

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB NO. 1004-0136
Expires: January 31, 2004

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMSF 078214 ST-075214
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Pogo Producing Company 17891		7. If Unit or CA Agreement, Name and No.
3a. Address 300 North Marienfeld, Suite 600 Midland, TX 79701		8. Lease Name and Well No. Tiger #11T 300785
3b. Phone No. (include area code) (432) 685-8143		9. API Well No. 30-045-33385
4. Location of well (Report location clearly and in accordance with any State requirements. *) At surface 1250' FNL, 1300' FWL Latitude 36° 47' 17" Longitude 108° 11' 48" At proposed prod. zone 1250' FNL, 1300' FWL Latitude 36° 47' 17" Longitude 108° 11' 48"		10. Field and Pool, or Exploratory Basin Fruitland Coal 71629
11. Sec., T., R., M., or Blk. And Survey or Area D, Sec 27, T-30-N, R-13-W		12. County or Parish San Juan County
13. State New Mexico		14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Within Farmington City limits up Glade Road. (See attached map)
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg unit line, if any) 1250'	16. No. of Acres in lease 2560	17. Spacing Unit dedicated to this well 320 W/2
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 530'	19. Proposed Depth 1855'	20. BLM/ BIA Bond No. on file NMB000019 NM 2125
21. Elevations (Show whether DF, RT, GR, etc.) 5675'	22. Approximate date work will start* 1-Dec-05	23. Estimated Duration 10 days

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. | 4. Bond to cover the operations unless covered by existing bond on file (see item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 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). | 6. Such other site specific information and/ or plans as may be required by the authorized officer. |

25. Signature <i>Rebecca L. Billings</i>	Name (Printed/ Typed) Rebecca L. Billings	Date 10/19/2005
Title Agent- Ellis & Associates		
Approved By (Signature) <i>Jim Gabb</i>	Name (Printed/ Typed) Jim Gabb	Date 12/14/05
Title Rebecca AFM	Office	

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 co 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 reverse)

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

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

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

PO Box 2088, Santa Fe, NM 87504-2088

RECEIVED
OIL CONSERVATION DIVISION

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045 33385	² Pool Code 71629 ✓	³ Pool Name BASIN FRUITLAND COAL ✓
⁴ Property Code 300785 ✓	⁵ Property Name TIGER ✓	⁶ Well Number 11T ✓
⁷ GRID No. 17891 ✓	⁸ Operator Name POGO PRODUCING COMPANY	⁹ Elevation 5675'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	30N	13W		1250	NORTH	1300	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320.0 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶

