

New Mexico Oil Conservation Division, District I  
1625 N. French Drive  
Hobbs, NM 88240

Form 3160-5  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **POGO PRODUCING COMPANY**

3a. Address  
**PO BOX 10340, MIDLAND, TEXAS 79702**

3b. Phone No. (include area code)  
**432 570-5382**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660' FNL & 1980' FEL, SECTION 11, T19S, R33E**

5. Lease Serial No.  
**NM - 32860**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**BUFFALO FEDERAL # 1**

9. API Well No.  
**30-025-30118**

10. Field and Pool, or Exploratory Area  
**LONE RANGER GRAYBURG**

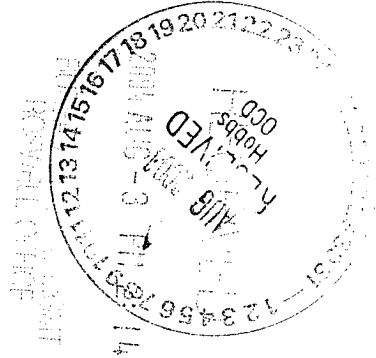
11. County or Parish, State  
**LEA COUNTY, NM**

**12. CHECK APPROPRIATE BOX(ES) 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"/> Alter 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 type="checkbox"/> Change Plans	<input checked="" 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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SEE ATTACHMENTS



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Charles Gibson**

Title **District Manager**

Signature

*Charles Gibson*

Date

**08/03/2004**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by **(ORIG. SGD.) DAVID R. GLASS**

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

Date

**AUG 03 2004**

Office

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 or cause to be made any statement or representation as to any matter within its jurisdiction of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

GWW

## PROPOSED PLUGGING PROCEDURE FOR POGO PRODUCING COMPANY

### WELL: BUFFALO FEDERAL #1 LEA COUNTY, NEW MEXICO



1. MIRU.
2. POH W/ 143 SUCKER RODS.
3. LOAD WELL W/ FSW.
4. REMOVE TREE SET BOP.
5. RELEASE TAC SET @ 4638'.
6. POH W/ TBG AND LAY DOWN TAC.
7. RIH W/ TBG.
8. RIH W/ ADDITIONAL TBG TO 5190'.
9. TAG AND VERIFY CIBP @ 5190'.
10. CIRCULATE WELLBORE W/9.5 PPG MUD LADEN FLUID.
11. SET 10 SX CMT PLUG FROM 5090' - 5190'.
12. PULL TBG UP TO 4850'.
13. SET 25 SX CMT PLUG FROM 4768' - 4948'.
14. PULL TBG UP OUT OF CMT. REVERSE OUT. WOC.
15. LOWER TBG TO TOP OF CMT, TAG AND RECORD.
16. PULL TBG UP TO 2600'.
17. SET 30 SX CMT PLUG FROM 2500' - 2600', (CSG CUT @ 2545').
18. PULL TBG UP TO 2000'.
19. SET 60 SX CMT PLUG FROM 1850' - 2000', (TOP OF SALT SECTION).
20. PULL TBG UP OUT OF CMT. REVERSE OUT. WOC.
21. LOWER TBG TO TOP OF CMT, TAG AND RECORD.
22. PULL TBG UP TO 575'.
23. SET 45 SX CMT PLUG FROM 475' - 575'.
24. PULL TBG UP OUT OF CMT. REVERSE OUT. WOC.
25. LOWER TBG TO TOP OF CMT, TAG AND RECORD.
26. PULL TBG UP TO BASE OF WATER ZONE.
27. SET 45 SX CMT PLUG TO PROTECT WATER ZONE. \*
28. PULL TBG UP TO 60'.
29. SET 25 SX CMT FROM SURFACE TO 60'.
30. LAY DOWN TBG.
31. CUT WELL HEAD AND SET DRYHOLE MARKER.
32. RIG DOWN. MOVE OFF LOCATION.

\* EXACT DEPTH OF PLUG TO BE DETERMINED BY OCD.



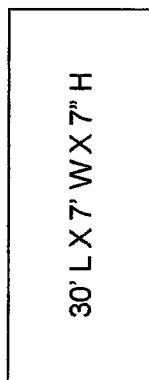
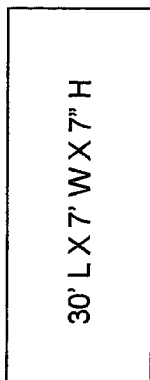
OPERATOR: POGO PRODUCING COMPANY  
WELL NAME & NUMBER: MARRA #1  
COUNTY: EDDY

