

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

5. Lease Serial No.

RECEIVED

SF-078213

6. Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.

Tiger #16T

9. API Well No.

30-045-33647

10. Field and Pool, or Exploratory

Basin Fruitland Coal

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

C, Sec 35, T-30-N, R13W

12. County or Parish

San Juan

13. State

New Mexico

1a. Type of Work ☒ DRILL ☐ REENTER

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

2. Name of Operator

Pogo Producing

3a. 300 N. Marienfeld, Suite 600

3b. Phone No. (include area code)

Midland, TX 79701

(432) 685-8143

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

At surface

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Pinon Hills Blvd turn south on Daybreak Ave. 1/8th mile, turn left go to fence. Drive North. Location on San Juan College property

15. Distance from proposed*

location to nearest
property or lease line, ft.

(Also to nearest drlg unit line, if any)

90'

16. No. of Acres in lease

2560

17. Spacing Unit dedicated to this well

N2/ 320 Acres

18. Distance from proposed location*

to nearest well, drilling, completed,
applied for, on this lease, ft.

210'

19. Proposed Depth

1830'

20. BLM/ BIA Bond No. on file

NM 2125

21. Elevations (Show whether DF, RT, GR, etc.)

5725' 5694'

22. Approximate date work will start*

1-Apr-06

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.

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 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 a
authorized officer.

25. Signature

Bradley W. Salzman

Name (Printed/ Typed)

BRADLEY W. SALZMAN

Date

2-22-06

Title

CONSULTANT

Approved By (Signature)

AFM

Name (Printed/ Typed)

FEO

Date

9/27/06

Title

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)

An application for pit permit shall be filed prior to starting construction

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
N.M. STATE DEPARTMENT

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

NMOC

16

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 30-045-33647	Pool Code 91629	Pool Name Basin Fruitland Coal
Property Code 300785	Property Name TIGER	Well Number 16 T
OGRD No. 17841	Operator Name POGO PRODUCING CO.	Elevation 5694'

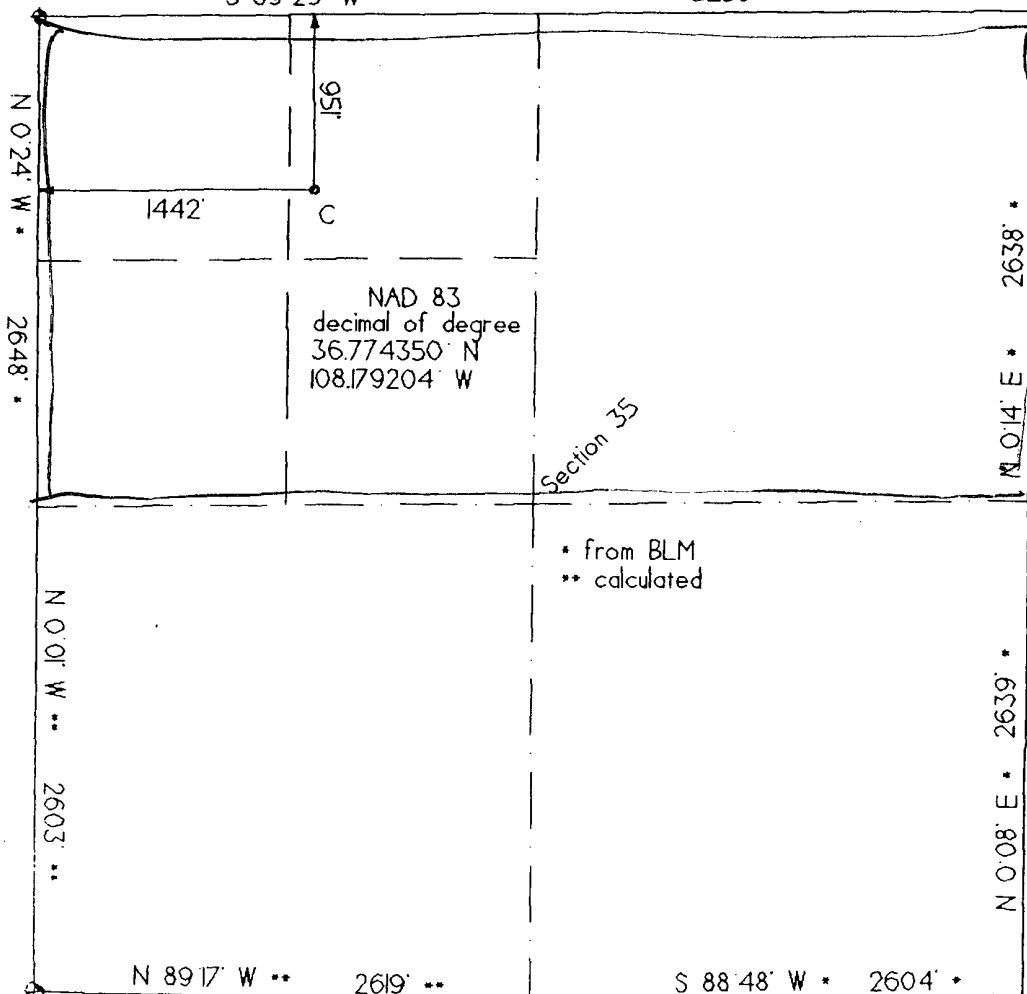
Surface Location									
UL or Lot C	Sec. 35	Twp. 30 N.	Rge. 13 W.	Lot km.	Feet from > 951'	North/South NORTH	Feet from > 1442'	East/West WEST	County SAN JUAN

