LMR DOC EXCHANGE
Date: 7-5-12

INSTRUMENT ASSIGNMENT

Note: Incomplete forms will not be processed. All Assignment fees are Non-refundable.

For and in consideration of the full sale price of $ Twenty ($20.00) dollars paid for the instrument, improvements and/or personal property, with the amount of $ none additional dollars, paid for the improvements and/or personal property, receipt of which is hereby acknowledged. We hereby sell, assign and transfer, all of my/our rights, title and interest in State of Idaho Instrument No. LU600045 DJS Properties #1-15 unto the following:

Individual or Family Trust Name:
Last
First
Middle
DBA:

Business or Entity Name: Alta Mesa Services, LP

Business or Entity Registration No. (or proof of pending application) L6666

ADDRESS OF RECORD (FOR ALL CORRESPONDENCE) AND CONTACT INFORMATION

Street: 15021 Katy Frwy., Suite 400
PO Box:
City: Houston
State: Texas
Zip +4: 77094
Country: USA
Attention: Dale R. Hayes
Title: Vice President - Operations

Business: Alta Mesa Services, LP
Contact Name: Dale R. Hayes
Fax: 281-944-0106
Contact Name: Dale R. Hayes
Home:
Contact Name:
Cell Area Code/Phone#:
Contact Name:
Email Address(es): dhayes@altamesa.net

☐ Assign **Encroachment** (Attachment A not required).
☒ Assign an interest in **all lands** within Instrument (Attachment A not required).
☐ Assign an interest in **only part of the lands** in the Instrument. (Attachment A required for lands remaining and lands being removed)

ACCEPTANCE AND ASSUMPTION BY ASSIGNOR

I / We hereby swear and affirm that the consideration stated herein is the full and complete amount paid by the assignees to the assignors for the above-described State of Idaho Instrument, and no additional payment has been or will be made.

6/20/12 — Date
N J CLAYTON - CEO — Current Instrument Holder/Designated Agent
Bridge Energy — Company Name (*if applicable*)

Date
N. Clayton — Current Instrument Holder/Designated Agent
Company Name (*if applicable*)

STATE OF Colorado
County of Denver) ss.

Subscribed and sworn to before me this 20 day of June, 20 12

Rosemary Diener
Notary Public
My Commission Expires: 10.21.12

ROSEMARY DIENER NOTARY (SEAL) PUBLIC STATE OF COLORADO
My Commission Expires Oct. 21, 2012

ACCEPTANCE AND ASSUMPTION BY ASSIGNEE

The undersigned, as Assignee(s) above-named, assumes and accepts the obligations and conditions of the above-described State of Idaho Instrument and separately covenants with the State of Idaho that they will abide thereby during the term of said Instrument. Assignee(s) does hereby swear and affirm that the sum of $ is the full and complete amount of consideration paid by Assignee(s) to the Assignor(s) herein, and that no additional payment has been or will be made.

06/19/2012 — Date
DR Hayes VP-Ops — New Instrument Holder/Designated Agent
Alta Mesa Services, LP — Company Name (*if applicable*)

Date
Dale R. Hayes — New Instrument Holder/Designated Agent
Company Name (*if applicable*)

STATE OF Texas
County of Harris) ss.

Subscribed and sworn to before me this 26th day of June

Sherry Ellen Gay
Notary Public
My Commission Expires: 2-27-13

SHERRY ELLEN GAY
Notary Public, State of Texas
My Commission Expires
February 27, 2013
(SEAL)

Area Office Use Only
Instrument No. LU600045 Fee $ Area Manager Signature 7/5/12 Date

BUREAU OF SURFACE AND MINERAL RESOURCES
300 North 6th Street Suite 103
PO Box 83720
Boise ID 83720-0050
Phone (208) 334-0200
Fax (208) 334-3698

IDAHO DEPARTMENT OF LANDS

GEORGE B. BACON, DIRECTOR
EQUAL OPPORTUNITY EMPLOYER

STATE BOARD OF LAND COMMISSIONERS
C. L. "Butch" Otter, Governor
Ben Ysursa, Secretary of State
Lawrence G. Wasden, Attorney General
Donna M. Jones, State Controller
Tom Luna, Sup't of Public Instruction

October 22, 2010

Jodie West
Bridge Energy, Inc.
1580 Lincoln Street, Suite 1110
Denver, Colorado 80203

Assigned to Alta Mesa Services, LP
of 15021 Katy Freway Ste 400
Houston TX 77094
Recorded July 5, **, 2012**

SUBJECT: Permit to Drill LU600045 (API#11-075-20-020, DJS Properties #1-15)

The Idaho Department of Lands has completed our review of this permit to drill for oil and gas. Enclosed is a copy of the approved permit. This permit was approved with the following stipulations:

1. The permittee shall be required to submit an affidavit covering the initial BOP pressure test after installation signed by the operator or contractor attesting to the satisfactory pressure test.
2. The permittee shall ensure mud pits are adequately sized, designed and constructed for the reception and confinement of mud and cuttings and to prevent contamination of streams and potable water.
3. Drilled holes cannot be used for any other purposes unless they are constructed according to the applicable well construction standards administered by the Idaho Department of Water Resources.
4. Multiple zone completion has not been requested, and must be applied for separately, as required by IDAPA 20.07.02.220.
5. If a full length seal is not used to decommission a well, decommissioning must include sealing all uncased sections of the well bore and perforating and pressure grouting all casing not sealed during well construction.
6. No secondary recovery efforts have been applied for, and Class II injection wells for injecting brines and other fluids to aid oil and gas production may not be permitted.
7. Non-productive wells must be decommissioned prior to drilling the next hole.
8. Temperature readings must be periodically taken to insure that the correct cement is used. Temperature readings must be logged and submitted with other well information after hole completion.
9. Applicant will obtain necessary water rights from Idaho Department of Water Resources if nearby wells will be used to supply water for the drilling operations.

This is to certify that this is a true and correct copy of this document, the original of which is on file with the Idaho Department of Lands (IDL).

IDL Representative — Date 7/10/12

Please ensure that all operations are conducted in accordance with the requirements of IDAPA 20.07.02 (Rules Governing Conservation Of Crude Oil And Natural Gas In The State Of Idaho).

This permit will be administered by Nancy Welbaum in our Southwest Supervisory Area. She will be inspecting the drilling operation, and may be accompanied by our contractor assisting with inspections. Please contact her at 208-334-3488 if you have any questions.

