Table 4-1
Artificial Penetrations 2.5 Mi AOR
Non-Endangerment Standard
Sabine River Works

AP No.	2.5-Mile AOR West Group 1999 Reissuance	2.5-Mile AOR East & West Group 1991 Petition	Original Operator	Lease Well Name	Year	Total Depth	Well Schematic	Scout Ticket	State Forms	Electric Log	Protocol	Meets Non-Endan-germent Standard
30		X	Consolidated Western Steel	CWS B #2	1953	8103	1	2	3	4	CPBIZ&USDW	Yes
31		X	The Ohio Oil Co.	CWS-Texas State 36027 #1	1953	7958	1	2	3	4	CPBIZ&USDW	Yes
32		X	Consolidated Western Steel	CWS #1	1952	8154	1	2	3	4	CPBIZ&USDW	Yes
33		X	The Ohio Oil Co.	CWS Unit Well #1	1953	8697	1	2	3	4	CPBIZ&USDW	Yes
34		X	Wood Petroleum Co.	Lutcher-Moore Lumber Co. #1	1952	8052	1	2	3	4	CPBIZ&USDW	Yes
35	X	X	J. Robert Neal, Inc.	Lutcher-Moore Lumber Co. #1	1955	8500	1	2	3	4	CPBIZ&USDW	Yes
36		X	The Ohio Oil Co.	Texas State #36027 Well #3	1952	8259	1	2	3	4	CPBIZ&USDW	Yes
37		X	The Ohio Oil Co.	Texas State #36027 Well #2	1952	8528	1	2	3	4	CPBIZ&USDW	Yes
38		X	The Ohio Oil Co.	Texas Creosoting Co. #1	1952	8078	1	2	3	4	CPBIZ&USDW	Yes
39		X	King & Heyne, Inc.	Weaver Shipyard #1	1951	8018	1	2	3	4	CPBIZ&USDW	Yes
40	X	X	The Ohio Oil Co.	Lutcher-Moore Lumber Co. #3	1952	8075	1	2	3	4	Modeled	Yes*
41	X	X	The Ohio Oil Co.	Lutcher-Moore Odom Unit #1	1953	8102	1	2	3	4	Modeled	Yes*
42		X	The Ohio Oil Co.	Lutcher-Moore Lumber Co. #2	1952	8075	1	2	3	4	CPBIZ&USDW	Yes
43		X	The Ohio Oil Co.	Texas State #36027 Well #1	1952	8233	1	2	3	4	CPBIZ&USDW	Yes
44	X	X	The Ohio Oil Co.	City of Orange #1	1951	8088	1	2	3	4	CPBIZ&USDW	Yes
45		X	The Ohio Oil Co.	Lutcher-Moore Lumber Co. #1	1951	8999	1	2	3	4	CPBIZ&USDW	Yes
46		X	The Ohio Oil Co.	Lutcher-Moore Lumber Co. #4	1952	8094	1	2	3	4	CPBIZ&USDW	Yes
47	X	X	Beck Petroleum	Hymers-Falkenmger #1	ND	ND	1		5		ND	Yes
48	X	X	Meredith & Company	A. E. Dobbertine Heirs #1	1955	8015	1	2	3	4	CPBIZ&USDW	Yes
49	X	X	Colorado O&G Co.	H. L. Brown #3	1954	8026	1	2	3	4	CPBIZ&USDW	Yes
50	X	X	The Ohio Oil Co.	Odom #1	1952	8075	1	2	3	4	CPBIZ&USDW	Yes

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Table 4-1
Artificial Penetrations 2.5 Mi AOR
Non-Endangerment Standard
Sabine River Works

AP No.	2.5-Mile AOR West Group 1999 Reissuance	2.5-Mile AOR East & West Group 1991 Petition	Original Operator	Lease Well Name	Year	Total Depth	Well Schematic	Scout Ticket	State Forms	Electric Log	Protocol	Meets Non-Endan-germent Standard
51	X	X	The Ohio Oil Co.	City of Orange #2	1952	8101	1	2	3	4	CPBIZ&USDW	Yes
52	X	X	The Ohio Oil Co.	Odom #2	1952	8105	1	2	3	4	CPBIZ&USDW	Yes
53		X	The Ohio Oil Co.	Lutcher-Moore Tx.St.36025/39209 Unit #1	1953	8105	1	2	3	4	CPBIZ&USDW	Yes
54		X	Highland Energy	Frost National Bank Trust #1	1981	9115	1	2	3	4	CPBIZ&USDW	Yes
55		X	Hawkins & Gabriel	J. E. Broussard, et al. #1	1952	9006	1	2	3	4	CPBIZ&USDW	Yes
56	X	X	Crow Drilling Co.	H. L. Brown #2	1954	8551	1	2	3	4	CPBIZ&USDW	Yes
57	X	X	John W. Mecom	E. W. Brown #2	1954	8060	1	2	3	4	CPBIZ&USDW	Yes
58	X	X	John W. Mecom	E. W. Brown #1	1954	8626	1	2	3, 5	4	Active	Yes
59	X	X	H. L. Brown	H. L. Brown #1	1952	8080	1	2	3	4	CPBIZ&USDW	Yes
60	X	X	Jack W. Frazier	C. L. Brown #1	1941	8511	1	2	3	4	CPBIZ&USDW	Yes
61	X	X	Cooper Petroleum Co.	H. J. L. Stark #1	1961	8515	1	2	3	4	CPBIZ&USDW	Yes
62	X	X	R. Deas and W. Craig	H. J. L. Stark Est. #1	1968	8713	1	2	3	4	CPBIZ&USDW	Yes
63	X	X	W. C. Wells, Trustee	W. H. Stark #1	1926	4001	1				DNP	Yes
64	X	X	The Texas Co.	Bill Stark Est. #1	1938	8399	1			4	CPBIZ&USDW	Yes
65	X	X	Dr. E. W. Brown Estate	W. H. Stark #1	NA	3920	1				DNP	Yes
66	X	X	Orange Petroleum	W. N. Stark #1	NA	4066					DNP	Yes
67	X	X	Bintliff & Coastal St.	H. J. L. Stark Est. #A-1	1970	8684	1	2	3	4	CPBIZ&USDW	Yes
68	X	X	Trice Production Co.	H. L. Stark #1-A	1958	8865	1			4	CPBIZ&USDW	Yes
69	X	X	W. C. Wells Trustee	W. H. Stark #2	1927	4065	1				DNP	Yes
70	X	X	Highland Resources	Nelda C. Stark #1	1982	8980	1	2	3	4	CPBIZ&USDW	Yes
72	X	X	John W. Mecom	H. L. Brown #1	1959	8514	1	5	3	4	Modeled	Yes*
72	X	X	John W. Mecom	H. L. Brown #1, Sidetrack	1959	7881	1	5	3	4	Modeled	Yes*
73	X	X	John W. Mecom	E. W. Brown Jr. #1	1960	9625	1	2	3	4	CPBIZ&USDW	Yes
73	X	X	John W. Mecom	E. W. Brown Jr. #1, Sidetrack	1960	13004	1	2	3	4	CPBIZ&USDW	Yes

Table 4-1

Artificial Penetrations 2.5 Mi AOR
Non-Endangerment Standard

Sabine River Works

AP No.	2.5-Mile AOR West Group 1999 Reissuance	2.5-Mile AOR East & West Group 1991 Petition	Original Operator	Lease Well Name	Year	Total Depth	Well Schematic	Scout Ticket	State Forms	Electric Log	Protocol	Meets Non-Endan-germent Standard
74	X	X	John W. Mecom	H. L. Brown #3	1960	9700	1	2	3	4	Modeled	Yes*
75	X	X	Hoffman-Turner	Aronson #1	1916	3760		2	3		DNP	Yes
76	X	X	Tidewater Oil Company	E. W. Brown Estate #1	1936	7706	1	2	3	4	CPBIZ&USDW	Yes
77	X	X	Tidewater Oil Company	E. W. Brown Estate #B-1	1936	7868	1	2	3	4	CPBIZ&USDW	Yes
78	X	X	Pan American Petroleum	Edgar W. Brown, Jr. #1	1970	10877	1	2	3	4	CPBIZ&USDW	Yes
901	X	X	Rio Bravo Oil Co.	E. I. DuPont #1	1990	8655	1	5	5	5	Active[2]	Yes
902	X	X	Rio Bravo Oil Co.	E. I. DuPont #2	1990	8440	1	5	5	5	CPBIZ&USDW	Yes
903	X		Rio Bravo Oil Co.	E.W. Brown, Jr. #1	1992	8707	1	5	5	5	CPBIZ&USDW	Yes

CPBIZ&USDW - Cement Plug Between Injection Zone and USDW
Modeled - Conservative modeling due to casing set below USDW, See Table 4-2
Active - Oil Gas Producing Well with casing set below USDW, Active[1]= shut-in, Active[2]= temporarily abandoned
DNP - Did Not Penetrate Injection Interval
NA - AP outside of 2.5 mile AOR West Group and outside of sealed fault modeling and no pressure response
ND - Not Drilled, see Appendix 4-4, of this Reissuance document, records review and search indicate well was never drilled.
Yes* - See Table 4-2
1- See Appendix 4-3 of this Reissuance Document, Artificial Penetrations Schematics.
2- See Original Petition Section 4, Appendix 4-3
3- See Original Petition Section 4, Appendix 4-5
4- See Original Petition Section 4, Appendix 4-6
5- See Appendix 4-4 of this Reissuance Document