Bottom Hole Location If Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot km.	Feet from >	North/South	Feet from >	East/West	County
Dedication: N/A	Joint ?	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

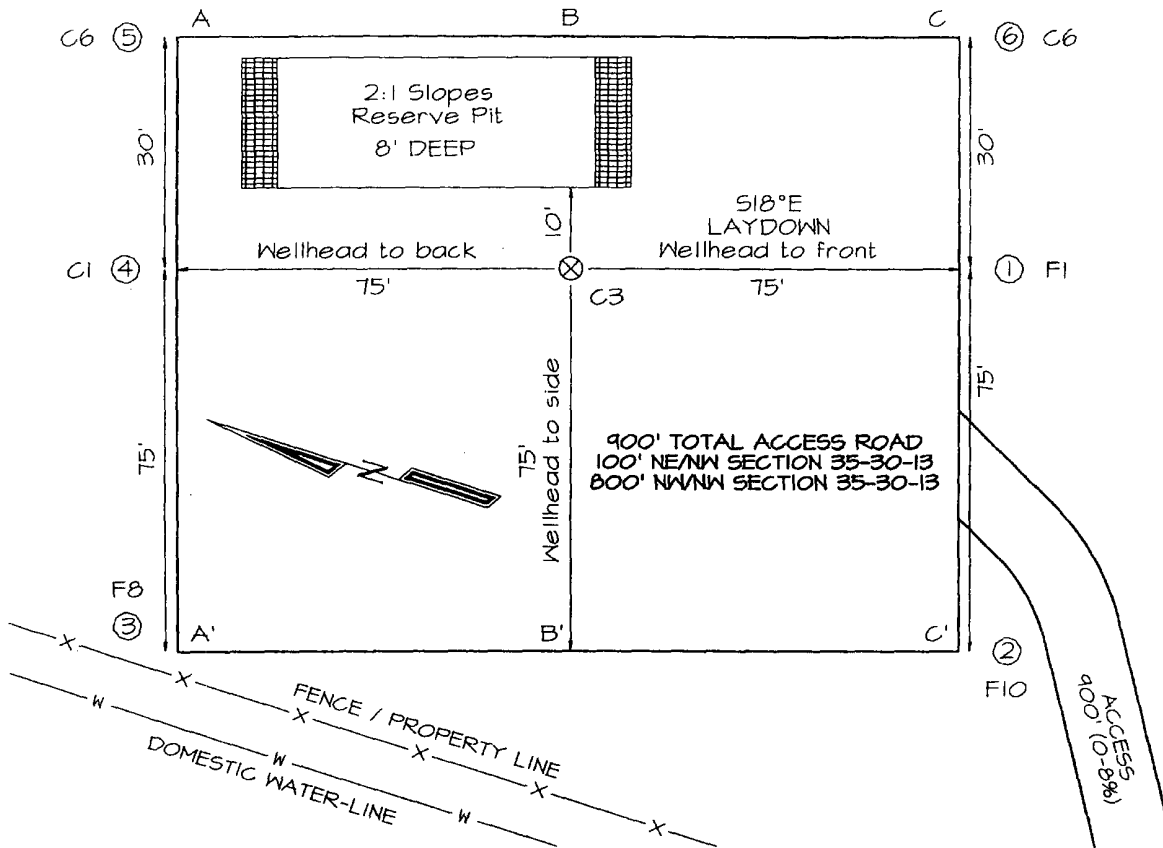
S 89° 29' W *

5258' *



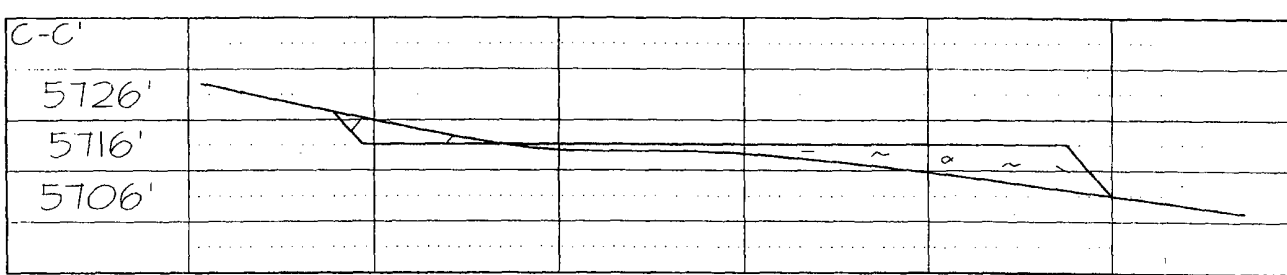
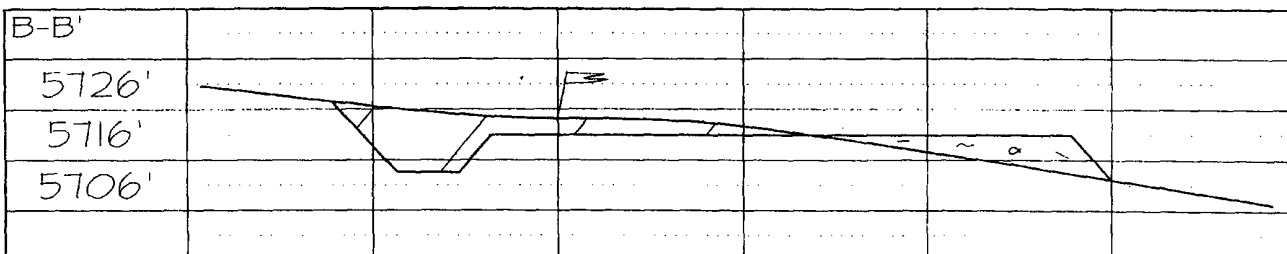
