydrocarbons	barely discernable	9.18
Unknown	barely discernable	0.58
Unknown	rainbow	
Manufactured Hydrocarbons		0.00781
Manufactured Hydrocarbons		0.0156
Unknown	rainbow	0
Produced Hydrocarbons	silvery	0
Unknown	unnknown	0.45
Produced Hydrocarbons	silvery	0
Produced Hydrocarbons	rainbow	0.0693
Unknown	silvery	0.07
Produced Hydrocarbons	other	26.87
Produced Hydrocarbons	silvery	0.15
Manufactured Hydrocarbons	rainbow	0.0078
Manufactured Hydrocarbons		1.5
Unknown	whitish	
Unknown	other	0.1
Unknown	silvery	0.1
Produced Hydrocarbons	silvery	0.53
Manufactured Hydrocarbons		1
Other		0.0034
Other	b discen	0.4
Produced Hydrocarbons	rainbow	0.1
Produced Hydrocarbons	rainbow	0.6
Produced Hydrocarbons	b disc	82.59
Unknown	silvery	
Chemicals	silvery	0.0013
Unknown	silvery	150
Manufactured Hydrocarbons	barely discernable	0
Produced Hydrocarbons	rainbow	2
Manufactured Hydrocarbons		9
Manufactured Hydrocarbons		
Manufactured Hydrocarbons	silvery	0.00172

Produced Hydrocarbons	silvery	100
Produced Hydrocarbons	b disc	0.05
Manufactured Hydrocarbons		0.0781
Manufactured Hydrocarbons	other	
Manufactured Hydrocarbons		2
Produced Hydrocarbons	silvery	187.5
Produced Hydrocarbons	barely discernable	0.05
Manufactured Hydrocarbons	rainbow	0.0127
Produced Hydrocarbons	silvery	850
Produced Hydrocarbons	silvery	70.21
Produced Hydrocarbons	silvery	0.05
Unknown	other	0.02
Unknown		
Produced Hydrocarbons	silvery	0.36
Produced Hydrocarbons	barely discernable	5.89
Manufactured Hydrocarbons		0.047
Produced Hydrocarbons		0.004
Unknown		
Produced Hydrocarbons	silvery	0.27
Manufactured Hydrocarbons	b disc	0.5
Unknown		
Produced Hydrocarbons		0.1
Produced Hydrocarbons	b disc	11.53
Manufactured Hydrocarbons		0.125
Unknown	faint	0.675
Unknown		
Unknown	rainbow	9.47
Unknown	silvery	1.42
Produced Hydrocarbons		
Produced Hydrocarbons	rainbow	0.1
Manufactured Hydrocarbons		0.1
Produced Hydrocarbons	silvery	0.1
Produced Hydrocarbons	dark/rainbow/silvery/barely disc.	88200
Produced Hydrocarbons	silvery	270.52
Unknown	rainbow	5000
Manufactured Hydrocarbons		0.1
Unknown		
Produced Hydrocarbons		0.004
Manufactured Hydrocarbons	silvery	0.02
Manufactured Hydrocarbons	barely discernable	0.00027
Solid Waste		0
Manufactured Hydrocarbons	rainbow	0.0078
Produced Hydrocarbons	faint colors	0.14
Manufactured Hydrocarbons	silvery	0.024
Unknown	silvery	0.01
Unknown	silvery	70
Unknown		

Unknown		
Unknown		
Manufactured Hydrocarbons	barely discernable	0.125
Unknown		
Produced Hydrocarbons	silvery	190.29
Manufactured Hydrocarbons	silvery	0.004
Manufactured Hydrocarbons		0.4
Unknown		
Produced Hydrocarbons	barely discernable	0.03
Unknown	barely discernable	
Unknown	brown	
Produced Hydrocarbons	silvery	0.95
Manufactured Hydrocarbons	silvery	0.0003
Produced Hydrocarbons	rainbow	21
Unknown	silvery	
Unknown	rainbow	1.29
Unknown	silvery	0.12
Produced Hydrocarbons	barely discernable	9.24
Solid Waste		0
Produced Hydrocarbons	rainbow	4.26
Drilling Fluids		1
Unknown	silvery	0
Unknown	silvery	0
Manufactured Hydrocarbons	barely discernable	0.00003
Unknown	silvery	0.71
Manufactured Hydrocarbons	barely discernable	0.01
Unknown	silvery	262.5
Unknown	barely discernable	0.16
Manufactured Hydrocarbons		10
Produced Hydrocarbons	barely discernable	337
Unknown	unknown	
Unknown	unknown	
Unknown	barely discernable	12.5
Manufactured Hydrocarbons		4.62
Unknown	rainbow	
Drilling Fluids		42
Chemicals	silvery	0
Produced Hydrocarbons	silvery	0.2772
Unknown	rainbow	0.13
Produced Hydrocarbons	other	0
Manufactured Hydrocarbons	rainbow	0.0009
Unknown	rainbow	200
Unknown	faint colors	0.73
Unknown	rainbow	0
Produced Hydrocarbons		3
Unknown	silvery	8.97
Manufactured Hydrocarbons		0.0625

Manufactured Hydrocarbons	barely discernable	0.0078
Produced Hydrocarbons	silvery	0.00546
Produced Hydrocarbons	barely discernable	17.37
Manufactured Hydrocarbons		0.125
Manufactured Hydrocarbons	silvery	4
Unknown	rainbow	
Produced Hydrocarbons		
Unknown	faint colors	0.01
Manufactured Hydrocarbons		0.03125
Manufactured Hydrocarbons	rainbow	2
Manufactured Hydrocarbons		0.125
Manufactured Hydrocarbons		0.1
Produced Hydrocarbons	silvery	0.1
Manufactured Hydrocarbons	rainbow	0.5
Produced Hydrocarbons	silvery	137.78
Unknown	b disc	0.1
Unknown	silvery	0.1
Unknown	silvery	0.08
Chemicals		1929
Unknown	rainbow	0.07
Manufactured Hydrocarbons	rainbow	0.25
Unknown	unknown	
Unknown	silvery	7.1
Manufactured Hydrocarbons		160
Produced Hydrocarbons		0.006
Produced Hydrocarbons	silvery	0.66
Manufactured Hydrocarbons		3
Unknown	rainbow	
Unknown		
Produced Hydrocarbons	barely discernable	3.7
Produced Hydrocarbons	rainbow	0
Produced Hydrocarbons	other	
Unknown		
Unknown	silvery	0.15
Unknown	silvery	0.28
Unknown	silvery	
Unknown	barely discernable	
Unknown	rainbow	0.07
Produced Hydrocarbons	unknown	1813.5
Produced Hydrocarbons		42
Chemicals		
Produced Hydrocarbons	barely discernable	0.92
Manufactured Hydrocarbons		1
Produced Hydrocarbons	barely discernable	0.24
Produced Hydrocarbons	rainbow	0.0625
Manufactured Hydrocarbons	silvery	0
Unknown	barely discernable	150

Unknown	blueish	0.54
Produced Hydrocarbons	faint colors	0.49
Chemicals		575
Unknown	silvery	71
Unknown	silvery	13
Unknown	barely discernable	0.24
Drilling Fluids		126
Unknown	silvery	0.01
Unknown	silvery	0.81
Produced Hydrocarbons	barely discernable	550.56
Unknown	silvery	0.43
Manufactured Hydrocarbons	rainbow	250
Produced Hydrocarbons	silvery	0.5
Produced Hydrocarbons	b disc	0.01
Manufactured Hydrocarbons	silvery	1.89
Produced Hydrocarbons	silvery	0.00032
Unknown	rainbow	22.73
Manufactured Hydrocarbons		0.5
Manufactured Hydrocarbons		0.1
Unknown		
Produced Hydrocarbons		0.21
Unknown	silvery	0.1
Unknown	silvery	1.29
Produced Hydrocarbons	b disc	9.6
Unknown	rainbow	0.1
Manufactured Hydrocarbons	silvery	0.87
Drilling Fluids		
Unknown	gray	0.1
Unknown	silvery	0.81
Other		0.07
Manufactured Hydrocarbons		
Unknown	brown	4.3
Manufactured Hydrocarbons		1
Manufactured Hydrocarbons		2.6
Unknown	silvery	1.14
Unknown	dark	2664
Produced Hydrocarbons	silvery	257.22
Produced Hydrocarbons	faint	0.01
Unknown	rainbow	2.15
Manufactured Hydrocarbons	silvery	0.1
Manufactured Hydrocarbons		0.1
Unknown	rainbow	1.14
Manufactured Hydrocarbons		19
Unknown	rainbow	0.5
Produced Hydrocarbons		0.5
Chemicals	b disc	0.00005
Unknown	brown	0.01

Manufactured Hydrocarbons		0.1
Produced Hydrocarbons	b disc	0.41
Other	faint	0.3788
Unknown	other	0.1
Manufactured Hydrocarbons		1
Other	silvery	0.049
Produced Hydrocarbons	silvery	0.0018
Produced Hydrocarbons	silvery	71.53
Produced Hydrocarbons	silvery	0.003
Unknown		
Unknown		
Unknown	silvery	0.19
Produced Hydrocarbons	b disc	237.95
Unknown	silvery	1.42
Unknown		
Produced Hydrocarbons	other	0.0047
Unknown	silvery	0.1
Unknown	unknown	
Drilling Fluids		2
Produced Hydrocarbons	b disc	0.08
Produced Hydrocarbons	rainbow	0.15
Unknown		
Manufactured Hydrocarbons		0.25
Produced Hydrocarbons	b disc	2.26
Unknown	silvery	0.1
Unknown		0.1
Produced Hydrocarbons	rainbow	3.3
Unknown	b disc	50
Unknown	rainbow	100
Other	rainbow	0.22
Produced Hydrocarbons	silvery	41.2
Produced Hydrocarbons	rainbow	0.07
Produced Hydrocarbons	barely discernable	0.03
Produced Hydrocarbons	silvery	47.69
Unknown	silvery	0.04
Produced Hydrocarbons	rainbow	0.003
Unknown	silvery	0
Manufactured Hydrocarbons		0.03125
Unknown	rainbow	
Unknown	barely discernable	0.22
Other		0
Unknown	rainbow	114
Unknown	barely discernable	0.01
Unknown		
Produced Hydrocarbons	rainbow	4.5
Produced Hydrocarbons	silvery	0.01
Produced Hydrocarbons	barely discernable	0

Produced Hydrocarbons		105.3
Unknown	silvery	9.47
Unknown	barely discernable	0.01
Unknown	silvery	0.00143
Produced Hydrocarbons		0.0001
Manufactured Hydrocarbons	barely discernable	1
Manufactured Hydrocarbons	silvery	0.278
Unknown	silvery	0.36
Manufactured Hydrocarbons		0.5
Produced Hydrocarbons	silvery	0.13
Unknown		
Produced Hydrocarbons	silvery	0.02
Unknown	silvery	0
Unknown	rainbow	0
Unknown	silvery	18.75
Unknown	rainbow	1.43
Unknown	rainbow	0.07
Other	barely discernable	0.01
Unknown	rainbow	50
Produced Hydrocarbons	silvery	415
Unknown	rainbow	0
Produced Hydrocarbons	silvery	0.01
Unknown		
Unknown	silvery	50
Unknown	other	47.25
Unknown		
Produced Hydrocarbons	silvery	33.47
Unknown	silvery	50
Unknown	rainbow	0.06
Produced Hydrocarbons	rainbow	0.01
Manufactured Hydrocarbons		
Unknown	rainbow	7.75
Unknown		
Produced Hydrocarbons	silvery	95.52
Produced Hydrocarbons	silvery	0.00022
Unknown	silvery	25
Produced Hydrocarbons	silvery	1.619
Drilling Fluids		0.00004
Unknown	silvery	15
Produced Hydrocarbons	barely discernable	0.43
Unknown		
Unknown	rainbow	0.01
Unknown		
Produced Hydrocarbons	silvery	0.142
Manufactured Hydrocarbons		0
Unknown		
Manufactured Hydrocarbons		

Unknown	rainbow	0
Produced Hydrocarbons	barely discernable	245
Unknown		
Produced Hydrocarbons	silvery	0.06457
Manufactured Hydrocarbons		0.1
Produced Hydrocarbons	silvery	0.02
Unknown	silvery	0
Unknown	barely discernable	156.25
Chemicals	rainbow	0
Produced Hydrocarbons	silvery	5.68
Produced Hydrocarbons	unknown	0
Produced Hydrocarbons	rainbow	0.12
Unknown	barely discernable	0.034
Unknown	light brown	0.36
Produced Hydrocarbons	barely discernable	22.85
Produced Hydrocarbons		
Unknown		0
Unknown	dark black	47
Unknown	silvery	0.00005
Produced Hydrocarbons	silvery	0.031
Unknown		
Produced Hydrocarbons		
Unknown	silvery	0.1
Unknown	silvery	
Unknown	dark	0.1
Manufactured Hydrocarbons		0.75
Other	gray	0.71
Manufactured Hydrocarbons		1
Produced Hydrocarbons	b disc	16.72
Chemicals	b disc	0.0014
Manufactured Hydrocarbons		0.25
Manufactured Hydrocarbons		1.2
Chemicals	b disc	0.00224
Produced Hydrocarbons		0.01
Unknown	silvery	1050
Unknown		
Produced Hydrocarbons		
Produced Hydrocarbons	b disc	69.74
Unknown	rainbow	0.04
Unknown		
Unknown	silvery	2.84
Produced Hydrocarbons	silvery	1
Unknown	rainbow	3.59
Manufactured Hydrocarbons		0.25
Unknown	barely discernable	0
Unknown		
Produced Hydrocarbons	silvery	0.0001

Produced Hydrocarbons	silvery	0.002
Unknown	barely discernable	112.5
Produced Hydrocarbons	rainbow	0.2
Produced Hydrocarbons	barely discernable	0.0004
Unknown	dark black	16
Produced Hydrocarbons	rainbow	0.02
Produced Hydrocarbons	silvery	136
Drilling Fluids		0
Produced Hydrocarbons		
Unknown	silvery	0.01
Unknown	silvery	
Other	silvery	0.003
Produced Hydrocarbons	silvery	0.05
Produced Hydrocarbons		
Produced Hydrocarbons	silvery	1.8
Produced Hydrocarbons	silvery	750
Unknown	silvery	150
Unknown	silvery	0.02
Produced Hydrocarbons	silvery	11.36
Produced Hydrocarbons	barely discernable	10.14
Produced Hydrocarbons	black	0.01
Produced Hydrocarbons		
Produced Hydrocarbons	silvery	0.0107
Produced Hydrocarbons	b disc	0.01
Produced Hydrocarbons	b disc	0.1
Produced Hydrocarbons	b disc	0.08
Unknown	rainbow	
Unknown	brown	
Produced Hydrocarbons		
Unknown	b disc	37.5
Produced Hydrocarbons		
Produced Hydrocarbons	b disc	7.62
Produced Hydrocarbons	b disc	0.096
Unknown	silvery	23.7
Manufactured Hydrocarbons	b disc	0.01
Unknown	silvery	0.3
Unknown	gray	0.01
Produced Hydrocarbons	rainbow	5.96
Produced Hydrocarbons		
Unknown	silvery	0.01
Unknown	silvery	0.01
Unknown	silvery	25
Produced Hydrocarbons	silvery	1
Unknown		
Unknown	faint	0.01
Unknown	black	6
Manufactured Hydrocarbons	other	0.05

Produced Hydrocarbons	rainbow	0.25
Unknown		
Unknown	silvery	0.1
Unknown		
Produced Hydrocarbons	rainbow	0.016
Produced Hydrocarbons	rainbow	1596
Produced Hydrocarbons	rainbow	1.05
Produced Hydrocarbons		0.0156
Produced Hydrocarbons	dark black	0.11
Unknown	rainbow	0.02
Produced Hydrocarbons	faint colors	0.08
Unknown	silvery	0.04
Other	faint colors	5
Unknown	other	0.14
Unknown	silvery/rainbow	7.99
Unknown	barely discernable	217
Unknown	rainbow	68
Produced Hydrocarbons		0.002
Manufactured Hydrocarbons	barely discernable	0
Produced Hydrocarbons	dark black	4.648
Unknown		
Unknown	rainbow	68
Produced Hydrocarbons		0.03
Produced Hydrocarbons	silvery	1.2
Unknown	other	
Produced Hydrocarbons	barely discernable	56.9
Produced Hydrocarbons	barely discernable	0.01
Unknown		
Produced Hydrocarbons		0.634
Unknown	silvery	7.1
Drilling Fluids		0.42
Unknown		
Drilling Fluids		0.5
Manufactured Hydrocarbons		0.0023
Produced Hydrocarbons		1.5
Unknown	grayish	0
Unknown	silvery	0.002
Manufactured Hydrocarbons		15
Produced Hydrocarbons	silvery	0.207
Chemicals		415.8
Chemicals	silvery	0.01
Produced Hydrocarbons		
Produced Hydrocarbons	rainbow	0.42
Unknown	silvery	0.01
Produced Hydrocarbons	b disc	267.75
Produced Hydrocarbons	silvery	0.0017
Unknown		

Manufactured Hydrocarbons		0.1
Chemicals	rainbow	0.1
Produced Hydrocarbons	silvery	0.00807
Produced Hydrocarbons	b disc	0.00179
Produced Hydrocarbons	silvery	7.9
Produced Hydrocarbons	silvery	0.56818
Chemicals		294
Unknown		
Produced Hydrocarbons	faint	0.01
Produced Hydrocarbons	silvery	285
Unknown		2
Unknown	brown	
Unknown		3
Unknown		2
Produced Hydrocarbons	silvery	0
Other		2
Chemicals		1.5
Produced Hydrocarbons		
Unknown	barely discernable	0.14
Unknown	barely discernable	0.43
Produced Hydrocarbons	faint/silvery	284
Unknown		
Produced Hydrocarbons		
Unknown	rainbow	0.48
Chemicals	silvery	0.1177
Unknown		
Unknown	silvery	34.09
Produced Hydrocarbons	silvery	107.73
Manufactured Hydrocarbons		3
Produced Hydrocarbons		
Produced Hydrocarbons	rainbow	0.02152
Unknown	barely discernable	0
Unknown	rainbow	
Unknown	other	0.05
Produced Hydrocarbons	other	33
Unknown		14
Unknown	rainbow	
Unknown		
Manufactured Hydrocarbons		0
Drilling Fluids		5
Unknown	barely discernable	0.47
Unknown	other	
Unknown	silvery	0.97
Produced Hydrocarbons	silvery	0.02
Manufactured Hydrocarbons		0.03125
Unknown	grayish	0.14
Unknown	silvery	1.42

Unknown	barely discernable	0
Unknown		
Unknown		
Produced Hydrocarbons		20.5
Produced Hydrocarbons	(silvery)	45
Unknown	silvery	0.1
Other	silvery	0.05
Manufactured Hydrocarbons		0.75
Unknown	silvery	1.4
Unknown		
Unknown	b disc	31.25
Unknown	rainbow	5.11
Manufactured Hydrocarbons		1
Produced Hydrocarbons	b discern	216
Manufactured Hydrocarbons		0.125
Produced Hydrocarbons	b disc	0.5
Manufactured Hydrocarbons		0.01
Produced Hydrocarbons	barely discernable	0.003
Manufactured Hydrocarbons		0.00781
Produced Hydrocarbons	barely discernable	324.7
Unknown	rainbow	0.72
Unknown	brown	2.34
Produced Hydrocarbons	rainbow	9.5
Unknown	rainbow	100
Unknown	silvery	0.01
Manufactured Hydrocarbons		0.00781
Manufactured Hydrocarbons		1.5
Unknown	silvery	1250
Unknown		
Produced Hydrocarbons	unknown	
Unknown		
Manufactured Hydrocarbons	blueish	0
Manufactured Hydrocarbons		1
Unknown	barely discernable	3.2
Produced Hydrocarbons	silvery	0.5
Unknown	unknown	
Unknown	rainbow	50
Produced Hydrocarbons	silvery	4687
Unknown	barely discernable	75
Manufactured Hydrocarbons	rainbow	0.0625
Produced Hydrocarbons	silvery	0.004
Unknown		
Manufactured Hydrocarbons		1.8492
Manufactured Hydrocarbons		0.73968
Unknown	dark	458
Produced Hydrocarbons	faint colors	1.4
Produced Hydrocarbons		

Produced Hydrocarbons	silvery	1.07
Manufactured Hydrocarbons		1.3
Manufactured Hydrocarbons		0.01
Produced Hydrocarbons	b disc	42.47
Other	b disc	0.00075
Unknown	rainbow	3.79
Other	faint	0.01
Produced Hydrocarbons	silvery	0.00054
Produced Hydrocarbons	silvery	0.01
Produced Hydrocarbons	b disc	0.0021
Manufactured Hydrocarbons		2.5
Produced Hydrocarbons	rainbow	2
Unknown	rainbow	11.36
Produced Hydrocarbons	b disc	0.01
Unknown		
Produced Hydrocarbons	silvery	0.1
Produced Hydrocarbons	rainbow	0.186
Unknown	dark black	
Unknown	silvery	0.1
Unknown	b disc	1.2
Unknown	silvery	60
Manufactured Hydrocarbons	silvery	0.00054
Manufactured Hydrocarbons		0.00053
Manufactured Hydrocarbons		0.01
Manufactured Hydrocarbons		1
Unknown	silvery	0.1
Unknown	rainbow	0.1
Chemicals	b disc	0.008
Unknown	brown	600
Manufactured Hydrocarbons		
Produced Hydrocarbons	barely discernable	0.01
Produced Hydrocarbons	silvery	105.83
Manufactured Hydrocarbons	unknown	
Manufactured Hydrocarbons		0.26417
Produced Hydrocarbons	silvery	0.01
Produced Hydrocarbons	rainbow	0.125
Manufactured Hydrocarbons	rainbow	0.0214
Produced Hydrocarbons	barely discernable	0
Produced Hydrocarbons	barely discernable	1
Produced Hydrocarbons	brown	0.1
Manufactured Hydrocarbons	light brown	0.0078
Unknown	silvery	0.57
Manufactured Hydrocarbons		0.01563
Chemicals		0.01563
Unknown	silvery	2.84
Produced Hydrocarbons	silvery	144.04
Produced Hydrocarbons		0.0625