Sincerely,

Eric Wilson
Navigable Waters/Minerals Program Manager

cc: Nancy Welbaum
Chad Hersley, IDWR, PO Box 83720, Boise, Idaho 83720-0098
Ryan V. Morgan, Centra Consulting, 413 W. Idaho Street, Suite 302, Boise, Idaho 83702

IDAHO OIL AND GAS CONSERVATION COMMISSION

Application For Permit to Drill, Deepen or Plug Back

APPLICATION TO: Drill [X] Deepen [ ] Plug Back [ ]

NAME OF COMPANY OR OPERATOR: Bridge Energy, Inc. Date: 10/12/2010

Address: 1580 Lincoln Street, Suite 1110

City: Denver State: CO Zip Code: 80203 Telephone: (303)831-9022

Distance, in miles, and direction from nearest town or post office: Approximately 5 miles NNE of New Plymouth, ID

DESCRIPTION OF WELL AND LEASE

Name of Lease: DJS Properties Well Number: #1-15 Elevation (ground) 2444.54 ft

Well Location: Section: 15 Township: 8N Range: 4W (or block and survey)

(give footage from section lines): 1560' FNL 2278' FEL (SW ¼ NE ¼)

Field and Reservoir (if wildcat, so state): Willow County: Payette

Nearest distance from proposed location to property or lease line: 1560 feet

Distance from proposed location to nearest drilling, completed or applied for on the same lease: N/A feet

Proposed depth: 6000 ft Rotary or cable tools: Rotary

Approx date work will start: November, 2010 Number of acres in lease: 640

Number of wells on lease, including this well, completed in or drilling to this reservoir: 1

If lease purchased with one or more wells drilled, complete the following information:

Purchased from (name) N/A

Address of above N/A

Status of bond N/A

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) Survey plats and drilling prognosis are attached.

Please direct any inquiries to Jodie West (Bridge Energy, Inc.) at 1-303-831-9022.

CERTIFICATE: I, the undersigned, state that I am the Consultant of Bridge Energy, Inc. (company) and that I am authorized by said company to make this application and that this application was prepared under my supervision and direction and that the facts stated herein are true, correct and complete to the best of my knowledge.

Date: 10/12/10 Signature: [signature]

Permit Number: LU600045 Approval Date: 10/25/10 Approved by: [signature]

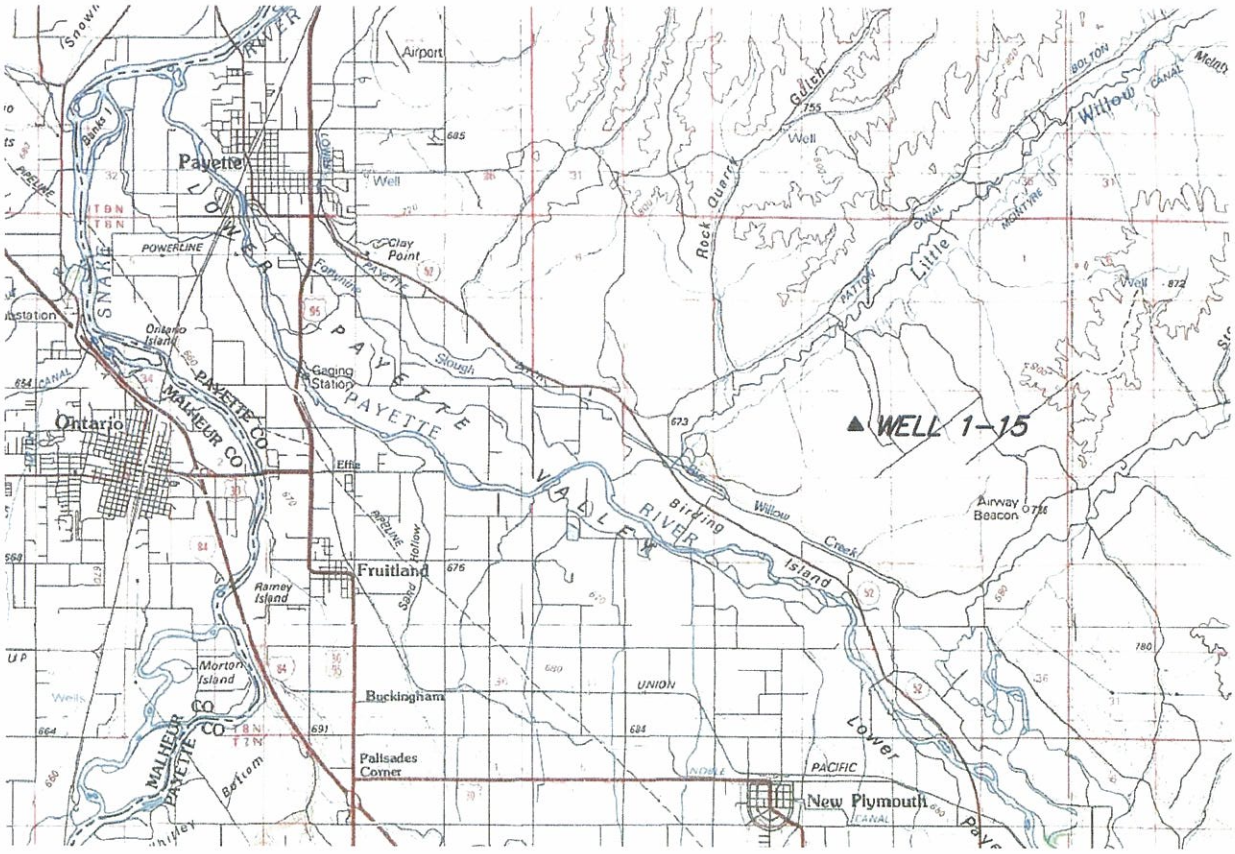
API #11-075-20020

NOTICE: Before sending in this form, be sure that you have given all information requested. See instructions on back.

FORM P-1
Authorized by Order No. 2
Rev. 08/14/07

DJS PROPERTIES - WELL 1-15 - VICINITY MAP

LOCATED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 15, T8N, R4W, BM, PAYETTE COUNTY, IDAHO