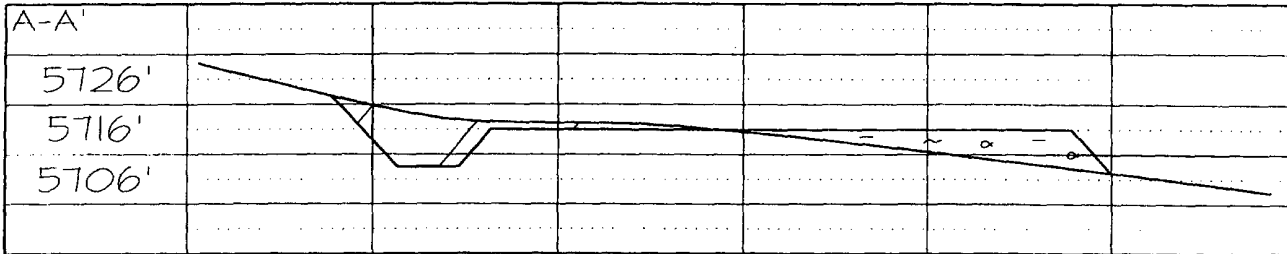
OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>Bradley N. Solomon</i>
Printed Name	BRADLEY N. SOLZMAN
Title	AGENT
Date	8-21-06
SURVEYOR CERTIFICATION I hereby certify that the well location on this 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	
04/03/06	
Signature and Seal of Professional Surveyor	