Manufactured Hydrocarbons	barely discernable	0.5
Unknown	barely discernable	6.25
Produced Hydrocarbons	barely discernable	0
Produced Hydrocarbons	silvery	0.009
Manufactured Hydrocarbons		0.132
Manufactured Hydrocarbons		0.91
Unknown		
Produced Hydrocarbons	barely discernable	0
Manufactured Hydrocarbons		0.125
Unknown		
Produced Hydrocarbons	rainbow	0.11
Produced Hydrocarbons		210
Manufactured Hydrocarbons		0.09375
Produced Hydrocarbons	silvery	1280
Produced Hydrocarbons	silvery	0.00006
Chemicals		941
Drilling Fluids		0.0625
Manufactured Hydrocarbons	silvery	0.036
Manufactured Hydrocarbons		6
Produced Hydrocarbons		
Unknown	rainbow	3.41
Manufactured Hydrocarbons	rainbow	6.25
Produced Hydrocarbons	silvery	1
Unknown	silvery	0.1
Other		42
Produced Hydrocarbons	rainbow	0.1
		3
Unknown	silvery	0.1
Produced Hydrocarbons	silvery	0.1
Unknown	b disc	0.03
Manufactured Hydrocarbons		0.0625
Produced Hydrocarbons	rainbow	0.968
Other	silvery	0.1
Unknown	silvery	0.01
Produced Hydrocarbons	silvery	0.01
Unknown	silvery	0.14
Produced Hydrocarbons		0.125
Unknown	light brown	500
Unknown	rainbow	3.87
Produced Hydrocarbons	barely discernable	0.0002
Produced Hydrocarbons	silvery	1610
Unknown	rainbow	0.01
Chemicals		0.0013
Produced Hydrocarbons	silvery	0.05433
Produced Hydrocarbons	silvery	60
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VOLUME_OTHER	SHEEN_LENGTH	SHEEN_LENGTH_UNTIS	SHEEN_WIDTH
Unknown (calc)	150	Yards	35
	2.9	Miles	0.4
Unknown (calc)	200	Yards	3
	1.9	Miles	1
	300	Feet	20
	250	Feet	10
	2.1		0.7
0.5 oz.			
	1.7	Miles	1.1
	10	Feet	10
calculated < 0.005 gal	0.25	Feet	0.25
	0.5	Miles	0.25
	150	Feet	30
	1.1	Miles	1
7.2 oz.			
	60	Feet	6
calculated < 0.005 gals	80	Feet	20
	10	Feet	10
unknown			
	10550	Feet	30
	2.4		0.5
calculated	4	Miles	10
calculated	2		0.5
	21.6	Miles	6.7
3 liters			
	600	Feet	60
700ml			
Unknown (calc 1.19 bbls)	4	Miles	0.5
	14.2	Miles	7.3
	300	Feet	30
	20	Feet	300
Unknown (calc)	900	Feet	300
Unknown (calc)	30	Feet	9
Unknown			
	7.6	Miles	3.4
1 quart			
	150	Feet	20
1.8 ozs	200	Feet	20
	6.4	Miles	4.2

Unknown (calc)			
	18.8	Miles	1
Unknown			
2 ozs			
Unknown (calc)	0.125	Miles	0.004
Unknown (calc)	600	Feet	400
1 quart	45	Feet	20
	15.35	Miles	3
Unknown			
	240	Feet	30
5 ml			
Unknown	7.6		
Unknown (calc)	2	Miles	1
	5.3	Miles	1.6
	12.6	Miles	1.6
Unknown (calc)	2.5	Miles	0.5
	0.25	Miles	50
Unknown (calc)	60	Feet	
Unknown (calc)	300	Feet	100
	14.9	Miles	3.6
Unknown (calc)	1	Miles	0.5
	11	Miles	3.3
unknown			
	1.3	Miles	800
Unknown (calc)	400	Yards	20
	2.3	Miles	600
Unknown (calc)	40	Feet	2
calculated	500	Feet	30
	1	Miles	200
8 oz.			
	1.2	Miles	200
	60	Feet	10
	2.5	Miles	200
8 oz.			
	4.5		0.52
calcualted < 0.005 Gals	10	Feet	8
	5574	Feet	600
	3.8	Miles	500
	1	Miles	2000
	300	Feet	10
	2.7	Miles	500
Unknown (calc)	1		0.5
2 liters			

1 qt			
	7920	Feet	300
	1.5	Miles	300
	121	Feet	15
	150	Feet	3
	1.4	Miles	500
	20	Feet	4
	1.8	Miles	600
Unknown			
	2.2	Miles	600
Unknown (calc)	1	Miles	4
Unknown (calc)	20	Feet	8
	40	Feet	5
0.0001 bbls	80	Feet	20
1.6 l			
4 oz.			
Unknown (calc)	4.5	Miles	
	1.5	Miles	0.6
1 qt			
0.5 cups	0.25	Feet	0.25
1 oz.	0.125	Feet	0.125
calculated	30	Yards	20
	10	Yards	10
unknown			
	3.1	Miles	600
calculated < 0.005 gal	200	Feet	25
unknown			
	4.7	Miles	1.5
12 oz.			
3 liters			
< 0.005 gal (calc)	2	Feet	2
	10.4	Miles	1
calculated < 0.005 gal	1	Feet	1
Unknown (calc)			
	10	Feet	10
	200	Feet	100
	100	Feet	50
2 teaspoons	0.5	Feet	0.5
	0.114	Miles	0.004
	225	Feet	15
	200	Feet	30
Unknown			
	10560	Feet	12
	10.5	Miles	2

	16	Feet	16
	9	Feet	120
0.01 liters			
Unknown (calc)			
	4.2	Miles	2
	10	Feet	10
Unknown (calc)			
	7.9	Miles	7.5
Unknown (calc)	1	Miles	20
Unknown (calc)	1.4	Miles	50
Unknown (calc)	600	Feet	200
Unknown (calc)	100	Feet	10
	8.3	Miles	0.25
	10	Feet	5
Unknown (calc)			
Unknown			
	1	Miles	50
	1500	Feet	20
Unknown (calc)	50		5
0.2 liters			
	13.9	Miles	2.2
	150	Yards	3
	50	Feet	6
8 ozs			
0.01 liter			
Unknown (calc)	35	Yards	20
	4.8	Miles	1.7
Unknown			
Unknown (calc)	300	Feet	100
Unknown (calc)	0.25	Miles	0.25
	150	Feet	50
5.16 ozs	300	Feet	25
3 bbls			
Unknown			
Unknown			
	20	Yards	100
unknown			
	1	Miles	300
	5	Miles	2
20 liters			
	100	Feet	10
	1.5	Miles	800
Unknown	1.5	Miles	

	50	Feet	3
	2.8	Miles	0.08
	6	Feet	3
11 oz.	200	Yards	600
Unknown (calc)	3	Miles	100
	1.5	Miles	0.5
Unknown (calc)	4	Miles	150
	10	Yards	100
unknown			
	100	Feet	6
738 bbls			
8 oz.			
	300	Feet	50
1 pint	20	Yards	20
	1	Miles	4
Unknown (calc)	1	Miles	600
calculated < 0.005 gals	100		2
	2.8	Miles	400
	15	Yards	35
	2.8	Miles	500
mist			
Unknown (calc)	150	Feet	50
	600	Feet	100
	9.5	Miles	0.25
	100	Yards	60
	2	Feet	0.8
	0.75	Miles	100
	300	Feet	40
1 tsp	2	Feet	1
	40	Yards	10
Unknown (calc)	100	Feet	30
	2.6	Miles	500
7 liters			
	1500	Yards	10
	0.5	Miles	100
	2.8	Miles	0.5
Unknown (calc)	0.25		0.25
unknown	3	Miles	20
unknown	0.7	Miles	800
7 liters			
Unknown (calc)	300	Feet	100
8 liters	10	Feet	10
Unknown			
	1.3	Miles	600
Unknown (calc)	150	Feet	20

1 liter			
	3.3	Miles	0.6
	40	Feet	2
0.1 liters			
	2.3	Miles	1
unknown			
	6.3	Miles	2.1
	900	Feet	300
4 tbsp			
1 oz.			
unknown			
Unknown (calc)	3000	Feet	200
Unknown (calc)	100	Feet	50
	50	Yards	50
Unknown (calc)	1.5	Miles	1
	7.5	Miles	5
less than 0.005 (calc)	2	Feet	2
	2600	Feet	300
calculated	2640	Feet	120
Unknown (calc)	2	Miles	0.5
	10	Miles	3
197 liters			
	300	Feet	30
calculated	1	Miles	48
	2.5	Miles	0.25
	13	Yards	13
	300	Feet	60
Unknown (calc)	2	Miles	0.5
1 oz			
	3	Miles	500
Unknown (calc)	100	Feet	50
unknown			
Unknown (calc)	2000	Yards	200
Unknown (calc)	300	Feet	50
	3.3	Miles	700
2 ozs	100	Feet	10
	400	Feet	120
unknown (calc)	1500	Feet	300
	2.3	Miles	1
	3	Miles	250
Unknown (calc)	0.75	Miles	200
	3.3	Miles	2
	30	Feet	100
	2.5	Miles	60
	7.8	Miles	2.7

Unknown			
Unknown (calc)	12	Feet	3
Unknown (calc)			500
	7.5	Miles	4.8
Unknown (calc)	2640	Feet	150
Unknown (calc)	100	Yards	50
Unknown (calc)	20	Feet	4
	115	Feet	33
Unknown	1000	Meters	600
	5.4	Miles	1.2
	1	Miles	30
1 cup			
	4.1	Miles	600
calculated	0.6	Miles	0.1
calculated < 0.005gal	60	Feet	40
5 liters			
Unknown	13.6		0.6
	1500	Feet	100
	1250	Feet	100
Unknown	13	Miles	0.6
	1	Miles	400
	1.6	Miles	0.5
1 barrel	1	Miles	1
	5.3	Miles	1.3
	1000	Feet	100
	5	Miles	3
	10	Feet	20
	80	Feet	5
calculated	75	Feet	50
	5.7	Miles	4
	3	Yards	1
0.9 tspn	30	Feet	10
	0.75	Miles	240
calculated < 0.005 gal	100	Feet	5
	6.2	Miles	2
unknown			
unknown			
	2.5	Miles	1000
	2	Miles	500
calculated < 0.005 gal	300	Feet	15
Unknown (calc)	4	Feet	4
	50	Yards	100
	2.2	Miles	1000
calculated	1310	Feet	150

Unknown (calc)	0.5	Miles	150
	1.7	Miles	1500
	50	Feet	20
	100	Yards	12
	100	Yards	12
calculated	1	Miles	1
Unknown (calc)	0.25	Miles	10
150 liters	10	Meters	3
	3.7	Miles	0.8
	200	Feet	10
	2.6	Miles	0.6
	2	Yards	2
unknown			
	1.4	Miles	0.3
unknown			
	3.9	Miles	2.5
Unknown	3	Miles	0.5
Unknown	50	Feet	3
36 oz.			
	500	Feet	60
	25	Yards	75
	4.1	Miles	500
	5.2	Miles	300
379 lbs			
	2.5	Miles	500
Unknown (calc)	60	Feet	150
	40	Feet	20
	1200	Feet	150
1 liter			
	1050	Feet	450
	8000	Feet	250
	2	Feet	2
	100	Feet	3
2.5 l			
	3.6	Miles	1.6
	650	Feet	300
	300	Feet	200
	5.5	Miles	1.8
	1.5	Miles	50
calculated < 0.005 gal	900	Feet	1
calculated < 0.005 gal	100	Feet	2
calculated < 0.005 gal	150	Feet	8
calculated	600	Feet	150
calculated	2500	Feet	50

	400	Feet	150
Unknown (calc)	1000	Feet	30
calculated <0.005 gal	1	Feet	1
	400	Feet	10
	7.5	Miles	3.3
Unknown (calc)	0.75		
Unknown (calc)	0.5	Miles	300
0.124 oz	8	Feet	30
	6.3	Miles	1
calculated	1	Miles	150
16 oz.			
4 ozs			
Unknown (calc)	10	Feet	3
	30	Feet	5
	1.1	Miles	4224
	50	Feet	5
1 pint	30	Feet	200
Unknown (calc)	1000	Feet	20
	10	Yards	4
unknown			
8 oz.			
0.61 tspn	20	Feet	10
	40	Yards	15
	5.2	Miles	0.8
	3.25	Miles	4
	700	Feet	100
Unknown (calc)	200	Yards	5
0.75 liters			
unknown			
unknown			
	11.9	Miles	4.1
	900	Feet	300
1 pint			
Unknown (calc)	1	Miles	1000
Unknown (calc)	400	Yards	50
0.5 liters	2	Feet	2
Unknown (calc)	3	Miles	300
Unknown (calc)	40	Feet	7
Unknown (calc)	50	Feet	10
Unknown (calc)			
	500	Feet	20
Unknown (calc)			

	3.9	Miles	1.5
	0.06	Miles	0.01
	50	Yards	20
	5.9	Miles	1.7
Unknown (calc)	1	Miles	50
	10.4	Miles	4.9
5 totes			
8 bbls	2	Miles	2
calculated < 0.005 gal	300	Feet	2
Unknown (calc)	528	Feet	120
	40	Feet	15
	300	Feet	30
unknown			
7.92 bbls	10.3	Miles	7.1
5 liters			
0.2176 oz	90	Feet	5
15 liters			
calculated	200	Feet	10
	9.1	Miles	1.8
	1	Miles	8
	450	Feet	60
22 bbls			
Unknown (calc)	4000	Feet	20
Unknown	1	Feet	
	300	Feet	40
	4.2	Miles	1.6
calculated < 0.005 gal	40	Feet	15
	4224	Feet	100
	280	Feet	110
calculated < 0.005 gals	130	Yards	2
2.75 oz.	1500	Feet	4
	200	Feet	20
	300	Yards	20
2 oz.			
Unknown (calc)	1320	Feet	1000
	20	Feet	10
Unknown			
	400	Feet	20
	9.2	Miles	3.1
	150	Feet	30
Unknown			
Unknown (calc)	53000		150
unknown			
	200	Feet	10
Unknown (calc)	100		50
calculated < 0.005 gal	50	Feet	50

	2.8	Miles	0.5
Unknown (calc)	5	Miles	1
Unknown (calc)	5	Feet	
Unknown (calc)	0.5	Feet	
Unknown (calc)	0.5	Miles	75
	7.4	Miles	2.4
	30	Feet	10
Unknown (calc)	500	Feet	100
Unknown (calc)	10	Miles	200
Unknown (calc)	1000	Feet	30
	12.9	Miles	2.3
	2	Feet	
	1000	Yards	20
	300	Feet	3
	600	Feet	30
	1	Miles	30
	950	Feet	275
10 bbls			
Unknown (calc)	150	Feet	90
	0.7	Miles	2.5
Unknown (calc)	7920	Feet	1320
unknown	2.5		0.5
	350	Feet	50
unknown	0.5	Miles	50
Unknown (calc)	60800	Feet	3000
	3.1	Miles	1
Unknown (calc)	50	Yards	20
	500	Feet	50
unknown	3		20
1 pint	100	Yards	20
	1	Miles	50
	30	Feet	1
	50	Yards	10
Unknown (calc)	300	Feet	10
calculated	0.5	Miles	100
Unknown	2	Miles	
	100	Yards	15
	100	Yards	30
	8.2	Miles	2.5
Unknown			
	450	Feet	990

4 liters			
	5.2	Miles	1
Unknown (calc)	50	Feet	50
	5	Feet	5
	25	Feet	2
Unknown (calc)	50	Feet	15
	300	Feet	30
	3	Feet	150
1 tsp	1	Feet	
	6.9	Miles	1.9
Unknown (calc)			
Unknown (calc)	2	Miles	40
Unknown (calc)	200	Yards	
Unknown (calc)	10	Yards	1
Unknown (calc)	200	Feet	50
Unknown (calc)	1	Miles	100
	300	Feet	100
	2.9	Miles	0.7
	60	Feet	2
	100	Feet	10
	30	Feet	30
Unknown (calc)			
	36	Feet	3
calculated	0.5	Miles	10
	300	Yards	6
	9.7	Miles	1.5
unknown			
	120	Feet	30
	1.9	Miles	500
Calculated < 0.005 gal	2.5	Feet	2
	0.5	Miles	660
	50	Feet	15
Unknown (calc)	0.25	Miles	500
	3.3	Miles	1500
1 cup	40	Feet	2
3 oz.	1	Feet	1
unknown			
calculated < 0.005 gal	3	Feet	3
unknown	2.8	Miles	
calculated < 0.005 gal	36	Feet	8
Unknown (calc)	1	Miles	100
	60	Feet	10
	200	Feet	40
1 pint			
2 liters			
	10	Feet	15

	15.3	Miles	0.5
	90		30
Unknown (calc)			
1 oz.			
1 tsp	25	Feet	10
	2.3	Miles	800
Unknown (calc)	1000		500
Unknown (calc)	660		215
Unknown (calc)	7	Miles	150
Unknown			
Unknown (calc)	600	Feet	30
	125	Yards	20
Unknown	30	Feet	20
	10.4	Miles	1.9
Unknown			
1 drop	10	Feet	5
0.2 oz	300		3
	25		25
Unknown			
Unknown (calc)	0.5	Miles	150
	30	Feet	4
1 liter			
0.5 tsp	50	Feet	20
Unknown (calc)	0.1	Miles	0.1
Unknown (calc)	100	Feet	40
Unknown (calc)	2	Miles	150
	2.3	Miles	1
0.5 bbls			
Unknown (calc)	20	Feet	15
	1	Miles	30
Unknown (calc)	50	Feet	10
Unknown (calc)			
1 liter			
Uknown (calc)	20	Feet	6
2 oz			
	0.1	Feet	12
	100	Feet	10
Unknown	300	Feet	100

Unknown (calc)	20	Yards	20
	6.4	Miles	1.2
calculated < 0.005 gal	30	Feet	30
Unknown (calc)	2	Miles	100
	10	Feet	10
8 oz.			
calculated < 0.005 gal	45	Feet	18
unknown			
calculated < 0.005 gal	30	Feet	30
	100	Yards	50
	300	Feet	4
calculated< 0.005 gal	5	Feet	5
	6.1	Miles	0.5
Unknown (calc)	0.77	Miles	0.03
Unknown	1.5	Miles	
2 oz.			
calculated < 0.005 gal	2	Feet	2
calculated < 0.005 gal	100	Feet	20
Unknown (calc)	10000	Feet	50
2 drops	20	Feet	10
	70	Yards	15
Unknown (calc)	320	Feet	120
	4.2	Miles	3960
	200	Yards	50
1 oz.	0.5	Feet	0.5
Unknown (calc)	100	Feet	
Unknown (calc)	1	Miles	10
Unknown	60	Feet	40
	5280	Feet	120
2 Oz			
	2	Miles	10
0.1 bbl	150	Feet	150
	200	Yards	100
	5.7	Miles	5.5
Unknown	1	Feet	
	150	Feet	10
Unknown (calc) 3.57 bbls	12	Miles	1320
calculated < 0.005 gal	200	Feet	5
	3	Miles	40
unknown			
	600	Feet	2

	6.3	Miles	1.8
Unknown (calc)	2000	Feet	30
10 oz.			
unknown	600	Feet	50
calculated	2.5	Miles	1.5
calculated	300	Feet	200
1.62 oz.	35	Feet	50
calculated	8.5	Miles	2
	5.3	Miles	0.8
	2500	Feet	30
	50	Feet	20
Unknown			
	1	Miles	80
	5.1	Miles	500
6 oz			
0.5 oz.			
Unknown			
	0.5	Miles	70
	5	Feet	10
Unknown			50
unknown (calc)	500	Feet	500
	7.2	Miles	2.9
2 cups			
	500	Feet	50
unknown			
Unknown (calc)	50	Feet	4
Unknown (calc)	0.5	Miles	300
unknown			
1 oz	50	Feet	1
8 drops			
Unknown (calc)	20	Feet	10
2,100 bbl	26	Miles	15
	9.4	Miles	6.2
Unknown (calc)	5	Miles	5
6 ozs	15	Meters	15
Unknown			
calculated	450	Feet	30
	100	Feet	3
3 pads			
1 oz.	1	Feet	1
calculated	500	Feet	80
	100	Yards	15
Unknown (calc)	250	Feet	20
Unknown (calc)	4	Miles	0.35
Unknown	6.6	Miles	1.3

Unknown	3.8	Miles	0.7
Unknown	3.8	Miles	1
1 pint	0.5	Miles	10
Unknown	40	Miles	3.9
	7.9	Miles	1.2
	100	Feet	30
1.5 qts			
Unknown			
	800	Feet	40
Unknown			
Unknown	2	Miles	
calculated	1	Miles	100
	6	Feet	5
0.5 bbls	300	Yards	30
Unknown	5	Miles	
Unknown (calc)	600	Feet	300
Unknown (calc)	0.25	Miles	50
	2.5	Miles	0.5
unknown			
calculated	1.5	Miles	25
calculated <0.005 gal	200	Feet	10
calculated < 0.005 gal	10	Yards	10
	30	Feet	10
Unknown (calc)	0.25	Miles	300
calculated	300	Feet	27
Unknown (calc)	3	Miles	1.75
Unknown (calc)	200	Yards	100
calculated	18	Miles	0.75
Unknown	2.75	Miles	0.3
Unknown	150	Feet	5
Unknown (calc)	1	Miles	0.5
Unknown			100
1 bbl			
calculated < 0.005 gal	30	Feet	10
	3200	Feet	60
Unknown (calc)	300	Feet	60
calculated < 0.005 gal	50	Feet	5
	50	Feet	10
Unknown (calc)	1	Miles	1
Unknown (calc)	300	Yards	75
calculated < 0.005 gal	1	Feet	1
Unknown (calc)	5000	Feet	1000
1 cup			

1 oz.	250	Feet	50
0.0013 bbl	225	Feet	50
	1.8	Miles	0.75
1 pint	0.5	Feet	
Unknown			
unknown	9	Miles	
Unknown (calc)	100	Feet	20
4 oz.			
	20	Feet	20
1 pint			
4 ozs			
Unknown (calc)	600	Feet	40
	7.8	Miles	3.2
Unknown (calc)	15	Feet	25
Unknown (calc)	100	Feet	50
Unknown (calc)	900	Feet	150
Unknown (calc)	200	Feet	50
1 qt	10	Feet	10
Unknown	1.68	Miles	0.12
Unknown (calc)	0.5	Miles	500
estimated			
	100	Feet	30
	100	Yards	30
Unknown	1	Miles	
Unknown	13.7	Miles	0.8
	5	Miles	50
calculated < 0.005 gal	50	Feet	2
unknown	100	Feet	50
Unknown	5	Miles	
Unknown (calc)	400	Feet	210
Unknown (calc)	2	Miles	15
Unknown			
Unknown			
Unknown (calc)	100	Feet	100
calculated	6.2	Miles	11.7
1 bbl			
unknown			
	2	Miles	20
	1	Miles	50
1 cup	400	Feet	100
calculated < 0.005 gal	30	Feet	3
Unknown (calc)	3	Miles	2