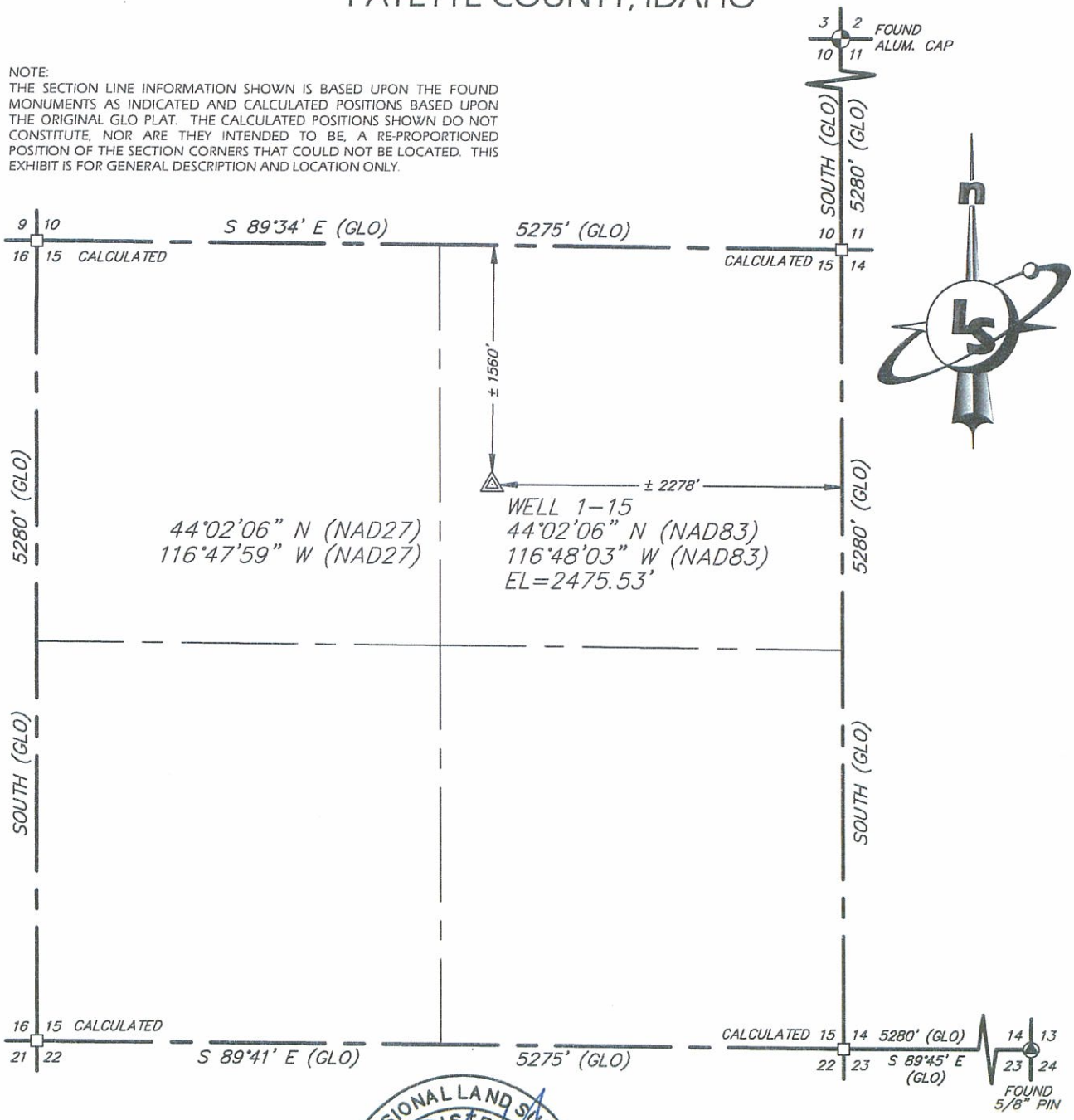
SCALE: 1"=2 MILES

LandSolutions
Land Surveying and Consulting
231 E. 5TH ST., STE. A
MERIDIAN, ID 83642
(208) 288-2040 (208) 288-2557 fax
www.landsolutions.biz

DJS PROPERTIES - WELL 1-15 - SECTION EXHIBIT

LOCATED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 15, TOWNSHIP 8 NORTH, RANGE 4 WEST, BOISE MERIDIAN, PAYETTE COUNTY, IDAHO

NOTE:
THE SECTION LINE INFORMATION SHOWN IS BASED UPON THE FOUND MONUMENTS AS INDICATED AND CALCULATED POSITIONS BASED UPON THE ORIGINAL GLO PLAT. THE CALCULATED POSITIONS SHOWN DO NOT CONSTITUTE, NOR ARE THEY INTENDED TO BE, A RE-PROPORTIONED POSITION OF THE SECTION CORNERS THAT COULD NOT BE LOCATED. THIS EXHIBIT IS FOR GENERAL DESCRIPTION AND LOCATION ONLY.



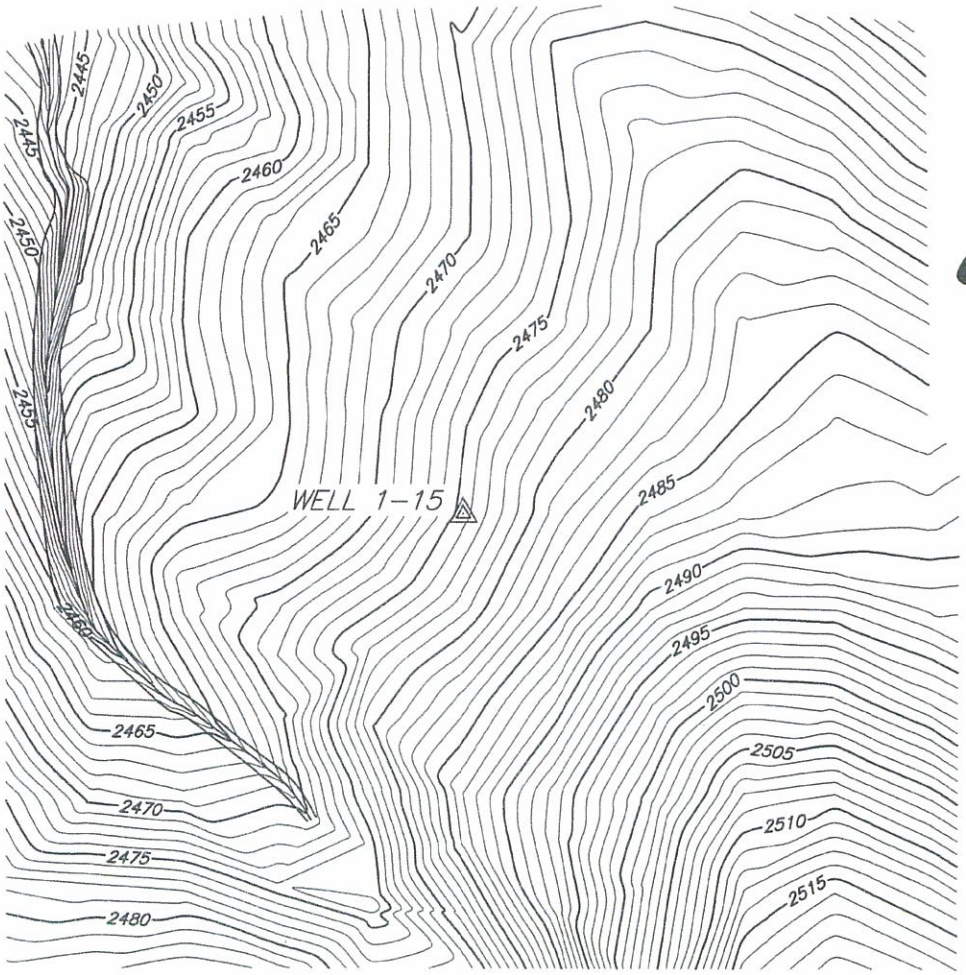
PROFESSIONAL LAND SURVEYOR
REGISTERED
11118
10/07/10
STATE OF IDAHO
CLINTON W. HANSEN

0 500 1000 2000

LandSolutions
Land Surveying and Consulting
231 E. 5TH ST., STE. A
MERIDIAN, ID 83642
(208) 288-2040 (208) 288-2557 fax
www.landsolutions.biz

DJS PROPERTIES - WELL 1-15 - TOPOGRAPHY EXHIBIT

LOCATED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 15, TOWNSHIP 8 NORTH, RANGE 4 WEST, BOISE MERIDIAN, PAYETTE COUNTY, IDAHO



PROFESSIONAL LAND SURVEYOR
REGISTERED
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10/07/10
STATE OF IDAHO
CLINTON W. HANSEN