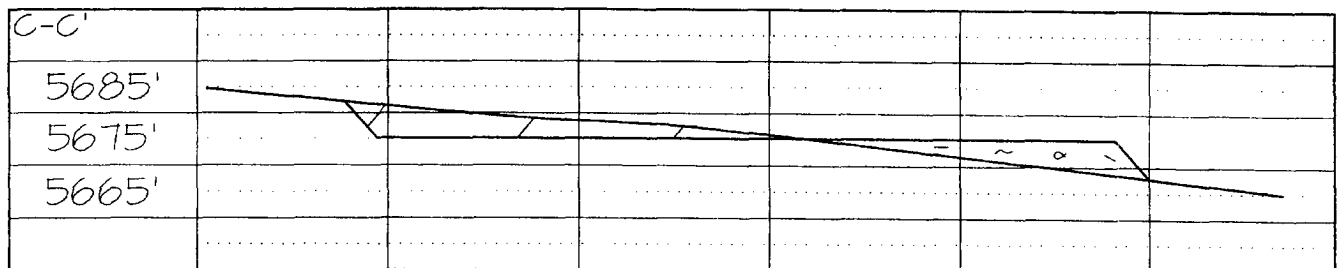
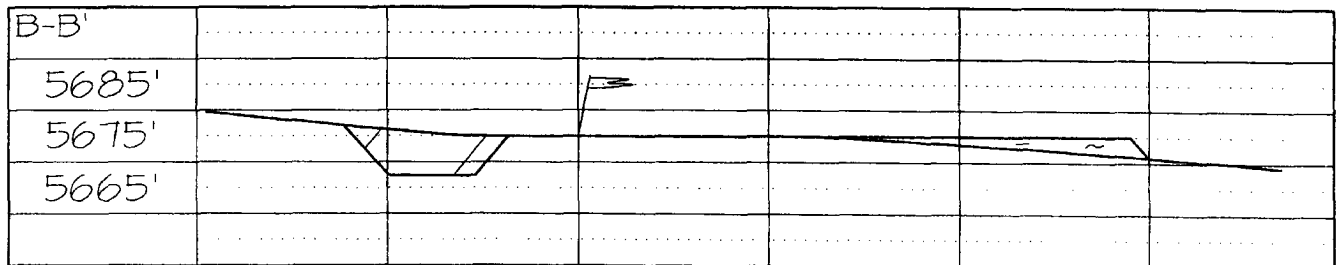
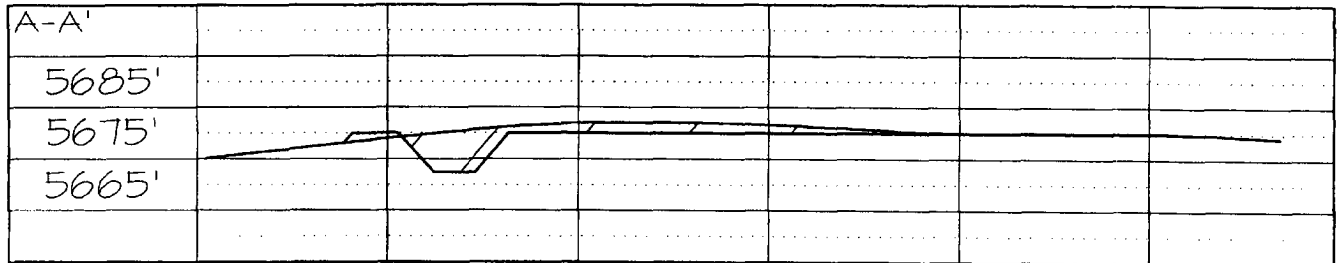
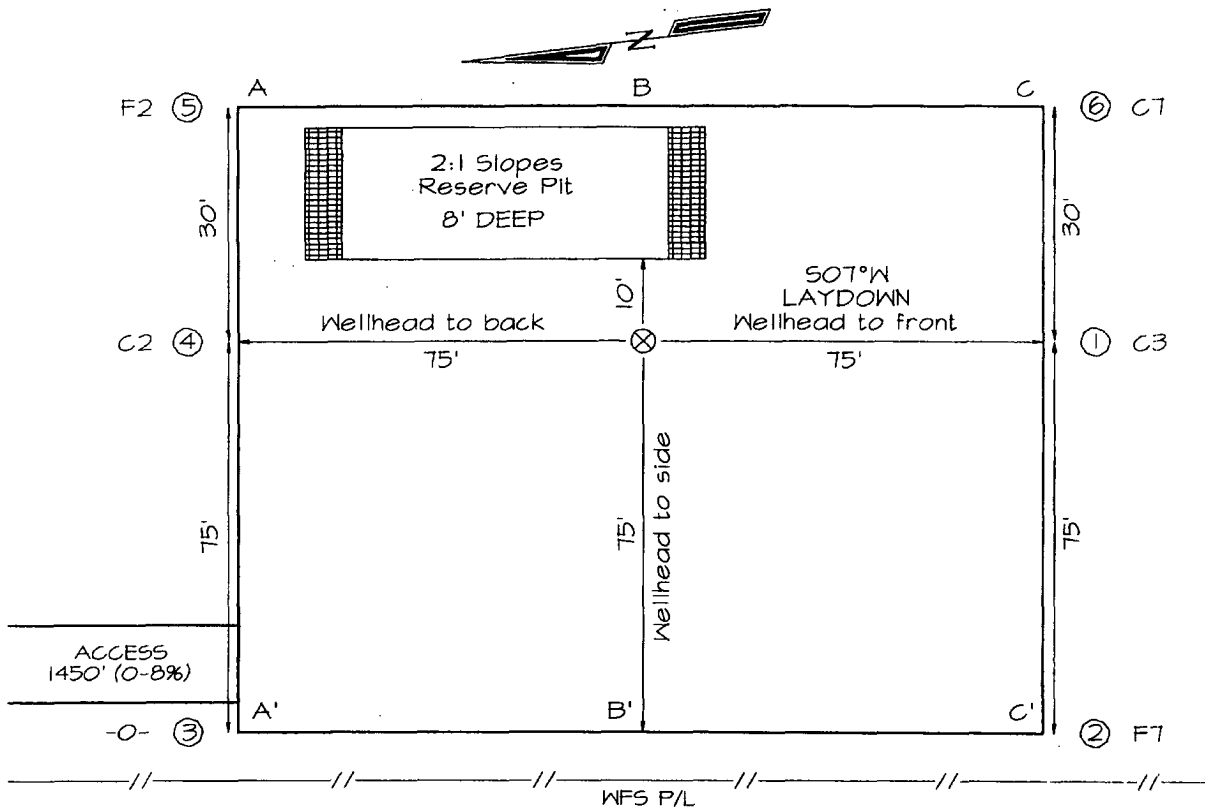
	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Bradley W. Salzman</i> Signature BRADLEY W. SALZMAN Printed Name AGENT/CONSULTANT Title 10-19-05 Date</p> <p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown 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. Survey Date: FEBRUARY 22, 2005 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269</p>
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POGO PRODUCING COMPANY TIGER #11T
1250' FNL & 1300' FWL, SECTION 27, T30N, R13W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5675'

