

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

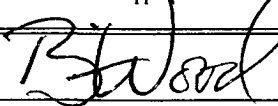
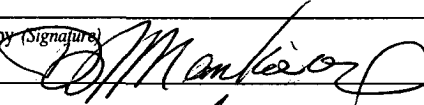
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM-094574
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator POGO PRODUCNG (SAN JUAN) COMPANY		7. If Unit or CA Agreement, Name and No. N/A
3a. Address P. O. BOX 10340 MIDLAND, TX 79702-7340	3b. Phone No. (include area code) (432) 685-8143	8. Lease Name and Well No. LaPLATA 33 2 T
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 970' FSL & 1465' FEL At proposed prod. zone SAME		9. API Well No. 30-045-33484
14. Distance in miles and direction from nearest town or post office* 3 AIR MILES NW OF LaPLATA POST OFFICE		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 145' (970' to CA line)	16. No. of acres in lease 400	11. Sec., T. R. M. or Blk. and Survey or Area O 33-32N-13W NMPM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. N/A	19. Proposed Depth 2,300'	12. County or Parish SAN JUAN
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,940' GL	22. Approximate date work will start* 02/01/2006	13. State NM
23. Estimated duration 2 WEEKS		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) BRIAN WOOD	Date 12/08/2005
Title CONSULTANT		
PHONE: (505) 466-8120 FAX: (505) 466-9682		
Approved by (Signature) 	Name (Printed/Typed)	Date 3/30/06
Title AFM	Office RFO	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".



NMOCD

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

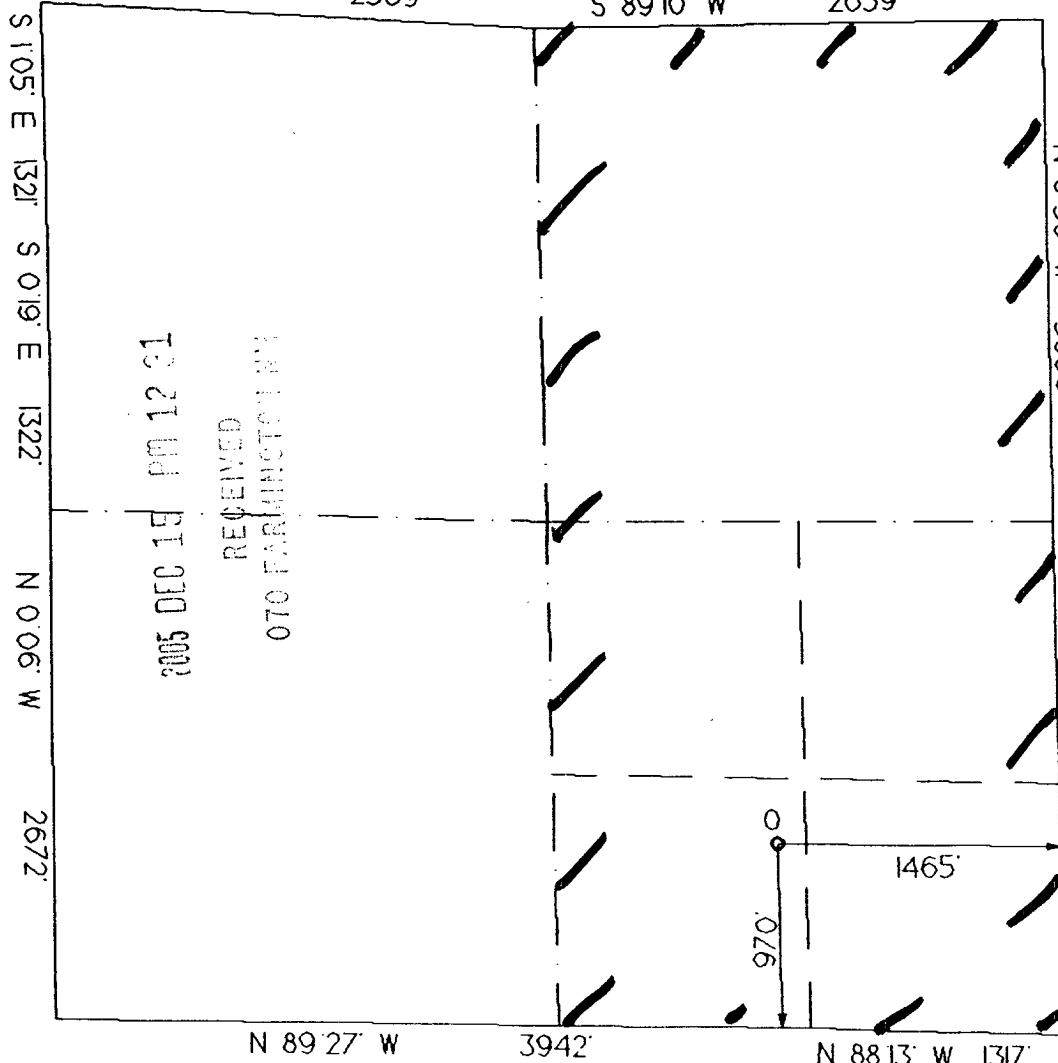
WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number 30-015-33484	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 301367	Property Name LA PLATA 33	Well Number 2 T
Order No. 233194	Operator Name POGO PRODUCING (SAN JUAN) CO.	Elevation 5940'

Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Idh.	Feet from	North/South	Feet from	East/West	County
0	33	32 N.	13 W.		970	South	1465'	East	SAN JUAN

Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idh.	Feet from	North/South	Feet from	East/West	County
Dedication 320	Joint ?	C	Consolidation	Order No.					

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>B. Wood</i>
Printed Name	BRIAN WOOD
Title	CONSULTANT
Date	DEC. 8, 2005
SURVEYOR CERTIFICATION	
I hereby certify that the well location on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
Date of Survey	2-6-'03
Signature and Seal of Professional Surveyor	<i>Gerald Huddleston</i>

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-33484
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator POGO PRODUCING (SAN JUAN) COMPANY		6. State Oil & Gas Lease No. NMNM-094574
3. Address of Operator P.O. BOX 10340, MIDLAND, TX 79702-7340		7. Lease Name or Unit Agreement Name LaPLATA 33
4. Well Location Unit Letter <u>O</u> : <u>970</u> feet from the <u>SOUTH</u> line and <u>1465</u> feet from the <u>EAST</u> line Section <u>33</u> Township <u>32N</u> Range <u>13W</u> NMPM County <u>SAN JUAN</u>		8. Well Number <u>2 T</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5,940' GL		9. OGRID Number <u>149052</u>
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat FULCHER KUTZ PC & BASIN FRUITLAND COAL
Pit type <u>DRILLING</u> Depth to Groundwater <u>>60'</u> Distance from nearest fresh water well <u>>1,000'</u> Distance from nearest surface water <u>~500'</u>		
Pit Liner Thickness: <u>12 mil</u> Below-Grade Tank: Volume _____ bbls Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <u>DRILLING PIT</u> <input checked="" type="checkbox"/>		OTHER: _____ <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed & closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Brian Wood TITLE CONSULTANT DATE 12-8-05

Type or print name BRIAN WOOD E-mail address: brian@permitswest.com Telephone No. (505) 466-8120
For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 40 DATE APR 03 2006
Conditions of Approval (if any):

LA PLATA 33 #
well pad & section

The diagram is a site plan for a well pad and section. It features a central rectangular area with rounded corners, oriented with 'front' at the top, 'rear' at the bottom, 'left' on the left, and 'right' on the right. A vertical line runs through the center, and a horizontal line runs across the center. A 'reserve pit 6' deep' is located on the left side, measuring 60' in length and 12' in width. A '5940' grd. C 0'' line is shown on the right side. The plan includes various dimensions: 40' at the top left, 39' at the top right, 75' at the bottom left, 75' at the bottom right, 41' on the far left, and 4' on the far right. A 'set stake & lath' symbol is shown on the left. A 'cut' symbol is shown at the top left. A 'fill' symbol is shown at the bottom left. A 'section' symbol is shown at the bottom right. A 'well pad & section' label is at the bottom right. A 'section' label is at the bottom right. A 'section' label is at the bottom right.