0 50 100 200

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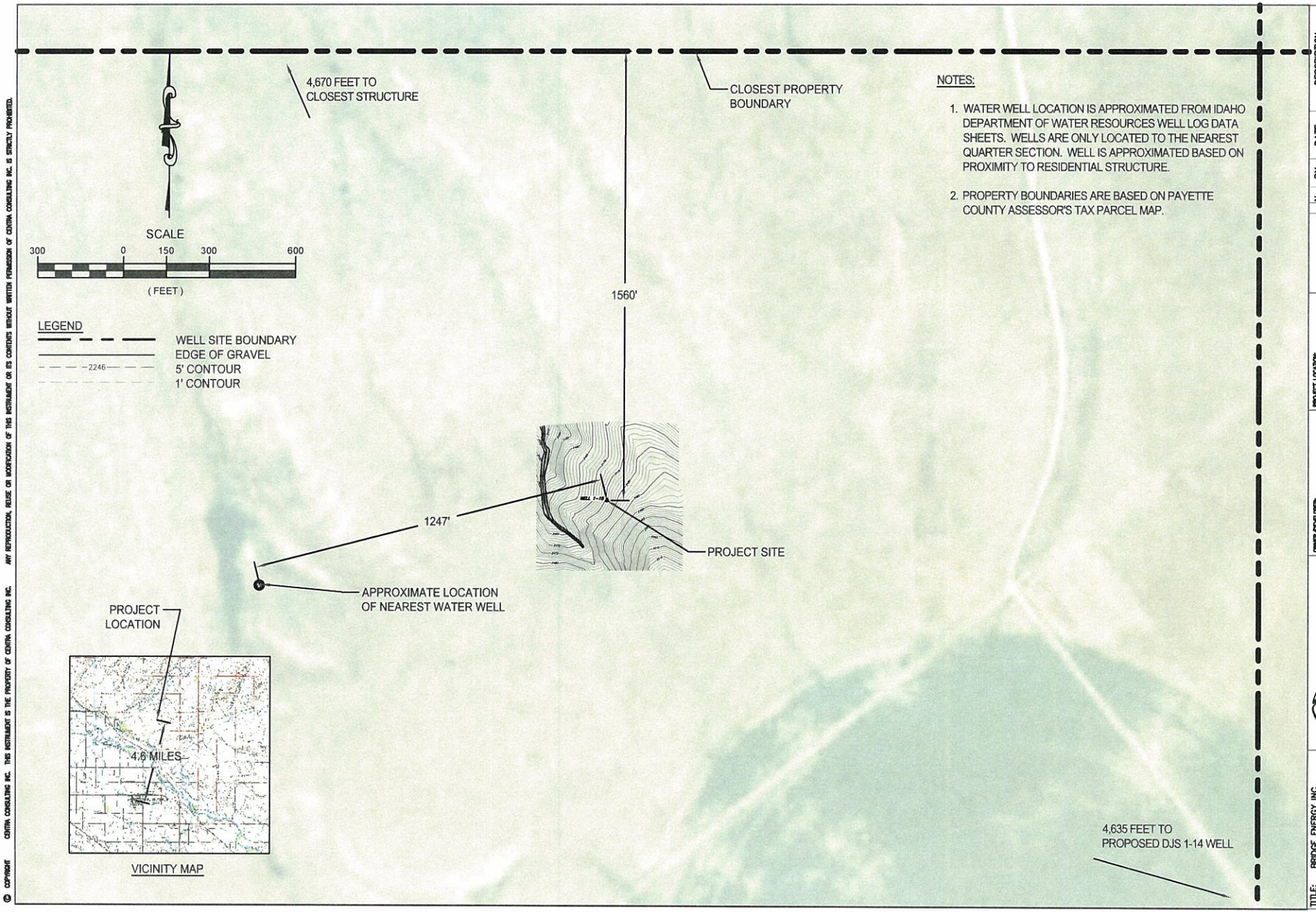


NOTES:

1. WATER WELL LOCATION IS APPROXIMATED FROM IDAHO DEPARTMENT OF WATER RESOURCES WELL LOG DATA SHEETS. WELLS ARE ONLY LOCATED TO THE NEAREST QUARTER SECTION. WELL IS APPROXIMATED BASED ON PROXIMITY TO RESIDENTIAL STRUCTURE.
2. PROPERTY BOUNDARIES ARE BASED ON PAYETTE COUNTY ASSESSOR'S TAX PARCEL MAP.

REVISIONS			
No.	BY	DATE	DESCRIPTION

PROJECT LOCATION:
DJS PROPERTIES
999 MAIN ST, SUITE 1300
BOISE, ID 83702

PROJECT CONTACT:
JODIE WEST

OWNER/DEVELOPER:
BRIDGE ENERGY INC.
1580 LINCOLN ST, STE 1110
DENVER, COLORADO 80203
(303) 831-9022

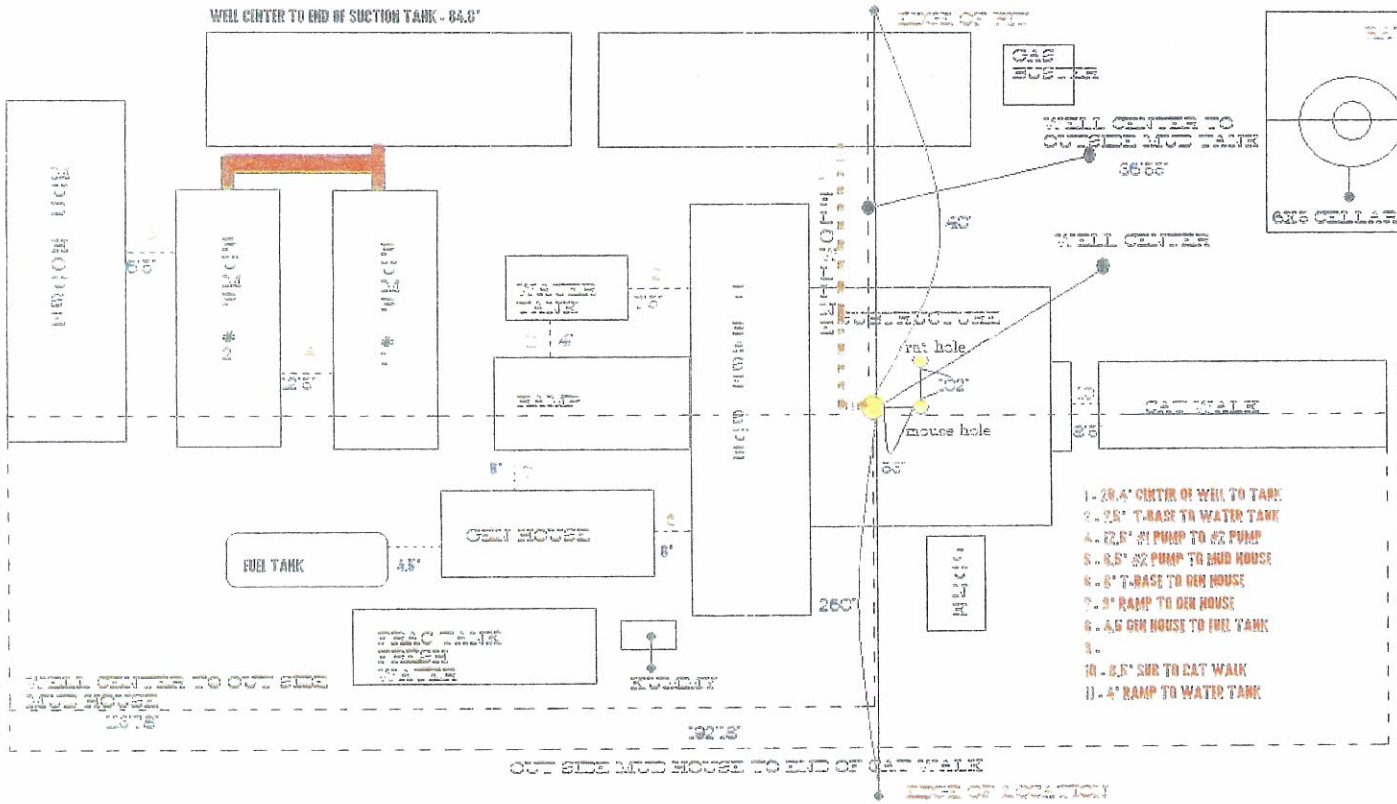
CENTRA CONSULTING INC.
515 WEST PARK, SUITE 101
BOISE, IDAHO 83702
TEL: 208.344.6690
FAX: 208.344.6691
WWW.CENTRACONSULTING.COM