Anchors  
○

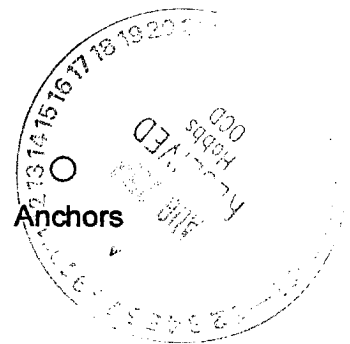
Anchors  
○

⊗  
Wellhead

○  
Anchors

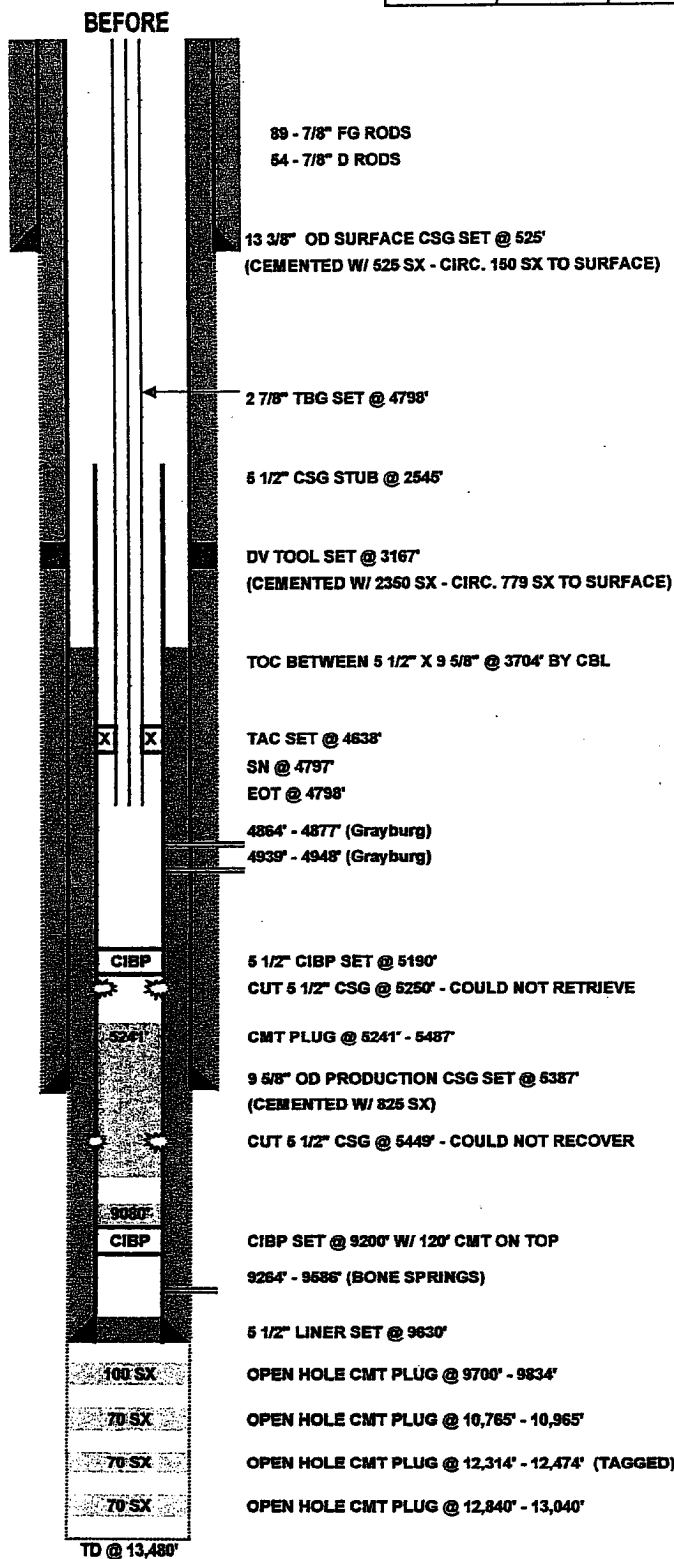


2 Above Ground Open Top Steel Tanks  
(To Be Located at least 100 feet from wellhead)



COMPANY: Pogo Producing Company  
WELL NAME: Buffalo Federal  
WELL #: 1  
COUNTY: Lea

SURFACE CASING			
OD	WT / FT	GRADE	SET AT
13 3/8"			525'
PRODUCTION CASING			
OD	WT / FT	GRADE	SET AT
9 5/8"	40		5387'
LINER			
OD	WT / FT	GRADE	SET AT
5 1/2"	17	N-80	2545' - 9630'
TUBING			
OD	WT / FT	GRADE	SET AT
2 7/8"			4798'



PLUG # (7) 0' - 60'

PLUG # (6) TBD  
TBD BY OCD - H20 PLUG

PLUG # (5) 475' - 575'  
(TAG PLUG)

PLUG # (4) 1850' - 2000'  
(SALT FM)  
(TAG PLUG)

PLUG # (3) 2500' - 2600'

PLUG # (2) 4768' - 4948'  
(TAG PLUG)

PLUG # (1) 5090' - 5190'  
(TAG CIBP)

PLUG # (1) 9300' - 9556'