Unknown (calc)	300	Yards	56
	900	Feet	150
Unknown (calc)	15	Miles	500
Unknown (calc)	5000	Feet	1500
	1	Miles	50
3 bbls			
Unknown (calc)	200	Feet	30
Unknown (calc)	500	Yards	100
	21.5	Miles	5.45
Unknown (calc)	600	Feet	400
	30	Feet	50
8 cups	80	Yards	500
Unknown (calc)	1320	Feet	3
Unknown (Calc)	0.5	Miles	200
	30	Feet	3
Unknown (calc)	300	Feet	2
Unknown	10	Miles	10
	1320	Feet	50
Unknown (calc)	80	Feet	20
Unknown (calc)	2400	Feet	300
	9.3	Miles	3.4
Unknown (calc)	25	Feet	20
	1	Miles	250
Unknown			
Unknown (calc)	4	Feet	4
Unknown (calc)	1500	Feet	300
unknown			
Unknown (calc)	200	Yards	50
10 liters			
Unknown (calc)	10560	Feet	60
Unknown (calc)	2	Miles	1
	9.4	Miles	3.8
Unknown (calc)	150	Feet	20
Unknown (calc)	1500	Feet	200
Unknown (calc)	8	Feet	8
calc	30	Feet	30
Unknown (calc)	10560	Feet	15
Unknown (calc)	200	Yards	40
16 ozs			
	30	Feet	20
Unknown (calc)	60	Feet	2

2 tsp			
	1500	Feet	5
	2	Miles	10
Unknown (calc)	50	Feet	30
	1320	Feet	30
	100	Feet	10
	3.3	Miles	0.8
	80	Feet	20
Unknown	22	Miles	0.3
Unknown	0.25	Miles	9.5
Unknown (calc)	3600	Feet	30
	17.8		4.8
Unknown (calc)	1	Miles	50
Unknown			
	20	Feet	10
Unknown (calc)	30	Feet	3
Unknown			300
	30	Feet	2640
	600	Feet	75
Unknown			
	60	Feet	40
	1.7	Miles	0.5
	300	Feet	50
Unknown (calc)	100	Feet	25
	900	Feet	300
Unknown (calc) 1.19 bbls	2	Miles	1
Unknown (calc) 2.38 bbls	2	Miles	0.25
	300	Feet	100
	6	Miles	1.7
	300	Feet	100
	200	Yards	25
	3.2	Miles	1.1
Unknown (calc)	0.25	Miles	15
	30	Feet	10
calculated < 0.005 gal	0.5	Feet	0.5
Unknown	500	Yards	
Unknown (calc)	800	Feet	300
	20	Feet	
Unknown (calc)	20	Miles	50
	1000	Feet	10
Unknown			
	1	Miles	300
calculated	150		40
calculated < 0.005 gal	10	Feet	10

	10	Miles	1.8
Unknown (calc)	2	Miles	500
calculated	400	Feet	15
	100	Feet	8
	200	Yards	6
	1	Miles	40
Unknown (calc)	0.75	Miles	50
	30	Feet	5
Unknown	1	Miles	
calculated	300	Feet	40
calculated < 0.005 gal	130	Feet	20
calculated < 0.005 gal	1	Feet	1
Unknown (calc)	0.75	Miles	0.5
Unknown (calc)	1000	Feet	200
Unknown (calc)	200	Feet	50
	600	Feet	30
Unknown (calc)	1	Miles	0.25
calculated	8.3	Miles	1
calculated < 0.005 gal	3	Feet	3
calculated	150	Feet	20
Unknown	4.6	Miles	
Unknown (calc)	2	Miles	0.5
Unknown (calc)	2.7		0.7
Unknown	31		
	11.5	Miles	0.2
Unknown (calc) 1.19 bbls	2	Miles	0.5
Unknown (calc)	0.5	Miles	30
	3	Feet	3
Unknown			
Unknown (calc)	1800	Feet	600
Unknown			
	18.8	Miles	0.5
	25	Feet	5
Unknown (calc)	2	Miles	0.25
	3670	Yards	20
Unknown (calc)	1	Miles	0.3
	7920	Feet	60
unknown	3	Miles	10
calculated	10	Yards	10
Unknown			
	1	Miles	15
4 drops			
Unknown			
unknown			

calculated < 0.005 gal	100	Feet	4
calculated	9.8	Miles	1
Unknown			
	30	Feet	12
calculated	300	Feet	40
calculated < 0.005 gal	5	Feet	3
Unknown (calc)	2.5	Miles	2.5
calculated < 0.005 gal	30	Feet	10
calculated	1	Miles	200
estimated < 0.005 gal	50	Feet	50
	2640	Feet	40
	30	Yards	60
1.44 qts	100	Yards	100
	13.2	Miles	2
unknown			
20 - 30 drops			
Unknown (calc)	0.5	Miles	200
	2	Feet	15
4 oz.	15	Feet	15
Unknown			
Unknown			
Unknown (calc)	100	Feet	100
Unknown	3.45	Miles	
Unknown (calc)	15	Feet	8
3 liters			
	50	Feet	2
	5.9	Miles	1
	5	Feet	100
8 ozs			
	100	Feet	25
Unknown (calc)	20	Feet	2
Unknown (calc)	7	Miles	3
unknown			
Unknown			
	6.8	Miles	2.8
Unknown (calc)	30	Yards	20
Unknown			
Unknown (calc)	3	Miles	100
	30	Feet	20
Unknown (calc)	1000	Feet	500
32 oz.			
calculated < 0.005 gal	30	Feet	5
Unknown	7.2	Miles	1.5
	15	Feet	3

	150	Feet	10
Unknown (calc)	9	Miles	0.5
	300	Feet	150
	250	Feet	2
	400	Yards	50
	150	Feet	60
	7.7	Miles	0.8
calculated <0.0005 gal	160	Feet	20
unknown			
Unknown (calc)	200	Feet	30
unknown	0.5	Miles	
	60	Feet	5
calculated	300	Feet	100
unknown			
	100	Yards	0.75
caculated	20	Miles	0.75
Unknown (calc)	1.5	Miles	2
calculated	200	Feet	50
	10560	Feet	600
	7.7	Miles	1.4
	120	Feet	10
Unknown			
	300	Feet	20
Unknown (calc)	300	Feet	3
Unknown (calc)	600	Feet	150
	125	Feet	100
Unknown			
Unknown	400	Feet	
Unknown			
Unknown (calc)	1.5	Miles	1
Unknown (calc)			
	6.3	Miles	2.1
	600	Feet	200
Unknown (calc)	5	Miles	500
Unknown (calc)	150	Feet	25
Unknown (calc)	1	Miles	30
Unknown (calc)	2	Feet	10
	5000	Feet	150
Unknown (calc)			
Unknown (calc)	20	Feet	5
Unknown (calc)	50	Feet	3
Unknown (calc)	2	Miles	0.25
	10	Yards	50
Unknown	1	Miles	
Unknown (calc)	20	Feet	2
Unknown (calc)	100	Yards	50
	100	Feet	75

1 qt	60	Feet	600
Unknown	3	Miles	14
Unknown (calc)	10	Yards	10
Unknown			
4 tblspns	30	Feet	30
calculated	3.8	Miles	2.1
	2600	Feet	60
2 oz.			
	1	Yards	5
calculated	80	Feet	30
	0.25	Miles	20
Unknown (calc)	0.25	Miles	15
	50	Feet	3
calculated	1	Miles	30
Unknown (calc)	1.5	Miles	75
Unknown (calc)	10.32	Miles	0.84
Unknown (calc)	3	Miles	200
	0.5	Miles	2
calculated < 0.005 gal	150	Feet	10
	70	Yards	3
Unknown	2	Miles	0.5
Unknown (calc)	8	Miles	75
	0.75	Miles	50
Unknown	300	Feet	150
	5.4	Miles	0.6
calculated	300	Feet	50
unknown			
Unknown (calc)	6600	Feet	600
Unknown	3	Miles	
0.3 oz	10	Feet	1
	0.25	Miles	100
calculated < 0.005 gal	400	Feet	2
	50	Yards	2
	1	Miles	30
9.9 bbls			
calculated	100	Feet	30
Unknown			
	450	Feet	90
Unknown (calc)	2	Feet	2
	6.3	Miles	1.7
	100	Feet	10
Unknown			

Unknown (calc)	600	Feet	75
	300	Feet	15
	200	Feet	10
	3	Miles	600
	1	Miles	60
7 bbls			
Unknown			
Unknown (calc)	15	Feet	10
	23.7	Miles	2.7
unknown	5	Miles	
Unknown (calc)	30	Feet	6
unknown	30	Feet	1
Unknown (calc)	0.25	Miles	40
Unknown (calc)	3	Miles	30
calculated	21.7		0.35
unknown	1.35	Miles	0.6
unknown			
Unknown (calc)	300	Feet	225
	300	Yards	3
unknown			
Unknown (calc)	4	Miles	300
	11.6	Miles	2.2
unknown			
	300	Feet	40
calculated < 0.005 gal	1	Feet	1
Unknown	1320	Feet	
Unknown (calc)	0.5	Miles	20
	6.2	Miles	4.5
Unknown (calc)	52800	Feet	50
Unknown	3	Feet	
unknown	1	Miles	20
calculated < 0.005 gal	1	Feet	1
Unknown (calc)	700	Feet	30
Unknown	0.5	Miles	0.5
Unknown (calc)	200	Yards	300
	300	Feet	60
4 oz.			
Unknown (calc)	0.75	Miles	20
Unknown (calc)	3	Miles	50

caculated < 0.005 gal	10	Feet	1
Unknown	3	Miles	
Unknown	300	Yards	50
Calc	1.3	Miles	0.7
Calc	10	Feet	100
	85	Yards	25
3 liters			
Unknown (calc)	2600	Feet	300
Unknown	0.85	Miles	0.32
Unknown (calc)	2.5	Miles	0.5
Unknown (calc)	0.3	Miles	150
	150	Feet	3
	12.6	Miles	1.8
4 ozs			
	1	Miles	5
1 drop			
	500	Feet	10
1 oz.			
	13.4	Miles	2.3
Unknown (calc)	1000	Feet	100
Unknown (calc)	850	Feet	50
	6	Miles	200
Unknown (calc)	1	Miles	0.5
Unknown (calc)	300	Feet	10
1 oz.			
Unknown	5	Miles	5
Unknown	10.27	Miles	5.35
unknown	8.48	Miles	0.4
Unknown	3.87	Miles	1.84
2 drops	50	Feet	0.5
Unknown (calc)	23760	Feet	150
	200	Feet	20
Unknown			
Unknown (calc)	1	Miles	0.25
calculated	21.8	Miles	4.3
Unknown (calc)	3	Miles	1
8 oz.			
	20	Yards	10
Unknown			
7 liters			
2.8 liters			
Unknown (calc)	4.3	Miles	0.08
	0.34	Miles	0.11
unknown			

	6	Feet	1
2 drops			
	5.2	Miles	0.6
	300	Feet	20
Unknown (calc)	5280	Feet	100
	100	Feet	30
	60	Feet	5
	20	Feet	15
	100	Feet	20
	5280	Feet	50
Unknown (calc)	3	Miles	100
	20	Feet	5
Unknown (calc)			
	200	Feet	10
Calc 36 gallons	0.9	Miles	0.2
Unknown (calc)	5	Miles	
Unknown (calc)	800	Feet	45
	7500	Feet	150
Unknown (calc)	1.2	Miles	1
	100	Feet	3
Unknown (calc)	60	Feet	30
	1400	Feet	3
Unknown (calc)	10	Miles	80
unknown			
	600	Feet	50
	7.5	Miles	3.8
unknown	80	Feet	20
1 liter	6	Feet	6
	150	Feet	50
2 cups	150	Feet	30
2.75 oz.	100	Yards	10
calculated < 0.005 gal	5	Feet	5
	70	Feet	20
	150	Feet	24
1 oz.	8	Feet	4
Unknown (calc)	2	Miles	30
2 oz.			
2 oz.			
Unknown (calc)	1	Miles	100
	12.8	Miles	3.9
8 oz.			

	150	Feet	50
Unknown (calc)	1	Miles	0.25
calculated < 0.005 gal	250	Feet	20
	50	Feet	10
0.5 liters			
Unknown			
calculated < 0.005 gal	100	Feet	10
1 pint			
Unknown	10	Miles	2
calculated	300	Feet	50
12 oz			
calculated	16	Miles	1.6
1 cup			
4.59 ozs	109	Feet	200
			1.6
Unknown (calc)	1.5	Miles	60
	170	Feet	10
	100	Yards	40
Unknown (calc)	300	Feet	40
Calc	100	Feet	20
Unknown (calc)	1500	Feet	30
calc	150	Feet	25
Unknown (calc)	100	Meters	30
1 cup			
	440	Yards	10
Calc	600	Feet	20
Unknown (calc)	200	Feet	15
calc	300	Feet	10
Unknown (calc)	0.25	Miles	60
1 pint	30	Feet	12
Unknown (calc) 12 bbls	3	Miles	0.25
Unknown (calc)	900	Feet	600
	20	Feet	10
	23	Miles	1.4
Unknown (calc)	5	Yards	5
1 tspn			
	3960	Feet	10
	2.4	Miles	0.5
EED INITIALS	EED Core Data Entry	KNOWN_RP	FACILITY_TYPE
TG	TRUE	Walter Oil & Gas	Platform

TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy Resource Technolo	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Chevron	Platform
LMc	TRUE	Pacific Santa Ana	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Transocean	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	MC Offshore	Platform
TG	TRUE	unknown	Vessel
TG	TRUE	Freeport McMoRan Oil & G	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Helix Energy Solutions	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	BP	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Transocean	Vessel
TG	TRUE	W&T Offshore	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Chevron	Platform
TG	TRUE	Energy Transfer Houston P	Pipeline
TG	TRUE	IG Petroleum	Pipeline
TG	TRUE	Energy XXI	Platform
TG	TRUE	Energy Resource Technolo	Platform

TG	TRUE	Genesis	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Spectra Energy	Pipeline
TG	TRUE	Loop, LLC	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Oil	Platform
TG	TRUE	Walter Oil & Gas	Platform
LMc	TRUE	F/V Bite Me, Bayou LaBatr	Vessel
LMc	TRUE	Fieldwood Energy	Pipeline
LMc	TRUE	Arena	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Helix	ROV
LMc	TRUE	Shell	Platform
LMc	TRUE	M/V Cheramie Botruc	Vessel
LMc	TRUE	Taylor	Platform
LMc	TRUE	Talos	Platform
LMc	TRUE	Transocean	Rig
LMc	TRUE	C Innovation	ROV
LMc	TRUE	Chevron	Platform
LMc	TRUE	BP	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Pipeline	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Anadarko Petroleum Corp	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Freeport McMoRan Oil & G	Platform
TG	TRUE	Freeport McMoRan Oil & G	Platform
TG	TRUE	Arena Offshore	Platform
TG	TRUE	W&T Offshore	Vessel
TG	TRUE	Energy Resource Technolo	Pipeline
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Arena Offshore	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Taylor	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Filedwood	Pipeline

LMc	TRUE	Chevron	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	ERT	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Petrobras	Pipeline
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Hess	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Conoco Phillips	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Rooster	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Talos	Platform
LMc	TRUE	LOOP	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Stone	Platform
TG	TRUE	Helix Energy Solutions	Vessel
TG	TRUE	Taylor	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Genesis	Platform
TG	TRUE	Whitney Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Talos Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	La Borde Marine	Vessel
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy Resource Technolo	Platform
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Shell Oil	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown

TG	TRUE	Shell Oil	Platform
TG	TRUE	Energy Resource Technolo	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	W & T Offshore	Platform
TG	TRUE	Panther Pipeline	Pipeline
TG	TRUE	Petrobras America, Inc.	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Anadarko	Rig
TG	TRUE	Hess Corporation	Rig
TG	TRUE	Genesis	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Cox Operating	Platform
TG	TRUE	Rowan Companies	Rig
TG	TRUE	Energy XXI	Platform
TG	TRUE	Anadarko Petroleum	Rig
TG	TRUE	Arena Offshore	Platform
LMc	TRUE	W&T	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Taylor	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Subsea 7	Vessel
LMc	TRUE	W&T	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Chevron	Pipeline
LMc	TRUE	Taylor	Platform
LMc	TRUE	Chevron	Platform
LMc	TRUE	Marubeni	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Petroquest	Pipeline
TG	TRUE	Taylor	Platform
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Freeport McMoRan Oil & G	Platform
TG	TRUE	Anadarko Petroleum	Pipeline
TG	TRUE	Helix Energy Solutions	Rig
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown

TG	TRUE	Arena Offshore	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	BP	Vessel
TG	TRUE	Unknown	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Hornbeck Offshore Service	Vessel
TG	TRUE	Ridgelake Energy	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Jefferson Block 24 Oil & Ga	Platform
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Walter Oil & Gas	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Energy XXI	Platform
TG	TRUE	Transocean Offshore	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
LMc	TRUE	BP	Platform
LMc	TRUE	Taylor	Platform
LMc	FALSE	Talos	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Subsea 7	ROV
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Chet Morrison	Vessel
LMc	TRUE	Taylor	Platform
LMc	TRUE	Chevron	ROV
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Fieldwood	Pipeline
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Subsea 7	ROV
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown

TG	TRUE	Texas Petroleum Investme	Pipeline
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TG	TRUE	Helix Energy Solutions	Vessel
TG	TRUE	Subsea 7	ROV
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TG	TRUE	Taylor	Platform
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TG	TRUE	Edison Chouest Offshore	Vessel
TG	TRUE	Hornbeck Offshore Service	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Shell Pipeline	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Unknown	Unknown
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	Trans Ocean	Vessel
TG	TRUE	Whitney Oil & Gas	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Technip UK Limited	ROV
TG	TRUE	Subsea 7	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Spectra Energy	Pipeline
TG	TRUE	Murphy Oil	Platform
LMc	TRUE	Subsea 7	ROV
LMc	TRUE	BP	Platform
LMc	TRUE	Taylor	Platform
LMc	TRUE	Energy XXI	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Hess	Platform
LMc	TRUE	Freeport McMoran	Platform
LMc	TRUE	W&T	Platform
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Oceaneering	ROV
LMc	TRUE	Chevron	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
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LMc	TRUE	Energy XXI	Platform
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LMc	TRUE	Renissance	Platform
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LMc	TRUE	BP	ROV
LMc	TRUE	BP	ROV
LMc	TRUE	Oceaneering	ROV
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LMc	TRUE	Energy XXI	Platform
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TG	TRUE	Walter Oil & Gas	Platform
TG	TRUE	W & T Offshore	Platform
TG	TRUE	Taylor	Platform
TG	TRUE	Black Elk Energy	Vessel
TG	TRUE	Sea Drill	Rig
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Anadarko	Platform
TG	TRUE	Shell	Platform
TG	TRUE	Freeport McMoran Oil & G	Platform
TG	TRUE	Enven Energy Ventures	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Pacific Drilling	Rig
TG	TRUE	Unknown	Unknown
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TG	TRUE	Chevron	ROV
TG	TRUE	Unknown	Unknown
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TG	TRUE	Chevron	Pipeline
TG	TRUE	Enven Energy Ventures	Pipeline
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Energy XXI	Pipeline
TG	TRUE	Technip UK	Vessel
TG	TRUE	Subsea 7	ROV
TG	TRUE	Unknown	Unknown
TG	TRUE	Fieldwood Energy	Platform
TG	TRUE	Sea Drill	Rig
TG	TRUE	Unknown	Unknown
TG	TRUE	W&T Offshore	Platform
TG	TRUE	Energy XXI	Platform
TG	TRUE	Chevron	Platform
TG	TRUE	Taylor	Platform
LMc	TRUE	LOOP	Platform
LMc	TRUE	Marubeni	Platform
LMc	TRUE	Anadarko	Rig
LMc	TRUE	Shell	Platform
LMc	TRUE	Hornbeck	ROV
LMc	TRUE	Taylor	Unknown-NESDIS
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell	Pipeline

LMc	TRUE	Freeport McMoran	Pipeline
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Walter	Platform
LMc	TRUE	Black Elk	Platform
LMc	TRUE	Laredo Offshore Services	Vessel
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Montco	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell	ROV
LMc	TRUE	Whitney	Platform
LMc	TRUE	W&T	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Fieldwood	Platform
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Shell Pipeline	Pipeline
LMc	TRUE	Unknown	Unknown
LMc	TRUE	Unknown	Unknown
TG	TRUE	Pacific Drilling	Rig
TG	TRUE	Taylor	Platform
TG	TRUE	Unknown	Unknown
TG	TRUE	BP	ROV
TG	TRUE	energy XXI	Pipeline
TG	TRUE	Taylor	Platform

SHEEN_WIDTH_UNITS	SECURED?	DATE_SECURED
Yards	Unknown	
Miles	No	
Yards	Unknown	
	Yes	
	Yes	
Miles	No	
Feet	Yes	
Feet	Unknown	
	Unknown	
	No	
	Yes	
	Yes	
Miles	No	
Feet	Yes	
Feet	Unknown	
Miles	Unknown	
Feet	Yes	
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Feet	Yes	
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Yards	Unknown	
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Miles	No	
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Miles	Unknown
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Miles	No
	Yes
Feet	No
Yards	Unknown
Yards	No
	Yes
Feet	Unknown
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Feet	Unknown
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	Yes
Feet	No
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Miles	No
Yards	Yes
Feet	Yes
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	Yes
Yards	Unknown
Miles	No
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Feet	Unknown
Miles	Unknown
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Feet	Yes
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Yards	Yes
	Yes
Feet	No
Feet	Unknown
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	Yes
Feet	Yes
Feet	No
	Unknown

Feet	Yes
Miles	No
Feet	Yes
Feet	Yes
Yards	Unknown
Miles	No
Feet	Unknown
Yards	Yes
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Feet	Yes
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Feet	Unknown
	Yes
Feet	No
Yards	Yes
Feet	No
	Yes
Feet	Unknown
Feet	Unknown
Miles	No
Yards	Yes
Feet	Yes
Yards	Yes
Feet	Unknown
Feet	Yes
Yards	Unknown
Feet	Unknown
	Yes
Feet	No
	Yes
Feet	Yes
Feet	Yes
Miles	No
	Unknown
Feet	Unknown
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Feet	Unknown
Feet	Yes
	Unknown
Feet	No
Feet	Unknown

	Yes
Miles	No
Feet	Yes
	Unknown
Miles	No
	Yes
Miles	No
Feet	Yes
	Yes
	Yes
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Feet	Unknown
Feet	Unknown
Yards	Yes
Miles	Unknown
Miles	No
Feet	Unknown
Feet	Yes
Feet	Yes
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Miles	Unknown
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Feet	Yes
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Feet	Unknown
Feet	Yes
Feet	Yes
Miles	No
Feet	No
Yards	Unknown
Miles	No
Feet	Yes
Feet	Yes
Miles	No