TITLE: BRIDGE ENERGY INC.
PAYETTE, IDAHO OPERATIONS
WELL LOCATION EXHIBIT

DATE	DESIGNED BY:	DRAWN BY:	CHECKED BY:
10/06/10	SHR	RVW	SHR

SHEET DJS1-15 DRAWING # EX-1

C:\CENTRA Projects\BRIDGE RESOURCES\Scissor Drawing\DWG\EXC DOCTYPE\DJS 1-13 Well Location Exhibit.dwg - CAD Designer - Oct 11, 2010 - 4:48pm



SKID MEASUREMENTS
CAT WALK ----------4'8"W / 47'3"L
FUEL TANK----------8'3"W / 30"
GAS BUSTER--------8'W / 8'L
GEN HOUSE---------8'3"W / 41'7"L
JUNK BOX----------8'W / 20'9"L
SUCTION TANK------8'3"W / 48'2"L
SHAKER TANK-------8'3"W / 48'8"L
#1 PUMP----------8'4"W / 32'6"L
#2 PUMP----------8'4"W / 32'6"L
RAMP----------11'4"W / 44'4"L
SUBSTRUCTURE--27"W / 19'1"L
T-BASE----------8'W / 48'4"L
WATER TANK-------8'W / 35'11"L
MUD HOUSE--------10'2"W / 37'6"L

WHS, LLC
Razorback Rig Component Listing

The following list contains the components of the 2004 Cameron C-900 Hp, Trailer Mounted Drilling Rig w/ VIN Number (5024). This rig also operates w/ a FDS 150 Ton HMI hydraulic Top Drive.

Qty	Item	Remarks
1	Drawworks - Cameron 42"x 12" Water Circulating Drum w/ water cooled main brake and Wichita water cooled assist brake…Wichita Drum Clutch	
1	Power and Drive Package – Twin (2) Detroit Series 60 engines; 450 Hp each w/ Allison 5960 Transmissions into a Cushman 1000 Hp gear driven Compound, to Cushman 1000 Hp RA box; 1:1 Ratio	
1	Mast – PEMCO 120' x 400K lbs hook load; 1.25 API rating; sheaved for 10- 1-1/8" drill lines; Serial # 1312	
2	Hydraulic Scoping Cylinder f/ PEMCO derrick	Spare
1	Fluid Design Services (FDS) 150 Ton Hydraulic Top Drive w/ diesel power package.	
1	Hydraulic Motor FDS 150 Ton Top Drive	Spare
1	Block-200 Ton ABCO, 10 line 5 x 36" sheave w/ ABCO Hook	
1	Weight Indicator-Totco type 4	
1	Sub Structure-17'H x 10'W x 16'L w/6' foldout wings. Unit scopes down to 10'6"H x 13'6" on lowboy.	
1	40' Kelly; Hex	
1	Kelly Bushing	
1	Kelly Shuck w/ protector	
1	Sub-structure/T-base-45' x 8'	
1	Sub-structure ramp-48'4" x 10', hydraulic raise-cylinders part # SD83CC-24-131	
1	Top Dog House-24'10" x 7'10.5", hydraulic raise, with knowledge box, lockers, shelfing, and bench seats. Framework installed for Pason Electronic Drilling Recorder and Autodriller computer system.	
1	Kelly Spinner-Cam-tech model 6100 hydraulic Kelly spinner assy.	
	Well Control Equipment-Shaffer LXT DBL 11" x 5K psi MAWP, Dual Ram, hydraulic BOP mfg. Date 11-04, Serial # 200213110-81 Shaffer LTX 11" x 5K psi MAWP spherical annular BOP	

WHS, LLC
Razorback Rig Component Listing

Qty	Item	Remarks
1	4-1/16" x 5000 psi BOP valve	
	Choke Manifold, fitted for HCR valve, choke-w/4outlets, 5000 psi	
1	Closing Unit-Massco Inc. 5 station	
2	Generators-DDC 410 KW generators, 277/480 VAC 3 Phase 60 HZ powered by 2 Detroit Series 60 14.0 L Diesel engines/Tier III Emissions standards. Skid mounted in covered house with all electronic panels as 1 unit.	
1	Generator House-44' x 10' skid mounted	
1	Swivel-EMSCO LB 200 Ton Serial # 208	
1	Mud System-2-tank system w/approx. 700 bbls capacity. 60 HP mud mixers, 4 agitators, 4 jet blowers, 70 bbls slugging tank, 2-Doublelife AWD III Linear shale shakers built in tandem, 600 GPM each. Mud Conditioner unit consisting of; 1-Doublelife AWD III shale shaker, 1-Doublelife Mod. I-210 Desander, and 1-Doublelife V-510, 10 cone Desilter.	
2	Mud Pumps-2 HHF-1000 HP triplex pumps w/pulsation dampners, powered by CAT 3412 1150 HP diesel engines, fully unitized. With 6" liners, 10" stroke, pumps will move 3.7 gal/stroke at 100% efficiency. Additional specifications upon request.	
3	American Roller Bearings for CE-F1000 mud pump	Spare
2	SKF Pillar Block bearings for CE-F1000	Spare
1	Mud/Gas Seperator: 30'H x 6' Dia vessel mounted on skid for easy rig up and tear down.	
1	Fresh Water Tank-200 bbl fresh water tank w/electronic 20 HP 480V frame 256T 3 x 2 centrifugal 4 x 6 water pump powered by Detroit 353 (2800 rpm)	
1	Catwalk-47'3" x 10'2" pipe racks	
1	Junk Box-20'9" x 7'10"	
1	Rotary Table-22" IDECO rotary table assy. On 44" centers complete w/split master bushing.	
1	Drill Collar Slips-Type A 5-1/2 MS 98C	
1	Drill Pipe Slips-Wooly M3-98	
1	Drill Collar Clamp(Wedding Band) AOT 12116 5 ½-6 5/8	

Qty	Item	Remarks
	Serial # 29140	
1	Casing Elevators M66-5 ½ 250 ton 227 MT	
	Drill Pipe Elevators-2-AOT(1) 150 ton(1) 250 ton	
	Cross Over Subs-Assorted	
1	Survey Machine-Wireline survey machine.	
1	Diesel Tank-8000 gal Cylindrical Tank: Myers diesel tank transfer pump assy. w/3hp 3600rpm explosion proof motor. Skid mounted with 3 compartments for oils on front of skid.	

This rig moves in 27 loads (including pipe). All components are skid mounted and mud-boated with lifting ears to be lifted onto oilfield floats or lowboys. All loads are legal permit loads.

