

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

2006 JAN 18 PM 1 01

RECEIVED

070 BARNHART

5. Lease Serial No.
NMNM-094574

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.

N/A NMNM 095704

8. Lease Name and Well No.
LaPLATA 33 1 T

9. API Well No.
30-045- 33537

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T. R. M. or Blk. and Survey or Area

F 33-32N-13W NMPM

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
POGO PRODUCNG (SAN JUAN) COMPANY

3a. Address P. O. BOX 10340
MIDLAND, TX 79702-7340

3b. Phone No. (include area code)
(432) 685-8143

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 1804' FNL & 1837' FWL

At proposed prod. zone SAME

14. Distance in miles and direction from nearest town or post office*
4 AIR MILES NW OF LaPLATA POST OFFICE

12. County or Parish
SAN JUAN

13. State
NM

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) 803' (to CA line)

16. No. of acres in lease
400

17. Spacing Unit dedicated to this well

W2 320

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 3,192' (33 2 T)

19. Proposed Depth
2,300'

20. BLM/BIA Bond No. on file
BLM NM2125

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5,970' GL

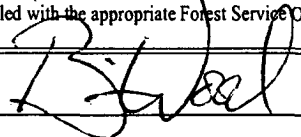
22. Approximate date work will start*
03/01/2006

23. Estimated duration
2 WEEKS

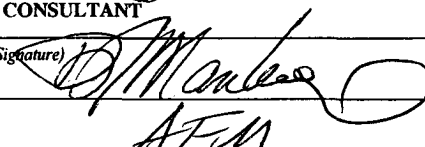
24. Attachments

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 01/13/2006

Title CONSULTANT PHONE: (505) 466-8120 FAX: (505) 466-9682

Approved by (Signature)  Name (Printed/Typed) AFM Date 3/30/06

Title Office FFO

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)



NMOC

STATE OF NEW MEXICO
Energy, Minerals & Mining Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C - 102

2005 JAN 18 PM 1:01 RECEIVED
SANTA FE, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

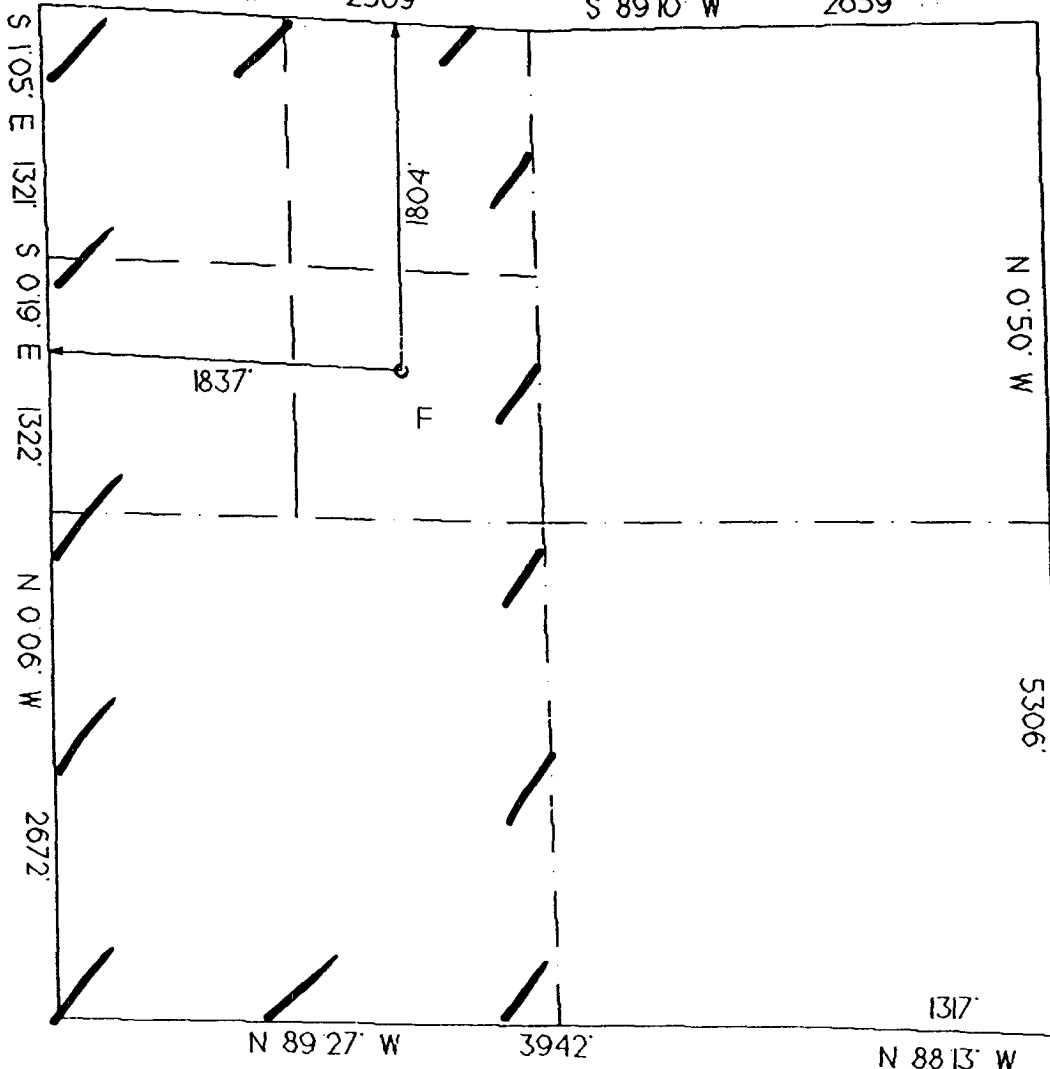
APA Number 30-045-33537	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 301367	Property Name LA PLATA 33	Well Number JT
OGRI No. 233194	Operator Name POGO PRODUCING (SAN JUAN) CO.	Elevation 5970'

Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County
F	33	32 N.	13 W.		1804'	NORTH	1837'	WEST	SAN JUAN

Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County

Dedication 320	Joint ?	Consolidation C	Order No.
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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 *Brian Wood*

Printed Name **BRIAN WOOD**

Title **CONSULTANT**

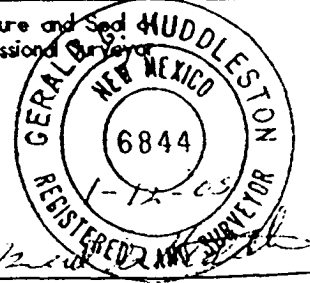
Date **JAN. 13, 2006**

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
rev: 2-24-03

Signature and Seal of Professional Surveyor



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

WELL API NO.	30-045- 33537
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	NMNM-094574
7. Lease Name or Unit Agreement Name	LaPLATA 33
8. Well Number	1 T
9. OGRID Number	149052
10. Pool name or Wildcat	BASIN FRUITLAND COAL

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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other
2. Name of Operator POGO PRODUCING (SAN JUAN) COMPANY
3. Address of Operator P.O. BOX 10340, MIDLAND, TX 79702-7340

4. Well Location
Unit Letter F : 1804 feet from the NORTH line and 1837 feet from the WEST line
Section 33 Township 32N Range 13W NMPM County SAN JUAN

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5,970' GL

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type DRILLING Depth to Groundwater >100' Distance from nearest fresh water well >1,000' Distance from nearest surface water ~300'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls Construction Material

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: DRILLING PIT ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