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Table 4-2
Artificial Penetration Data for Conservative Modeling
Top of 4600' J Sand Location and
Pressure Buildup from 4700' J_2 Sand
Sabine River Works

AP No.	TD (ft)	Distance to West Group Injection Wells (ft.)	Depth to[1] Injection Interval (ft)	Original[2] Formation Pressure (psi)	Actual[3] Mud Weight (lb/gal)	Static[4] Column w/Actual Mud (psi)	Allowable[5] Buildup w/Actual Mud (psi)	Modeled[6] Buildup (psi)	Modeled[7] Buildup (psi)
2.5-Mile AOR West Group -1999 Reissuance									
40	8075	12,900	4605	2058	10.5	2514	456	40.7	183.9
41	8101	11,800	4591	2052	10.3	2459	407	42.3	187.8
72	8514	12,000	4580	2047	11.5	2739	692	41.2	NA
74	9700	10,000	4382	1959	16.5	3760	1801	44.9	NA
2.5-Mile AOR East and West Group - 1991 Petition									
1	8283	15,800	4600	2056	10.2	2440	384	37.1	178.5
4	8175	15,800	4598	2055	10.7	2558	503	36.7	176.3
20	8080	15,800	4717	2108	10.9	2674	565	36.8	170.6
22	8088	16,800	4706	2104	10.4	2545	441	35.6	166.1

[1] Depth to top of injection interval, for conservative modeling used J sand top for static mud column calculation and J_2 sand for pressure buildup.
[2] Original formation pressure in injection interval based on 0.447 psi/ft (see Appendix 2-6, Tab T, Reservoir Summary Table).
[3] Weight of fluid left in wellbore at abandonment, , no credit for gel strength or borehole closure, etc.
[4] Static pressure of mud column using actual weight of fluid left in wellbore, no credit for gel strength or borehole closure, etc.
[5] Static pressure of actual column of mud minus original formation pressure = allowable pressure increase prior to initiating fluid movement in borehole.
[6] Modeled pressure buildup based on maximum permitted injection rates until the year 2020 (see Table 2-9).
[7] Modeled pressure buildup based on maximum permitted injection rates until the year 2020, Fault Case (see Table 2-9).
NA AP outside of sealed fault modeling and no pressure response.

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(D-50)(.052 x MW) + (D-50) x .00338 x 20 / DIA + 1

D x .447

Table 4-2
Artificial Penetration Data for Conservative Modeling
Top of 4600' J Sand Location and
Pressure Buildup from 4700' J_2 Sand
Sabine River Works

Dia Gel Strength	AP No.	TD (ft)	Distance to West Group Injection Wells (ft.)	Depth to[1] Injection Interval (ft)	Original[2] Formation Pressure (psi)	Actual[3] Mud Weight (lb/gal)	Static[4] Column w/Actual Mud (psi)	Allowable[5] Buildup w/Actual Mud (psi)	Modeled[6] Buildup (psi)	Modeled[7] Buildup (psi)	
	2.5-Mile AOR West Group -1999 Reissuance										
10.875	40	8075	12,900	4605	2058	10.5	2514	456	40.7	183.9	2457.03 2514.92
10.875	41	8101	11,800	4591	2052	10.3	2459	407	42.3	187.8	2432.15 2459.95
10.875	72	8514	12,000	4580	2047	11.5	2739	692 690	41.2	NA	2708.94 2736.68
10.875	74	9700	10,000	4382	1959	16.5	3760	1801 1784	44.9	NA	3716.85 3743.37
	2.5-Mile AOR East and West Group - 1991 Petition										
10.875	1	8283	15,800	4600	2056	10.2	2440	384	37.1	178.5	2413.32 2441.18
10.875	4	8175	15,800	4598	2055	10.7	2558	503	36.7	176.3	2530 2557.85
10.875	17	8237	15,800	4700	2101	10.5	2566	465	37.1	170.1	2538.90 2567.37
10.875	20	8080	15,800	4717	2108	10.9	2674	565	36.8	170.6	2645 2673.51
10.875	22	8088	16,800	4706	2104	10.4	2545	441	35.6	166.1	2517.96 2546.47

[1] Depth to top of injection interval, for conservative modeling used J sand top for static mud column calculation and J_2 sand for pressure buildup.
[2] Original formation pressure in injection interval based on 0.447 psi/ft (see Appendix 2-6, Tab T, Reservoir Summary Table).
[3] Weight of fluid left in wellbore at abandonment, , no credit for gel strength or borehole closure, etc.
[4] Static pressure of mud column using actual weight of fluid left in wellbore, no credit for gel strength or borehole closure, etc.
[5] Static pressure of actual column of mud minus original formation pressure = allowable pressure increase prior to initiating fluid movement in borehole.
[6] Modeled pressure buildup based on maximum permitted injection rates until the year 2020 (see Table 2-9).
[7] Modeled pressure buildup based on maximum permitted injection rates until the year 2020, Fault Case (see Table 2-9).
NA AP outside of sealed fault modeling and no pressure response.

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Table 4-3
Artificial Penetration Data for Modeling No-Migration Standard
Low and High Density Plume
Sabine River Works

AP No.	Operator	Lease	Status	Mud #/gal.	Prod. Depth	Spud Date	Log	Satisfies No-Migration Criteria	Modeled and Satisfies No-Migration Criteria
63	W. C. Wells, Trustee	W. H. Stark #1	DNP	NA	Dry	1935	No	Yes	
64	The Texas Co.	Bill Stark Estate #1	Plugged	Mud	Dry	1935	Yes		Yes
65	Dr. E. W. Brown Estate	W. H. Stark #1	DNP	NA	Dry	NA	No	Yes	
66	Orange Petroleum	W. N. Stark #1	DNP	NA	Dry	NA	No	Yes	
68	Trice Production Co.	H. L. Stark #1-A	Plugged	11	Dry	1958	Yes		Yes
69	W. C. Wells Trustee	W. H. Stark #2	DNP	NA	Dry	1927	No	Yes	
70	Highland Resources	Nelda C. Stark #1	Plugged	10	Dry	1982	Yes		Yes
77	Tidewater Oil Company*	Brown Estate #B-1	Plugged	9.3	Dry	1936	Yes		Yes
79	Sun Oil Co.	Brown Estate #4	Plugged	11	Dry	1949	Yes		Yes
80	Sun Oil Co.	Shannon #1	Plugged	13.6	Dry	1949	Yes		Yes
83	Sun Oil Co.	Brown Estate #6	Plugged	15.1	Dry	1950	Yes		Yes
84	Sun Oil Co.	Brown Estate #1	Plugged	10.4	Dry	1948	Yes		Yes
85	Sun Oil Co.	Brown Estate #7	Plugged	Mud	Dry	1952	Yes		Yes
86	Sun Oil Co.	Brown Estate #2	Plugged	9.7	6475'	1952	Yes		Yes
87	Rex Petroleum Co.	Brown-Odom et al. #4	Plugged	10.1	6517'	1980	Yes		Yes
88	Sun Oil Co.	Brown Estate #3	Plugged	11.2	Dry	1949	Yes		Yes
89	Cico Oil & Gas-Lloyd Smith et al.	E. W. Brown, Jr. #1	Plugged	10	Dry	1963	Yes		Yes
90	Dr. E. W. Brown	Brown Estate #1	DNP	NA	Unknown	1919	No	Yes	
91	T. J. Wood	Dr. E. W. Brown Estate #1	Plugged	Mud	Dry	1936	Yes		Yes
98	Sun Oil Co.	Brown Estate #5	Plugged	10.7	Dry	1950	Yes		Yes
99	John F. Merrick & D. M. Wallace	Brown Estate #1	Plugged	10.4	Dry	1959	Yes		Yes
100	Sun Oil Co.	Brown Estate #8	Plugged	13	Dry	1957	Yes		Yes
111	The Superior Oil Co.	H. F. Banker #1	Plugged	11	Dry	1948	Yes		Yes
112	All-Tex Oil Co.	Henry Reed	Abandoned	Mud	Dry	1928	No		Yes

Table 4-3

Artificial Penetration Data for Modeling No-Migration Standard
Low and High Density Plume
Sabine River Works

AP No.	Operator	Lease	Status	Mud #/gal.	Prod. Depth	Spud Date	Log	Satisfies No-Migration Criteria	Modeled and Satisfies No-Migration Criteria
267	Pacific Producing Corp.	Millie Caron	Plugged	Mud	Dry	1952	Yes		Yes
268	Glen H. McCarthy, Inc.	E. W. Brown Estate	Plugged	Mud	Dry	1938	Yes		Yes
269	Texas Crude Exploration, Inc.	Donner Properties #1	Plugged	11.5	Dry	1984	Yes		Yes
901	Rio Bravo Oil Co.	E. I. DuPont #1	Active	NA	8000	1990	Yes	Yes	
902	Rio Bravo Oil Co.	E. I. DuPont #2	Plugged	9.8	Dry	1991	Yes	Yes	

DNP - Did not Penetrate

*Former AP 110 is the same as AP 77

Ap 63-77, See 1990 Original petition Section 4 Appendices 4-3, 4-5, and 4-6 for well logs, scout tickets and state forms

Ap 79-269 see NOD's responses of March 3 and 13, 1990 of Original Petition for well logs, scout tickets and state forms

Ap 901 and 902, See 1999 Reissuance Petition Section 4, Appendix 4-4 for well logs, scout tickets and state forms