	Unknown
Feet	Unknown
Yards	Unknown
Miles	No
Feet	Unknown
	Yes
Yards	Unknown
Feet	Yes
Feet	Yes
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Meters	Unknown
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Feet	Unknown
Miles	No
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	Yes
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Feet	No
Feet	No
Feet	No
Feet	Unknown
Yards	Yes
Feet	No
Feet	No

Feet	Unknown
Feet	No
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Feet	Yes
Feet	Yes
Feet	No
Miles	Unknown
Feet	Unknown
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Feet	Yes
Feet	Yes
Feet	Yes
Feet	Yes
	Yes
Miles	No
Feet	Yes
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NRC_REPORT_NOTES

Hose leak on vapor recoery unit; no coordinates or sheen reported

sump failure; no coordinates reported
free water knockut system failure; platform shut in
ROV leak subsea; no facility, sheen, or coordinates reported
Observe for future sheen
no facility or sheen reported
ROV release subsea; no sheen reported
no sheen color reported
leaking fitting on separator
no block reported

carryover from separator; no facility or sheen color reported

pin hole leak in 3 inch line; no facility or sheen reported
pump malfunction; no facility or coordinates reported
pump failure; no facility reported
Line being disconnected; no facility or coordinates reported
ROV release at 5200 feet depth; no sheen reported
no sheen size reported

no block reported
no block reported
no sheen reported; release subsea

release at 44 foot depth; no sheen reported
sump carryover
release at 85 feet depth; no sheen reported

BSEE WQ inspector was on platform Energy XXI SP 49 A @ 9:00 AM and did not see sheen near

sheen color assumed barely discernable
ROV release; no sheen reported

ruptured flow line at night; no sheen or facility reported

no coordinates reported

heat exchanger failure on thruster; no sheen reported

pihole leak in 6-inch line

pinched hose; biosynthetic oil; no sheen

dump valve left open; no facility reported

ROV diamond saw failure; no sheen reported

pipe leak; no facility reported

no facility or sheen reported
Flow cell malfunction
piping leak due to corrosion

release at 90 feet depth; no sheen reported

Related to NRC#1131946 reported as a mystery natural gas leak
no sheen size reported
skid overflow; no facility reported
release below sea level; no sheen reported
no sheen or coordinates reported
sheen width and coordinates not reported

hose burst; no sheen reported
hose no closed; no sheen color reported; offshore supply vessel
hose leak
heavy rains escaped containment; no facility reported
drain pipe cracked; no facility reported
hole in glycol reboiler; no sheen reported; mist only

crane hydraulic line broke
no sheen reported

connection loose; no sheen reported
no sheen reported

ROV investigating; no sheen size reported
pinhole leak in riser; pipeline shut in
carryover from flare scrubber
decommisioning activity
offshore supply vessel engine malfunction
pipeline leak
investigating leak; pipeline shut in
carried over from sump; no coordinates reported; well shut in
no sheen size reported
packing leak; no facility reported

leak while replacing pipe; platform shut in
pump seal failure
gas bubbles; no sheen reported; well shut in

Bubbles

reported by Shell MC807 B Mars TLP

No further sitings

Eventually secured

loose coupling; no facility or sheen reported

excess pipe dope applied to casing; no facility reported
release at 1500 meters depth; no block or sheen reported
residual oil in jumper released; no sheen reported
open drain tank emulsion overflow; no coordinates reported

sheen width not reported

small tank overflow while displacing well; no facility reported

piping leak; no facility reported; shut in system
drain line leak; no facility reported
no block or facility reported

manifold valve leak
oil treater inlet pipe leak; no sheen reported
valve accidently left open
no sheen size reported; Pompano 12" pipeline suspected; line shut in
hose fitting leak; no facility or sheen reported
valve stuck open
heavy rain release from sump
winds tipped tank
drip pan overflow; no sheen reported

mist released through flare PSV test

BSEE flyover spotted sheen; no sheen color or facility reported
no sheen color reported
ROV release at 50 meters depth; no coordinates or sheen reported

leak in gangway system
no sheen size reported

hydraulic liine leak; 50 meter depth; no sheen reported

fitting failed during testing
ROV release at 3800 foot depth; no sheen or facility reported

no sheen reported

pin hole in sump line; no facility reported
ROV release at 3900 feet depth; no sheen reported
subsea manifold release at 5580 feet depth; no sheen reported
service manifold leak at 5621foot depth; no block or sheen reported

washing down skid; no facility reported

process pipe hole
repairing riser
subsea pipeline valve flushing at 4,000 feet depth; no sheen reported

undersea hammer leak at 1000 meters depth; no sheen reported
start up sheen; no facility reported; IR readings 33 and 10
pipe on platform

piping leak
oil and water mixture

release at 3,900 foot depth; no sheen reported

thruster failure, release at 5300 foot depth; no sheen reported
Crane on vessel burst

2 drums floating offshore labeled waste oil; no pollution reported; possible hazard to navigatior

Subsea wellhead

Pacific Drilling Rig Santa Ana

cannot calculate, no color reported

sheen and bubbles 500 yds west of platform

release from no. 2 thruster; no sheen reported

rough seas affecting skim pile
bucket dropped; no coordinates or facility reported
large sheen sighted by NOAA

backflow in bad oil tank; no facility reported

release from skim pile; no facility reported

heavy rain
pinhole leak in drain line; no facility reported
discharge from sump; no facility reported

fitting failure; no coordinates or sheen reported
overboard water sheen, no sheen size reported
rainbow rosebud sheen

sump line leak; no facility reported

adjusting chemical; no coordinates reported
overboard line during startup; no facility reported

tank overflow; Florida location

pinhole leak; no facility or block reported

hydraulic line leak
release at 5,100 foot depth, no coordinates or sheen reported
small sheen from bubbles

no sheen or facility reported

no sheen reported
skid pad overflow

leak in line; offshore supply vessel, no sheen reported;

release at 5,200 foot depth; no sheen reported

chemical upset; no coordinates reported
CPI malfunction; no sheen color

Produced water process upset
release from water skimmer

upset while bringing field back on line

no coordinates reported; treatment chemical in produced water

release while changing valve; no sheen color reported

rosebuds from Auger TLP forward port side of E-5 column
drain backed up due to heavy rains

pinhole leak in transfer line
hose burst at 4,200 ft depth; no sheen or coordinates reported
ROV deployed from the M/V Island Enforcer

Lost overboard in heavy wind / seas

corrosion leak near platform; no coordinates reported
oily rags from drum due to heavy seas and high winds; no block or sheen reported
release from wellhead cap; no sheen reported
release from flare boom; no coordinates or facility reported
chemical adjustment in produced water

release at SSV leaking flange

release at 6,000 ft depth; no sheen reported

ROV release at 2177 meters depth; no sheen reported
no sheen description
no sheen or facility reported; "really small amount" discharged when tube fitting leaked

transfer of DF from supply vessel leaked

Assume silvery for calculation

heavy rains overfilled sump; no facility reported
gas bubbles; no sheen reported

5 empty sealed 500 gal totes went overboard due to rough seas; no block or sheen reported
District reported 336 gal, NRC reported100 gal; E100 issued; sump failure; platform shut in
chemical treatment upset

residual deck drainage
no facility reported
NOAA report; no sheen description

release at 160 meters depth; no sheen reported
condensate from deck washdown; no facility reported
release at 7150 foot depth; no sheen or coordinates reported

nonsheen color reported

Wellhead
Releasing at 3 bbls per hour on-going, 22 bbls total per OIR

no sheen color or width
containment late leak

Drip pan overflow; no sheen or facility reported
system upset
Wemco overflow
leak during well shutdown; no facility reported
release while cutting penetrator; no facility reported
sheen on start up; no facility reported
4" bulk line leak
hose break; no sheen reported

flange repair
no sheen description
heavy rain sump overflow; no coordinates

heater treater overflow
no sheen size reported

sump pile release; no sheen reported
floatation cell upset; no facility reported

Wellhead

bringing platform back online
diesel from vent
cap flange on #3 pipeline FSV
flange leak; no coordinates reported
Wemco failure; no facility reported
subsea release, depth unknown, leak in EDPLRP; no sheen reported
diverter failure; no sheen reported

condensate and natural gas from wellhead; no facility or sheen color reported; well shut in
flow back equipment release
Vessel sank; no sheen color or block reported

hose leak; no sheen or facility reported

Wemco pump failure
ROV umbilical leak; no sheen color reported
rain overflow of sump; no coordinates reported
rain overflowed sump; no coordinates reported
construction spill
manifold leak; no facility reported

sump release; no facility reported
no sheen color reported
2 inch flow line leak
release at 6,063 foot depth; no sheen reported
loose piping

suspected BP pipeline; overflight observation; no sheen size reported
no facility reported

pinhole piping leak

non-specific NPDES discharge referred to EPA
clogged drain line; no coordinates or facility reported
o-ring leak; no sheen color reported
bubbling near 16-inch gas pipeline; no sheen reported
crane hose rupture
sump discharge
BOP test leak

chemical pump failure; no facility or sheen reported
winch plug leak

waste drain line corroded; no coordinates reported
oil carryover into float cell; no facility reported
pinhole leak in dump line; no facility reported

discharge from catch tray due to rough seas

tote tank tipped over on boat Jim Morgan during crane lifting; no sheen reported

30 miles west of Dry Tortugas; no sheen width reported
line rupture; no sheen reported

hose ruptured
hose failure; no facility reported
pinhole leak in drum; no sheen size reported
filling hose spill; no sheen or block reported

Cannot evaluate, no description
subsea wellhead decommissioning; no sheen or facility reported; 2200 foot depth
ROV release at 5170 foot depth; no sheen reported
flare boom discharge

ROV hose rupture; no sheen or coordinates reported
no block reported

no sheen description reported

loose fitting; no facility reported
natural gas release; no sheen, coordinates, or block reported
sheen color not reported

probably related to NRC # 1144435; no sheen; bubbles 15 feet x 15 feet
drip from gas cooler
release while adjusting valve; no coordinates reported
no facility reported
no sheen description
could be related to NRC # 1144511
subsea wellhead release; no sheen, coordinates, or facility reported
overflow of pan
spill while filling day tank; no sheen reported
O-ring failure at 250 feet depth; no sheen reported

Cannot calculate, no dimensions given

release from slip joint packer; no sheen color reported
auxiliary pipe racker pie hole misting oil; no sheen size reported
spilled from storage tank on platform, no facility reported
no sheen reported; cruise ship

tubing leak; no facility or sheen size reported
poured into drain; no sheen reported
capped line leaked
hose spilled

no sheen width reported
ROV loose hose; no sheen or facility reported
hose ruptured at 5626 fot depth; no sheen reported
vent line release
no coordinates reported
sheen color assumed barely discernable
wind blew oil out of skid after sump backed up; no facility reported
leaking hose; no coordinates reported

process water carry-over; no coordinates reported

leaking hydraulic fitting; no facility reported
overboard water upset; no facility reported
discharge from day tank vent on supply vessel; no sheen reported; Deferred to USCG
no sheen reported; Deferred to USCG
broken hydraulic hose; no facility or coordinates reported

ROV discharge at 1,175 feet; no sheen reported
no facility or sheen color reported
hose rupture; no sheen reported

drain line plugged and overflowed
Diesel tank overflowed during filling; no facility reported

unknown sheen source on platform
no facility reported
no sheen description
controller malfunction

hydraulic hose rupture; no sheen reported
no sheen reported

Investigated by Houma District, cleanup underway; OIR report done

119 bbls

no coordinates or sheen description reported; may be related to a Shell pipeline.
system upset; no facility or sheen reported
unmanned platform
biodegradable hydraulic oil; no facility reported
absorbant pads went overboard, not recoverable; no sheen reported
hose fitting leak
open valve on sump; no facility reported
operator investigation underway

no block or sheen color reported; NOAA sighting

no block or sheen color reported; NOAA sighting
no block or sheen color reported; NOAA sighting
release whiile washing skid
no block or sheen color reported; NOAA sighting

release while transfering fuel

no sheen description
leak from incoming line; no facility reported
no block or sheen size reported
no sheen width reported
fishing vessel apparently discharging bilge water; no block reported
O-ring broke
Pipe being removed
sheen width not reported

Asbestos solid waste; no coordinates or sheen reported
related to NRC 1148232
Fitting broke on supply vessel; no sheen reported

wind blew overboard

rain overflowed sump

failure of thruster hydraulic oil cooler; no coordinates or sheen reported

no block or sheen color reported; NOAA sighting
no sheen color reported

manifold leak; no sheen reported, release at 7,000 foot depth
no sheen length reported
residue left in suction tube; no sheen reported
paint spilled; no facility reported
pinhole leak in piping

production pump overflowed
spill from skid; no facility reported

no facility reported
condensate through produced water; no facility or sheen reported

release subsea; no sheen or coordinates reported

controller malfunctioned: no block or facility reported
release while transfering oil between tanks; no block reported

seal ruptured while launching ROV; no sheen description
discharge from generator; no sheen size
no coordinates, block, or sheen size reported
no sheen width or color reported; NESDIS sighting

subsea 6900 ft. umbilical termination assembly normal operations; no sheen reported
loose connection
release at 8,000 feet subsurface due to loose fitting; no sheen

no coordinates reported
methanol tank overfillled; no facility or sheen reported; RQ at 40 CFR 302.4 = 758 gal

open valve during fueling operations; no coordinates reported
sheen color not reported

no sheen or facility reported
leak while pressurizing line; no sheen color, block or facility reported
inactive wellhead leak
transfer of fuel; related to NRC # 1149111; no sheen reported
No block, coordinates, or sheen width reported; 3 miles N of Thunderhorse MC 778
no block or sheen color reported; NOAA sighting
corrosion caused wellhead leak; no coordinates reported
flushing shutdown platform pipelines; no facility reported
no sheen color or facility reported
no sheen color or width reported; NOAA observation

no sheen size reported
no coordinates or sheen size reported

assumed barely discernable sheen
tank discovered leaking; no sheen reported
large amount of paint spilled into water; no sheen reported
skimmer release
ROV and wellhead release; no sheen reported
surface safety valve leak; no coordinates reported
4-inch test line leaked
plastic tank dredged up by shrimp net; no block or facility reported; tank recovered

no block reported
overboard water line spill; no facility reported
no sheen reported, bladder leak below surface; RQ = 758 gal

unknown overboard water processing issue; no coordinates reported; corrected
slip joint packer failure; no sheen, facility, or coordinates reported

no coordinates reported

500 gal tote tank fell overboard

ROV 4,140 ft depth; no sheen reported
no sheen reported
Cannot calculate, no color given
no sheen reported

no sheen reported
Likely natural sepage

Probably below action level; monitor; no sheen reported

no sheen reported
ROV UHD84; release at 6399 ft depth; no sheen sighted

Calculates to 63.43 bbls or 2,664 gals

no sheen reported

no sheen reported

Algae??

no sheen reported

no sheen reported

95 miles west of Key West

no sheen reported

Cannot calculate; no sheen reported
no sheen reported

no sheen reported

Loose needle valve on pig trap; no facility reported
pinhole leak in piping

corroded section of pipe

leaking hydraulic hose; no sheen reported
no block or sheen width reported

no sheen color reported

no sheen reported
corrosion of wellhead caused pinhole leak; no facility reported
Oil leak from float cell; no facility reported
chemical rates set wrong; no coordinates reported

sheen while flushing line; no coordinates reported

pipe corrosion; no sheen reported
oil cap blew off engine
release from 2 inch test line

hydraulic hose failure; no sheen reported

no sheen color or width reported
pinhole leak in 6-inch pipe
hole in containment skid; no facility reported
no coordinates reported

behind Texaco Island, TX; no coordinates reported
deck flooded by rain

sheen from exhaust port; no coordinates reported

no coordinates or sheen color reported

No sheen color or width reported

1.19 bbls

no coordinates reported
no sheen description reported

pump failure

discharge from wellhead casing; no facility reported
leaking valve packing; no sheen reported

no facility reported; adjustments made
No sheen color reported
hole in drain pipe; no coordinates reported
no sheen size or block reported
corroded pipe; no facility reported
release at 5599 feet depth; no sheen
no coordinates reported; no sheen description
40 gallons on deck, unkown in water; no coordinates or sheen reported

no coordinates reported
reported as 4.15 gal, sheen much larger
no coordinates or sheen description
float cell malfunction; no coordinates
subsea construction winch; no sheen reported
two inch pipeline

no block reported
drilling brine with processed water; no coordinates reported
from 20 inch pipeline; no segment reported; line shut in
from 3 inch pipeline; no pipeline segment or sheen color reported; line shut in
pump shaft seal failure; no facility or coordinates reported
faulty chemical injection pump; no coordinates reported
rain overflowed sump; no facility reported; divers investigating

natural gas release; no sheen or segment reported
loop marine terminal; no sheen description
flyover observation
leaky hose from sump; no coordinates reported
release during product transfer; no coordinates reported

25 bbls

no sheen description
no coordinates reported
drain line caused skid pan to overflow; no facility reported

hose rupture; no coordinates or sheen reported
no coordinates reported
no sheen color reported
residual in pipe

process upset

level control valve stuck open; no facility reported; platform shut in

reported by passing boat; no facility reported; cleanup attempted
line rupture; no coordinates reported

mist entered water; no facility or sheen color reported
no facility or sheen reported
no coordinates reported
release while removing platform; no sheen width reported

leak while plugging wellhead; no block or coordinates reported
skid overflowed from rain; no coordinates or sheen description
out of service pipeline; no coordinates

plug and abandonment operation
pinhole leak in riser; no facility reported

Leak at a wellhead at 2115 ft depth; discovered by ROV

Sump pump failed

release from flare boom

no coordinates or sheen reported
fitting failure

low level in Wemco; no coordinates reported
relief valve discharge
pipeline abandonment leak

pinhole leak

bilge accidently pumped overboard
Chemical injection pump malfunction; block not reported

color assumed
possible pipeline leak
pinhole leak in 6-inch pipeline; no sheen color reported
compressor cooling tube leak; no coordinates reported
hose ruptured
no block or sheen color reported

no sheen reported
pinhole leak in pipeline on platform

discharge while opening wellhead; no coordinates reported
blossums of oil on surface above pipeline; no sheen size, coordinates, or pipeline segment repo
valve malfunction; no facility or sheen reported

casing overflow; no sheen reported
no block or sheen color reported
leaking connection: no sheen reported
leak on hydraulic power unit; no sheen color reported
release from flare; no facility or sheen color reported

heavy rain sump overflow
seal failure; no sheen description
system upset
slip joint packer failure; no sheen reported
release from vent boom; no coordinates reported

wellhead choke change operations; no sheen reported
no sheen width reported
may be related to NRC # 1156731; wellhead; no sheen
wellhead choking operations; no sheen reported
no coordinates; or facility reported
welhead choke changing operations; no sheen reported
subsea leak; no sheen reported; 0.5 gallons per hour
no sheen color reported

no coordinates reported

no sheen color reported
release while washing platform; no facility or sheen reported

equipment shut in; flowback operation
bubble on surface; overflight observation; no sheen reported

thruster leak; 1 qt per day; no sheen reported
pipeline leak; no facility or sheen description
no facility reported; incident under investigation by operator
multiple rosebud sheens
no sheen width reported

sheen color not reported
no sheen width reported
no sheen color reported
no sheen color reported; from leaking storage tank
release when lifting BOP; no coordinates or sheen reported

sheen color not reported
no coordinates reported
test separator leak; no facility reported
hose rupture; no coordinates or sheen reported
no coordinates reported

sheen description incomplete
no sheen color reported

1157465 related?

water clarifier pump failure
discharge at 4685 foot depth; no sheen reported

no coordinates reported
pipeline leak; no segment or facility reported

hydraulic hose fitting leak; no sheen reported
release at 25 meters depth, no sheen reported

NESDIS report; no sheen color reported; appears to originate from facility
NESDIS report; no sheen color reported
no sheen color reported
release from exhaust; no coordinates reported
release at 5,230 foot depth; no sheen or block reported

release during pigging operations; no facility reported
no sheen description
no coordinates reported

no sheen size reported
release while decommissioning pipeline; no segment or facility reported
no block or sheen description
release at 300 meters depth; no sheen reported
release at 4,700 feet; no sheen reported

valve leak
bubbles observed during flyover; no sheen, segment or facility reported

release from lubricator; no facility reported

Contacted Fieldwood about volume discrepancy. The NRC report has the wrong dimensions rep

engine generator pipe failure; no sheen description
pinhole leak in riser pipe

no sheen color reported
no sheen color reported
source unknown, subsurface
pipeline leak on deck, no facility reported
lube oil from sump rain overflow
release while bringing system on-line; no facility reported
release while bringing platform on-line
pinhole leak on accumulator pump
hydraulic hose failure on deck and moon pool
no coordinates reported
hot stab connection leak; no sheen or coordinates
release at 1350 foot depth when disconnecting hot stab, no sheen or coordinates reported

leak from subsea wellhead; no location or sheen reported

related to NRC 1157342, but not same release; remediation work

oil bucket discharge line plugged; no facility or coordinates reported
investigations underway
crane hydraulic line burst; no sheen reported
hose broke at 500 foot depth; no sheen reported
no sheen description or block reported
oil and water release; platform shut in
valve leak; no sheen reported
No sheen color
transfer line failure
related to NRC 1159546; Wemco unit failure on unmanned platform; no sheen or facility descri
release at 7,049 foot depth; couplers failed; no sheen or facility reported

Pipeline segment 18700. Recorded as ethanol but know it is methanol as NOLA District investiga

Ankor reported unknown sheen but suspects it is from a Fieldwood pipeline

ROV

hose failure

no coordinates reported
leak from inspection tool at 4,500 foot depth; no sheen reported
pipeline above water surface; no facility or coordinates reported

Notification Investigation

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AREA_ABRV	Area	BLOCK
EW	Ewing Bank	834