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 1-13-06

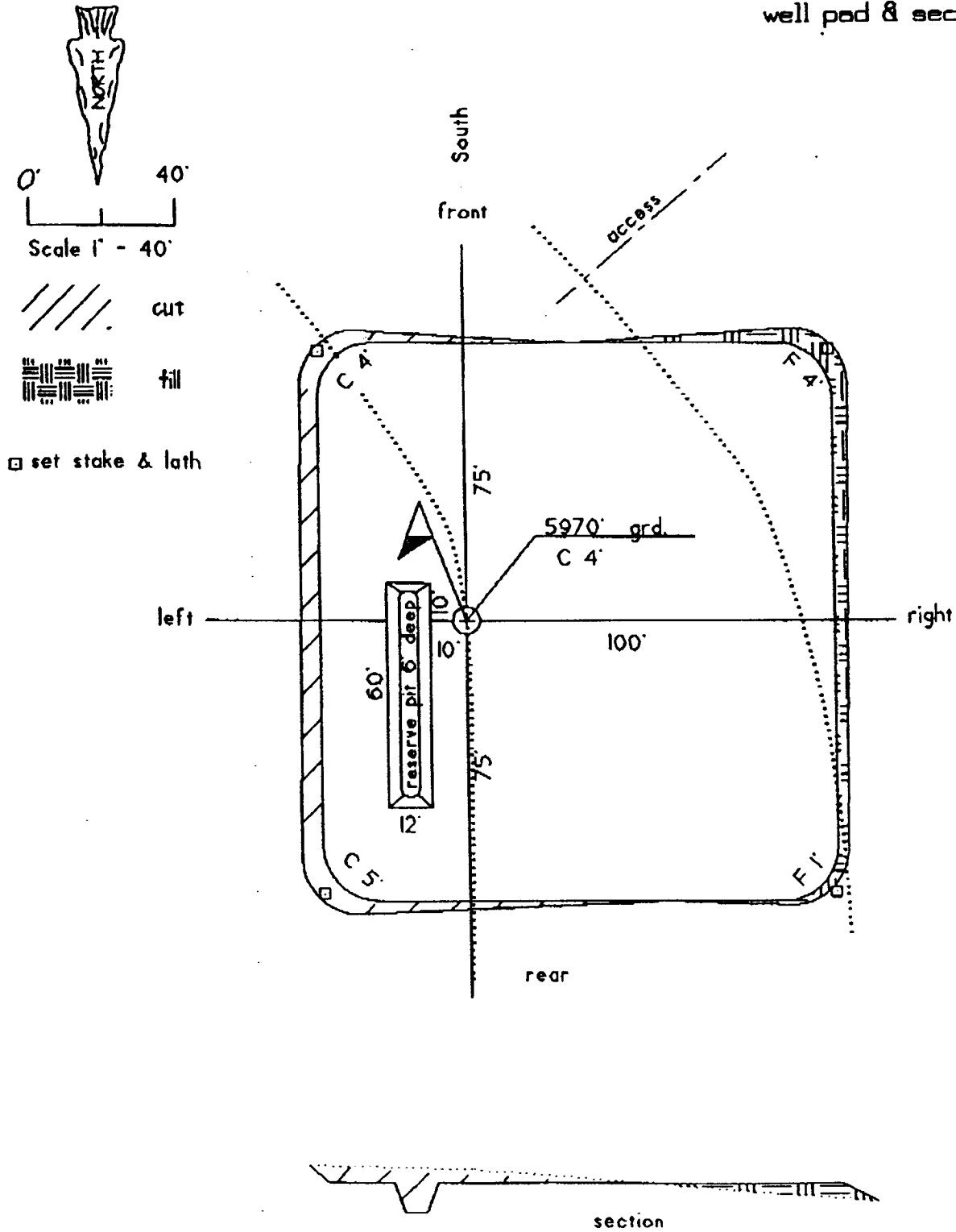
Type or print name BRIAN WOOD
For State Use Only

E-mail address: brian@permitswest.com Telephone No. (505) 466-8120

APPROVED BY: [Signature]
Conditions of Approval (if any):

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. III DATE APR 03 2006

LA PLATA 33 # 1 T
well pad & section



Pogo Producing (San Juan) Company
LaPlata 33 1 T
1804' FNL & 1837' FWL
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'	+5,970'
Kirtland Shale	1,170'	1,175'	+4,800'
Fruitland Coal	2,070'	2,075'	+3,900'
Pictured Cliffs Sandstone	2,270'	2,275'	+3,700'
Lewis Shale	2,295'	2,300'	+3,675'
Total Depth (TD)	2,300'	2,305'	+3,670'

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 1 T
1804' FNL & 1837' FWL
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'