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Table 4-4

Artificial Penetrations for No-Migration Standard
Outside 2.5-Mile Area of Review
Original Petition Low Density Plume, Sealing Fault Case at Orange Dome
Sabine River Works

AP No.	Operator	Lease	Survey	Status	Prod. Depth	Spud Date	Log
79	Sun Oil Co.	Brown Estate #4	Bradley Garner	Plugged	Dry	1949	Yes
80	Sun Oil Co.	Shannon #1	Aaron Nelson	Plugged	Dry	1949	Yes
83	Sun Oil Co.	Brown Estate #6	Bradley Garner	Plugged	Dry	1950	Yes
84	Sun Oil Co.	Brown Estate #1	Bradley Garner	Plugged	Dry	1948	Yes
85	Sun Oil Co.	Brown Estate #7	Bradley Garner	Plugged	Dry	1952	Yes
86	Sun Oil Co.	Brown Estate #2	Bradley Garner	Plugged	6475'	1952	Yes
87	Rex Petroleum Co.	Brown-Odom et al. #4	Bradley Garner	Plugged	6517'	1980	Yes
88	Sun Oil Co.	Brown Estate #3	Bradley Garner	Plugged	Dry	1949	Yes
89	Cico Oil & Gas-Lloyd Smith et al.	E. W. Brown, Jr. #1	Bradley Garner	Plugged	Dry	1963	Yes
90	Dr. E. W. Brown	Brown Estate #1	S. M. Luce	Unknown	Unknown	1919	No
91	T. J. Wood	Dr. E. W. Brown Estate #1	S. M. Luce	Plugged	Dry	1936	Yes
98	Sun Oil Co.	Brown Estate #5	Bradley Garner	Plugged	Dry	1950	Yes
99	John F. Merrick & D. M. Wallace	Brown Estate #1	Bradley Garner	Plugged	Dry	1959	Yes
100	Sun Oil Co.	Brown Estate #8	Bradley Garner	Plugged	Dry	1957	Yes
110*	Tide Water Oil Co.	Dr. E. W. Brown Estate "B"	Wesley Dykes	Plugged	Dry	1936	Yes
111	The Superior Oil Co.	H. F. Banker #1	Aaron Nelson	Plugged	Dry	1948	Yes
112	All-Tex Oil Co.	Henry Reed	Aaron Nelson	Abandoned	Dry	1928	No
267	Pacific Producing Corp.	Millie Caron	Wm. Dyson	Plugged	Dry	1952	Yes
268	Glen H. McCarthy, Inc.	E. W. Brown Estate	S. M. Luce	Plugged	Dry	1938	Yes
269	Texas Crude Exploration, Inc.	Donner Properties #1	John Harmon	Plugged	Dry	1984	Yes

See NOD's responses of March 3 and 13, 1990 of Original Petition for well logs, scout tickets and state forms

*AP 110 has been deleted from AOR Map since reviewed by Banks Information Solutions, Inc. in a letter dated September 29, 2000 and October 5, 2000 (see Appendix 4-4), because it is a duplicate spot of AP 77.

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Table 4-5
Artificial Penetrations for No-Migration Standard
Non-Sealing Fault Case at Orange Dome
Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
92	Sun Oil Co. (Carrie Brown)	5	Sun Oil Company	Plugged	1924	1927	5253	Mud-Laden Fluid
93	Cow Bayou State "E"	2	Rycade Oil Corporation	Plugged*	1924	Unknown	Unknown	Unknown
94	Cow Bayou State "E"	14	Rycade Oil Corporation	Plugged*	Unknown	Unknown	Unknown	Unknown
95	Sun Oil Co. (Carrie Brown)	4	Sun Oil Company	Plugged	1924	1927	4662	Mud-Laden Fluid
96	Brown Fee, Deed 102	2	Sun Oil Company	Plugged	1923	1929	4582	Mud-Laden Fluid
102	Brown, C.L.	6	Sun Oil Company	Plugged	1928	1929	6124	Mud-Laden Fluid
105	Brown Jr., E.W.	2	Brown Jr., Clifford L.	Plugged	1963	1989	5408	9.8 lbs/gal
106	Brown et al., Carrie	1	Gulf Production Company	Plugged*	1922	1922	4612	Unknown
108	Hager Fee, Lee	5	Gulf Production Company	Plugged	1922	1931	3390	Mud-Laden Fluid
109	Thrift-McGuire	4	Kishi, K.	Plugged*	Unknown	Unknown	Unknown	Unknown
113	Cow Bayou State "A"	5	Kilmarnock Oil Company	Active	1957		5652	
114	Cow Bayou State "A"	4	Kilmarnock Oil Company	Active	1952		4866	
115	Cow Bayou State "A"	3	Kilmarnock Oil Company	Plugged	1951	1975	3048	9.2 lbs/gal
116	Cow Bayou State "A"	2	Kilmarnock Oil Company	Active	1950		5620	
117	Cow Bayou State	3	Paul Cormier Production	Active	1962		4934	
118	Cow Bayou State	2	Paul Cormier Production	Active	1958		5001	
119	Cow Bayou State Trust	1	Paul Cormier Production	14B2EXC1/90	Unknown		4901	
120	Chesson, Oscar	12	Orange Petroleum Corporation	Plugged	1925	1974	4221	9.5 lbs/gal
121	Corbello, M.M.	2	Gulf Plains Petroleum	Active	1954		4714	
122	Chesson "B"	8	Humble Oil & Refining Company	Plugged	1922	1967	4107	10 lbs/gal
123	Cow Bayou Oil Co.	5	Tillery Oil Company	Plugged	Unknown	1933	3960	Mud-Laden Fluid
124	Carbello	3	Humble Oil & Refining Company	Plugged	1923	1923	4078	Mud-Laden Fluid
126	Carbello	1	Humble Oil & Refining Company	Plugged	1922	1925	4050	Mud-Laden Fluid
127	Corbello	1	Gabriel Oil	Plugged	1953	1970	4941	9.8 lbs/gal
128	Chesson "B"	26	Humble Oil & Refining Company	Plugged	1925	1931	3559	Mud
129	Chesson "B"	20	Humble Oil & Refining Company	Plugged	1923	1924	4206	Mud-Laden Fluid
130	Chesson "B"	24	Humble Oil & Refining Company	Plugged	1925	1931	4650	Mud-Laden Fluid
131	Chesson "B"	18	Humble Oil & Refining Company	Plugged	1923	1924	4233	Mud-Laden Fluid
132	Chesson, Oscar	11	Orange Petroleum Corporation	Plugged	1925	1926	5060	Mud-Laden Fluid
133	Chesson, Oscar	11	Hamilton Oil Company	Plugged	1922	1927	3367	Mud-Laden Fluid
134	Chesson, Oscar	16	Continental Oil Company	Plugged	1925	1927	4616	Mud-Laden Fluid
135	Chesson, Oscar	1	Continental Oil Company	Plugged	1932	1932	4638	Mud-Laden Fluid
136	Chesson, Oscar & Wife	6	Orange Petroleum Corporation	Plugged	1925	1941	4624	Mud-Laden Fluid
137	Chesson "B"	4	Brown, C.L.	Plugged	1951	1967	4280	10 lbs/gal
138	Chesson "B"	1	Brown, C.L.	Plugged	1938	1967	6080	10 lbs/gal
139	Chesson "A"	3	Gulf Production Company	Plugged*	1922	Unknown	4644	Unknown
147	Gordon, W.D.	5	Brown Jr., Clifford L.	Active	1959		5101	
148	Gordon, W.D.	4	Brown Jr., Clifford L.	Active	1958		5214	
149	Gordon, W.D.	3	Brown Jr., Clifford L.	Active	1958		3950	
150	Gordon, W.D.	2	Brown Jr., Clifford L.	Active	1954		4830	
151	Gordon, W.D.	1	Brown Jr., Clifford L.	Active	1953		5268	
152	Gordon, W.D.	6	Brown Jr., Clifford L.	Active	1981		3850	
154	Federal Royalty	8	Kilmarnock Oil Company	Active	1978		4301	
155	Federal Royalty	7	Kilmarnock Oil Company	Plugged	1962	1981	4956	9.2 lbs/gal
156	Federal Royalty	6	Kilmarnock Oil Company	Active	1959		5857	
157	Federal Royalty	4	Kilmarnock Oil Company	Active	1958		5220	
158	Federal Royalty	2	Kilmarnock Oil Company	Active	1954		4674	