ST	South Timbalier	34
SP	South Pass	70
PL	South Pelto	22
GC	Green Canyon	205
MP	Main Pass	118
EI	Eugene Island	341
MC	Mississippi Canyon	650
SP	South Pass	49
EI	Eugene Island	341
AC	Alaminos Canyon	201
GC	Green Canyon	205
SS	Ship Shoal	147
MC	Mississippi Canyon	20
MC	Mississippi Canyon	20
MP	Main Pass	72
GC	Green Canyon	236
WR	Walker Ridge	718
GB	Garden Banks - Lafayet	998
VK	Viosca Knoll	900
GC	Green Canyon	205
MC	Mississippi Canyon	20
HI	High Island	582
GC	Green Canyon	680
SP	South Pass	11
MC	Mississippi Canyon	822
EI	Eugene Island	182
GC	Green Canyon	52
SB	Sabine Pass (Texas)	
MP	Main Pass	299
MC	Mississippi Canyon	
MP	Main Pass	58
MC	Mississippi Canyon	778
MP	Main Pass	133
GC	Green Canyon	782
VR	Vermillion	315
MC	Mississippi Canyon	20
GC	Green Canyon	640
VK	Viosca Knoll	786
MC	Mississippi Canyon	822
MP	Main Pass	69
WD	West Delta	105
AC	Alaminos Canyon	
MP	Main Pass	77
MU	Mustang Island	
WD	West Delta	84
WD	West Delta	30
EW	Ewing Bank	305

VK	Viosca Knoll	817
MC	Mississippi Canyon	20
WC	West Cameron	480
GI	Grand Isle	59
WC	West Cameron	101
GB	Garden Banks - Lafayet	128
EW	Ewing Bank	834
VK	Viosca Knoll	956
EC	East Cameron	14
VR	Vermillion	342
GA	Galveston	304
GC	Green Canyon	806
MS	Mississippi Canyon	778
GB	Garden Banks - Lafayet	128
GB	Garden Banks - Lafayet	72
MC	Mississippi Canyon	20
GC	Green Canyon	237
GC	Green Canyon	640
MC	Mississippi Canyon	778
GB	Garden Banks - Lafayet	189
MP	Main Pass	260
SP	South Pass	70
MP	Main Pass	137
VR	Vermillion	311
MC	Mississippi Canyon	20
VK	Viosca Knoll	915
WD	West Delta	75
MC	Mississippi Canyon	109
GI	Grand Isle	115
MP	Main Pass	109
WD	West Delta	31
MC	Mississippi Canyon	20
GC	Green Canyon	859
WR	Walker Ridge	718
EW	Ewing Bank	305
ST	South Timbalier	299
VK	Viosca Knoll	915
MI	Matagorda Island	
SS	Ship Shoal	214
ST	South Timbalier	34
MC	Mississippi Canyon	20
GB	Garden Banks - Lafayet	783
MI	Matagorda Island	669
SM	South Marsh Island	223
MC	Mississippi Canyon	20
SP	South Pass	65
EC	East Cameron	2

MC	Mississippi Canyon	650
MP	Main Pass	311
WD	West Delta	95
SM	South Marsh Island	130
GB	Garden Banks - Lafayet	244
GB	Garden Banks - Lafayet	515
GB	Garden Banks - Lafayet	244
MP	Main Pass	140
MC	Mississippi Canyon	724
MC	Mississippi Canyon	20
GB	Garden Banks - Lafayet	783
BM	Bay Marchand	3
ST	South Timbalier	53
MP	Main Pass	142
WR	Walker Ridge	51
WD	West Delta	73
VR	Vermillion	376
WD	West Delta	109
MC	Mississippi Canyon	109
MP	Main Pass	296
SS	Ship Shoal	28
SS	Ship Shoal	208
MC	Mississippi Canyon	192
HI	High Island	408
SM	South Marsh Island	130
GI	Grand Isle	59
EI	Eugene Island	314
WD	West Delta	109
VR	Vermillion	329
MC	Mississippi Canyon	777
MC	Mississippi Canyon	20
WD	West Delta	73
SM	South Marsh Island	205
SP	South Pass	28
MO	Mobile	112
SS	Ship Shoal	66
SS	Ship Shoal	206
EW	Ewing Bank	834
SS	Ship Shoal	
GC	Green Canyon	608
MO	Mobile	859
BS	Breton Sound	31
ST	South Timbalier	34
MP	Main Pass	108
GB	Garden Banks - Lafayet	426
SM	South Marsh Island	
GC	Green Canyon	608

GB	Garden Banks - Lafayet	128
SM	South Marsh Island	130
SS	Ship Shoal	209
MC	Mississippi Canyon	20
SS	Ship Shoal	300
WD	West Delta	109
GB	Garden Banks - Lafayet	244
WD	West Delta	33
MC	Mississippi Canyon	812
WD	West Delta	
GC	Green Canyon	859
GB	Garden Banks - Lafayet	215
WC	West Cameron	167
GI	Grand Isle	92
WD	West Delta	109
GI	Grand Isle	61
WD	West Delta	32
GC	Green Canyon	903
EI	Eugene Island	341
VR	Vermillion	279
EB	East Breaks	160
VK	Viosca Knoll	915
MC	Mississippi Canyon	20
GC	Green Canyon	205
WR	Walker Ridge	51
MC	Mississippi Canyon	343
VR	Vermillion	279
BM	Bay Marchand	3
MP	Main Pass	42
MC	Mississippi Canyon	20
ST	South Timbalier	23
MC	Mississippi Canyon	496
HI	High Island	341
WC	West Cameron	426
MC	Mississippi Canyon	20
GC	Green Canyon	727
FP	Florida Plain	
GC	Green Canyon	726
GC	Green Canyon	770
VR	Vermillion	398
GC	Green Canyon	726
MC	Mississippi Canyon	777
MC	Mississippi Canyon	20
ST	South Timbalier	34
SM	South Marsh Island	76
MC	Mississippi Canyon	20
GC	Green Canyon	113

ST	South Timbalier	151
SS	Ship Shoal	214
MC	Mississippi Canyon	778
SS	Ship Shoal	183
VK	Viosca Knoll	989
MC	Mississippi Canyon	20
MC	Mississippi Canyon	724
SS	Ship Shoal	154
ST	South Timbalier	51
MP	Main Pass	311
ST	South Timbalier	130
MC	Mississippi Canyon	292
MC	Mississippi Canyon	20
SS	Ship Shoal	58
GC	Green Canyon	158
HI	High Island	24
MP	Main Pass	153
EW	Ewing Bank	834
GI	Grand Isle	116
SS	Ship Shoal	166
MP	Main Pass	99
GI	Grand Isle	22
GI	Grand Isle	70
HI	High Island	24
HI	High Island	341
EC	East Cameron	81
AC	Alaminos Canyon	50
MU	Mustang Island	
MC	Mississippi Canyon	778
MC	Mississippi Canyon	20
EW	Ewing Bank	305
WD	West Delta	29
MC	Mississippi Canyon	383
SP	South Pass	93
MC	Mississippi Canyon	323
SP	South Pass	89
WC	West Cameron	565
WC	West Cameron	173
MC	Mississippi Canyon	20
MC	Mississippi Canyon	215
WD	West Delta	73
GI	Grand Isle	116
WD	West Delta	710
MC	Mississippi Canyon	383
MC	Mississippi Canyon	20
GB	Garden Banks - Lafayet	998
GC	Green Canyon	640

MP	Main Pass	67
MP	Main Pass	69
VK	Viosca Knoll	915
MC	Mississippi Canyon	778
MC	Mississippi Canyon	474
WD	West Delta	61
MC	Mississippi Canyon	109
MC	Mississippi Canyon	20
MP	Main Pass	298
GC	Green Canyon	782
WR	Walker Ridge	
MP	Main Pass	73
GC	Green Canyon	19
WD	West Delta	31
SS	Ship Shoal	176
MC	Mississippi Canyon	20
EI	Eugene Island	212
GC	Green Canyon	640
SP	South Pass	28
HI	High Island	
MC	Mississippi Canyon	650
MC	Mississippi Canyon	383
MC	Mississippi Canyon	778
MP	Main Pass	310
EC	East Cameron	285
GC	Green Canyon	338
MC	Mississippi Canyon	474
MC	Mississippi Canyon	474
MC	Mississippi Canyon	20
WD	West Delta	31
SP	South Pass	60
MC	Mississippi Canyon	724
VK	Viosca Knoll	915
SS	Ship Shoal	214
MP	Main Pass	310
GC	Green Canyon	608
GI	Grand Isle	37
SP	South Pass	
GI	Grand Isle	33
MC	Mississippi Canyon	476
WD	West Delta	70
MP	Main Pass	310
MC	Mississippi Canyon	357
GI	Grand Isle	22
WD	West Delta	152
MC	Mississippi Canyon	20
VK	Viosca Knoll	956

MC	Mississippi Canyon	777
MC	Mississippi Canyon	777
MC	Mississippi Canyon	215
GC	Green Canyon	782
VK	Viosca Knoll	915
WD	West Delta	32
MP	Main Pass	
SS	Ship Shoal	243
SS	Ship Shoal	27
MC	Mississippi Canyon	20
GA	Galveston	343
GI	Grand Isle	91
MP	Main Pass	311
GC	Green Canyon	608
GB	Garden Banks - Lafayet	426
GC	Green Canyon	645
EC	East Cameron	61
MP	Main Pass	144
GC	Green Canyon	807
MP	Main Pass	289
GB	Garden Banks - Lake Cl	409
GB	Garden Banks - Lake Cl	409
MP	Main Pass	138
MC	Mississippi Canyon	20
MC	Mississippi Canyon	
EC	East Cameron	81
SP	South Pass	60
MP	Main Pass	311
GI	Grand Isle	22
MC	Mississippi Canyon	521
MC	Mississippi Canyon	383
GI	Grand Isle	
WD	West Delta	80
GC	Green Canyon	743
WD	West Delta	32
WC	West Cameron	198
WD	West Delta	31
WR	Walker Ridge	677
MC	Mississippi Canyon	20
GI	Grand Isle	59
MC	Mississippi Canyon	496
GC	Green Canyon	562
MC	Mississippi Canyon	807
WR	Walker Ridge	677
MC	Mississippi Canyon	20
SS	Ship Shoal	202
ST	South Timbalier	301

WD	West Delta	24
ST	South Timbalier	151
SP	South Pelto	6
GA	Galveston	424C
SP	South Pelto	6
EI	Eugene Island	330
GA	Galveston	343
511	Green Canyon	
MC	Mississippi Canyon	474
SP	South Pass	28
SS	Ship Shoal	300
GC	Green Canyon	726
MP	Main Pass	77
SS	Ship Shoal	207
ST	South Timbalier	301
VR	Vermillion	138
EI	Eugene Island	252
GB	Garden Banks - Lafayet	998
MC	Mississippi Canyon	20
GC	Green Canyon	782
GC	Green Canyon	645
ST	South Timbalier	67
MC	Mississippi Canyon	20

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LEASE	JURISDICTION	FACILITY	LAT_DEG
	New Orleans	A	

	Houma	C	
	New Orleans	C	29
	Houma	B	28
05911	Houma	A	27
	New Orleans	Unknown	29
	Lafayette		28
23688	New Orleans	A- Blind Faith	28
	New Orleans		28
2914	Lafayette	A	28
	Lake Jackson	Unknown	26
	Houma	A	27
	Houma	Unknown	28
	New Orleans	Unknown	28
	New Orleans	A	28
	New Orleans	Unknown	29
	Houma	Unknown	27
G32703	Houma	Jack St. Milo	
	Lafayette	Rig	27
	New Orleans	Unknown	
051318	Houma	A	27
	New Orleans	A	28
	Lake Jackson	C	27
	Houma	Unknown	27
	New Orleans		29
	New Orleans	Development Drill	28
	Lafayette	Unknown	28
25884	Houma		27
	OSPD-State	vessel Captain Kev	29
	New Orleans	FP	
	New Orleans	Unknown	28
0378	New Orleans		29
	New Orleans		28
	New Orleans	Unknown	
15610	Houma	Mad Dog	
4215	Lake Charles	Unknown	
	New Orleans	A	28
20082	Houma	Unknown	
12119	New Orleans	A-Petronius	
	New Orleans	Development Drill	28
	New Orleans	segment 14809	29
	New Orleans	Unknown	28
	Lake Jackson	Unknown	27
	New Orleans	A	
	OSPD-State		27
	New Orleans		28
00026	New Orleans	P	
23199	Houma	A	

G09743	New Orleans		29
	New Orleans	A	28
	Lake Charles		28
	New Orleans	Loop marine termi	28
	Lake Charles	Unknown	29
	Lafayette	A- Enchilada	
27982	New Orleans	A	
	New Orleans	F/V Bite Me	
	Lake Charles	Pipeline segment :	28
G33608	Lake Charles	A	28
	Lake Jackson		28
	Houma	Unknown	27
	New Orleans	Q5000	28
G11455	Lafayette	A- Enchilada	27
	Lafayette	M/V Cheramie Botruc	
	New Orleans	A	28
G15563	Houma	Helix Producer 1	
	Houma	Discoverer Inspirat	27
	New Orleans	ROV UHD310	28
G06358	Lafayette	A	
	New Orleans		
	New Orleans	Unknown	24
	New Orleans		29
	Lake Charles	Unknown	
	New Orleans	A	28
	New Orleans	Unknown	29
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24194	Houma		27
	Houma		29
	New Orleans	A	
	Houma	A	28
	New Orleans	A	29
	Lake Jackson	wellhead	
	Houma	Dustin Danos 8964458	
	Houma	A	
	New Orleans	A	28
	Lafayette	A	27
04065	Lake Jackson	A	28
	Lafayette		29
	New Orleans	A	28
G01610	New Orleans	A	29
16475	Lake Charles	5	27

G23688	New Orleans	A	28
G02213	New Orleans	A	29
	New Orleans		28
G02280	Lafayette	C	28
	Lafayette	Unknown	27
	Lafayette	Unknown	27
	Lafayette	subsea deep wate	27
	New Orleans	Unknown	29
G21776	New Orleans	GS1	28
	New Orleans	A	28
G11573	Lafayette	A	27
	Houma	Unknown	29
G04000	Houma	A	28
	New Orleans	Unknown	29
	New Orleans	Unknown	26
G01083	New Orleans	A	28
G01442	Lake Charles		28
	New Orleans	Unknown	
	New Orleans	Unknown	28
	New Orleans	Unknown	29
	Houma	A	29
	Houma	Unknown	28
	New Orleans	Unknown	28
	Lake Jackson	Unknown	28
	Lafayette	C	28
	New Orleans	LOOP	28
	Lafayette		28
	New Orleans	Unknown	28
	Lake Charles	A	
	New Orleans	vessel Q5000	28
	New Orleans	A	28
1083	New Orleans	A	
	Lafayette	A	27
0353	New Orleans	T	28
	OSPD-State	B	30
10830	New Orleans	A	29
	Houma	Unknown	28
	New Orleans	Capt Peyton P 122	28
2925	Houma	A	28
	Houma	Unknown	27
	New Orleans	Unknown	30
	New Orleans	Unknown	29
4842	Houma	A	28
4832	New Orleans	A	
7493	Lafayette	A	27
	Lafayette	Unknown	28
	Houma	Unknown	27

11455	Lafayette	A	27
2280	Lafayette	D	28
0827	Houma	A	28
	New Orleans	A	28
	Houma	B	
	New Orleans		
	Lafayette		27
	New Orleans	Unknown	29
	New Orleans	Noble Don taylor	28
	New Orleans	Unknown	29
	Houma	Noble Bob Dougla:	27
	Lafayette	Noble Paul Roman	27
	Lake Jackson		29
	New Orleans	Unknown	28
2937	New Orleans	A	28
	New Orleans	Renaissance	28
	New Orleans	S	29
	Houma	Ocean Blackhorne	27
02914	Lafayette	A	
G01181	Lake Charles	A	28
G02467	Lake Jackson	A	27
	New Orleans	Unknown	29
	New Orleans	A	28
G05911	Lafayette	A	27
	Houma	Unknown	26
	New Orleans	M/V Seven Pacific	28
G11881	Lake Charles	A	28
	Houma		29
	New Orleans		29
	New Orleans	A	28
00386	Houma	S	
G14005	New Orleans		28
	Lake Jackson	Unknown	
G22553	Lake Charles		28
	New Orleans	A	28
	Houma		27
	New Orleans		26
	Houma		27
	Houma		27
	Lake Charles		
	Houma	well 2	27
9868	New Orleans	rig Q 5000	28
	New Orleans	A	28
	Houma	Unknown	28
4460	Lafayette	D	
	New Orleans	A	28
	Houma	unknown	27

00463	Houma		28
	Houma	Unknown	28
	New Orleans	Helix Q5000	28
	Houma	I	28
	New Orleans	Unknown	29
	New Orleans	A	28
	New Orleans	Hos Mystique 947	28
00420	Houma		28
1240	Houma		28
	New Orleans	Unknown	28
	Houma	Unknown	28
	New Orleans	Unknown	28
	New Orleans	A	28
	Houma	Unknown	28
	Houma	Unknown	27
	Lake Jackson	L	29
1967	New Orleans	C	29
	New Orleans	A	
	New Orleans	Unknown	89
	Houma	Unknown	28
	New Orleans	Unknown	
	New Orleans		29
	New Orleans	Discoverer India 3297	
	Lake Jackson	Unknown	
	Lake Jackson	A	28
	Lake Charles	Unknown	29
	New Orleans	Unknown	26
	OSPD-State	Unknown	27
G09868	New Orleans		28
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	Houma	A	
00385	New Orleans		
	New Orleans	Siem Stingray	28
	New Orleans	Unknown	28
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	New Orleans	Unknown	28
	Lake Charles	Unknown	28
	Lake Charles	M/V Kelly Morriso	29
	New Orleans	A	28
	New Orleans	M/V Boa SudbC	28
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0836	New Orleans	O	28
	New Orleans	ROV XLX114	28
	New Orleans	A	28
	Lafayette	Unknown	27
	Houma	Unknown	

	New Orleans		29
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	New Orleans	A	29
	New Orleans	Q5000 IMO87721(	28
	New Orleans	Grant Candies IMC	28
	New Orleans	C	29
	New Orleans		28
	New Orleans	A	28
	New Orleans	Unknown	29
	Houma	Fast Goliath 9579951	
	Houma	ROV 1	26
	New Orleans	A	29
	Houma		27
	New Orleans	Unknown	29
	Houma	Unknown	
	New Orleans	A	28
	Lafayette	Unknown	28
	Houma	Discoverer Inspirat	27
	New Orleans		28
	Lake Jackson	Unknown	28
	New Orleans	Deep Blue 921535	28
	New Orleans	CM Stingray IMO-9	28
	New Orleans	Unknown	28
4126	New Orleans	A	29
	Lake Charles		28
21790	Houma		27
	New Orleans	ROV XLX59	28
G23624	New Orleans		28
	New Orleans	A	28
00016	New Orleans	E	29
	New Orleans	Unknown	29
G24101	New Orleans	GS-1	28
G06894	New Orleans	A	29
00828	Houma	L	28
G04126	New Orleans	A	29
	Houma	Ocean Interventio	27
00392	New Orleans	CS	
	New Orleans	Unknown	28
G04002	New Orleans	A	29
	New Orleans	Unknown	28
G01083	New Orleans	A	28
G04126	New Orleans	A	29
	New Orleans	Unknown	28
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G01604	New Orleans		
	New Orleans	Unknown	
G06896	New Orleans	A	29

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	New Orleans	Q5000	28
	New Orleans	Olympic Intervention 4	
G15610	Houma	Mad Dog	27
6894	New Orleans	Unknown	29
00026	New Orleans	ADE	29
	OSPD-State	Unknown	29
10780	Houma	A	28
	Houma	pipeline segment 9	29
	New Orleans	A	28
	Lake Jackson	A	28
	New Orleans	West Auriga	28
2213	New Orleans	A	29
	Houma		27
7493	Lafayette	A	27
11080	Houma		27
	Lake Charles	A-B	29
1634	New Orleans	A	29
	Houma	Pacific Sharov 923	27
	New Orleans	Unknown	
	Lake Charles	Dove ROV	
	Lake Charles	Dove	
	New Orleans	Unknown	29
	New Orleans	A	28
	New Orleans		
	Lake Jackson	Well 84	29
	New Orleans	Unknown	29
2213	New Orleans		
	New Orleans	L	29
	New Orleans	Deep Blue 921535	28
	New Orleans	Siem Stingray IMO	28
	New Orleans	Unknown	29
1874	New Orleans	D	28
	Houma	West Auriga 9609	27
	New Orleans	Unknown	29
G03265	Lake Charles	A	29
	New Orleans		29
	Houma		26
	New Orleans	A	28
	New Orleans	LOOP	
G14005	New Orleans		
	Houma	Ocean Black Horne	27
G07963	New Orleans	B	28
	Houma		26
	New Orleans	Taylor	
	Houma	Unknown	28
	Houma		28

	New Orleans		
	Houma	Unknown	28
G09651	Houma		28
	Lake Jackson	Wellhead	
	Houma	M/V Trinity	28
	Lafayette	Unknown	
	Lake Jackson	A	
	Houma	Unknown	27
	New Orleans	Skandi Achiever	28
00694	New Orleans	V	28
G07760	Houma	B	
	Houma	Unknown	27
G04481	New Orleans	A	
	Houma	Unknown	28
	Houma		28
	Lake Charles	Unknown	29
	Lafayette	Unknown	28
	Lafayette	rig Santa Ana	27
	New Orleans	A	28
	Houma	Unknown	
	Houma	M/V Island Enforc	27
	Houma		
	New Orleans	A	28

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56	10

EED_INFO REQUESTED

contacted District

contacted District

Contacted BSEE Lafayette District for investigation

call New Orleans district

BSEE District investigating

District follow-up

District follow-up

contact District

District contacted

District contacted

NOLA District investigating
Called platform to get documentation

Contact Fieldwood HSE
Contact NO District

Calling responsible party for more information

Inform Lake Charles District; Lake Charles investigated with overflights and saw no sheen or oil i

LATITUDE

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8/23/2016

9/12/2016

9/29/2016

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EED RFI AND RQ NOTES
below action level
Taylor, nfa
Below action level
Deferred to USEPA
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Amount reported below action level
Amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; no significant sheen reported
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Amount reported below action level
Release secured; amount reported below action level
Unknown release volume
Amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Deferred to State
Amount reported below action level
Monitor for source
Taylor, no further action
Below action level
Below action level
below action level
Below action level
Deffered to BSEE Air
Taylor, no further action
Below action level
Below action level
Below action level
Taylor, no further action
Below action level

Below action level
Need more information in report to assess
Taylor, no further action
Deferred to BSEE Air Program and BSEE Pipelines Section
Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Need more info to assess
Below action level
Below action level
Monitor for source reports
Most probably due to Taylor
Taylor, no further action
Taylor, no further action
Monitor for source
Below action level
Cannot determine size as lacking info
Below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Amount reported below action level
Taylor, no further action
Unknown release volume, Observe for future sheen
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Taylor, no further action
Amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level