POGO PRODUCING COMPANY TIGER #16T
660' FNL & 1410' FWL, SECTION 35, T30N, R13W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5719'



PLAT NOTE:
 SURFACE OWNER
 San Juan College

LATITUDE: 36°46'31"
LONGITUDE: 108°10'43"
 DATUM: NAD1927



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

TEN-POINT PROGRAM/ OPERATIONS PLAN POGO PRODUCING COMPANY

Well name: Tiger #16T
Location: 660' FNL & 1410' FWL, C-Sec. 35, T-30-N, R-13-W, NMPM
 San Juan County, NM
Formation: Basin Fruitland Coal

1. The geological surface formation is: Ojo Alamo
2. The tops of important geological markers: (based on existing log information)

Top Ojo Alamo	Surface Formation
Top Kirtland	340' (+5385)
Top Fruitland	1240' (+4485')
Top Pictured Cliffs	1680' (+4045')
Top Lewis Shale	1780' (+3945')

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

Substance	Formation	Anticipated Depth
Water		200'
Gas	Fruitland Coal	1660 +/-

4. The Casing Program:

Depth	Hole Size	Casing O.D.	Wt.	Grade	Type	New/Used
0-300' <i>423</i>	8 3/4"	7"	20#	J-55	ST&C	New
0-1830'	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 and 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: Type 5 w-025 pps celloflake and 2 % CaCl *Circulate cement*
 Final volumes will be calculated using 100% excess → *minimum cement volume must be 130 ft³*

Production: Type 5 with 2% metasilicate and 0.25 pps celloflake @ 12.5 ppg lead. Type 5 with 0.25 pps celloflake and 2% CaCl @ 15.6 ppg tail. Final volumes will be *Circulate cement* determined using 35% excess and tail will provide 500' cover over basal coal.
 → *minimum cement volume must be 250 ft³*

5. Operators Minimum Specifications for pressure control:

Expected bottom hole pressure 250 psi or less.

Attached is a schematic of the blowout preventer commonly in Fruitland Coal development. The BOP will be a double ram type with flanged connections. The BOP will be tested to a minimum of 750 psi.

C. HARRADEN/ March 15, 2006 *CH*

POGO PRODUCING (SJ) CO./ Tiger #16T APD

STIPULATION/CONDITION OF APPROVAL

This well is located in a growing area where home development is occurring and water wells are being drilled into the Ojo Alamo aquifer. In order to protect the integrity of the Ojo Alamo fresh water aquifer, a minimum surface csg. depth of 423' is stipulated as a condition of approval for this APD.

6. The type and characteristics of the program

Surface Casing: Spud flocculating bentonite with lime.

Production Casing: Low solids non- disbursing system.

Interval	Mud Weight	Viscosity	Fluid Loss	Ph	Additives
0-390' <i>423</i>	9.0	45	-----	9	Gel, Lime
390'-TD	8.6 - 9.2	30-50	<15cc	9	Additives as needed to Maintain viscosity

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 Microlog; all from Total depth to the surface casing shoe.