Table 4-5
Artificial Penetrations for No-Migration Standard
Non-Sealing Fault Case at Orange Dome
Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
170	McGuire, Adelia	3	Brown, Jr., Clifford L.	Active	1980		4370	
171	Cow Bayou State "A"	7	Kilmarnock Oil Company	Active	1962		5263	
172	Cow Bayou State "A"	6	Kilmarnock Oil Company	Active	1960		6350	
173	Gunstream, Wm.	5	Sun Oil Company	Plugged	1924	1929	5422	Mud-Laden
174	Gunstream, Wm.	7	Sun Oil Company	Plugged	1930	1939	3872	Mud-Laden Fluid
175	Gunstream, Wm.	1	Sun Oil Company	Plugged	1921	1928	4030	Mud-Laden Fluid
176	Gunstream, Wm.	3	Sun Oil Company	Plugged	1922	1939	4240	Mud-Laden Fluid
178	Gunstream, Wm.	4	Sun Oil Company	Plugged	1923	1935	3961	Mud-Laden Fluid
179	Hager & Moore	9	Gulf Production Company	Plugged	1923	1931	3519	Mud-Laden Fluid
180	Hager & Moore	5	Gulf Production Company	Plugged	1922	1922	4579	Mud-Laden Fluid
181	Hager & Moore	4	Gulf Production Company	Plugged	1922	1926	4147	Mud-Laden Fluid
182	Hager & Moore	3	Gulf Production Company	Active	1922		4388	
183	Hager & Moore	1	Gulf Production Company	Plugged	1921	1929	3609	Mud-Laden Fluid
190	Hager Fee, Lee	1	Gulf Production Company	Plugged	1922	1930	3472	Mud-Laden Fluid
191	Hager Fee, Lee	3	Gulf Production Company	Plugged	1922	1928	5108	Mud-Laden Fluid
193	Hager Fee, Lee	9	Gulf Production Company	Plugged	1922	1931	3312	Mud-Laden Fluid
194	Hager Fee, Lee	10	Gulf Production Company	Plugged	1923	1923	1126	Mud-Laden Fluid
195	Hager Fee, Lee	11	Gulf Production Company	Plugged	1923	1931	3933	Mud-Laden Fluid
196	Hager Fee, Lee	12	Gulf Production Company	Plugged	1923	1931	3553	Mud-Laden Fluid
197	Gulf-Lee Hager Fee	12	Paul Cormier Production	14B2EXC1/90	1954		3510	
198	Hager Fee, Lee	13	Gulf Production Company	Plugged	1923	1931	5750	Mud-Laden Fluid
199	Hager Fee, Lee	16	Gulf Production Company	Plugged	1924	1931	3555	Mud-Laden Fluid
200	Hager Fee, Lee	15	Gulf Production Company	Plugged	1924	1927	4785	Mud-Laden Fluid
201	Gulf-Lee Hager Fee	19	Paul Cormier Production	Shut -In	1957		5985	
202	Gulf-Lee Hager Fee	21	Paul Cormier Production	Active	1957		4999	
204	Gulf-Lee Hager Fee	30	Paul Cormier Production	Active	1962		5095	
205	Hager Fee, Lee	24	Paul Cormier Production	Active	1958		4540	
206	Gulf-Lee Hager Fee	34	Paul Cormier Production	Active	1982		5769	
211	Hager Fee, Lee	6	Gulf Production Company	Plugged	1922	1931	3482	Mud-Laden Fluid
213	Winfree, Wm.	11	Humble Oil & Refining Company	Plugged	1924	1931	4713	Mud-Laden Fluid
214	Winfree, Wm.	9	Humble Oil & Refining Company	Plugged	1923	1933	4197	Mud-Laden Fluid
218	Winfree, Wm.	5	Humble Oil & Refining Company	Plugged	1921	1930	4376	Mud-Laden Fluid
223	Winfree, Wm.	1	Humble Oil & Refining Company	Plugged	1921	1931	3100	Mud-Laden Fluid
227	Parrafin	2	Kilmarnock Oil Company	Active	1953		5223	
228	Parrafin	1	Kilmarnock Oil Company	Active	1951		5675	
241	Peveto, F. T.	5	Gulf Production Company	Plugged	1923	1924	5201	Mud-Laden Fluid
259	McGuire, Adelia	1	Kilmarnock Oil Company	Plugged	1950	1951	6455	11.4 lbs/gal
260	Chesson "A"	1	Keown, C.C.	Corrective Action	1922	Intent 1923	4629	Unknown
261	Federal Royalty	1	Brown, C.L.	Active	1942		~4500	
262	Chesson, Oscar	8	Hamilton Oil Company	Plugged	1922	1932	3179	Mud-Laden Fluid
263	Chesson, Oscar	2	Gulf Production Company	Plugged	1922	1925	4627	Mud-Laden Fluid
272	Cow Bayou State "A"	1	Kilmarnock Oil Company	Active	1948		6580	
275	McCall	1	Kilmarnock Oil Company	Plugged	1951	1956	2664	Mud-Laden Fluid
276	McCall	2	Kilmarnock Oil Company	Plugged	1955	1958	2843	Mud-Laden Fluid
279	Thrift-McGuire	7	Kishi, K.	Plugged	1925	1929	4757	Mud-Laden Fluid
280	McGuire, W.P.	5	Kishi, K.	Plugged	1924	1929	3371	Mud-Laden Fluid

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Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
281	Hamman-Consolidated	3	Gulf Production Company	Plugged	1925	1925	5421	Mud-Laden Fluid
282	Hamman-Consolidated	2	Gulf Production Company	Plugged	1924	1925	5125	Mud-Laden Fluid
283	Hamman-Consolidated	1	Gulf Production Company	Plugged	1924	1924	4664	Mud-Laden Fluid
286	Gulf-Lee Hager Fee	31	Paul Cormier Production	Plugged	1963	1964	4332	9.9 lbs/gal
288	Boyles et al. "A"	1	Crow Drilling Co.	Plugged	1954	1964	5690	Mud-Laden Fluid
294	McGuire, Adelia	1	Gulf Production Company	Plugged	1922	1926	3477	Mud-Laden Fluid
298	Thrift-McGuire	6	Kishi, K.	Plugged*	1925	Unknown	3450	Unknown
299	McGuire, W.P.	1	Birmingham Petroleum	Plugged	1932	1984	3836	10 lbs/gal
305	State of Texas "E"	8	Rycade Oil Corporation	Plugged	1924	1928	4915	Mud-Laden Fluid
310	State of Texas "E"	3	Rycade Oil Corporation	Plugged*	1924	Unknown	~5500	Unknown
311	Hager Fee, Lee	29	Paul Cormier Production	Active	1962		3549	
312	Gulf-Lee Hager Fee	23	Paul Cormier Production	Active	1958		5057	
313	Gulf-Lee Hager Fee	10	Paul Cormier Production	Active	1954		5846	
331	Winfree, Wm.	3	Brown, C.L.	Plugged	1953	1967	4671	Mud-Laden Fluid
343	Winfree	12	Humble Oil & Refining Company	Plugged	1925	1933	4616	Mud-Laden Fluid
351	Jackson Heirs	3	Supreme Oil Company	Plugged	1923	1936	3477	Mud-Laden Fluid
362	Michel-Berwick	3	Texkan Oil Company	Shut -In	1956		4223	
367	Winfree, Wm.	6	Brown, C.L.	Active	Unknown		Unknown	
369	Winfree, Wm.	4	Brown, C.L.	Active	1954		6463	
375	Corbello "B", E.	2	Rex Petroleum	Corrective Action	1926	Unknown	4027	Unknown
376	Corbello "A", T.M.	1	Harrell & Southworth	Plugged	1955	1984	4517	10.3 lbs/gal
377	Hager Fee, Lee	17	Gulf Production Company	Plugged*	1924	Unknown	3498	Unknown
378	Hager Fee, Lee	14	Gulf Production Company	Plugged*	1923	~1930	4681	Unknown
379	Hager Fee, Lee	7	Gulf Production Company	Plugged	1922	1922	4656	Mud-Laden Fluid
381	Cow Bayou State "A"	1	Rycade Oil Corporation	Plugged	1922	1928	3320	Mud-Laden Fluid
382	Parker, J.N.	2	Cow Bayou Oil Company	Plugged*	1922	Unknown	Unknown	Unknown
383	Cow Bayou State	2	Cameron Anderson Orange, Inc.	Corrective Action	1922	Unknown	Unknown	Unknown
384	State of Texas "B"	11	Rycade Oil Corporation	Plugged	1925	1931	4188	Mud-Laden Fluid
385	Cow Bayou State "B"	14	Rycade Oil Corporation	Plugged	1925	1931	4212	Mud-Laden Fluid
386	Cow Bayou State "B"	13	Rycade Oil Corporation	Plugged*	1925	1931	~5000	Unknown
387	Cow Bayou State "C"	2	Rycade Oil Corporation	Plugged	1923	1930	4022	Mud-Laden Fluid
388	Cow Bayou State "C"	1	Rycade Oil Corporation	Plugged	1925	1930	4833	Mud-Laden Fluid
389	Cow Bayou State "B"	3	Tillery Oil, L.J.	Plugged*	1927	Unknown	3371	Unknown
391	Cow Bayou State "A"	2	Amerada Petroleum Corp.	Plugged*	1922	Unknown	Unknown	Unknown
393	Cow Bayou State "B"	2	Tillery Oil, L.J.	Plugged	1924	1990	4603	9.5 lbs/gal
394	Parker, J.N.	1	Cow Bayou Oil Company	Plugged*	1921	1922	3130	Mud
396	McGuire, W.P.	2	Gulf Production Company	Plugged*	1922	Unknown	~4000	Unknown
397	Hager Fee, Lee	4	Gulf Production Company	Plugged*	1922	Unknown	4204	Unknown
398	Hager Fee, Lee	22	Gulf Production Company	Plugged*	1926	Unknown	4676	Unknown
399	Hager Fee, Lee	20	Gulf Production Company	Plugged*	1925	Unknown	4644	Unknown
401	Cow Bayou State "A"	4	Rycade Oil Corporation	Plugged*	1926	Unknown	~4500	Unknown
402	Cow Bayou State "A"	5	Rycade Oil Corporation	Plugged*	1923	Intent 1925	5867	Unknown
403	Cow Bayou State "A"	6	Rycade Oil Corporation	Plugged	1923	1930	3541	Mud-Laden Fluid
404	Cow Bayou State "B"	10	Rycade Oil Corporation	Plugged	1923	1930	3888	Mud-Laden Fluid
405	Cow Bayou State "A"	3	Rycade Oil Corporation	Plugged	1923	1924	4819	Mud-Laden Fluid
406	Hager Fee, Lee	2	Gulf Production Company	Plugged*	1922	Unknown	4627	Unknown
407	Gunstream, Wm.	2	Sun Oil Company	Plugged*	1922	Unknown	4085	Unknown