Below action level
Taylor, no further action
Taylor, no further action
below action level
Below action level
Taylor, no further action
Below action level
Taylor, no further action
Below action level
Deferred to BSEE Air Program and BSEE Pipelines Section
Taylor, no further action
Below action level
Below action level
Below action level
Deferred to BSEE Air Program and BSEE Pipelines Section
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume, Observe for future sheen
Taylor, no further action
Release secured; amount reported below action level
Deferred to USCG; Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; no significant sheen reported
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Release secured; no significant sheen reported
Taylor, no further action
Deferred to USCG
Release secured; no significant sheen reported
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Deferred to USCG
Unknown release volume; Observe for future sheen
Deferred to BSEE Pipelines Section
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section
Deferred to USCG
Volume from reported sheen calculates to < 1 gallon; below action level
Volume from reported sheen calculates to < 1 gallon; below action level
Deferred to EPA; release secured
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action

Release secured; amount reported below action level
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section and BSEE Air Program
Below action level
cannot determine status due to a lack of info reported
Taylor, no further action
below action level
monitor for amount
Taylor, no further action
below action level
below action level
Below action level
below action level
below action level
Taylor, no further action
Below action level
monitor
Monitor
below action level
below action level
Deferred to USEPA
Below action level
Below action level
Taylor, no further action
below action level
below action level
below action level
Below action level
below action level
Taylor, no further action
deferred to BSEE Pipelines and Air
below action level
Monitor for source
below action level
Below action level
deferred to USEPA
need more info to investigate
Deferred to BSEE Air
Below action level
Release secured; no significant sheen reported
Taylor, no further action
Amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Unknown release volume; Observe for future sheen

Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Observe for future sheen
Taylor, no further action
Observe for future sheen
Deferred to State; Release secured; amount reported below action level
Release secured; no significant sheen reported
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section
Release secured; no significant sheen reported
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Taylor, no further action
below action level
below action level
below action level
Taylor, no further action
below action level
Deferred to USCG
below action level
below action level
below action level
below action level
below action level
below action level
Taylor, no further action
below action level
below action level
below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Taylor, no further action
Release secured; no significant sheen reported
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level

Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Unknown release volume; Observe for future sheen
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Observe for future sheen
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Deferred to BSEE Pipelines Section
Observe for future sheen
Taylor, no further action
Deferred to USCG
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Unknown release volume
below action level
below action level
Below action level
Taylor, no further action
Below action level
Below action level
below action level
Taylor, no further action
Below action level
Below action level
Taylor, no further action
Deferred to Pipelines Section; below action level
below action level
Taylor, no further action

Deferred to USCG
below action level
below action level
Taylor, no further action
Below action level
below action level
below action level
below action level
Deferred to USEPA
Below action level
Monitor
Taylor, no further action
below action level
below action level
Taylor, no further action
Deferred to Pipelines Section; Release secured; volume calculated from sheen size below action
Unknown sheen source; amount calculated from sheen size below action level
Amount reported below action level
Unknown release volume
Amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Taylor, no further action
Taylor, no further action
contact district
Taylor, no further action
Amount reported below action level
Taylor, no further action
Deferred to USEPA
below action level
below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Unknown release volume
Unknown release volume
Taylor, no further action
Taylor, no further action
Observe for future sheen
Below action level
Below action level
Taylor, no further action
Monitor

Deferred to Pipelines Section; Below action level
Taylor, no further action
Full investigation warranted
Below acction level
Below action level
Observe for future sheen
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Amount reported below action level
Taylor, no further action
Deferred to Pipelines Section; Amount reported below action level
Taylor, no further action
Amount reported below action level
Amount reported below action level
Observe for future sheen
Taylor, no further action
Unknown release volume
Taylor, no further action
Monitor
Below action level
Amount reported below action level
Amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Taylor, no further action
Deferred to USCG; Amount reported below action level
Taylor, no further action
below action level
Below action level
Below action level
Below action level
Defer to USEPA
Below action level
Below action level
Below action level
Below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level

Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Calculated volume from sheen size, below action level
Release secured; amount reported below action level
Taylor, no further action
Monitor
large volume but no RQ
below action level
not allowed to discharge. Deferred to USEPA
below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Below action level
Below action level
Deferred to USEPA
Taylor, no further action
below action level
Below action level
Below action level
Deferred to State
Release secured; no significant sheen reported
Release secured; no significant sheen reported
Release secured; amount reported below action level
Amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Taylor, no further action
below action level
Deferred to USCG
Below action level
Deferred to USCG
monitor
Below action level
Below action level
Monitor
Below action level
Below action level
Monitor
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section

Taylor, no further action
Below action level
Below action level
Taylor, no further action
Below action level
Taylor, no further action
Release secured; no significant sheen reported
E100; Deferred to District and OSPD
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Below action level
Below action level
Major release of toxic material
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Release secured; amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; crew removing water in sump
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level

Taylor, no further action
Deferred to District
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
below action level
below action level
Below action level
below action level
Deferred to USEPA
Taylor, no further action
below action level
Below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Deferred to BSEE OSPD
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volum
Release secured; amount reported below action level
investigation underway; Observe for future sheen
Observe for future sheen
Taylor, no further action
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; no significant sheen reported
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Amount reported below action level; Observe for future sheen
Observe for future sheen
Deferred to State
Amount reported below action level; Observe for future sheen
Deferred to State
Taylor, no further action
Deferred to BSEE Pipelines Section; Observe for future sheen
Release secured; amount reported below action level

Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level; USCG jurisdiction
Taylor, no further action
Cannot calculate, no description
Below action level
Cannot calclate
Below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume
Release secured; amount reported below action level
Calculated volume from sheen size, below action level
Release secured; amount reported below action level
Taylor, no further action
clarifier cleaned out
Release secured; amount reported below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; no significant sheen reported
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Deferred to USCG; Amount reported below action level
Below action level

Below action level
Taylor, no further action
Below action level
Cannot evaluate, no description
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level; Observe for futu
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section; Deferred to BSEE Air Program
Unknown release volume; Observe for future sheen
Taylor, no further action
Deferred to BSEE Pipelines Section; Unknown release volume
Release secured; amount reported below action level
Release secured; amount reported below action level
Amount reported below action level
Unknown release volume; Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
below action level
below action level
monitor
Deferred to USCG
Below action level
Deferred to USEPA
Below action level
Below action level
Below action level
Sump release; below action level

Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
deferred to USCG
Unknown sheen source; amount calculated from sheen size below action level
Amount reported below action level
Amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Deferred to USCG; Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Amount reported below action level
Below action level
Below action level
Below action level
Deferred to USCG
Below action level; Deferred to BSEE Pipelines Section
below action level
Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Monitor for source....Taylor?
Calculated volume from sheen size, below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume
Release secured; amount reported below action level

Taylor, no further action
Below action level
Release secured; amount reported below action level
Unknown release volume
Release secured; amount reported below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Amount reported below action level
Taylor, no further action
Taylor, no further action
Release secured; amount reported below action level
Amount reported below action level; Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
not enough info to evaluate
below action level
below action level
cannot evaluate not enough info given
below action level
Taylor, no further action
Below action level
Below action level
Monitor
Below action level
Below action level
Deferred to BSEE Air
Below action level
Below action level
Below action level
Deferred to BSEE OSPD
Taylor, no further action
Monitor for source, large release
Below action level
Observe for future sheen
Amount reported below action level; Observe for future sheen
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Observe for future sheen
Observe for future sheen

Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Observe for future sheen
Taylor, no further action
Release secured; amount reported below action level
Below action level
Observe for future sheen
Release secured; amount reported below action level
Observe for future sheen
Observe for future sheen
deferred to USCG
Release secured; amount reported below action level
deferred to Pipelines Section. Observe for future sheen
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Deferred to USCG
Deferred to BSEE Pipelines Section
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen; Amount reported below action level
Taylor, no further action
Observe for future sheen; Unknown release volume
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Amount reported below action level; operator monitoring for release
Unknown release volume
Deferred to EPA; release secured
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level

Release secured; amount reported below action level
Deferred to State
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Deferred to State
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Unknown sheen source; amount calculated from sheen size below action level
Follow up with Lake Jackson District; INC issued
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
follow up with New Orleans District
Release secured; amount reported below action level
Deferred to State
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; no significant sheen reported
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Deferred to District
Deferred to District
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Observe for future sheen

Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Deferred to USCG
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Amount reported below action level
Deferred to EPA; release secured
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
need to retrieve tank; monitor
Below action level
Below action level
Below action level
Below action level
below action level; monitor
Below action level
Below action level
Large sheen area; monitor
below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Release of syn DF
Below action level
Below action level
Below action level
Probably below action level; monitor for update or sheen report
Below action level
Below action level
Below action level
Below action level
Need to investigate; referreded to Houma District and OSPD
Taylor, no further action
Below action level; Deferred to BSEE Pipelines Section
Below action level
Below action level
Deferred to USCG
below action level
Below action level
Below action level
Below action level
Below action level
Below action level

Below action level
Below action level
Below action level
Below action leve
Below action leve
Below action level
Below action level
Taylor, no further action
Below action level
Monitor
Monitor for source
Below action level
Taylor, no further action
Below action level
Cannot calc not enough info
Below action level
Below action level
Cannot calculate
Syn DF release; small quantity; release secured; deferred to EPA
Below action level
Below action level
cannot calc
Below action level
Taylor, no further action
below action level
below action level
Below action level
Monitor
Monitor for source
Below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level; Observe for futu
Unknown release volume; Observe for future sheen
Deferred to State
platform shut in
Deferred to EPA; release secured

Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Deferred to BSEE Pipelines Section
overboard water line shut off
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown release volume
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Deferred to State
Release secured; volume calculated from sheen size below action level
Observe for future sheen
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown release volume
Observe for future sheen
Observe for future sheen
Taylor, no further action
Taylor, no further action
Monitor for source
Below action level
Below action level
Cnnot evaluate, need more info
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Taylor, no further action
Release secured; amount reported below action level
Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Deferred to State
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Amount reported below action level
Unknown release volume; Observe for future sheen
Unknown release volume

Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen
Release secured; amount of oil released below action level
Deferred to State
Deferred to BSEE Pipelines Section
Release secured; amount reported below action level
Release secured; amount reported below action level
Amount reported below action level
Taylor, no further action
Deferred to BSEE Pipelines Section and BSEE Air Program
Deferred to USCG
Observe for future sheen
Release secured; no significant sheen reported
Release secured; amount reported below action level
Deferred to USCG
Deferred to OEC Air
Below action level
Monitor for source
Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Below action level
Monitor for source; probably Taylor
Monitor
Deferred to OEC Air; monitor
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level

Release secured; amount reported below action level
Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Calculated volume from sheen size, below action level; Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Amount reported below action level; Deferred to EPA; release secured
Release secured; volume calculated from sheen size below action level
Deferred to EPA; release secured; Observe for future sheen
Release secured; amount reported below action level; Deferred to BSEE Pipelines Section
Taylor, no further action
Observe for future sheen
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Taylor, no further action
Below action level
Deferred to OEC Air
Below action level
Below action level
Below action level
Below action level
Cannot evaluate, need more info
Cannot evaluate, not enough info
Monitor for repair and volume released
monitor for source
Need more info
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Cannot evaluate, not enough info
Below action level
Below action level
Below action level
Below action level
Cannot evaluate, not enough info
Below action level
Below action level
Below action level

Below action level
Unknown sheen source
Below action level
Estimated to be below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Need more information to determine release circumstances; release secured
Release secured; volume calculated from sheen size below action level
need more info to calculate
Below action level
Below action level
Taylor, no further action
Below action level
Monitor for source

Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Large spill; possible investigation
Defer to OEC Air
Below action level
Taylor, no further action
Observe for future sheen; Deferred to BSEE Pipelines Section
Observe for future sheen
Observe for future sheen; Deferred to BSEE Pipelines Section
Observe for future sheen; Deferred to BSEE Pipelines Section
Release secured; volume calculated from sheen size below action level
Observe for future sheen; Deferred to BSEE Pipelines Section
observe for future discharge
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown release volume; Observe for future sheen
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Observe for future sheen
Taylor, no further action
Observe for future sheen; Deferred to USCG
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount Amount reported below action level
Unknown release volume
Unknown release volume;; Observe for future sheen
Release secured; volume calculated from sheen size below action level
Observe for future discharge
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level

Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Unknown release volume
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Monitor for source
Monitor for source
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Deferred to BSEE Pipelines Section; Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown release volume; Observe for future sheen
Taylor, no further action
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Observe for future sheen
Taylor, no further action
Observe for future sheen
Release secured; volume calculated from sheen size below action level
Deferred to BSEE Pipelines Section; Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen; Deferred to BSEE Pipelines Section abd BSI

Release secured; amount reported below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
below action level; however, it appears that a lack og containment and sump systems caused th
Below action level; however OEC WQ is following up to see if the permit was complied with for
Below action level
Below action level
Below action level
Below action level
Below action level; monitor for source
Below action level
Cannot estimate not enough information
Below action level
Reported volume does not match the calculated amount; possible investigation
This based on the description indicates potentially a large volume of oil; monitor for source
Below action level
NO District investigating; ERA report NRC 1158842 indicates much more oil than reported here
taylor location; no action
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
If dimensions and descriptions are correct this is a large amount of oil; monitor for source
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action
Release secured; no significant sheen reported
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level

Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; volume calculated from sheen size below action level
District inpection
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Below action level
NOLA District did investigation; amout released over RQ
Below action level
Below action level
Below action level
No action Taylor
Below action level; monitor for source
Below action level
Below action level
Below action level
No pollution reported
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Calculates to large volume; monitor for source
Below action level
Release secured; amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action
LONG_MIN

56
35
31
45
32
15
3
34
42
31
8
58
58
41
6

27

31
58
23
58
16
29
41
30
49

5
59
30

58

28
1
36
16

16
25

27
58
10
1
9

53
31
8
14
29
59

58

45
29

56
45

58
54
41

1
39

58
48
9

22
54

58
12
25
59
58
51
0

15
45
49
59
44
25
44
53
59
58
12
9
27
45
34
42
14

55
40
9
55
10
19
59
1
44
27

30
58

54
14
7
49
58
56
16
10
30
15
29

26
3
10

59
0
54
58

44
42
57
36
48
58
26
2
27
6
40
47

30
33
56
58
31
34
26
30
9
1
58

22

19
58
48
17
50
50

50
30
58
29

58
43

14
51
30
58
37
58
59
11
30
47
9
35
58
13
38
11
50

18
51

57

52
57
35
10
30
58

26
24

23
24
9
58
15
42
4
47
26
58
27

5
1
56
30
17
37
55
58
44

30
54
35
40

58
20
45
15
45
15
26
29
41
46
26
17
17
58
40
57
59
56
52
41
10

0
55
10
45
41
41

19
32

16
54
41
15
8
6
58
15
0
45
10
26
32
38
40
12

48
58

57
57

58
9
26
57
30
1
41
14
40
5
58

15
14
5

58
40

14
30

30

34
17
14

0

58
40
26
31
27
58

30

58

Wind Direction (Degrees)

DEPARTMENT OF THE INTERIOR Mail - Potential Large Unknown Sheen report.pdf

LONG_SEC LONGITUDE

34	-88.94278
38	-90.59389
8	-90.51889
57	-88.76583
16	-91.53778
56	-88.26556
51	-89.06417
16	-91.57111
22	-94.70611
8	-90.51889
17	-91.13806
12	-88.97
8	-88.96889
13	-88.68694
59	-91.11639
42	-92.46167
8	-90.51889
8	-88.96889
51	-94.3975
4	-90.96778
47	-89.27972
0	-88.48333
47	-91.69639
27	-91.5075
40	-93.82778
7	-89.08528
35	-88.99306
6	-88.50167
8	-88.96889
0	-88.46667
18	-89.02167
6	-89.60167
57	-97.2825
57	-97.2825
26	-89.42389

21	-88.45583
8	-88.96889
16	-93.17111
30	-90.025
40	-93.16111
58	-92.89944
49	-92.53028
5	-95.13472
6	-91.235
54	-88.49833
11	-91.98639
8	-88.96889
12	-90.75333
42	-88.495
34	-88.94278
29	-88.75806
8	-88.96889
37	-87.91028
0	-89.68333
21	-90.0225
36	-88.66
8	-88.96889
9	-90.8025
22	-91.15611
48	-90.38
37	-87.91028
8	-88.96889
9	-92.2025
46	-96.42944
53	-91.99806
8	-88.96889
26	-88.85722
27	-93.0075

56	-88.26556
46	-88.76278
18	-89.82167
33	-91.9925
22	-92.73944
59	-92.43306
25	-92.74028
59	-88.89972
43	-88.99528
8	-88.96889
9	-92.2025
45	-90.1625
34	-90.45944
35	-88.75972
17	-91.57139
21	-89.70583
2	-92.23389
50	-88.93056
54	-88.68167
9	-91.1525
32	-90.92556
24	-89.17333
0	-94.31667
33	-91.9925
30	-90.025
22	-91.73944
12	-89.45333
0	-88.5
8	-88.96889
23	-91.90639
56	-89.24889
18	-88.12167
34	-90.82611
49	-90.98028
53	-89.94806
34	-91.27611
53	-90.18139
20	-88.50556
41	-89.26139
13	-90.48694
36	-92.44333
0	-92.05
53	-90.18139

11	-91.98639
40	-92.01111
37	-90.91028
8	-88.96889
25	-92.74028
42	-89.71167
38	-88.96056
36	-89.61
9	-90.8025
12	-91.97
35	-93.44306
0	-90.03333
12	-89.45333
42	-90.11167
42	-89.67833
42	-90.795
36	-92.51
5	-94.55139
37	-87.94361
8	-88.96889
8	-90.51889
17	-96.57139
6	-88.435
36	-90.51
45	-90.1625
12	-89.02
8	-88.96889
22	-89.37278
28	-93.32444
8	-88.96889
32	-90.80889
0	-82.28333
11	-90.83639
11	-90.83639
11	-90.83639
0	-88.5
8	-88.96889
13	-90.48694
8	-88.96889
10	-90.71944

59	-90.24972
45	-90.8625
7	-88.50194
43	-90.97861
34	-88.62611
8	-88.96889
24	-88.99
34	-91.19278
15	-90.50417
39	-89.79417
21	-90.15583
42	-88.595
8	-88.96889
7	-91.21861
51	-90.6475
47	-94.19639
55	-88.84861
33	-28.30917
52	-90.86444
43	-89.96194
10	-93.86944
56	-92.96556
35	-95.59306
52	-97.18111
6	-88.50167
8	-88.96889
12	-88.43667
29	-89.40806
28	-89.39111
43	-93.41194
54	-93.165
8	-88.96889
0	-88.25
21	-89.70583
13	-90.07028
2	-89.78389
3	-88.43417
8	-88.96889
42	-92.46167

55	-89.09861
39	-89.0275
37	-87.94361
6	-88.50167
3	-88.28417
48	-89.63
49	-88.93028
8	-88.96889
29	-88.74139
0	-90.5
29	-88.90806
53	-90.59806
33	-89.67583
8	-88.96889
10	-91.33611
12	-90.75333
58	-89.26611
46	-93.76278
52	-88.26444
2	-88.43389
43	-88.49528
0	-88.68333
17	-92.77139
28	-90.44111
18	-88.28833
20	-88.28889
8	-88.96889
33	-89.67583
22	-88.95611
43	-88.99528
37	-87.94361
19	-90.87194
0	-88.68333
48	-90.18
18	-89.005
41	-89.92806
18	-88.17167
37	-89.76028
0	-88.68333
43	-89.69528
30	-88.09167

8	-88.31889
0	-88.53333
7	-90.26861
37	-87.91028
45	-89.69583
48	-89.26333
13	-91.13694
52	-91.11444
8	-88.96889
42	-95.26167
0	-90
46	-88.76278
53	-90.18139
36	-92.44333
8	-90.53556
25	-93.64028
9	-88.66917
37	-91.21028
19	-88.80528
8	-88.96889
1	-92.95028
50	-88.96389
39	-89.9775
16	-88.15444
3	-88.43417
33	-89.95917
41	-89.51139
54	-90.03167
23	-89.68972
32	-93.24222
33	-89.67583
39	-91.09417
8	-88.96889
54	-90.265
21	-89.23917
42	-91.095
46	-90.97944
2	-90.66722

43	-90.24528
57	-90.51583
57	-90.51583
47	-90.57972
18	-88.28833
43	-89.24528
50	-90.01389
49	-90.98028
2	-90.66722
51	-92.4475
36	-91.52667
42	-92.46167
8	-88.96889
19	-90.50528
8	-88.96889

Wind Speed (Knots)	Ocean Current Direction (Degrees)	Ocean Current Speed (Knots)

REPORTED_CAUSE	WEATHER_INFLUENCE	RELEASED_MATERIAL
Equipment Failure		hydraulic oil

Unknown		unknown oil
Unknown		Unknown oil
Other		condensate
Other		crude oil
Unknown		Unknown oil
Equipment Failure		crude iol
Other		crude oil
Unknown		unknown oil
Unknown		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		crude oil
Equipment Failure		drilling fluid (synthetic)
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		unknown oil
Equipment Failure		unknown oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		other oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		drilling brine
Unknown		condensate
Unknown		crude oil
Equipment Failure		crude oil
Equipment Failure		unknown oil

Natural Phenomenon		unknown oil
Hurricane	Hurricane	crude oil
Unknown		natural gas
Unknown		unknown oil
Unknown		Unknown oil
Equipment Failure		unknown oil
Operator Error		crude oil and completion fluid
Unknown		unknown
Unknown		Natural gas
Unknown		unknown oil
Unknown		Unknown
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		other oil
Equipment Failure		diesel
Hurricane	Hurricane	crude oil
Other		unknown oil
Equipment Failure		hydraulic oil
Unknown		hydraulic oil
Equipment Failure		ethylene glycol
Unknown		condensate
Unknown		Unknown oil
Unknown		unknown oil
Unknown		Natural gas
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		crude oil
Unknown		Unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		drilling fluid (low tox)
Natural Phenomenon	Heavy Rain	crude oil
Unknown		Unknown oil
Unknown		unknown oil
Other		other oil
Other		crude oil
Natural Phenomenon	Heavy Rain	crude oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Operator Error		unknown oil
Equipment Failure		crude oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		natural gas

Equipment Failure		other oil
Equipment Failure		crude
Equipment Failure		crude
Other		crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		crude
Unknown		Unknown oil
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Unknown		Unknown oil
Equipment Failure		other oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		crude
Equipment Failure		crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		Crude
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Operator Error		motor oil
Equipment Failure		crude
Unknown		unknown oil
Unknown		Unknown oil
Other		unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Other		crude oil
Equipment Failure		crude oil
Unknown		unknown oil
Equipment Failure		condensate
Unknown		Unknown oil
Operator Error		oily water
Equipment Failure		unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		Crude oil
Equipment Failure		pickling fluid
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil

Operator Error		crude oil
Equipment Failure		crude oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		oil and water
Unknown		unknown oil
Equipment Failure		crude and hydraulic oil
Unknown		Unknown oil
Other		drilling fluid (low tox)
Unknown		Unknown oil
Equipment Failure		drilling fluid (low tox)
Equipment Failure		hydraulic oil
Equipment Failure		condensate
Unknown		Unknown oil
Natural Phenomenon	Heavy Rain	unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		crude oil
Equipment Failure		calcium bromide
Unknown		ethylene glycol
Equipment Failure		crude
Equipment Failure		crude
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Other		crude
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Other		Unknown
Equipment Failure		crude
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Equipment Failure		crude
Equipment Failure		methanol
Unknown		gas bubbles
Equipment Failure		crude
Hurricane	Hurricane	crude oil
Operator Error		other oil
Unknown		unknown oil
Operator Error		other oil
Operator Error		other oil
Unknown		crude oil
Operator Error		other oil
Equipment Failure		ethylene glycol
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		unknown oil

Operator Error		crude oil
Unknown		Unknown oil
Equipment Failure		well fluid
Unknown		unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		gear oil
Equipment Failure		crude oil
Unknown		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		unknown oil
Equipment Failure		diesel
Unknown		drilling fluid (syn) and brine
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		oily water
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		crude
Hurricane	Hurricane	crude oil
Natural Phenomenon	Heavy Rain	unknown oil
Equipment Failure		unknown oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Unknown		Unknown oil
Other		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		crude
Unknown		diesel
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		Unknown oil

Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		gear oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		Unknown oil
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Unknown		hydraulic oil
Unknown		crude oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Unknown		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Unknown		natural gas
Unknown		crude oil
Other		hydraulic oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Equipment Failure		other oil
Unknown		Unknown oil
Natural Phenomenon		other oil
Other		crude
Unknown		crude
Unknown		crude
Equipment Failure		hydraulic oil
Equipment Failure		crude
Unknown		Unknown oil
Equipment Failure		unknown oil
Unknown		Unknown oil
Equipment Failure		unknown oil
Unknown		crude
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		unknown oil
Unknown		Unknown oil
Equipment Failure		motor oil

Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Other		unknown oil
Unknown		Unknown oil
Equipment Failure		chemicals
Unknown		Unknown oil
Equipment Failure		motor oil
Equipment Failure		condensate
Hurricane	Hurricane	crude oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		unknown oil
Equipment Failure		crude oil
Natural Phenomenon		lube oil
Equipment Failure		crude oil
Equipment Failure		condensate
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		ethylene glycol
Unknown		Unknown oil
Hurricane	Hurricane	crude oil
Equipment Failure		crude oil
Unknown		diesel
Unknown		Unknown oil
Operator Error		crude oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Unknown		Unknown oil
Equipment Failure		condensate
Equipment Failure		crude oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Other		crude
Other		methanol
Equipment Failure		drilling fluid (low tox)
Equipment Failure		transmission fluid
Equipment Failure		other oil
Hurricane		crude
Unknown		Unknown oil
Equipment Failure		hydraulic oil

Other		condensate
Unknown		Unknown oil
Unknown		seawater
Unknown		crude
Equipment Failure		
Unknown		Unknown oil
Other		unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Equipment Failure		crude
Equipment Failure		other oil
Unknown		Unknown oil
Equipment Failure		condensate
Unknown		Unknown oil
Other		crude
Unknown		Unknown oil
Unknown		Unknown oil
Equipment Failure		hydraulic oil
Hurricane	Hurricane	crude oil
Unknown		Unknown oil
Equipment Failure		ethylene glycol
Unknown		crude oil
Hurricane	Hurricane	crude oil

Sheen Direction (Degrees)	Notification Investigation
137	
90	

360

RELEASED_CATEGORY	SHEEN_COLOR	VOLUME_GALLONS	VOLUME_OTHER
Manufactured Hydrocarbons		0.25	32 oz.

Unknown	barely discernable	0	calculated < 0.005 gal
Unknown			Unknown
Produced Hydrocarbons	silvery	0.0001	
Produced Hydrocarbons	silvery	0.002	
Unknown	barely discernable	112.5	Unknown (calc)
Produced Hydrocarbons	rainbow	0.2	
Produced Hydrocarbons	barely discernable	0.0004	
Unknown	dark black	16	
Produced Hydrocarbons	silvery	0.01	calculated
Unknown			Unknown
Unknown	silvery	50	Unknown (calc)
Unknown	other	47.25	Unknown (calc)
Unknown			Unknown
Produced Hydrocarbons	silvery	33.47	
Unknown	silvery	50	Unknown (calc) 1.19 bbls
Unknown	rainbow	0.06	Unknown (calc)
Produced Hydrocarbons	rainbow	0.01	
Manufactured Hydrocarbons			Unknown
Unknown	rainbow	7.75	Unknown (calc)
Unknown			Unknown
Produced Hydrocarbons	silvery	95.52	
Produced Hydrocarbons	silvery	0.00022	
Unknown	silvery	25	Unknown (calc)
Produced Hydrocarbons	silvery	1.619	
Drilling Fluids		0.00004	
Unknown	silvery	15	Unknown (calc)
Produced Hydrocarbons	barely discernable	0.43	
Unknown			unknown
Unknown	rainbow	0.01	calculated
Unknown			Unknown
Produced Hydrocarbons	silvery	0.142	
Manufactured Hydrocarbons		0	4 drops
Unknown			Unknown
Manufactured Hydrocarbons			unknown
Unknown	rainbow	0	calculated < 0.005 gal
Produced Hydrocarbons	barely discernable	245	calculated
Unknown			Unknown
Produced Hydrocarbons	silvery	0.06457	
Manufactured Hydrocarbons		0.1	
Produced Hydrocarbons	silvery	0.02	calculated
Unknown	silvery	0	calculated < 0.005 gal
Unknown	barely discernable	156.25	Unknown (calc)
Chemicals	rainbow	0	calculated < 0.005 gal
Produced Hydrocarbons	silvery	5.68	calculated
Produced Hydrocarbons	unknown	0	estimated < 0.005 gal
Produced Hydrocarbons	rainbow	0.12	
Unknown	barely discernable	0.034	

Unknown	light brown	0.36	1.44 qts
Produced Hydrocarbons	barely discernable	22.85	
Produced Hydrocarbons			unknown
Unknown		0	20 - 30 drops
Unknown	dark black	47	Unknown (calc)
Unknown	silvery	0.00005	
Produced Hydrocarbons	silvery	0.031	4 oz.
Unknown			Unknown
Produced Hydrocarbons			Unknown
Unknown	silvery	0.1	Unknown (calc)
Unknown	silvery		Unknown
Unknown	dark	0.1	Unknown (calc)
Manufactured Hydrocarbons		0.75	3 liters
Other	gray	0.71	
Manufactured Hydrocarbons		1	
Produced Hydrocarbons	b disc	16.72	
Chemicals	b disc	0.0014	
Manufactured Hydrocarbons		0.25	8 ozs
Manufactured Hydrocarbons		1.2	
Chemicals	b disc	0.00224	
Produced Hydrocarbons		0.01	Unknown (calc)
Unknown	silvery	1050	Unknown (calc)
Unknown			unknown
Produced Hydrocarbons			Unknown
Produced Hydrocarbons	b disc	69.74	
Unknown	rainbow	0.04	Unknown (calc)
Unknown			Unknown
Unknown	silvery	2.84	Unknown (calc)
Produced Hydrocarbons	silvery	1	
Unknown	rainbow	3.59	Unknown (calc)
Produced Hydrocarbons	rainbow	0.02	
Produced Hydrocarbons	silvery	136	
Drilling Fluids		0	calculated <0.0005 gal
Produced Hydrocarbons			unknown
Unknown	silvery	0.01	Unknown (calc)
Unknown	silvery		unknown
Other	silvery	0.003	
Produced Hydrocarbons	silvery	0.05	calculated
Produced Hydrocarbons			unknown
Produced Hydrocarbons	silvery	1.8	
Produced Hydrocarbons	silvery	750	caculated
Unknown	silvery	150	Unknown (calc)
Unknown	silvery	0.02	calculated
Produced Hydrocarbons	silvery	11.36	
Produced Hydrocarbons	barely discernable	10.14	
Produced Hydrocarbons	black	0.01	
Produced Hydrocarbons			Unknown

Produced Hydrocarbons	silvery	0.0107	
Produced Hydrocarbons	b disc	0.01	Unknown (calc)
Produced Hydrocarbons	b disc	0.1	Unknown (calc)
Produced Hydrocarbons	b disc	0.08	
Unknown	rainbow		Unknown
Unknown	brown		Unknown
Produced Hydrocarbons			Unknown
Unknown	b disc	37.5	Unknown (calc)
Produced Hydrocarbons			Unknown (calc)
Produced Hydrocarbons	b disc	7.62	
Produced Hydrocarbons	b disc	0.096	
Unknown	silvery	23.7	Unknown (calc)
Manufactured Hydrocarbons	b disc	0.01	Unknown (calc)
Unknown	silvery	0.3	Unknown (calc)
Unknown	gray	0.01	Unknown (calc)
Produced Hydrocarbons	rainbow	5.96	
Produced Hydrocarbons			Unknown (calc)
Unknown	silvery	0.01	Unknown (calc)
Unknown	silvery	0.01	Unknown (calc)
Unknown	silvery	25	Unknown (calc)
Produced Hydrocarbons	silvery	1	
Unknown			Unknown
Unknown	faint	0.01	Unknown (calc)
Unknown	black	6	Unknown (calc)
Manufactured Hydrocarbons	other	0.05	
Produced Hydrocarbons	rainbow	0.25	1 qt
Unknown			Unknown
Unknown	silvery	0.1	Unknown (calc)
Unknown			Unknown
Produced Hydrocarbons	rainbow	0.016	4 tblspns
Produced Hydrocarbons	rainbow	1596	calculated
Produced Hydrocarbons	rainbow	1.05	
Produced Hydrocarbons		0.0156	2 oz.
Produced Hydrocarbons	dark black	0.11	
Unknown	rainbow	0.02	calculated
Produced Hydrocarbons	faint colors	0.08	
Unknown	silvery	0.04	Unknown (calc)
Other	faint colors	5	
Unknown	other	0.14	calculated
Unknown	silvery/rainbow	7.99	Unknown (calc)
Unknown	barely discernable	217	Unknown (calc)
Unknown	rainbow	68	Unknown (calc)
Produced Hydrocarbons		0.002	
Manufactured Hydrocarbons	barely discernable	0	calculated < 0.005 gal
Produced Hydrocarbons	dark black	4.648	
Unknown			Unknown
Unknown	rainbow	68	Unknown (calc)

Produced Hydrocarbons		0.03	
Produced Hydrocarbons	silvery	1.2	
Unknown	other		Unknown
Produced Hydrocarbons	barely discernable	56.9	
Produced Hydrocarbons	barely discernable	0.01	calculated
Unknown			unknown
Produced Hydrocarbons		0.634	
Unknown	silvery	7.1	Unknown (calc)
Drilling Fluids		0.42	
Unknown			Unknown
Drilling Fluids		0.5	
Manufactured Hydrocarbons		0.0023	0.3 oz
Produced Hydrocarbons		1.5	
Unknown	grayish	0	calculated < 0.005 gal
Unknown	silvery	0.002	
Manufactured Hydrocarbons		15	
Produced Hydrocarbons	silvery	0.207	
Chemicals		415.8	9.9 bbls
Chemicals	silvery	0.01	calculated
Produced Hydrocarbons			Unknown
Produced Hydrocarbons	rainbow	0.42	
Unknown	silvery	0.01	Unknown (calc)
Produced Hydrocarbons	b disc	267.75	
Produced Hydrocarbons	silvery	0.0017	
Unknown			Unknown
Manufactured Hydrocarbons		0.1	
Chemicals	rainbow	0.1	Unknown (calc)
Produced Hydrocarbons	silvery	0.00807	
Produced Hydrocarbons	b disc	0.00179	
Produced Hydrocarbons	silvery	7.9	
Produced Hydrocarbons	silvery	0.56818	
Chemicals		294	7 bbls
Unknown			Unknown
Produced Hydrocarbons	faint	0.01	Unknown (calc)
Produced Hydrocarbons	silvery	285	
Unknown		2	
Unknown	brown		unknown
Unknown		3	
Unknown		2	
Produced Hydrocarbons	silvery	0	Unknown (calc)
Other		2	
Chemicals		1.5	
Produced Hydrocarbons			unknown
Unknown	barely discernable	0.14	Unknown (calc)
Unknown	barely discernable	0.43	Unknown (calc)
Produced Hydrocarbons	faint/silvery	284	calculated
Unknown			unknown

Produced Hydrocarbons			unknown
Unknown	rainbow	0.48	Unknown (calc)
Chemicals	silvery	0.1177	
Unknown			unknown
Unknown	silvery	34.09	Unknown (calc)
Produced Hydrocarbons	silvery	107.73	
Manufactured Hydrocarbons		3	
Produced Hydrocarbons			unknown
Produced Hydrocarbons	rainbow	0.02152	
Unknown	barely discernable	0	calculated < 0.005 gal
Unknown	rainbow		Unknown
Unknown	other	0.05	Unknown (calc)
Produced Hydrocarbons	other	33	
Unknown		14	Unknown (calc)
Unknown	rainbow		Unknown
Unknown			unknown
Manufactured Hydrocarbons		0	calculated < 0.005 gal
Drilling Fluids		5	
Unknown	barely discernable	0.47	Unknown (calc)
Unknown	other		Unknown
Unknown	silvery	0.97	Unknown (calc)
Produced Hydrocarbons	silvery	0.02	
Manufactured Hydrocarbons		0.03125	4 oz.
Unknown	grayish	0.14	Unknown (calc)
Unknown	silvery	1.42	Unknown (calc)
Unknown	barely discernable	0	caculated < 0.005 gal
Unknown			Unknown
Unknown			Unknown
Produced Hydrocarbons		20.5	
Produced Hydrocarbons	(silvery)	45	Calc
Unknown	silvery	0.1	Calc
Other	silvery	0.05	
Manufactured Hydrocarbons		0.75	3 liters
Unknown	silvery	1.4	Unknown (calc)
Unknown			Unknown
Unknown	b disc	31.25	Unknown (calc)
Unknown	rainbow	5.11	Unknown (calc)
Manufactured Hydrocarbons		1	
Produced Hydrocarbons	b discern	216	
Manufactured Hydrocarbons		0.125	4 ozs
Produced Hydrocarbons	b disc	0.5	
Manufactured Hydrocarbons		0.01	1 drop
Produced Hydrocarbons	barely discernable	0.003	
Manufactured Hydrocarbons		0.00781	1 oz.
Produced Hydrocarbons	barely discernable	324.7	
Unknown	rainbow	0.72	Unknown (calc)
Unknown	brown	2.34	Unknown (calc)

Produced Hydrocarbons	rainbow	9.5	
Unknown	rainbow	100	Unknown (calc)
Unknown	silvery	0.01	Unknown (calc)
Manufactured Hydrocarbons		0.00781	1 oz.
Manufactured Hydrocarbons		1.5	
Unknown	silvery	1250	Unknown
Unknown			Unknown
Produced Hydrocarbons	unknown		unknown
Unknown			Unknown
Manufactured Hydrocarbons	blueish	0	2 drops
Manufactured Hydrocarbons		1	
Unknown	barely discernable	3.2	Unknown (calc)
Produced Hydrocarbons	silvery	0.5	
Unknown	unknown		Unknown
Unknown	rainbow	50	Unknown (calc)
Produced Hydrocarbons	silvery	4687	calculated
Unknown	barely discernable	75	Unknown (calc)
Manufactured Hydrocarbons	rainbow	0.0625	8 oz.
Produced Hydrocarbons	silvery	0.004	
Unknown			Unknown
Manufactured Hydrocarbons		1.8492	7 liters
Manufactured Hydrocarbons		0.73968	2.8 liters
Unknown	dark	458	Unknown (calc)
Produced Hydrocarbons	faint colors	1.4	
Produced Hydrocarbons			unknown
Produced Hydrocarbons	silvery	1.07	
Manufactured Hydrocarbons		1.3	
Manufactured Hydrocarbons		0.01	2 drops
Produced Hydrocarbons	b disc	42.47	
Other	b disc	0.00075	
Unknown	rainbow	3.79	Unknown (calc)
Other	faint	0.01	
Produced Hydrocarbons	silvery	0.00054	
Produced Hydrocarbons	silvery	0.01	
Produced Hydrocarbons	b disc	0.0021	
Manufactured Hydrocarbons		2.5	
Produced Hydrocarbons	rainbow	2	
Unknown	rainbow	11.36	Unknown (calc)
Produced Hydrocarbons	b disc	0.01	
Unknown			Unknown (calc)
Produced Hydrocarbons	silvery	0.1	
Produced Hydrocarbons	rainbow	0.186	Calc 36 gallons
Unknown	dark black		Unknown (calc)
Unknown	silvery	0.1	Unknown (calc)
Unknown	b disc	1.2	
Unknown	silvery	60	Unknown (calc)
Manufactured Hydrocarbons	silvery	0.00054	

Manufactured Hydrocarbons		0.00053	
Manufactured Hydrocarbons		0.01	
Manufactured Hydrocarbons		1	
Unknown	silvery	0.1	
Unknown	rainbow	0.1	Unknown (calc)
Chemicals	b disc	0.008	
Unknown	brown	600	Unknown (calc)
Manufactured Hydrocarbons			unknown
Produced Hydrocarbons	barely discernable	0.01	
Produced Hydrocarbons	silvery	105.83	
Manufactured Hydrocarbons	unknown		unknown
Manufactured Hydrocarbons		0.26417	1 liter
Produced Hydrocarbons	silvery	0.01	
Produced Hydrocarbons	rainbow	0.125	2 cups
Manufactured Hydrocarbons	rainbow	0.0214	2.75 oz.
Produced Hydrocarbons	barely discernable	0	calculated < 0.005 gal
Produced Hydrocarbons	barely discernable	1	
Produced Hydrocarbons	brown	0.1	
Manufactured Hydrocarbons	light brown	0.0078	1 oz.
Unknown	silvery	0.57	Unknown (calc)
Manufactured Hydrocarbons		0.01563	2 oz.
Chemicals		0.01563	2 oz.
Unknown	silvery	2.84	Unknown (calc)
Produced Hydrocarbons	silvery	144.04	
Produced Hydrocarbons		0.0625	8 oz.
Manufactured Hydrocarbons	barely discernable	0.5	
Unknown	barely discernable	6.25	Unknown (calc)
Produced Hydrocarbons	barely discernable	0	calculated < 0.005 gal
Produced Hydrocarbons	silvery	0.009	
Manufactured Hydrocarbons		0.132	0.5 liters
Manufactured Hydrocarbons		0.91	
Unknown			Unknown
Produced Hydrocarbons	barely discernable	0	calculated < 0.005 gal
Manufactured Hydrocarbons		0.125	1 pint
Unknown			Unknown
Produced Hydrocarbons	rainbow	0.11	calculated
Produced Hydrocarbons		210	
Manufactured Hydrocarbons		0.09375	12 oz
Produced Hydrocarbons	silvery	1280	calculated
Produced Hydrocarbons	silvery	0.00006	
Chemicals		941	
Drilling Fluids		0.0625	1 cup
Manufactured Hydrocarbons	silvery	0.036	4.59 ozs
Manufactured Hydrocarbons		6	
Produced Hydrocarbons			
Unknown	rainbow	3.41	Unknown (calc)
Manufactured Hydrocarbons	rainbow	6.25	

Produced Hydrocarbons	silvery	1	
Unknown	silvery	0.1	Unknown (calc)
Other		42	
Produced Hydrocarbons	rainbow	0.1	Calc
		3	
Unknown	silvery	0.1	Unknown (calc)
Produced Hydrocarbons	silvery	0.1	calc
Unknown	b disc	0.03	Unknown (calc)
Manufactured Hydrocarbons		0.0625	1 cup
Produced Hydrocarbons	rainbow	0.968	
Other	silvery	0.1	Calc
Unknown	silvery	0.01	Unknown (calc)
Produced Hydrocarbons	silvery	0.01	calc
Unknown	silvery	0.14	Unknown (calc)
Produced Hydrocarbons		0.125	1 pint
Unknown	light brown	500	Unknown (calc) 12 bbls
Unknown	rainbow	3.87	Unknown (calc)
Produced Hydrocarbons	barely discernable	0.0002	
Produced Hydrocarbons	silvery	1610	
Unknown	rainbow	0.01	Unknown (calc)
Chemicals		0.0013	1 tspn
Produced Hydrocarbons	silvery	0.05433	
Produced Hydrocarbons	silvery	60	

SHEEN_LENGTH	SHEEN_LENGTH_UNTIS	SHEEN_WIDTH	SHEEN_WIDTH_UNITS	SECURED?
				Yes

30	Feet	5	Feet	Unknown
7.2	Miles	1.5	Miles	Unknown
15	Feet	3	Feet	Yes
150	Feet	10	Feet	Yes
9	Miles	0.5	Miles	Unknown
300	Feet	150	Feet	Yes
250	Feet	2	Feet	Yes
400	Yards	50	Yards	Unknown
150	Feet	20	Feet	Yes
4.6	Miles			Unknown
2	Miles	0.5	Miles	Unknown
2.7		0.7		Unknown
31				Unknown
11.5	Miles	0.2	Miles	No
2	Miles	0.5	Miles	Unknown
0.5	Miles	30	Feet	Unknown
3	Feet	3	Feet	Yes
				Yes
1800	Feet	600	Feet	Unknown
				Unknown
18.8	Miles	0.5	Miles	No
25	Feet	5	Feet	Yes
2	Miles	0.25	Miles	Unknown
3670	Yards	20	Yards	Unknown
				Yes
1	Miles	0.3	Miles	Unknown
7920	Feet	60	Feet	Yes
3	Miles	10	Feet	Unknown
10	Yards	10	Yards	Yes
				Unknown
1	Miles	15	Feet	Yes
				Unknown
				Unknown
				Yes
100	Feet	4	Feet	Unknown
9.8	Miles	1	Miles	No
				Unknown
30	Feet	12	Feet	Yes
				Yes
300	Feet	40	Feet	Yes
5	Feet	3	Feet	Unknown
2.5	Miles	2.5	Miles	Unknown
30	Feet	10	Feet	Yes
1	Miles	200	Yards	Yes
50	Feet	50	Feet	Yes
2640	Feet	40	Feet	Yes
30	Yards	60	Yards	Yes