BRIDGE RESOURCES

WILLOW PROSPECT
WELLBORE DATA SHEET

LEASE:	DJS Properties	**TOTAL DEPTH:**	6000ft
WELL:	1-15	**SURFACE LOCATION:**	2278' FEL, 1580'FNL (SW/4NE/4)
LOCATION:	Sec. 15, T8N-R4W		
		BOTTOM HOLE LOCATION:	
SPUD DATE:	November 2010		
OBJECTIVE:	Willow Sands	**ELEVATION:**	2476'
		ELEVATION(KB):	2494'

FORMATION EVALUATION	CASING SIZE (IN)		COMMENTS	HOLE SIZE (IN)	TVD	MUD WEIGHT (ppg)	FRACTURE GRADIENT (ppg)
	12" line pipe	**60ft**	No FIT	*20"*	60ft	8.4	8.4
			Top of cmt-300ft up inside 8 5/8" Csg				
	8-5/8" casing-24ppft-J55-R111-BTC	**600+ ft**	FIT	*10 5/8"*	600+ft	SBM 8.4	8.4
Mud Logging Each 10ft from 60ft **Haliburton** density,neutron,resistivity,sonic side wall cores	**4 1/2"-11.6ppft-R111-K55-LTC**	**6000ft**		7 5/8"	6000ft	SBM 9.5ppg	11.5

DRILLING PROGNOSIS
BRIDGE ENERGY, INC
DJS Properties 1-15 (Willow Development)
Sec 15-Township 8N-Range 4W
Payette County, Idaho

October, 2010

GENERAL

NOTE: This well is to be drilled as a tight hole. Unauthorized personnel are not to be allowed on the rig floor, and all information is to be kept confidential.

Surface Location: 2278' FEL and 1560' FNL Section 15-T8N-R4W

Bottomhole Location: Same

Proposed TD/Objective: 6000' /Willow Sands

Elevation: 2476' GL (ungraded); 2494' KB (estimated).

Drilling Rig: Story Drilling-Razorback

MECHANICAL

Casing Design:

SIZE	INTERVAL	LENGTH	DESCRIPTION	Collapse	Int Yd	Body Yd (x1000lb)
12"	0' - 60'	60'	Conductor 12"Line pipe			
8 5/8"	0' – 600+'	600+'	24#, J-55, R111, BTC	1,370	2,950	391
4 1/2"	0' –6000'	6000'	11.6#, K55, R111, LTC	4,960	5,350	180
2-7/8"	0' –6000'	6000'	6.5#, J-55, EUE	7,680	7,260	72.6

NOTE:- Clean and drift all strings of casing prior to running. Remove all thread sealant (Kindex) prior to running. Unload production casing and tubing strings with a forklift.

CEMENT

CASING/HOLE SIZE — **CEMENT SLURRY**

12" - 20" — Cement to surface with 3 yds Redi-mix.

8 5/8" – 10 5/8"

T.D. 600+ ft
Hole Size 10 5/8 in
Casing Size 8 5/8 in
Cement Coverage 600+ ft to surface
Cement Excess 15 %

Premium G Cmt 160 sks 15.8 #/gal 1.15 cuft/sk 5.0 gal/sk
Premium Class G Cmt 100 % (BWOC)
Calcium Chloride 2 % (BWOC)
Flocele ¼ #/sk

NOTE: . Have 100 sx neat cement and one-inch tubing on location for top job if required.

CASING/HOLE SIZE **CEMENT SLURRY**

4 1/2" – 7 5/8"

T.D. 6000 ft
Hole Size 7 5/8 in
Casing Size 4 ½ in
Tail Cmt Coverage 6000 ft to 2000 ft
Tail Cmt Excess 25 %
Lead Cmt Coverage 2000 ft to 300 ft
Lead Cmt Excess 25 %
BHST 250 + Deg. F

730 sks Prem. G w/ 35% Silica Flour 15.5 #/gal 1.56 cuft/sk 6.6 gal/sk
Premium G Cmt 100 % (BWOC)
Silica Flour 35 % (BWOC)
CDI 33 .5 % (BWOC)
Flocele ¼ #/sk

265 sks Prem. Lite Cmt 12.7 #/gal 1.84 cuft/sk 9.9 Gal/sk
Class G Cmt 65 % (BWOC)
Poz 35 % (BWOP)
Gel 6 % (BWOC)
Salt 3 % (BWOW)
Flocele ¼#sk

CEMENTING ACCESSORIES

Surface Casing:
1) Guide shoe with insert float located one joint above shoe.
2) Top wiper plug (rubber).
3) Centralizer with stop ring in middle of shoe joint.
4) Centralizers over collars on first three connections, omitting float collar.
5) Use a total of five centralizers.

Production Casing:
1) Differential-fill float collar located one joint above differential-fill float shoe.
2) Top and bottom wiper plug.
3) Centralizer with stop-ring in the middle of shoe joint.
4) Centralize through and 100' on either side of potentially productive intervals. Centralizer program to be determined after logging
5) Thread-lock all connections through float collar and use API casing dope on all remaining connections.
6) Stage cementing tool may be run to ensure placement of cement across any productive intervals and fresh water sands.
7) Centralize above and below stage cementing tool (if run).

WELLHEAD

Casing Head: 8-5/8" x 11" x 3,000 psi WP flanged casing head with two-2" LP outlets. Outlets equipped with one-2" 3,000 psi WP ball valve, and one-2" x 3,000 psi WP bull plug on the outlets.

Tubing Head: 11" x 7-1/16" x 3,000 psi WP tubing head with two-2" LP threaded outlets. Outlets to be equipped with 2" x 3,000 psi WP ball valves.

Upper Half: To be determined.

MUD PROGRAM

INTERVAL	WEIGHT (PPG)	VISCOSITY (SEC)	WL (CCS)
60' – 600+'	8.5 - 9.0 ppg	30 - 45 sec	NC

Surface hole will be drilled with SBM. Ensure all water sources are turned off at pits. Water from conductor will be displaced to D tank. Keep hole full and drill pipe moving at all times. Sweep hole with Super Sweep to insure the hole is clean prior to running surface casing.

INTERVAL	WEIGHT (PPG)	VISCOSITY (SEC)	WL (CCS)
600+' – 6000'	8.5 - 9.8 ppg	28 - 60 sec	10 ccs or less

Reference SBM program for specific maintenance, product concentrations, and mud treatment.
Keep hole full at all times. Monitor pit volume constantly as lost circulation and water flows should be expected at all times. Sweep hole as dictated by hole conditions. Ensure all MSD sheets are kept at wellsite.

Deviation tendencies in this area should not be severe; however, prudent drilling practices should be adhered to at all times. Surveys should be run at ±500 ft intervals, unless otherwise indicated.

WELL CONTROL EQUIPMENT

INTERVAL	EQUIPMENT
0' – 600+'	None
600+' – 6000'	11" x 3,000 psi WP double-gate BOP with blind and 4-1/2" pipe rams. Rig should be equipped with upper and lower kelly cocks, as well as stabbing valve (have wrench available at all times). BOP equipment will be tested after nipple-up and every 30 days thereafter by an Independent Certified BOP Tester (Produced signed copys of BOP test charts to Idaho State representative) Close pipe rams daily and blind rams on trips, recording results on tour sheets. BOP Function Test

GEOLOGICAL

Geologist/Mud Logger: Geologist and mud logger with hotwire and chromatograph to be on location from base of conductor casing to TD. Notify prior to spud and after setting surface casing.