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AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
413	Lutcher & Moore Lumber Co.	1	Texkan Oil Company	Plugged	1954	1984	5464	10 lbs/gal
414	Lutcher & Moore Lumber Co.	2	Texkan Oil Company	Plugged	1955	1984	4324	10 lbs/gal
416	Cow Bayou State "B"	1	Amerada Petroleum Corp.	Plugged*	1922	Intent 1931	~4000	Unknown
417	Cow Bayou State "B"	2	Amerada Petroleum Corp.	Plugged	1922	1931	3911	Mud-Laden Fluid
420	Michel et al., Azama	3	Orange Petroleum Corporation	Plugged*	1923	Unknown	4304	Unknown
427	Winfree, Wm.	5	Brown, C.L.	14B2EXC	1954		6420	
434	Federal Royalty	5	Kilmarnock Oil Company	Shut -In	1958	Unknown	Unknown	Unknown
439	Hager & Moore	12	Gulf Production Company	Plugged	1930	1934	6399	Unknown
440	Hager & Moore	11	Gulf Production Company	Plugged*	1924	Unknown	4202	Unknown
442	Hager & Moore	8	Gulf Production Company	Plugged*	1922	Unknown	3500	Unknown
443	Hager & Moore	6	Gulf Production Company	Plugged*	1922	Unknown	4054	Unknown
448	Federal Royalty	1	Kilmarnock Oil Company	Active	1942		5239	
486	Chesson	1	Gulf Production Company	Plugged	1921	1924	4046	Mud-Laden Fluid
488	Chesson	3	Gulf Production Company	Plugged	1922	1925	4430	Mud-Laden Fluid
490	Chesson	5	Gulf Production Company	Plugged	1922	1931	3555	Mud-Laden Fluid
491	Chesson	6	Gulf Production Company	Plugged	1922	1931	3873	Mud-Laden Fluid
493	Chesson	8	Gulf Production Company	Plugged	1925	1928	4637	Mud-Laden Fluid
494	Chesson "A"	4	Gulf Production Company	Plugged	1924	1931	4806	Mud-Laden Fluid
495	Chesson	13	Continental Oil Company	Active	1927		6277	
496	Chesson "C"	20	Kilmarnock Oil Company	Active	<1961		6194	
497	Chesson	9	Texhoma Oil & Refining	Plugged	<1926	1926	4870	Mud-Laden Fluid
498	Chesson	10	Mutual Oil Company	Plugged	1923	1928	4751	Mud-Laden Fluid
502	Chesson "B"	9	Humble Oil & Refining Company	Plugged	1922	1925	4517	Mud-Laden Fluid
503	Chesson "B"	16	Humble Oil & Refining Company	Plugged	1922	1931	4375	Mud-Laden Fluid
506	Chesson "B"	27	Humble Oil & Refining Company	Plugged	1926	1931	3611	Mud-Laden Fluid
507	Chesson "B"	21	Humble Oil & Refining Company	Plugged	1924	1925	5346	Mud-Laden Fluid
508	Chesson "B"	7	Humble Oil & Refining Company	Plugged	1922	1922	3933	Mud-Laden Fluid
510	Chesson & Wife	1	Orange Petroleum Corporation	Plugged	1920	1929	3709	Mud-Laden Fluid
511	Chesson & Wife	2	Orange Petroleum Corporation	Plugged*	1921	Unknown	3414	Unknown
512	Chesson	2	Hamilton Oil Company	Active	1922		~4040	
513	Chesson, Oscar	3	Continental Oil Company	Plugged	Unknown	1932	4757	Mud-Laden Fluid
514	Chesson	4	Hamilton Oil Company	Plugged*	1922	Intent 1926	4088	Unknown
515	Chesson	5	Hamilton Oil Company	Plugged*	1922	~1924	4258	Unknown
516	Chesson "C"	21	Kilmarnock Oil Company	Active	1963		4823	
518	Boise-Lang	1	Paul Cormier Production	Active	1982		6485	
520	Lutcher & Moore Lumber Co	2	Union Producing Company	14B2EXC12/90	1937		7312	
521	Lutcher & Moore Lumber Co	3	Union Producing Company	14B2EXC	1938		6341	
522	Lutcher & Moore Lumber Co	6	Glasco, G.E.	14B2EXC12/90	1949		3521	
523	Lutcher & Moore Lumber Co	7	Glasco, G.E.	14B2EXC12/90	1949		6400	
525	Lutcher & Moore Lumber Co	10	Glasco, G.E.	14B2EXC12/90	1951		4310	
526	Lutcher & Moore Lumber Co	14	Glasco, G.E.	14B2EXC	1952		4875	
528	Lutcher & Moore Lumber Co	17	Glasco, G.E.	Plugged	1953	1964	6499	Mud-Laden Fluid
529	Lutcher & Moore Lumber Co "B"	19	Glasco, G.E.	14B2EXC12/90	1953		5780	
530	Lutcher & Moore Lumber Co	1	Brown, C.L.	Plugged	1938	1956	5530	Mud-Laden Fluid
535	Lutcher & Moore Lumber Co	1	Brown, C.L.	Active	1938		5991	
537	Lutcher & Moore Lumber Co "A"	3	Brown, C.L.	14B2EXC	1952		4105	

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Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
539	Lutcher & Moore Lumber Co	5	Brown, C.L.	Corrective Action	1954	Unknown	6291	Unknown
540	Lutcher & Moore Lumber Co "B"	2	Brown, C.L.	Active	1938		Unknown	
543	Lutcher & Moore Lumber Co	18	Glasco, G.E.	Plugged	1953	1964	6400	Mud-Laden Fluid
544	Lutcher & Moore Lumber Co	20	Kadane-Brachman	Plugged	1954	1964	6316	Mud-Laden Fluid
545	Lutcher & Moore Lumber Co	21	Kadane-Brachman	Plugged	1954	1964	6316	Mud-Laden Fluid
546	Lutcher & Moore Lumber Co	22	Kadane-Brachman	Plugged	1955	1964	6321	Mud-Laden Fluid
547	Lutcher & Moore Lumber Co	23	Kadane-Brachman	Plugged	1955	1964	6321	Mud-Laden Fluid
550	Lutcher & Moore Lumber Co	26	Kadane-Brachman	Active	1956		3991	
551	Lutcher & Moore Lumber Co	27-A	Kadane-Brachman	Plugged	1958	1964	5182	Mud-Laden Fluid
552	Lutcher & Moore Lumber Co	28	Kadane-Brachman	14B2EXC1/91	1957		7170	
555	Lutcher & Moore Lumber Co	31	Kadane-Brachman	Plugged	1957	1964	3730	Mud-Laden Fluid
556	Lutcher & Moore Lumber Co	32	Kadane-Brachman	Plugged	1957	1964	3614	Mud-Laden Fluid
557	Lutcher & Moore Lumber Co	33	Kadane-Brachman	Plugged	1957	1964	3986	Mud-Laden Fluid
558	Lutcher & Moore Lumber Co	39	Northwest Oil Company	14B2EXC1/91	1959		5306	
560	Lutcher & Moore Lumber Co	40	Northwest Oil Company	Plugged	1960	1965	6412	Mud-Laden Fluid
561	Lutcher & Moore Lumber Co	41	Northwest Oil Company	14B2EXC12/90	1961		5204	
562	Lutcher & Moore Lumber Co	42	Northwest Oil Company	14B2EXC12/90	1961		3806	
563	Lutcher & Moore Lumber Co	43	Northwest Oil Company	14B2EXC12/90	1961		5400	
565	Lutcher & Moore Lumber Co	46	Northwest Oil Company	14B2EXC12/90	1963		7083	
566	Lutcher & Moore Lumber Co	48	Northwest Oil Company	14B2EXC1/91	1963		6604	
567	Lutcher & Moore Lumber Co	50	Northwest Oil Company	Plugged	1963	1971	3605	10 lbs/gal
568	Lutcher & Moore Lumber Co	4	Brown, C.L.	Plugged	1952	1967	4105	10 lbs/gal
570	Kishi-Lang "A"	4	Gulf Production Company	Plugged	1923	1931	4390	Mud-Laden Fluid
571	Lutcher & Moore Lumber Co	12	Glasco, G.E.	14B2EXC	1952		4280	
574	Lutcher & Moore Lumber Co	35	Northwest Oil Company	Plugged	1957	1964	4283	Mud-Laden Fluid
576	Lutcher & Moore Lumber Co	37	Northwest Oil Company	Plugged	1959	1971	6598	10.2 lbs/gal
577	Lutcher & Moore Lumber Co	38	Northwest Oil Company	Plugged	1959	1965	6612	Mud-Laden Fluid
583	Kishi-Lang "A"	6	Gulf Production Company	Plugged	1923	1936	4117	Mud-Laden Fluid
584	Kishi-Lang "A"	8	Gulf Production Company	Plugged	1924	1935	5081	Mud-Laden Fluid
585	Kishi-Lang "A"	3	Gulf Production Company	Plugged	1922	1928	3600	Mud-Laden Fluid
586	Kishi-Lang "A"	9	Gulf Production Company	Plugged*	1925	Unknown	3193	Unknown
587	Kishi-Lang "A"	11	Gulf Production Company	Corrective Action	1926	Intent 1935	4660	Unknown
588	Kishi-Lang "B"	1	Gulf Production Company	Plugged	1920	1923	3961	Mud-Laden Fluid
589	Kishi-Lang "B"	2	Gulf Production Company	Plugged	1920	1934	4636	Mud-Laden Fluid
590	Kishi-Lang "B"	3	Gulf Production Company	Plugged	1922	1923	4270	Mud-Laden Fluid
591	Kishi-Lang "B"	4	Gulf Production Company	Plugged	1922	1923	5483	Mud-Laden Fluid
592	Kishi-Lang "B"	5	Gulf Production Company	Plugged	1922	1923	4302	Mud-Laden Fluid
593	Kishi-Lang "B"	6	Gulf Production Company	Plugged*	1922?	Unknown	4117	Unknown
594	Kishi-Lang "B"	7	Gulf Production Company	Plugged*	1923	Unknown	3180	Unknown
595	Kishi-Lang "B"	8	Gulf Production Company	Plugged	1926	1934	4631	Mud-Laden Fluid
596	Kishi-Lang "B"	9	Gulf Production Company	Plugged	1926	1934	4629	Mud-Laden Fluid
601	State-Cow Bayou	3	Kilmarnock Oil Company	Active	1952		4860	
602	State-Cow Bayou	5	Kilmarnock Oil Company	Plugged	1953	1963	6570	Mud-Laden Fluid
605	State-Cow Bayou	10	Kilmarnock Oil Company	Plugged	1955	1960	6354	Mud-Laden Fluid
607	Lutcher & Moore "A"	1	Turnbull, J.R.	Corrective Action	1936	Unknown	7006	Unknown
609	Lutcher & Moore Lumber Co.	1	Gulf Production Company (Keown Oil)	Plugged	1939	1970	5619	9.8 lbs/gal