100 Yards	100 Yards	Unknown
13.2 Miles	2 Miles	No
		No
		Unknown
0.5 Miles	200 Feet	Unknown
2 Feet	15 Feet	Yes
15 Feet	15 Feet	Yes
		Yes
		Yes
100 Feet	100 Feet	Yes
3.45 Miles		Unknown
15 Feet	8 Feet	Unknown
		Yes
50 Feet	2 Feet	Yes
		Yes
5.9 Miles	1 Miles	No
5 Feet	100 Feet	Yes
		Yes
		Yes
100 Feet	25 Feet	Yes
20 Feet	2 Feet	Yes
7 Miles	3 Miles	Unknown
		Unknown
		Unknown
6.8 Miles	2.8 Miles	No
30 Yards	20 Yards	Unknown
		Unknown
3 Miles	100 Feet	Unknown
30 Feet	20 Feet	Yes
1000 Feet	500 Feet	Unknown
150 Feet	60 Feet	Yes
7.7 Miles	0.8 Miles	No
160 Feet	20 Feet	Yes
		Unknown
200 Feet	30 Feet	Unknown
0.5 Miles		Yes
60 Feet	5 Feet	Yes
300 Feet	100 Feet	Yes
		Yes
100 Yards	0.75 Yards	Yes
20 Miles	0.75 Miles	No
1.5 Miles	2 Miles	Unknown
200 Feet	50 Feet	Yes
10560 Feet	600 Feet	Yes
7.7 Miles	1.4 Miles	No
120 Feet	10 Feet	Yes
		Yes

300 Feet	20 Feet	Yes
300 Feet	3 Feet	Yes
600 Feet	150 Feet	Yes
125 Feet	100 Feet	Yes
		Unknown
400 Feet		Unknown
		Unknown
1.5 Miles	1 Miles	Unknown
		No
6.3 Miles	2.1 Miles	No
600 Feet	200 Feet	Yes
5 Miles	500 Feet	Unknown
150 Feet	25 Feet	Yes
1 Miles	30 Feet	Unknown
2 Feet	10 Feet	Unknown
5000 Feet	150 Feet	Yes
		Yes
20 Feet	5 Feet	Unknown
50 Feet	3 Feet	Unknown
2 Miles	0.25 Miles	Unknown
10 Yards	50 Yards	Yes
1 Miles		Unknown
20 Feet	2 Feet	Unknown
100 Yards	50 Yards	Unknown
100 Feet	75 Feet	Yes
60 Feet	600 Feet	Yes
3 Miles	14 Miles	Unknown
10 Yards	10 Yards	Unknown
		Yes
30 Feet	30 Feet	Yes
3.8 Miles	2.1 Miles	No
2600 Feet	60 Feet	Yes
		Yes
1 Yards	5 Yards	Yes
80 Feet	30 Feet	Unknown
0.25 Miles	20 Feet	Yes
0.25 Miles	15 Feet	Unknown
50 Feet	3 Feet	Yes
1 Miles	30 Feet	Yes
1.5 Miles	75 Yards	Unknown
10.32 Miles	0.84 Miles	Unknown
3 Miles	200 Yards	Unknown
0.5 Miles	2 Feet	Yes
150 Feet	10 Feet	Yes
70 Yards	3 Yards	Yes
2 Miles	0.5 Miles	Unknown
8 Miles	75 Yards	Unknown

		Yes
0.75 Miles	50 Yards	Yes
300 Feet	150 Feet	Unknown
5.4 Miles	0.6 Miles	No
300 Feet	50 Feet	Yes
		Unknown
		Yes
6600 Feet	600 Feet	Unknown
		Yes
3 Miles		Unknown
		Yes
10 Feet	1 Feet	Yes
0.25 Miles	100 Yards	Yes
400 Feet	2 Feet	Unknown
50 Yards	2 Yards	Yes
		Yes
1 Miles	30 Feet	Yes
		Yes
100 Feet	30 Feet	Yes
		Yes
450 Feet	90 Feet	Yes
2 Feet	2 Feet	Unknown
6.3 Miles	1.7 Miles	No
100 Feet	10 Feet	Yes
		Unknown
		Yes
600 Feet	75 Feet	Yes
300 Feet	15 Feet	Yes
200 Feet	10 Feet	Yes
3 Miles	600 Feet	No
1 Miles	60 Feet	Yes
		Yes
		Unknown
15 Feet	10 Feet	Yes
23.7 Miles	2.7 Miles	No
		Unknown
5 Miles		Unknown
		Yes
		Unknown
30 Feet	6 Feet	Unknown
		Unknown
		No
30 Feet	1 Feet	No
0.25 Miles	40 Yards	Unknown
3 Miles	30 Feet	Unknown
21.7	0.35	No
1.35 Miles	0.6 Miles	Unknown

		Yes
300 Feet	225 Feet	Unknown
300 Yards	3 Feet	Yes
		Unknown
4 Miles	300 Yards	Unknown
11.6 Miles	2.2 Miles	No
		No
		Yes
300 Feet	40 Feet	Yes
1 Feet	1 Feet	Unknown
1320 Feet		Unknown
0.5 Miles	20 Feet	Unknown
6.2 Miles	4.5 Miles	No
52800 Feet	50 Feet	Unknown
3 Feet		Unknown
1 Miles	20 Yards	Unknown
1 Feet	1 Feet	Yes
		Unknown
700 Feet	30 Feet	Unknown
0.5 Miles	0.5 Miles	Unknown
200 Yards	300 Yards	Unknown
300 Feet	60 Feet	Yes
		Yes
0.75 Miles	20 Feet	Unknown
3 Miles	50 Feet	Unknown
10 Feet	1 Feet	Unknown
3 Miles		Unknown
300 Yards	50 Yards	Unknown
		Yes
1.3 Miles	0.7 Miles	No
10 Feet	100 Yards	Yes
85 Yards	25 Yards	Yes
		Yes
2600 Feet	300 Feet	Unknown
0.85 Miles	0.32 Miles	Unknown
2.5 Miles	0.5 Miles	Unknown
0.3 Miles	150 Yards	Unknown
150 Feet	3 Feet	Yes
12.6 Miles	1.8 Miles	No
		Yes
1 Miles	5 Feet	Yes
		Yes
500 Feet	10 Feet	Yes
		Yes
13.4 Miles	2.3 Miles	No
1000 Feet	100 Feet	Unknown
850 Feet	50 Feet	Unknown

6 Miles	200 Feet	Yes
1 Miles	0.5 Miles	Unknown
300 Feet	10 Feet	Unknown
		Yes
		Yes
5 Miles	5 Miles	Unknown
10.27 Miles	5.35 Miles	Unknown
8.48 Miles	0.4 Miles	Unknown
3.87 Miles	1.84 Miles	Unknown
50 Feet	0.5 Feet	Yes
		Yes
23760 Feet	150 Feet	Unknown
200 Feet	20 Feet	Yes
		Unknown
1 Miles	0.25 Miles	Unknown
21.8 Miles	4.3 Miles	No
3 Miles	1 Miles	Unknown
		Unknown
20 Yards	10 Yards	Yes
		Unknown
		Yes
		Yes
4.3 Miles	0.08 Miles	Unknown
0.34 Miles	0.11 Miles	Yes
		Unknown
6 Feet	1 Feet	Yes
		Yes
		Yes
5.2 Miles	0.6 Miles	No
300 Feet	20 Feet	Yes
5280 Feet	100 Feet	Unknown
100 Feet	30 Feet	Yes
60 Feet	5 Feet	Yes
20 Feet	15 Feet	Yes
100 Feet	20 Feet	Yes
		Yes
5280 Feet	50 Feet	Yes
3 Miles	100 Feet	Unknown
20 Feet	5 Feet	Yes
		Unknown
200 Feet	10 Feet	Yes
0.9 Miles	0.2 Miles	Yes
5 Miles		Unknown
800 Feet	45 Feet	Unknown
7500 Feet	150 Feet	Yes
1.2 Miles	1 Miles	Unknown
100 Feet	3 Feet	Yes

		Yes
		Yes
		Yes
		Yes
60 Feet	30 Feet	Unknown
1400 Feet	3 Feet	Yes
10 Miles	80 Feet	Unknown
		Unknown
600 Feet	50 Feet	Yes
7.5 Miles	3.8 Miles	No
80 Feet	20 Feet	Yes
6 Feet	6 Feet	Yes
150 Feet	50 Feet	Yes
150 Feet	30 Feet	Yes
100 Yards	10 Feet	Yes
5 Feet	5 Feet	Yes
70 Feet	20 Feet	Yes
150 Feet	24 Feet	Yes
8 Feet	4 Feet	Yes
2 Miles	30 Feet	Unknown
		Yes
		Yes
1 Miles	100 Yards	Unknown
12.8 Miles	3.9 Miles	No
		Yes
150 Feet	50 Feet	Yes
1 Miles	0.25 Miles	Unknown
250 Feet	20 Feet	Yes
50 Feet	10 Feet	Yes
		Yes
		Yes
		Unknown
100 Feet	10 Feet	Yes
		Yes
10 Miles	2 Miles	Unknown
300 Feet	50 Feet	Yes
		Yes
		Yes
16 Miles	1.6 Miles	No
		Yes
		Yes
		Yes
109 Feet	200 Feet	Yes
		Yes
	1.6 Miles	No
1.5 Miles	60 Feet	Unknown
170 Feet	10 Feet	Yes

100	Yards	40	Yards	Yes
300	Feet	40	Feet	Unknown
				Yes
100	Feet	20	Feet	Yes
				Yes
1500	Feet	30	Feet	Unknown
150	Feet	25	Feet	Yes
100	Meters	30	Meters	Unknown
				Yes
440	Yards	10	Yards	Yes
600	Feet	20	Feet	Yes
200	Feet	15	Feet	Unknown
300	Feet	10	Feet	Yes
0.25	Miles	60	Feet	Unknown
30	Feet	12	Feet	Yes
3	Miles	0.25	Miles	Unknown
900	Feet	600	Feet	Unknown
20	Feet	10	Feet	Yes
23	Miles	1.4	Miles	No
5	Yards	5	Yards	Unknown
				Yes
3960	Feet	10	Feet	Yes
2.4	Miles	0.5	Miles	No

DATE_SECURED

NRC_REPORT_NOTES
hose rupture; no coordinates or sheen reported

no coordinates reported
no sheen color reported
residual in pipe
process upset

level control valve stuck open; no facility reported; platform shut in

reported by passing boat; no facility reported; cleanup attempted

no coordinates or sheen color reported

No sheen color or width reported

1.19 bbls

no coordinates reported
no sheen description reported

pump failure

discharge from wellhead casing; no facility reported
leaking valve packing; no sheen reported

no facility reported; adjustments made
No sheen color reported
hole in drain pipe; no coordinates reported
no sheen size or block reported
corroded pipe; no facility reported
release at 5599 feet depth; no sheen
no coordinates reported; no sheen description
40 gallons on deck, unkown in water; no coordinates or sheen reported
no coordinates reported
reported as 4.15 gal, sheen much larger
no coordinates or sheen description
float cell malfunction; no coordinates
subsea construction winch; no sheen reported
two inch pipeline

no block reported
drilling brine with processed water; no coordinates reported
from 20 inch pipeline; no segment reported; line shut in
from 3 inch pipeline; no pipeline segment or sheen color reported; line shut in
pump shaft seal failure; no facility or coordinates reported
faulty chemical injection pump; no coordinates reported

rain overflowed sump; no facility reported; divers investigating

natural gas release; no sheen or segment reported
loop marine terminal; no sheen description
flyover observation
leaky hose from sump; no coordinates reported
release during product transfer; no coordinates reported

25 bbls

no sheen description
no coordinates reported
drain line caused skid pan to overflow; no facility reported

line rupture; no coordinates reported

mist entered water; no facility or sheen color reported
no facility or sheen reported
no coordinates reported
release while removing platform; no sheen width reported

leak while plugging wellhead; no block or coordinates reported
skid overflowed from rain; no coordinates or sheen description
out of service pipeline; no coordinates

plug and abandonment operation
pinhole leak in riser; no facility reported

Leak at a wellhead at 2115 ft depth; discovered by ROV

Sump pump failed

release from flare boom

no coordinates or sheen reported
fitting failure

low level in Wemco; no coordinates reported
relief valve discharge
pipeline abandonment leak

pinhole leak

bilge accidently pumped overboard
Chemical injection pump malfunction; block not reported

color assumed
possible pipeline leak
pinhole leak in 6-inch pipeline; no sheen color reported
compressor cooling tube leak; no coordinates reported
hose ruptured
no block or sheen color reported

no sheen reported
pinhole leak in pipeline on platform

discharge while opening wellhead; no coordinates reported
blossums of oil on surface above pipeline; no sheen size, coordinates, or pipeline segment repo
valve malfunction; no facility or sheen reported

casing overflow; no sheen reported
no block or sheen color reported
leaking connection: no sheen reported
leak on hydraulic power unit; no sheen color reported
release from flare; no facility or sheen color reported

heavy rain sump overflow
seal failure; no sheen description
system upset
slip joint packer failure; no sheen reported
release from vent boom; no coordinates reported

wellhead choke change operations; no sheen reported
no sheen width reported
may be related to NRC # 1156731; wellhead; no sheen
wellhead choking operations; no sheen reported
no coordinates; or facility reported
welhead choke changing operations; no sheen reported
subsea leak; no sheen reported; 0.5 gallons per hour
no sheen color reported

no coordinates reported

no sheen color reported

release while washing platform; no facility or sheen reported

equipment shut in; flowback operation
bubble on surface; overflight observation; no sheen reported

thruster leak; 1 qt per day; no sheen reported
pipeline leak; no facility or sheen description
no facility reported; incident under investigation by operator
multiple rosebud sheens
no sheen width reported

sheen color not reported
no sheen width reported
no sheen color reported
no sheen color reported; from leaking storage tank
release when lifting BOP; no coordinates or sheen reported

sheen color not reported
no coordinates reported
test separator leak; no facility reported
hose rupture; no coordinates or sheen reported
no coordinates reported

sheen description incomplete
no sheen color reported

1157465 related?

water clarifier pump failure
discharge at 4685 foot depth; no sheen reported

no coordinates reported

pipeline leak; no segment or facility reported

hydraulic hose fitting leak; no sheen reported
release at 25 meters depth, no sheen reported

NESDIS report; no sheen color reported; appears to originate from facility
NESDIS report; no sheen color reported
no sheen color reported
release from exhaust; no coordinates reported
release at 5,230 foot depth; no sheen or block reported

release during pigging operations; no facility reported
no sheen description
no coordinates reported

no sheen size reported
release while decommissioning pipeline; no segment or facility reported
no block or sheen description
release at 300 meters depth; no sheen reported
release at 4,700 feet; no sheen reported

valve leak
bubbles observed during flyover; no sheen, segment or facility reported
release from lubricator; no facility reported

Contacted Fieldwood about volume discrepancy. The NRC report has the wrong dimensions rep

engine generator pipe failure; no sheen description
pinhole leak in riser pipe

no sheen color reported
no sheen color reported
source unknown, subsurface
pipeline leak on deck, no facility reported
lube oil from sump rain overflow
release while bringing system on-line; no facility reported
release while bringing platform on-line
pinhole leak on accumulator pump
hydraulic hose failure on deck and moon pool
no coordinates reported
hot stab connection leak; no sheen or coordinates
release at 1350 foot depth when disconnecting hot stab, no sheen or coordinates reported

leak from subsea wellhead; no location or sheen reported
related to NRC 1157342, but not same release; remediation work

oil bucket discharge line plugged; no facility or coordinates reported
investigations underway
crane hydraulic line burst; no sheen reported
hose broke at 500 foot depth; no sheen reported
no sheen description or block reported
oil and water release; platform shut in
valve leak; no sheen reported
No sheen color
transfer line failure
related to NRC 1159546; Wemco unit failure on unmanned platform; no sheen or facility descri
release at 7,049 foot depth; couplers failed; no sheen or facility reported

Pipeline segment 18700. Recorded as ethanol but know it is methanol as NOLA District investig

Ankor reported unknown sheen but suspects it is from a Fieldwood pipeline

ROV

hose failure

no coordinates reported
leak from inspection tool at 4,500 foot depth; no sheen reported
pipeline above water surface; no facility or coordinates reported

Release >= 1 Barrel	OSPD_15 DAY_DUE	OSPD_15 DAY_DATE RECEIVED	OSPD_15 DAY NOTES
No			

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EED_>RQ	EED_LIMIT SET	EED_REVIEW TIER	EED_STATUS	EED_RFI
FALSE		Tier 1	Closed	FALSE

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FALSE	Tier 2	Closed	FALSE
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FALSE	Tier 1	Closed	FALSE
TRUE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
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FALSE	Tier 1	Closed	FALSE
TRUE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	7 Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
TRUE	5 Tier 3	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
TRUE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
TRUE	Tier 3	Closed	FALSE
FALSE	2 Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE

FALSE	Tier 1	Closed	FALSE
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FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	5 Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 2	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
TRUE	Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
FALSE	4 Tier 1	Closed	FALSE
FALSE	Tier 1	Closed	FALSE
TRUE	Tier 1	Closed	FALSE

EED_INFO REQUESTED

contact District

District contacted

District contacted

NOLA District investigating
Called platform to get documentation

Contact Fieldwood HSE
Contact NO District

Calling responsible party for more information

Inform Lake Charles District; Lake Charles investigated with overflights and saw no sheen or oil i

EED_INFO RECEIVED

8/23/2016

9/12/2016

9/29/2016

EED RFI AND RQ NOTES
Release secured; amount reported below action level

Unknown release volume
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Calculated volume from sheen size, below action level; Observe for future sheen
Release secured; volume calculated from sheen size below action level
Unknown release volume
Observe for future sheen
Observe for future sheen
Taylor, no further action
Taylor, no further action
Monitor for source
Below action level
Below action level
Cnnot evaluate, need more info
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Taylor, no further action
Release secured; amount reported below action level
Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Deferred to State
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Amount reported below action level
Unknown release volume; Observe for future sheen
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Deferred to BSEE Pipelines Section
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen
Release secured; amount of oil released below action level
Deferred to State
Deferred to BSEE Pipelines Section
Release secured; amount reported below action level
Release secured; amount reported below action level

Amount reported below action level
Taylor, no further action
Deferred to BSEE Pipelines Section and BSEE Air Program
Deferred to USCG
Observe for future sheen
Release secured; no significant sheen reported
Release secured; amount reported below action level
Deferred to USCG
Deferred to OEC Air
Below action level
Monitor for source
Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Below action level
Monitor for source; probably Taylor
Monitor
Deferred to OEC Air; monitor
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Amount reported below action level; Deferred to EPA; release secured
Release secured; volume calculated from sheen size below action level
Deferred to EPA; release secured; Observe for future sheen
Release secured; amount reported below action level; Deferred to BSEE Pipelines Section
Taylor, no further action
Observe for future sheen
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Taylor, no further action
Below action level
Deferred to OEC Air

Below action level
Below action level
Below action level
Below action level
Cannot evaluate, need more info
Cannot evaluate, not enough info
Monitor for repair and volume released
monitor for source
Need more info
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Cannot evaluate, not enough info
Below action level
Below action level
Below action level
Below action level
Cannot evaluate, not enough info
Below action level
Below action level
Below action level
Below action level
Unknown sheen source
Below action level
Estimated to be below action level
Release secured; amount reported below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Observe for future sheen
Observe for future sheen
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Observe for future sheen

Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Taylor, no further action
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Need more information to determine release circumstances; release secured
Release secured; volume calculated from sheen size below action level
need more info to calculate
Below action level
Below action level
Taylor, no further action
Below action level
Monitor for source
Below action level
Below action level
Below action level
Below action level
Taylor, no further action
Below action level
Large spill; possible investigation
Defer to OEC Air
Below action level
Taylor, no further action
Observe for future sheen; Deferred to BSEE Pipelines Section
Observe for future sheen
Observe for future sheen; Deferred to BSEE Pipelines Section
Observe for future sheen; Deferred to BSEE Pipelines Section
Release secured; volume calculated from sheen size below action level
Observe for future sheen; Deferred to BSEE Pipelines Section
observe for future discharge
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown release volume; Observe for future sheen

Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Observe for future sheen
Taylor, no further action
Observe for future sheen; Deferred to USCG
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount Amount reported below action level
Unknown release volume
Unknown release volume;; Observe for future sheen
Release secured; volume calculated from sheen size below action level
Observe for future discharge
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Unknown release volume
Unknown release volume
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Below action level
Monitor for source
Monitor for source
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
Below action level
Release secured; volume calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level

Deferred to BSEE Pipelines Section; Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Unknown release volume; Observe for future sheen
Taylor, no further action
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown release volume; Observe for future sheen
Observe for future sheen
Taylor, no further action
Observe for future sheen
Release secured; volume calculated from sheen size below action level
Deferred to BSEE Pipelines Section; Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen; Deferred to BSEE Pipelines Section abd BSI
Release secured; amount reported below action level
Below action level
Below action level
Taylor, no further action
Below action level
Below action level
below action level; however, it appears that a lack og containment and sump systems caused th
Below action level; however OEC WQ is following up to see if the permit was complied with for
Below action level
Below action level
Below action level
Below action level
Below action level; monitor for source
Below action level
Cannot estimate not enough information
Below action level
Reported volume does not match the calculated amount; possible investigation
This based on the description indicates potentially a large volume of oil; monitor for source
Below action level
NO District investigating; ERA report NRC 1158842 indicates much more oil than reported here
taylor location; no action
Below action level

Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
If dimensions and descriptions are correct this is a large amount of oil; monitor for source
Unknown release volume; Observe for future sheen
Release secured; amount reported below action level
Taylor, no further action
Release secured; no significant sheen reported
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Taylor, no further action
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; volume calculated from sheen size below action level
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; volume calculated from sheen size below action level
Release secured; amount reported below action level
Unknown release volume; Observe for future sheen
Release secured; volume calculated from sheen size below action level
District inpection
Release secured; volume calculated from sheen size below action level
Taylor, no further action
Below action level
NOLA District did investigation; amout released over RQ
Below action level
Below action level
Below action level
No action Taylor
Below action level; monitor for source
Below action level

Below action level
Below action level
No pollution reported
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Below action level
Calculates to large volume; monitor for source
Below action level
Release secured; amount reported below action level
Taylor, no further action
Unknown sheen source; amount calculated from sheen size below action level
Release secured; amount reported below action level
Release secured; amount reported below action level
Taylor, no further action

NRC Report Attachment

Wind Direction (Degrees)

DEPARTMENT OF THE INTERIOR Mail - Potential Large Unknown Sheen report.pdf

Wind Speed (Knots) Ocean Current Direction (Degrees) Ocean Current Speed (Knots)

Sheen Direction (Degrees)