Electric Logging: Quad Combo (DIL-BHC Sonic-Density-Neutron to be run from base of surface casing to TD. In addition the GR should be run up through surface casing to surface. Percussion sidewall cores may be taken at the geologist's discretion.

GEOLOGICAL (Continued)

Formation Tops: Assumes KB elevation of 2494 ft:

FORMATION	DRILL DEPTH	SUB SEA
Idaho Group Sands	Surface	+ 2,494'
Pro Delta Shale	570'	+ 1,924'
Willow Sands	4,478'	-1,984'
Total Depth	6000'	-3,506'

MISCELLANEOUS

1. Pump super sweep prior to running casings and prior to drilling out shoe. Pump efficiencies will be calculated from this information plus hole gauge

2. Monitor mud hydraulics closely. An in-gauge hole is extremely critical to achieve open-hole packer seats, interpretable logs, and a good cement bond.

3. Water will be hauled or pumped from nearby sources.

4. The area immediately around rig will be lined.

5 At all times, enough weight material will be carried on board to increase the existing drilling fluid by 1ppg

6 It is anticipated that a PDC bit will be used from approximately 600' to TD.

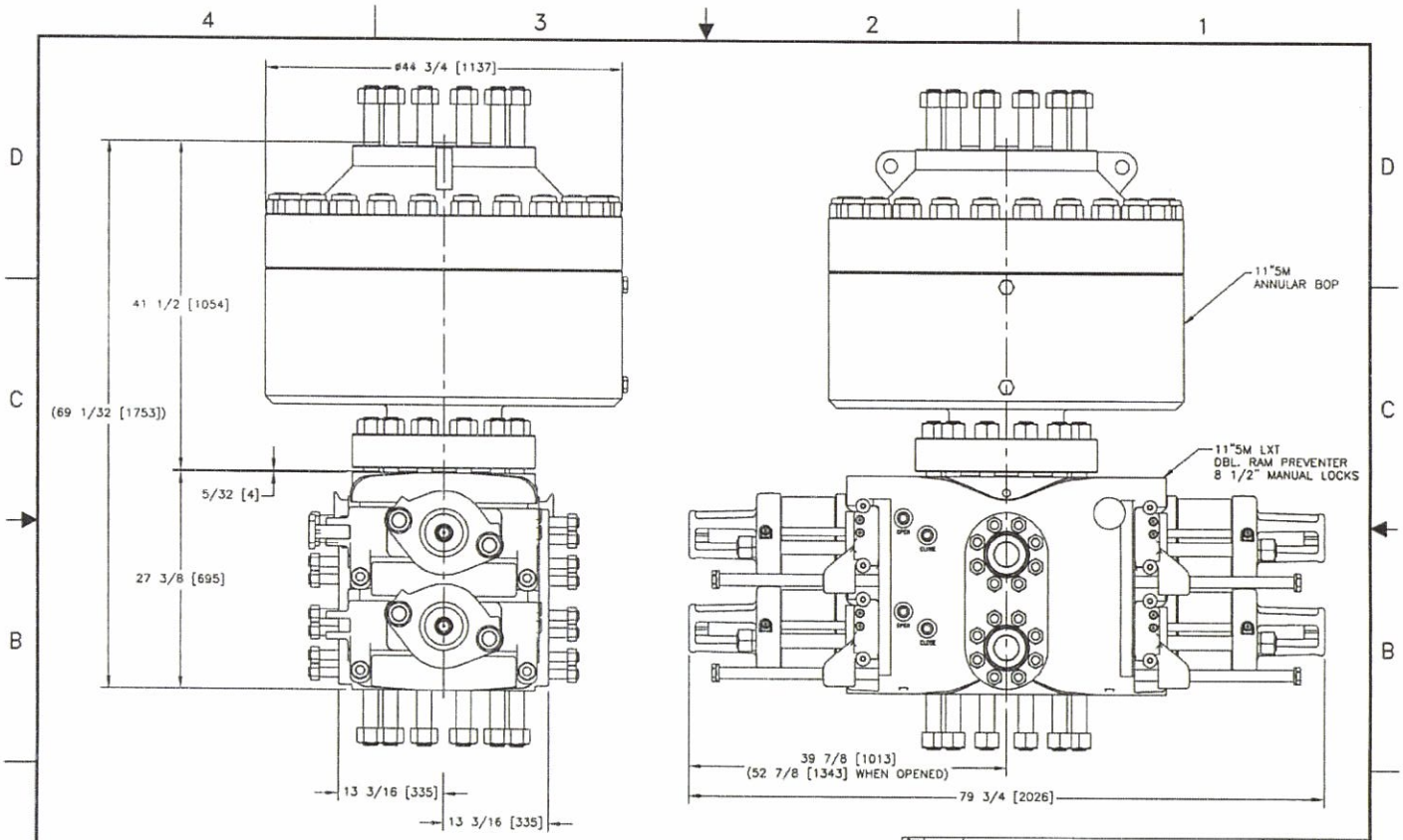
7. In general, the above prognosis is presented as a guideline only; and is subject to change as dictated by hole conditions and geological interpretation.

PERSONNEL	OFFICE NUMBER	CELL NUMBER
Ron Richards, Drilling Manager	303-831-9022	720-209-0207
Ed Davies, President	303-831-9022	720-641-8737

Prepared by:

_____

Ron Richards for Bridge Energy Inc.



NOTES:
TOTAL APPROX. WT. AS SHOWN WITH RAMS AND ELEMENT = 16,780 LBS. [7,611 KG.].

NO MANUAL CHANGES
FILE: SK6659 09/07/04

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Rev. Ltr.	ECR/N	Revision Description	By	App'd	Date

Material	N/A	Drawn SG	Date 09/04
		Checked N/A	N/A
Heat Treat	N/A	Engineer N/A	N/A
		Release No. N/A	
Unless Otherwise Specified	Unspecified Tolerances	Scale 1/8	
Dimensions Are In Inches	.X ± N/A	Est.Wgt. NOTED	
Do Not Scale Drawing	.XX ± N/A		
All Dimensions In Parentheses( ) Are Reference	.XXX ± N/A	Old Dwg.No.	
All Dimensions In Brackets [ ] Are Millimeters	Fractions ± N/A		
Break All Sharp Corners	Finish N/A ✓		
Remove All Burrs	Angles ± N/A	Sheet 1 of 1	