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AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
610	Hager Fee, Lee	2	Wayside Oil & Paul Cormier	14B2EXC	<1950		Unknown	
611	Hager Fee, Lee	8	Paul Cormier Production	Plugged*	1953	Unknown	6420	Unknown
612	Hager Fee, Lee	9	Paul Cormier Production	14B2EXC	1954		6424	
613	Hager Fee, Lee	6	Paul Cormier Production	SWD	1953		6400	
614	Hager Fee, Lee	11	Paul Cormier Production	Active	1954		1707	
615	Hager Fee, Lee	13	Paul Cormier Production	Active	1954		2706	
617	Hager Fee, Lee	15	Paul Cormier Production	14B2EXC	1955		6474	
618	Hager Fee, Lee	16	Paul Cormier Production	Plugged*	1955	Unknown	6350	Unknown
619	Gulf-Lee Hager Fee	18	Paul Cormier Production	14B2EXC	1956		6389	
620	Gulf-Lee Hager Fee	22	Paul Cormier Production	Active	1958		5249	
622	Gulf-Lee Hager Fee	28	Paul Cormier Production	Active	1959		2778	
623	Gulf-Lee Hager Fee	32	Paul Cormier Production	Active	1975		3020	
624	Gulf-Lee Hager Fee	33	Paul Cormier Production	Plugged	1977	1990	2730	10.1 lbs/gal
625	Lutcher & Moore Lumber Co.	9	Kilmarnock Oil Company	Plugged	1955	1956	6341	Heavy Mud
629	Chesson "B"	12	Humble Oil & Refining Company	Plugged	1922	1931	4023	Mud-Laden Fluid
631	Gulf-Winfree Fee	4	Paul Cormier Production	Active	1955		4250	
634	Michel-Berwick	1	Kilmarnock Oil Company	14B2EXC1/90	1955		4500	
637	Chesson "B"	3	Brown, C.L.	Active	1939		4703	
638	Lutcher-Moore Lumber Co.	9	Kilmarnock Oil Company	Active	1989		5625	
639	State-Cow Bayou	4	Kilmarnock Oil Company	Plugged	1953	1958	6380	Mud-Laden Fluid
640	Lutcher-Moore Lumber Co.	54	Northwest Oil Company	14B2EXC12/90	1964		6526	
643	Lutcher-Moore Lumber Co. "A"	70	Windfohr Oil Company	Shut -In	1975		6507	
644	Lutcher-Moore Lumber Co. "A"	71	Windfohr Oil Company	Active	1976		6500	
645	Lutcher-Moore Lumber Co. "A"	72	Windfohr Oil Company	Active	1976		7206	
649	Chesson "C"	22	Kilmarnock Oil Company	Active	1981		4874	
653	Gulf-Lee Hager Fee	4	Wayside Oil Company & Paul Cormier	Active	1951		3704	
654	Lutcher-Moore Lumber Co.	52	Northwest Oil Company	Active	1964		4700	
656	Lutcher-Moore Lumber Co.	57	Northwest Oil Company	14B2EXC12/90	1967		3224	
657	Hager Fee, Lee	8	Gulf Production Company	Plugged*	1922	Unknown	4645	Unknown
659	Lutcher-Moore Lumber Co.	34	Kadane-Brachman	Plugged	1957	1971	3583	10.5 lbs/gal
661	Lutcher-Moore Lumber Co.	27	Kadane-Brachman	Plugged	1956	1956	813	Mud-Laden Fluid
664	Kishi - Lang	4	Rycade Oil Corporation	Plugged	Unknown	1930	4315	Mud-Laden Fluid
665	Lutcher-Moore Lumber Co.	58	Northwest Oil Company	14B2EXC12/90	1967		6397	
667	Lutcher-Moore Lumber Co.	60	Northwest Oil Company	Plugged	1968	1968	3550	10.1 lbs/gal
668	Lutcher-Moore Lumber Co.	61	Northwest Oil Company	14B2EXC12/90	1968		2500	
671	Lutcher-Moore Lumber Co.	64	Northwest Oil Company	14B2EXC12/90	1969		2599	
673	Lutcher-Moore Lumber Co.	66	Northwest Oil Company	Shut -In	1972		3559	
676	Lutcher-Moore Lumber Co. "A"	68	Windfohr Oil Company	Active	1975		3825	
678	Lutcher-Moore Lumber Co.	51	Northwest Oil Company	Active	1964		3699	
679	Lutcher-Moore Lumber Co.	63	Northwest Oil Company	Shut -In	1968		1600	
682	State - Cow Bayou "B"	6	Rycade Oil Corporation	Plugged	1926	1931	4632	Mud-Laden Fluid
684	Chandler, W.L.	7	Halbouty, Michel T.	Plugged	1957	1963	3618	Mud-Laden Fluid
687	Chandler "B"	1	TXO Production Corp.	Active	1985		7186	
692	Williams, Mary A.	1	Sinclair Oil & Gas Co.	Plugged	1954	1954	7388	Mud-Laden Fluid
693	Williams, Mary A.	1-A	Sinclair Oil & Gas Co.	Plugged*	~1954	Unknown	Unknown	Unknown
695	Chandler, W.L.	1	Halbouty, Michel T.	Plugged	1956	1963	8930	Mud-Laden Fluid