South

front

40'

39'

75'

5940' grd. C 0''

75'

75'

41'

4'

left

right

access & pipeline

rear

section

Pogo Producing (San Juan) Company
LaPlata 33 2 T
970' FSL & 1465' FEL
Sec. 33, T. 32 N., R. 13 W.
San Juan County, New Mexico

PAGE 1

Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Nacimiento	0'	5'	+5,940'
Kirtland Shale	1,240'	1,245'	+4,700'
Fruitland Coal	1,740'	1,745'	+4,200'
Pictured Cliffs Sandstone	2,140'	2,145'	+3,800'
Lewis Shale	2,240'	2,245'	+3,700'
Total Depth (TD)	2,300'	2,305'	+3,640'

2. NOTABLE ZONES

<u>Gas Zones</u>	<u>Water Zones</u>	<u>Coal Zones</u>
Fruitland	Ojo Alamo	Fruitland
Pictured Cliffs	Fruitland	

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. (A typical 2,000 psi model is on PAGE 3.) Double ram or annular 2,000 psi system with a rotating head will be used. All ram preventers and related equipment will be hydraulically tested at nipple up and after any use under pressure to 1,000 psi.

Pogo Producing (San Juan) Company
LaPlata 33 2 T
970' FSL & 1465' FEL
Sec. 33, T. 32 N., R. 13 W.
San Juan County, New Mexico

PAGE 2

Blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2,000 psi. Maximum expected pressure is ~~880~~ ⁹²⁰ psi.

4. CASING & CEMENT

<u>Hole Size</u>	<u>O. D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Age</u>	<u>GL Setting Depth</u>
8-3/4"	7"	20	K-55	New	120'
6-1/4"	4-1/2"	10.5	K-55	New	2,300'

Surface casing will be cemented to surface with ≈ 59 cubic feet (≈ 50 sacks) Class B + 2% CaCl_2 . Volume is based on 100% excess, yield of 1.18 cubic feet per sack, and slurry weight of 15.6 pounds per gallon. W. O. C. = 12 hours. Pressure test surface casing to ≈ 600 psi for 30 minutes.