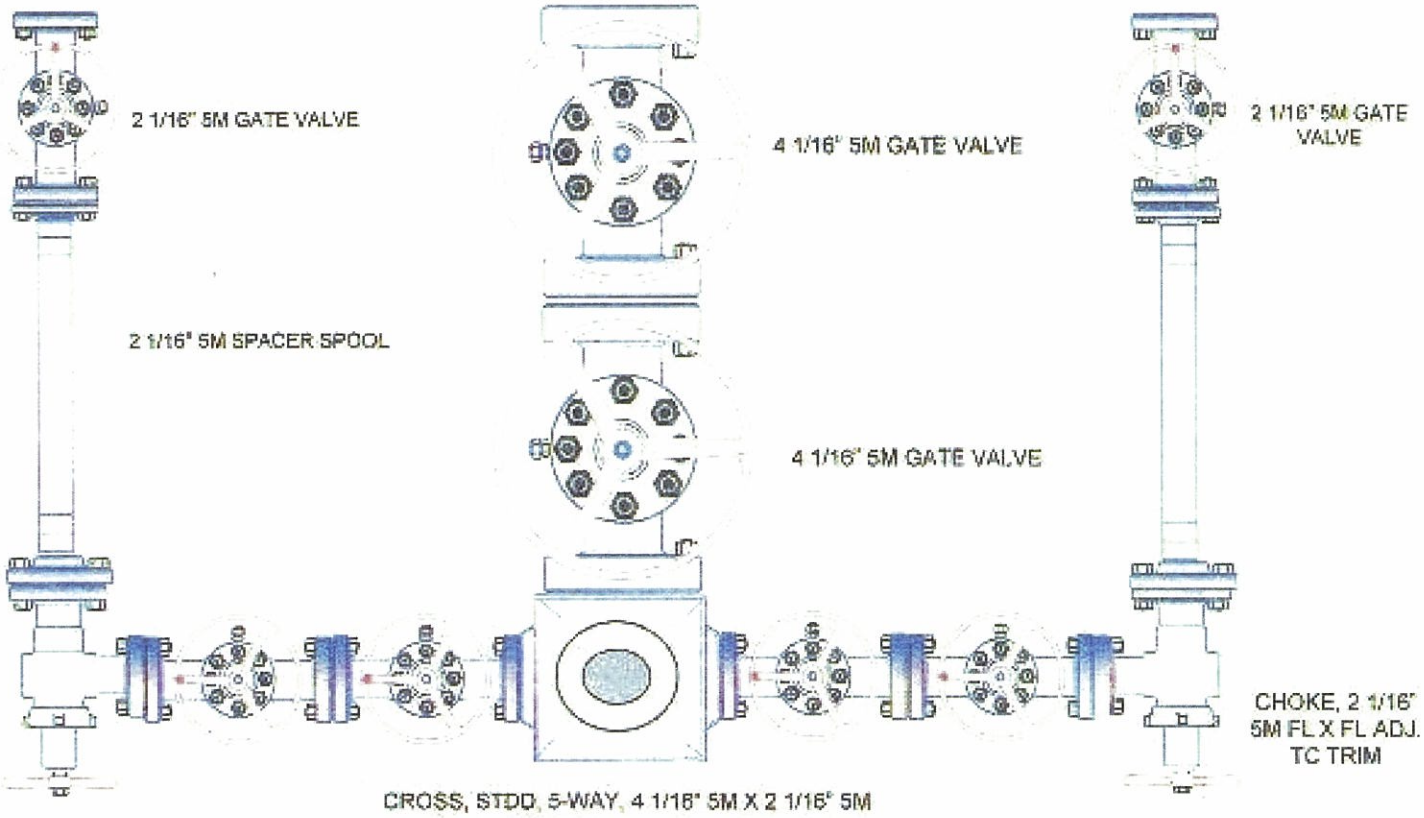
Shaffer®

Title: GENERAL ARRANGEMENT, STACK, 11-5M, LXT

C-SK-6659 Rev. 1

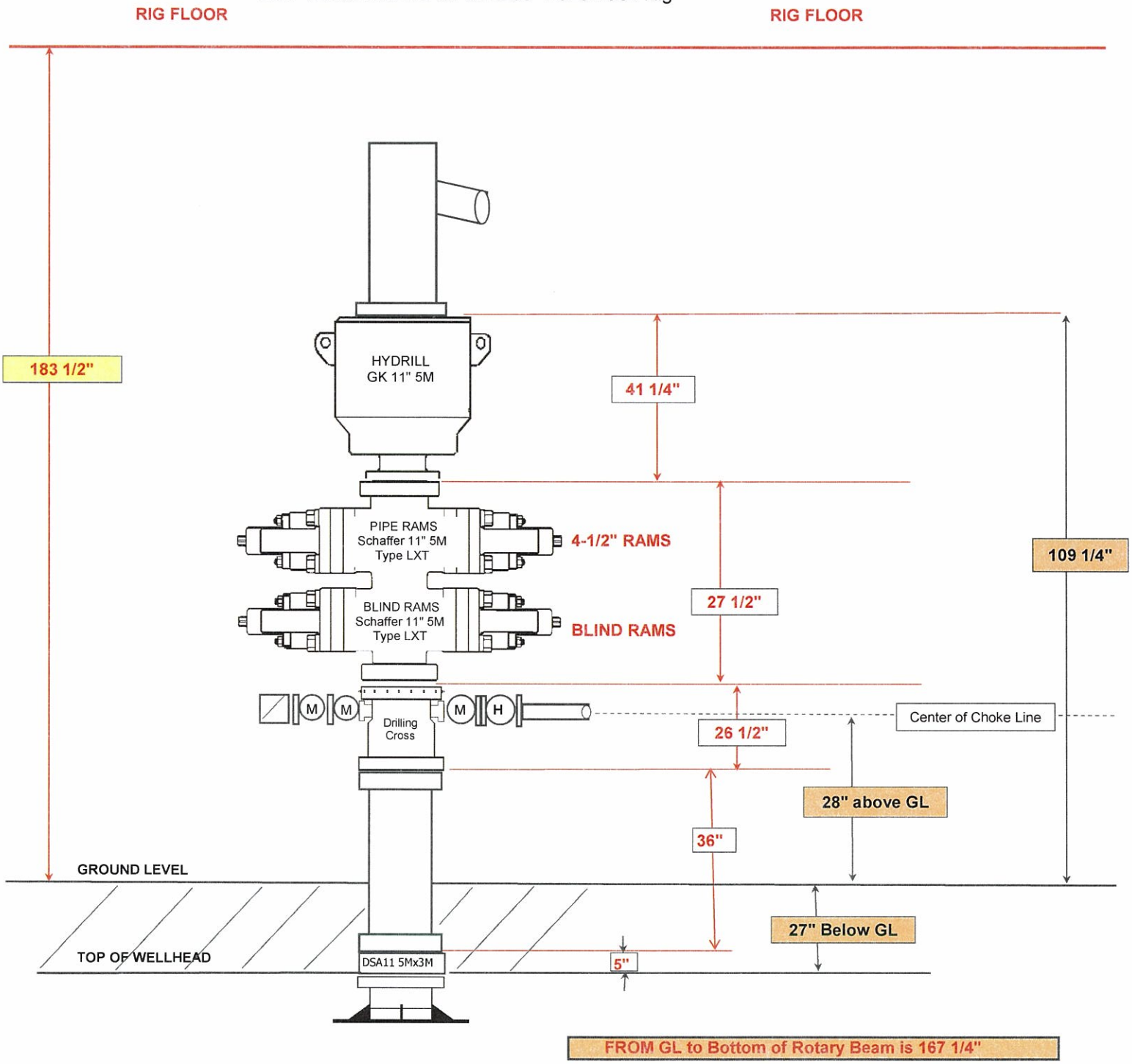
Manifold Spool 11" 5M x 11" 5M
1 outlet

4 1/16" 5M X 2 1/16" 5M CHOKE MANIFOLD



WHS, LLC

BOP Schematic NU on Surface- Razorback Rig



REG
10/12/2010