Table 4-5
Artificial Penetrations for No-Migration Standard
Non-Sealing Fault Case at Orange Dome
Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
697	Johnson Heirs	2	Kilmarnock Oil Company	Plugged	1951	1959	6602	Heavy Mud
698	Johnson Heirs, Rachael	1	Sun Exploration & Prod. Company	Plugged	1983	1985	7500	9.6 lbs/gal
699	Johnson Heirs	1	Kilmarnock Oil Company	Plugged	1951	1956	6538	Heavy Mud
700	Norwood and Bland	1	Kilmarnock Oil Company	Plugged	1953	1955	6388	Heavy Mud
701	Johnson et al., Rachael	1	Sun Oil Company	Plugged	1925	1956	5704	Mud-Laden Fluid
702	McCall et al., "A", Dave	1	Gulf Production Company	Plugged	1923	1923	4335	Mud-Laden Fluid
703	McGuire, Adelia	2	Brown, Jr., Clifford L.	Active	1969		4507	
705	Gulf-Lee Hager Fee	25	Paul Cormier Production	Plugged	1958	1989	4540	9.7 lbs/gal
706	Hager Fee, Lee	3	Gulf Production Company	Abandoned location				
707	Gulf-Lee Hager Fee	26	Paul Cormier Production	Active	1959		5930	
708	Gulf-Lee Hager Fee	17	Paul Cormier Production	14B2EXC	1956		6349	
709	Brown, Estate of Dr. E.W.	1	Parish-Watts-Colllins, Inc.	Plugged	1922	1922	3404	Mud-Laden Fluid
710	McGuire, W.P.	3	Kishi	Plugged*	Unknown	Unknown	Unknown	Unknown
711	McGuire, W.P.	1	Gulf Production Company	Plugged	1921	1922	4612	Mud-Laden Fluid
712	McGuire, Adelia	1	Brown, Jr., Clifford L.	Active	Unknown		Unknown	
713	McCall	1	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
714	Hager & Moore	7	Gulf Production Company	Plugged*	1922	Unknown	3512	Unknown
715	Chesson "A"	16	Gulf Production Company	Plugged*	Unknown	Unknown	Unknown	Unknown
716	Chesson "A"	9	Orange Petroleum Corporation	Corrective Action	Unknown	Unknown	Unknown	Unknown
717	Chesson "A"	4	Orange Petroleum Corporation	Corrective Action	Unknown	Unknown	Unknown	Unknown
718	Chesson "A"	13	Orange Petroleum Corporation	Corrective Action	Unknown	Unknown	Unknown	Unknown
719	Chesson "A"	3	Orange Petroleum Corporation	Corrective Action	Unknown	Unknown	Unknown	Unknown
720	Chesson, Oscar	14	Continental Oil Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
722	State-Cow Bayou	1	Cameron Anderson Orange, Inc.	Plugged*	Unknown	Unknown	Unknown	Unknown
723	Paraffine/McCall	1		Plugged*	Unknown	Unknown	Unknown	Unknown
724	Hager Fee, Lee	1	Wayside Cormier	Active	Unknown		Unknown	
725	Hager Fee, Lee	19	Gulf Production Company	Active	1925		4672	
726	Hager Fee, Lee	21	Gulf Production Company	Plugged	1928	1928	4823	Mud-Laden Fluid
727	Gulf-Lee Hager Fee	5	Wayside Oil Company & Paul Cormier	Shut -In	1951		3555	
728	State - Cow Bayou "B"	5	Rycade Oil Corporation	Plugged*	1926	Intent 1931	3398	Unknown
730	Hager Fee, Lee	23	Gulf Production Company	Plugged	1926	1926	4638	Mud-Laden Fluid
731	Hager Fee, Lee	14	Paul Cormier Production	Active	1954		6408	
732	Hager Fee, Lee	24	Gulf Production Company	Plugged*	1926	Unknown	Unknown	Unknown
733	State - Cow Bayou "A"	9	Kilmarnock Oil Company	Active	1955		6340	
734	State - Cow Bayou "A"	3	Sinclair Oil & Gas Co.	Plugged*	Unknown	Unknown	Unknown	Unknown
735	State - Cow Bayou "A"	1	Sinclair Oil & Gas Co.	Plugged*	Unknown	Unknown	Unknown	Unknown
736	State - Cow Bayou "A"	2	Sinclair Oil & Gas Co.	Plugged*	Unknown	Unknown	Unknown	Unknown
737	State - Cow Bayou "A"	4	Sinclair Oil & Gas Co.	Plugged*	Unknown	Unknown	Unknown	Unknown
738	State - Cow Bayou "A"	7	Kilmarnock Oil Company	Plugged	1954	1960	6415	Mud-Laden Fluid
740	Gulf-Lee Hager Fee	27	Paul Cormier Production	Active	1959		2960	
741	Lutcher-Moore Lumber Co.	25	Kadane-Brachman	14B2EXC12/90	1956		4283	
742	Lutcher-Moore Lumber Co.	11	Glasco, G.E.	14B2EXC12/90	1951		4340	
744	Kishi	3	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
745	Lutcher-Moore Lumber Co.	55	Northwest Oil Company	14B2EXC12/90	1964		6006	
746	Kishi - Lang	1	Amerada Petroleum Corp.	Plugged	1921	1930	4326	Heavy Mud
747	Kishi - Lang	3	Rycade Oil	Corrective Action	Unknown	Unknown	Unknown	Unknown

Table 4-5
Artificial Penetrations for No-Migration Standard
Non-Sealing Fault Case at Orange Dome
Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
748	Lutcher-Moore Lumber Co.	8	Glasco, G.E.	Plugged	1950	1950	6555	Mud-Laden Fluid
749	Lutcher-Moore Lumber Co.	49	Northwest Oil Company	Active	1964		3250	
751	Lutcher-Moore "A"	7	Gulf Production Company	Plugged	1924	1931	4125	Mud-Laden Fluid
752	Lutcher-Moore	1	Turnbull, J.R.	Plugged	1936	1965	7093	Mud-Laden Fluid
753	Lutcher-Moore Lumber Co.	47	Northwest Oil Company	14B2EXC12/90	1964		3200	
755	Kishi-Lang "A"	1	Gulf Production Company	Plugged	1920	1921	3604	Mud-Laden Fluid
757	State-Cow Bayou	1	Halbouty, Michel T.	Plugged*	Unknown	Unknown	Unknown	Unknown
760	State-Cow Bayou	2	Halbouty, Michel T.	Plugged	1957	1958	7351	Mud-Laden Fluid
762	Lutcher-Moore	36	Northwest Oil Company	Plugged	1959	1965	6598	Mud-Laden Fluid
763	Lutcher-Moore	7	Kilmarnock Oil Company	Active	1972		4850	
764	Chesson "A"	13	Humble Oil & Refining Company	Plugged	1922	1931	4438	Mud-Laden Fluid
765	Chesson "A"	14	Humble Oil & Refining Company	Plugged	1922	1931	4753	Mud-Laden Fluid
766	Lutcher-Moore	8	Kilmarnock Oil Company	Active	1976		5648	
767	Chesson (Lutcher-Moore)	5	Humble Oil & Refining Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
769	Chesson "A"	25	Humble Oil & Refining Company	Plugged	1925	1926	5198	Mud-Laden Fluid
770	Lutcher-Moore "D"	1	Texkan Oil Company	Active	1956		6290	
771	Lutcher-Moore	20	Humble Oil & Refining Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
772	Chesson "B"	11	Brown, C.L.	Corrective Action	Unknown	Unknown	Unknown	Unknown
773	Chesson "B"	6	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
774	Chesson, Oscar	10	Humble Oil & Refining Company	Plugged	1922	1931	4735	Mud-Laden Fluid
775	Chesson "B"	7	Kilmarnock Oil Company	Active	1972		4325	
776	Chesson, Oscar	1	Little Six Oil Company	Plugged*	1919	Unknown	Unknown	Unknown
777	Gunstream, Wm.	6	Sun Oil Company	Plugged	1924	1928	4888	Mud-Laden Fluid
778	Williams et vir., Mrs. Mary	1	McClain et al., H. T.	Corrective Action	1924	Unknown	Unknown	Unknown
781	Lutcher-Moore Lumber Co. "A"	69	Windfohr Oil Company	14B2EXC1/91	1975		4200	
782	Lutcher-Moore	2	Northwest Oil Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
783	Lutcher-Moore Lumber Co.	62	Northwest Oil Company	Plugged	1968	1968	3750	10 lbs/gal
784	Kishi - Lang	10	Gulf Production Company	Plugged*	1935	Unknown	Unknown	Unknown
785	Lutcher-Moore Lumber Co. "B"	4	Northwest Oil Company	Plugged	1961	1984	3820	10 lbs/gal
786	Lutcher-Moore Lumber Co. "B"	2	Northwest Oil Company	Plugged	1960	Unknown	2850	Unknown
787	Lutcher-Moore Lumber Co. "B"	1	Northwest Oil Company	Plugged	1958	1989	3084	Unknown
789	Lutcher-Moore Lumber Co. "B"	3	Northwest Oil Company	Plugged	1961	1971	5014	Cement plug
790	Lutcher-Moore Lumber Co. "B"	53	Northwest Oil Company	Plugged	1964	1964	5467	Mud-Laden Fluid
793	Chesson "A"	15	Humble Oil & Refining Company	Plugged	1923	1931	3178	Mud-Laden Fluid
794	Lutcher-Moore Lumber Co.	4	Union Producing Company	14B2EXC	1939		6018	
795	Kishi-Lang "A"	2	Gulf Production Company	Corrective Action	1921	Unknown	3189	Unknown
796	Lutcher-Moore/Kishi	1	Humble Oil & Refining Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
797	Chesson, Oscar & Wife	5	Orange Petroleum Corporation	Corrective Action	1923	Unknown	6758	Unknown
798	Chesson, Oscar	4	Gulf Production Company	Plugged	1922	1931	3573	Mud-Laden Fluid
799	Chesson "A"	1	Gulf Production Company	Plugged*	Unknown	Unknown	Unknown	Unknown
800	Chesson "A"	8	Gulf Production Company	Plugged*	Unknown	Unknown	Unknown	Unknown
801	Chesson, Oscar	20	Gulf Production Company	Plugged*	Unknown	Unknown	Unknown	Unknown
802	Chesson, Oscar	3	Gulf Production Company	Plugged	6604	7742	4430	Mud-Laden Fluid
803	Winfree, W.	8	Kilmarnock Oil Company	Active	Unknown		Unknown	
804	Winfree, W.	1	Kilmarnock	SWD	Unknown		Unknown	
805	Winfree, W.	2	Kilmarnock Oil Company	SWD	Unknown		Unknown	

