Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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

RECEIVED
JAN 21 2004
OCD-ARTESIA

5. Lease Serial No. NM-19199
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No. Cal-Mon #2

2. Name of Operator
Pogo Producing Company

9. API Well No. 30-015-25176

3a. Address
PO Box 10340 Midland, Texas 79702

3b. Phone No. *(include area code)*
915-570-5382

10. Field and Pool, or Exploratory Area
Sand Dunes

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1980' FNL & 1980' FWL Section 35, T-23-S, R-31-E Eddy Co, NM

11. County or Parish, State
Eddy, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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 attached procedure approved by the Oil Conservation Division

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* H. Boatright — Title Agent

Signature — Date 12-13-03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA — Title PETROLEUM ENGINEER — JAN 20 2004

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. — 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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PLUGGING AND ABANDONMENT PROCEDURES
Pogo Producing Company
Cal-Mon Well No. 2
Eddy County, New Mexico

WELL BORE

20" @ 599' TOC @ surf
13-3/8" @ 4441' TOC @ surf
9-5/8" @ 11,862' (43.5#-47# & 53#-59.5#) TOC – 6300' CBL
Average weight is approximately 47.8#/ft. for the over-all string
2-7/8" tubing is in well w/ TAC at approximately 7611' and stuck.
Water flow up the 9 5/8" and 13 3/8" annulus

Note: Well will have high H_2S concentration, 300/400ppm. Must use BOP.

P & A Procedure

1. Move in and rig up plugging equipment. Dig and line a very large work pit outside of the guy lines.
2. Nipple down wellhead to the 2-7/8" tubing and nipple up BOP. Rig up H_2S monitoring equipment with three (3) monitors; one on rig floor, one on tubing board, and one outside guy lines. Make sure pressure is bled off on tubing, 9-5/8" and 13-3/8".
3. Rig up hot oil unit and hot water tubing.
4. Take stretch on tubing and find free point. Call the WPI office on free point.
5. Cut the tubing at free point (approximately 7600').
6. POOH w/ tubing. Observe the tubing condition.
7. RIH with 9 5/8" packer; set packer at 7000'; establish injection rate.
8. Release packer; POOH w/ tubing and packer.
9. RIH with cement retainer on 2 7/8" tubing; set cement retainer at 100' above the tubing stub.
10. Establish injection rate; squeeze 350 sacks under cement retainer which is the casing volume from cement retainer to the bottom of perforation at 8170'; displace tubing volume plus 5 bbls.
11. Sting out of cement retainer and reverse two (2) times the 2 7/8" tubing capacity; SWI; WOC overnight.
12. Sting into cement retainer and pressure test squeeze to 1000 psi
13. If squeeze test is okay, sting out of cement retainer and cap cement retainer with 35 sacks of cement.
14. POOH with tubing and stinger.
15. Nipple down wellhead to the 9 5/8" casing.
16. Weld on a heavy 9 5/8" pull sub that is 14' long.
17. Rig up casing jack.
18. Remove the 9 5/8" casing slips.
19. Stretch casing and find free point. **NOTE: Free point must be deeper than 4500'. Call WPI office.**
20. Cut casing at free point.

21. With the casing jack, POOH w/ casing until the rig can handle the weight (185,000#). Release casing jack.
22. POOH with the remainder of casing.
23. RIH with tubing to casing stub; spot 75 sacks of cement 50' in and out of sub.
24. PUH; WOC
25. Tag top of plug 50' above casing stub.
26. RIH with a 13 3/8" packer; set packer at 4350'. **NOTE: Observe tubing and see if water flow comes up tubing or the 13 3/8" X 2 7/8" annulus.**
    *a. If water flow is up the 2 7/8" tubing, establish injection rate; release packer and POOH.
    *b. RIH with 13 3/8" cement retainer on wireline to 4400'; establish injection rate and squeeze 250 sacks below cement retainer; displace with tubing volume plus 10 bbl; sting out of retainer; reverse two (2) times the tubing volume; SWI; WOC one night.
    *c. Sting into retainer and pressure test squeeze to 1000 psi; sting out of retainer; cap retainer with 50 sacks of cement.
    *d. **NOTE: If water flow is above the 13 3/8" casing shoe, RIH with open-ended tubing to 4500'; spot 85 sack; PUH; WOC: tag top of plug at 4000'.**
27. POOH and run in hole with packer; find where flow is coming from..
28. RIH with cement retainer and the proper depth; squeeze under cement retainer with a sufficient amount of cement and squeeze pressure to stop water flow. **NOTE: after squeeze job; sting out of cement retainer and reverse two (2) times the tubing volume.**
29. Sting into cement retainer; check to see that water flow has stopped.
30. When water flow is stopped, rig up reverse unit; drill out cement retainer and cement.
31. RIH with 2 7/8" tubing and a 4' perforated sub bull plugged with end of tubing at 4250'
32. Spot a 3246' plug back to 1010'. **NOTE:** We will work in 13-3/8" casing (68# and 72#), using a total of 2,100 sx. of Class C. We will pump this plug in 5- 420 sx. stages. We will pump a stage, PUH and WOC. Tag top of cement and pump the next stage until plug is complete. Then PUH and WOC.
33. Tag top of plug at 1010'.
34. PUH to 649' and spot a 60 sx. plug. POOH and WOC.
35. Tag top of plug at 549'.
36. POOH and cut off wellhead. Spot a 60 sx. surface plug. SWI and WOC overnight.
37. Observe plug. Cement must remain at surface.
38. Install P&A marker.
39. Rig down and move.