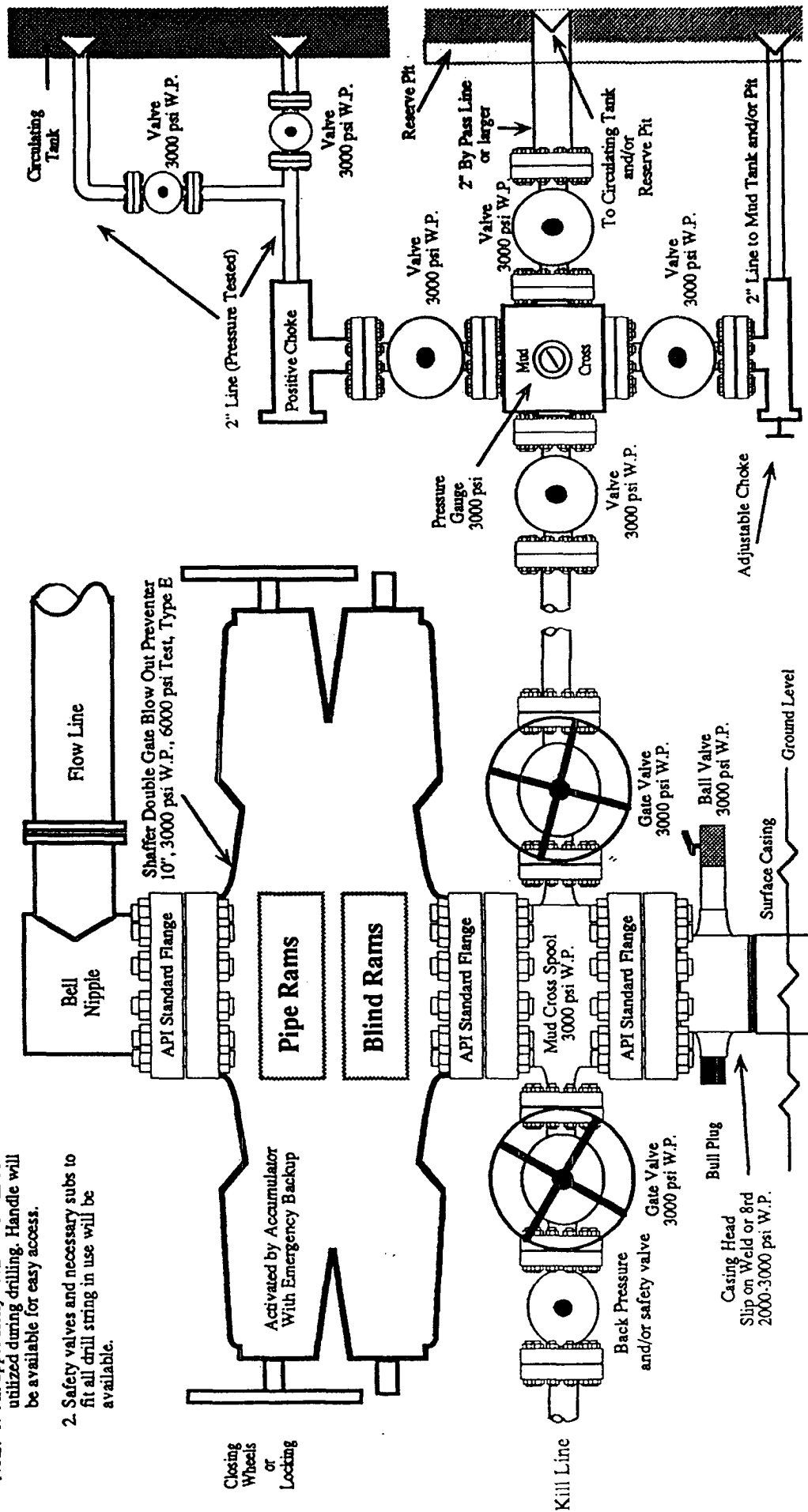
Production casing hole will be cleaned of rock chips by circulating $\geq 150\%$ of hole volume with mud. Forty barrels of fresh water will next be circulated. Lead with ≈ 410 cubic feet (≈ 200 sacks) of Class B with 2% metasilicate (yield = 2.06 cubic feet per sack, slurry weight = 12.5 pounds per gallon). Tail with ≈ 59 cubic feet (≈ 50 sacks) of Class B with 2% CaCl_2 (yield = 1.18 cubic feet per sack, slurry weight = 15.6 pounds per gallon). Total cement volume = 469 cubic feet @ 100% excess and circulating to the surface.

Production casing will have 4-1/2" cement guide shoe and self fill float collar. Float will be placed one joint above the shoe. Six or seven centralizers will be spaced on every other joint starting above the shoe. Six or seven turbolizers will be placed on every other joint starting from the top of the well.

2,000 PSI BOP SYSTEM

Note: 1. An upper Kelly cock valve will be utilized during drilling. Handle will be available for easy access.

2. Safety valves and necessary subs to fit all drill string in use will be available.



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.

Pogo Producing (San Juan) Company
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970' FSL & 1465' FEL
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5. MUD PROGRAM

Surface casing hole will be drilled with fresh water. Production casing hole will be drilled with a fresh water polymer mud. Weighting material will be drill solids or, if needed, barite. Maximum expected mud weight will be 8.5 pounds per gallon.

6. CORES, TESTS, & LOGS

No cores or drill stem tests are planned.

Spectral Density/Dual Spaced Neutron and Dual Induction/Guard with GR, SP, and Caliper and logs will be run from TD to at least the base of the surface casing.

7. DOWN HOLE CONDITIONS

No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum expected bottom hole pressure will be ≈ 920 psi.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take one week to drill the well and one week to complete the well.