Table 4-5
Artificial Penetrations for No-Migration Standard
Non-Sealing Fault Case at Orange Dome
Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
806	Winfree, Wm.	1	Brown, C.L.	Active	1941		4309	
807	Winfree, W.	10	Kilmarnock Oil Company	Active	Unknown		Unknown	
808	Hager & Moore	2	Gulf Production Company	Plugged*	1922	Unknown	3560	Unknown
809	Corbello, M.M.	1B	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
810	Belile, R.E. & J.	3	Sun Oil Company	Plugged*	1923	Unknown	3475	Unknown
811	Jackson, et al., Geneva	4	Supreme Oil Company	Plugged*	Unknown	Unknown	Unknown	Unknown
812	Kishi, K. & Lang, Isaac	2	Rycade Oil Corporation	Plugged	Unknown	1924	2072	Mud-Laden Fluid
813	Winfree "A", W.	5	Bowles, W.V.	Corrective Action	Unknown	Unknown	Unknown	Unknown
814	Cow Bayou "C"	4	Tillery Oil Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
815	State-Cow Bayou "C"	4	Tillery Oil Company	Plugged*	Unknown	Unknown	Unknown	Unknown
816	Winfree, William	4	Gulf Production Company	Plugged*	Unknown	Unknown	Unknown	Unknown
817	Winfree, William	5	Gulf Production Company	Plugged*	Unknown	Unknown	Unknown	Unknown
819	Marrs McLean	2	Brown, C.L.	Corrective Action	Unknown	Unknown	Unknown	Unknown
820	Winfree, Wm.	4	Humble Oil & Refining Company	Plugged	1921	1930	3582	Mud-Laden Fluid
821	Winfree, Wm.	8	Humble Oil & Refining Company	Plugged	1922	1924	4261	Mud-Laden Fluid
822	Winfree, Wm.	10	Humble Oil & Refining Company	Plugged	1924	1930	3610	Mud-Laden Fluid
824	Winfree, Wm.	2	Brown, C.L.	Active	1950		2038	
825	Berwick, Michelle	2	Texkan Oil/Orange Petroleum	Corrective Action	Unknown	Unknown	Unknown	Unknown
827	Jackson Heirs	3	Brown, C.L.	Plugged*	1955	Unknown	Unknown	Unknown
828	Gulf-Lee Hager Fee	3	Wayside Oil Company & Paul Cormier	Plugged*	1951	Unknown	2938	Unknown
829	Brown, E.W.	1	Brown, C.L.	Plugged	1963	1989	4275	9.6 lbs/gal
830	Hager & Moore	10	Gulf Production Company	Plugged*	1923	Unknown	3531	Unknown
831	State - Cow Bayou "B"	4	Rycade Oil Corporation	Plugged*	Unknown	Unknown	Unknown	Unknown
832	Kishi	2	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
833	Chesson	23	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
834	Chesson (Lutcher-Moore)	4	Humble Oil & Refining Company	Plugged*	Unknown	Unknown	Unknown	Unknown
835	State-Cow Bayou	2	Kilmarnock Oil Company	Plugged	1938	1988	6035	9.8 lbs/gal
836	Stewart, Mary Ellen Winfree	1	Paul Cormier Production	Plugged*	Unknown	Unknown	Unknown	Unknown
837	Bettis NCT-1, Ethel	1	Texas Company, The	Plugged	1957	1957	7365	Mud-Laden Fluid
838	Stewart, Ellen	3	Paul Cormier Production	Plugged*	Unknown	Unknown	Unknown	Unknown
841	Chesson "A"	19	Humble Oil & Refining Company	Plugged	1923	1931	4759	Mud-Laden Fluid
843	State - Cow Bayou "B"	3	Rycade Oil Corporation	Plugged	1922	1928	4159	Mud-Laden Fluid
846	Brown Estates	4	Brown-Babette	Plugged*	Unknown	Unknown	Unknown	Unknown
847	Brown Estates	2	Brown-Babette	Plugged*	Unknown	Unknown	Unknown	Unknown
848	Brown Estates	3	Paul Cormier Production	Plugged	Unknown	1983	Unknown	Unknown
850/ 268	Brown Estate, E. W. same as Well No. 268	2	McCarthy, Inc., Glenn H.	Plugged	1937	1938	6756	Mud-laden Fluid
851	Brown Estate	6	Sun Oil Company	Plugged*	Unknown	Unknown	Unknown	Unknown
852	Lutcher-Moore Lumber Co. "B"	56	Northwest Oil Company	14B2EXC12/90	1967		3235	
854	Lutcher-Moore Lumber Co.	2	Brown, C.L.	Corrective Action	1955	Unknown	6278	Unknown
855	Lutcher-Moore	6	Kilmarnock Oil Company	Corrective Action	Unknown	Unknown	6056	Unknown
856	Chesson "D"	2	Kilmarnock Oil Company	Active	Unknown		6054	
857	Lutcher-Moore Lumber Co. "A"	2	Brown, C.L.	Corrective Action	1938	Unknown	5704	Unknown
858	Chandler "B"	2	TXO Production Corp.	Active	Unknown		Unknown	
859	Chesson, Oscar	6	Hamilton Oil (Continental Oil)	Plugged*	Unknown	Unknown	Unknown	Unknown
860	Chesson, Oscar	7	Hamilton Oil (Continental Oil)	Plugged*	Unknown	Unknown	Unknown	Unknown

Table 4-5
Artificial Penetrations for No-Migration Standard
Non-Sealing Fault Case at Orange Dome
Sabine River Works

AP#	LEASE NAME	WELL #	OPERATOR	STATUS	SPUD DATE	PLUG DATE	TD	MUD WT.
861	State-Cow Bayou	11	Kilmarnock Oil Company	Plugged	1960	1960	6466	Mud-Laden Fluid
862	Hager Fee, Lee	18	Gulf Production Company	Plugged*	1925	Unknown	4663	Unknown
863	Winfree	?	Kilmarnock Oil Company	Corrective Action	Unknown	Unknown	Unknown	Unknown
864	Belile, J.E. & R.	1	Sun Oil Company	Plugged*	Unknown	Unknown	Unknown	Unknown
865	McCall	1	Republic Oil Company	Plugged*	Unknown	Unknown	Unknown	Unknown
866	Chesson, Oscar	2	Little Six Oil Company	Plugged*	Unknown	Unknown	Unknown	Unknown
867	Chesson "D"	1	Kilmarnock Oil Company	Active	Unknown		Unknown	
868	Chesson "A"	2	Keown, C.C.	Corrective Action	Unknown	Unknown	Unknown	Unknown
869	Chesson, Oscar	15	Orange Petroleum Corporation	Plugged*	Unknown	Unknown	Unknown	Unknown
870	State - Cow Bayou "A"	8	Kilmarnock Oil Company	Active	Unknown		Unknown	
871	Gulf-Lee Hager Fee	7	Paul Cormier Production	Plugged	1951	1983	5314	9.5 lbs/gal
872	Johnson Heirs	1-R	Desco Oil Company	Active	1989		6400	

*Paul Cormier, long time operator of Orangefield Dome, states that well has been plugged

Table 4-6
Molecular Diffusion Modeling of Wastewater Constituents
Sabine River Works

Chem. Abstract No. CAS	Waste Code	Chemical Name Constituent	Land Ban HBL, mg/l Detection Limit	Maximum Modeled Wellhead Concentration (mg/L)	Maximum Modeled Concentration Reduction Factor (CRF)	9.0 lb/gal Mud Difffusion Distance For 10,000 Years Near Site (feet)	Shale Diffusion Distance for 10,000 years (feet)
7440-39-3	D005	Barium	2.0E+00	2.00E+06	1.0E-06	436	216
7440-47-3	D007	Chromium	1.0E-01	1.00E+06	1.0E-07	353	175
7439-92-1	D008	Lead	(1.0E-03)	1.00E+03	1.0E-06	468	231
7439-97-6	D009	Mercury	2.0E-03	2.00E+04	1.0E-07	467	231
71-43-2	D018	Benzene	5.0E-03	5.00E+03	1.0E-06	462	228
108-90-7	D021	Chlorobenzene	1.0E-01	1.00E+06	1.0E-07	403	200
95-48-7	D023	o-Cresol (2-methylphenol)	5.0E-02	5.00E+05	1.0E-07	395	195
108-39-4	D024	m-Cresol (3-methylphenol)	5.0E-02	5.00E+05	1.0E-07	395	195
106-44-5	D025	p-Cresol (4-methylphenol)	(1.0E-02)	1.00E+05	1.0E-07	395	195
1319-77-3	D026	Cresol, General (Cresylic acid)	(1.0E-02)	1.00E+05	1.0E-07	395	195
106-46-7	D027	p-Dichlorobenzene (1,4-Dichlorobenzene)	7.5E-02	7.50E+05	1.0E-07	384	195
78-93-3	D035	Methyl ethyl ketone (MEK) (2-butanone)	6.0E-01	6.00E+06	1.0E-07	425	210
98-95-3	D036	Nitrobenzene	5.0E-04	5.00E+03	1.0E-07	476	236
74-90-8	P063	Hydrogen Cyanide (Hydrocyanic acid)	2.0E-02	2.00E+03	1.0E-05	489	242
557-19-7	P074	Nickel cyanide	(1.0E-03)	1.00E+04	1.0E-07	392	194
143-33-9	P106	Sodium cyanide	4.0E-02	4.00E+05	1.0E-07	392	194
1314-62-1	P120	Vanadium pentoxide (Vandium oxide V205)	9.0E-03	9.00E+04	1.0E-07	392	194
108-90-7	U037	Monochlorobenzene, chlorobenzene	1.0E-01	1.00E+06	1.0E-07	403	200
1319-77-3	U052	Cresol, (methyl phenol)	(1.0E-02)	1.00E+05	1.0E-07	395	195
110-82-7	U056	Cyclohexane	(9.0E-05)	9.00E+02	1.0E-07	402	199
108-94-1	U057	Cyclohexanone	5.0E+00	5.00E+07	1.0E-07	402	199
67-56-1	U154	Methanol (Methyl Alcohol)	5.0E-01	5.00E+06	1.0E-07	467	231
109-95-2	U188	Phenol	6.0E-01	6.00E+06	1.0E-07	416	206
109-99-9	U213	Tetrahydrofuran	(2.0E-03)	2.00E+04	1.0E-07	449	222
	D002	Corrosive*					
	D003	Reactive*					
		* Requested codes with no HBL or Detection Limit					