9. Anticipated Abnormal Pressures and temperatures:

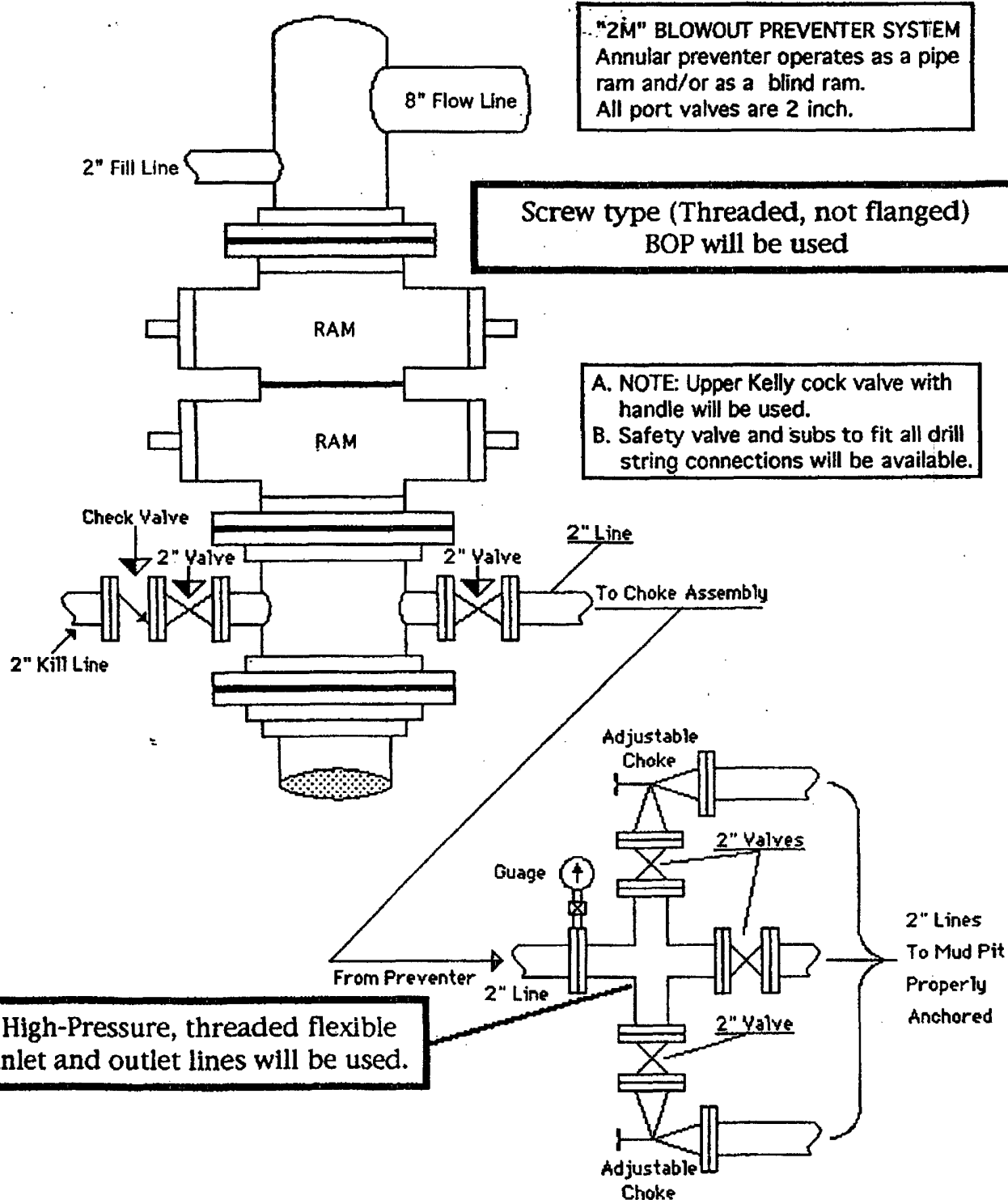
No abnormal pressures, temperatures, or Hydrogen Sulfide gases are anticipated during the completion of this well.

10. Anticipated starting date and duration of operations:

The anticipated starting date is April 1, 2006. The drilling operations should be completed within 10 days after rig-up date. Completion will be done as equipment availability and weather permit.

Date: 2-22-06 Drilling Engineer: *B. H. Salzman*

"2M" BLOWOUT PREVENTER SYSTEM



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF-078213
2. Name of Operator Pogo Producing Company		6. If Indian, Allottee, or Tribe Name
3a. Address 300 North Marienfeld, Suite 600 Midland, TX 79701	3b. Phone No. (include area code) (432) 685-8143	7. If Unit or CA. Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) C, Sec. 35, T-30-N, R-13-W 951' FNL & 1442' FWL		8. Well Name and No. Tiger #16T
		9. API Well No. 30045 33647
		10. Field and Pool, or Exploratory Area Basin Fruitland Coal
		11. County or Parish, State San Juan County

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Pogo Producing Company has changed the location and the pipeline route of the Tiger #16T to accommodate the adjacent landowners request.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

BRADLEY W. SOLZMAN

Title

AGENT

Signature

Bradley W. Solzman

Date

8-21-06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any are attached. Approval of this notice 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.