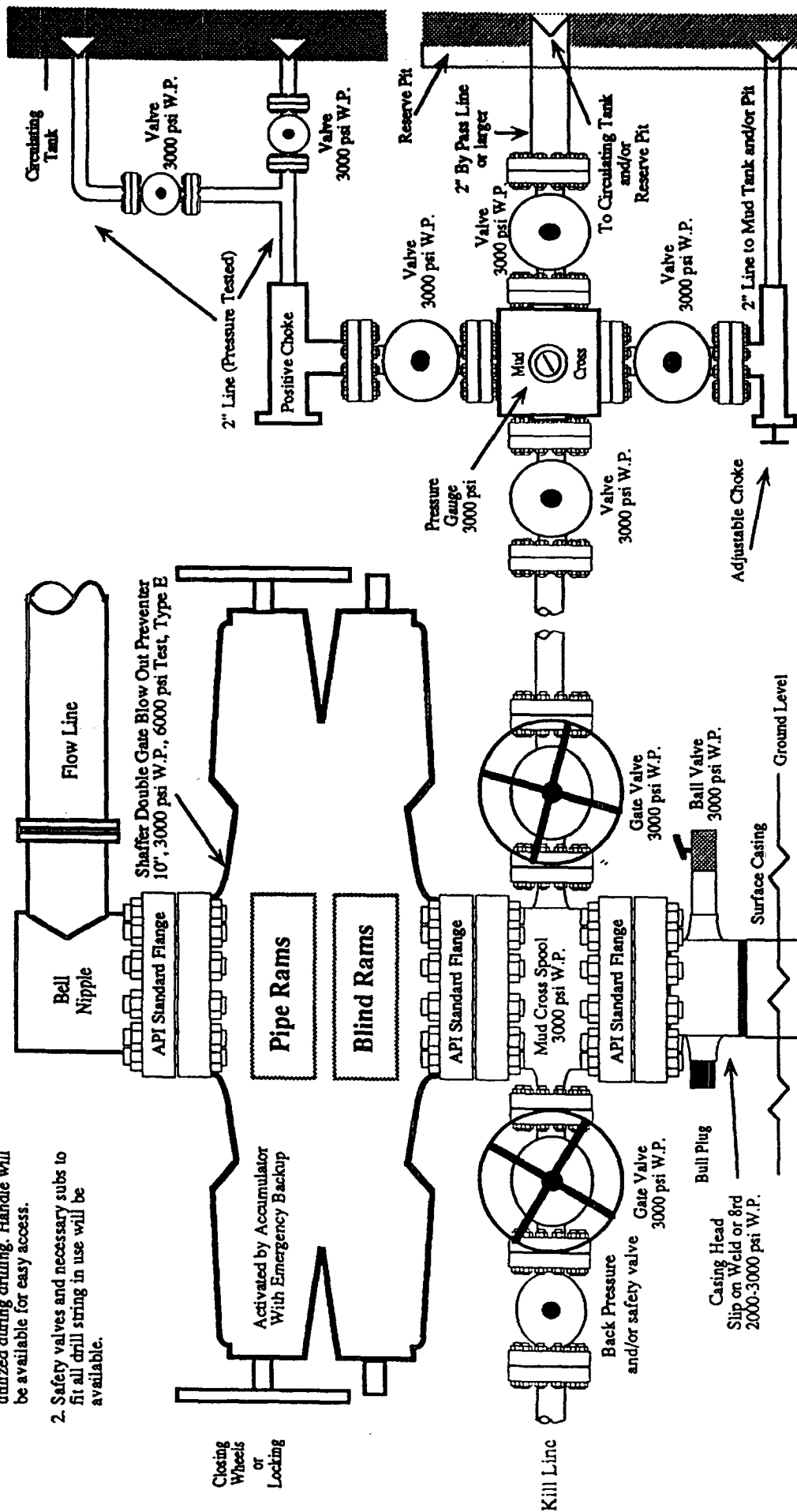
Surface casing will be cemented to surface with ≈ 59 cubic feet (≈ 50 sacks) Class B + 2% CaCl_2 . Volume is based on 100% excess, yield of 1.18 cubic feet per sack, and slurry weight of 15.6 pounds per gallon. W. O. C. = 12 hours. Pressure test surface casing to ≈ 600 psi for 30 minutes.

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
LaPlata 33 1 T
1804' FNL & 1837' FWL
Sec. 33, T. 32 N., R. 13 W.
San Juan County, New Mexico

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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.