LATITUDE: 36°47'17"
LONGITUDE: 108°11'48"
 DATUM: NAD1927

PLAT NOTE:

FEE SURFACE OWNER
 City of Albuquerque



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

Exhibit C
TEN-POINT PROGRAM/ OPERATIONS PLAN
POGO PRODUCING COMPANY

Well name: Tiger #11T
Location: 1250' FNL & 1300' FWL, D, Sec. 27, T-30-N, R-13-W
San Juan County, NM
Formation: Pictured Cliffs

1. The geological surface formation is: Fruitland Coal and Pictured Cliffs
2. The tops of important geological markers: (based on existing log information)

Ojo Alamo	Surface Formation
Top Kirtland	660'
Top Fruitland	1260'
Top Pictured Cliffs	1655'
Top Lewis Shale	1805'

3. Estimated depths of anticipated water, oil, gas, or minerals:

<u>Substance</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Gas	Pictured Cliffs	1855'

4. The Casing Program:

<u>Depth</u>	<u>Hole Size</u>	<u>Casing O.D.</u>	<u>Wt.</u>	<u>Grade</u>	<u>Type</u>	<u>New/Used</u>
0-650'	8 3/4"	7"	20#	J-55	ST&C	New
0-1855'	6 1/4"	4-1/2"	10.5#	J-55	ST&C	New

Proposed Cement Program: To effectively isolate and seal off all water, oil, gas and coal bearing strata encountered by the utilization of spacer, centralizers and swirling centralizers at the base of the Ojo Alamo formation as specified by NTL-FRA 90-1 III.B and API standards; and by using cement volumes as follows: (Exact volumes to be determined from logs):

Surface: 196 Cu Ft(166Sx) Class B w/ 0.25# Flocele/ Sx w/5#/Sk Gilsonite plus 2% CaCl (100% Excess). *Circulate cement*

Production: 85 Cubic Feet (42 Sacks Lite Standard Cement w/ 2% Metasilicate + 0.25 pps Flocele mixed to 12.4 ppg followed by 162 Cubic Feet (134 Sacks) Standard w/ 0.6% Halad-322 mixed to 15.6 ppg w/ caliper plus 25% excess in both slurries. Grand Totals: 247 Cubic Feet (176 Sacks). *TOC to be higher than 650' from Syllce;*

5. Operators Minimum Specifications for pressure control:

Exhibit E is a schematic of the blowout preventer used by a local contractor for other wells in the area.

The BOP to be used is an annular BOP with screwed connections with high-pressure inlet and outlet hoses, all tested to 2000 psi minimum.

Exhibit C
TEN-POINT PROGRAM
POGO PRODUCING COMPANY

Well name: Tiger #11T
Location: 1250' FNL & 1300' FWL, D, Sec. 27, T-30-N, R-13-W
San Juan County, NM
Formation: Pictured Cliffs

6. The type and characteristic of the proposed circulating muds:

Surface Casing: Spud flocculating bentonite with lime.

Production Casing: Low solids non- disbursing system.

<u>Interval</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Ph</u>	<u>Additives</u>
0-650'	9.0	45	----	9	Gel, Lime
650'-TD	8.6 - 9.2	30-50	<15cc	9	Chemicals needed

7. Auxiliary Equipment to be used is as follows:

- a. Float valve above bit.
- b. Monitoring of mud system will be visual.
- c. A safety valve and subs to fit all drill strings will be used.

8. Testing, logging and coring will be as follows:

- a. Cores: None
- b. Drill stem tests: none anticipated.
- c. Logs will include: High Resolution Induction w/ Gamma Ray, SP, Caliper, Microlog, Spectral Density and Dual Spaced Neutron; all from Total depth to the surface casing shoe.

9. Anticipated Abnormal Pressures and temperatures:

No abnormal pressures, temperatures, or Hydrogen Sulfide gases are anticipated during the completion of this well.

10. Anticipated starting date and duration of operations:

The anticipated starting date is December 15, 2005. The drilling operations should be completed within 15 days after rig-up date. Completion will be done as equipment availability and weather permit.

Date: 10-19-05

Drilling Engineer: Bradley K. Salzman

BLOW OUT PREVENTER (B.O.P.)