Title

Office

AF-14

FFO

Date

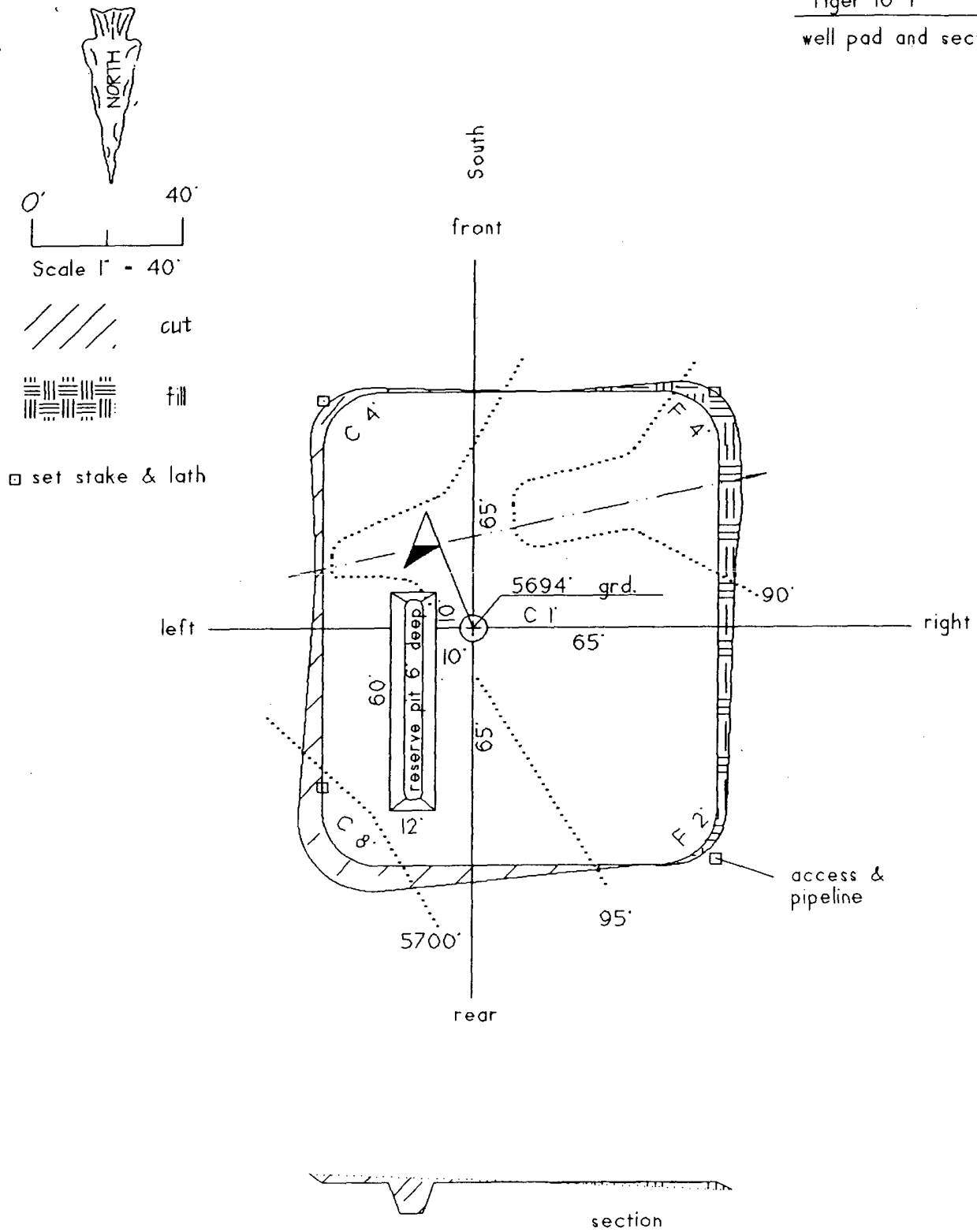
9/27/06

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(Instructions on reverse)

MINOCO

Tiger 16 T
well pad and section



**TEN-POINT PROGRAM
POGO PRODUCING COMPANY**

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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 October 1, 2006. The drilling operations should be completed within 10 days after rig-up date. Completion will be done as equipment availability and weather permit.

Date: 8-21-06 Drilling Engineer: Bradley W. Falyman