

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <u>Re-entry</u>	5. Lease Designation and Serial No. NM-32860
2. Name of Operator POGO PRODUCING COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. BOX 10340. MIDLAND, TEXAS 79702	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <u>B-10000</u> 660' FROM NORTH LINE AND 1980' FROM EAST LINE OF SECTION 11, T.19 S., R.33 E., NMMP	8. Well Name and No. BUFFALO FEDERAL NO. 1
	9. API Well No. 30-025-30118
	10. Field and Pool, or Exploratory Area WILDCAT - <u>Grayburg</u>
	11. County or Parish, State LEA COUNTY, NEW MEXICO

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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>TO RE-ENTER A PLUGGED AND ABANDONED WELL</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PROPOSAL IS TO RE-ENTER THE BUFFALO FEDERAL WELL NO. 1, A PLUGGED AND ABANDONED WELL ORIGINALLY DRILLED BY SUN EXPLORATION AND PRODUCTION COMPANY AS WELL NO. 1 BUFFALO FEDERAL. THE WELL WAS ORIGINALLY SPUDDED 10-31-87 AND WAS PLUGGED AND ABANDONED 7-14-88.

PLANS ARE TO DRILL OUT PLUGS AND CLEAN OUT TO A DEPTH OF 5250'. CUT 5-1/2" CASING STUB AT 5250' AND PULL. CLEAN OUT 9-5/8" CASING TO 5250' AND SET 9-5/8" CIBP ABOVE 5-1/2" CASING CUT. PERFORATE AND TEST THE GRAYBURG FORMATION INTERVAL 4864-4876 FEET.

MORE DETAILED INFORMATION ON THE PROPOSED WORK IS FURNISHED SEPARATELY.

A SURFACE USE PLAN IS ATTACHED.

14. I hereby certify that the foregoing is true and correct		
Signed <u>Richard L. Wright</u>	Title <u>Division Operations Supt.</u>	Date <u>May 22, 1992</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date <u>6-1-92</u>
Conditions of approval, if any:		

RECEIVED  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐ RE-ENTER ☐ DEEPEN ☒ PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Pogo Producing Company

3. ADDRESS OF OPERATOR

P.O. Box 10340, Midland, Texas 79702-7340 (915)682-6822

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FNL & 1980' FEL, Section 11, T-19-S, R-33-E

At proposed prod. zone same

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

30 Miles West of Hobbs, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

560

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40 acres

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

PBTD 5100 ±

20. ROTARY OR CABLE TOOLS

N/A

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

3729.5 G.R.

Cochon Controlled Water Basin

22. APPROX. DATE WORK WILL START\*

06-01-92

23. EXISTING ~~XXXXXX~~ CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
* 17-1/2"	13-3/8"	54.5#	525'	525 sx - circ 150 sx
12-1/4"	8-5/8"	40#	5387'	3400 sx - circ 779 sx
7-7/8"	5-1/2"	17# & 20#	13700'	1075 sx - TOC 6500' T.S.

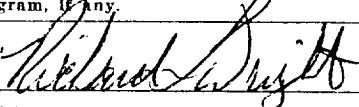
\* These strings of casing were set and cemented by Sun Exploration.

Pogo Producing Company respectfully requests your approval to re-enter the Sun Exploration operated Buffalo Federal #1 well. The previously arch cleared entrance road and location will be restored, a small working pit will be dug in the old reserve pit area, the dry hole marker will be removed and a 9-5/8" X 11" 3M SOW head will be installed. A well servicing unit with reverse package will be contracted to do the re-entry. A Hydraulic doubleRam BOP with 3M rating will be used. This re-entry is a Grayburg test with two (2) sets of perforations (4939'-48') & (4864'-76'). Attached for your convenience is a well bore schematic and procedure. Also attached please find a copy of the original C-102 and a revised C-102.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

Division Operations Supt.

DATE

May 8, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator Pogo Producing Company			Lease Buffalo Federal		Well No. 1
Unit Letter B	Section 11	Township 19 South	Range 33 East	County NMPM	Lea
Actual Footage Location of Well: 660' feet from the North line and 1980' feet from the East line					
Ground level Elev. 3729.5'	Producing Formation Grayburg		Pool Grayburg - Wildcat	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					
				<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.	
				Signature <i>Richard L. Wright</i>	
				Printed Name Richard L. Wright	
				Position Di. Oper Supt.	
				Company Pogo Producing Company	
				Date May 8, 1992	
				<b>SURVEYOR CERTIFICATION</b> 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 knowledge and belief.	
				Date Surveyed See Original Plat	
				Signature & Seal of Professional Surveyor  See Original Plat	
				Certificate No.  	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

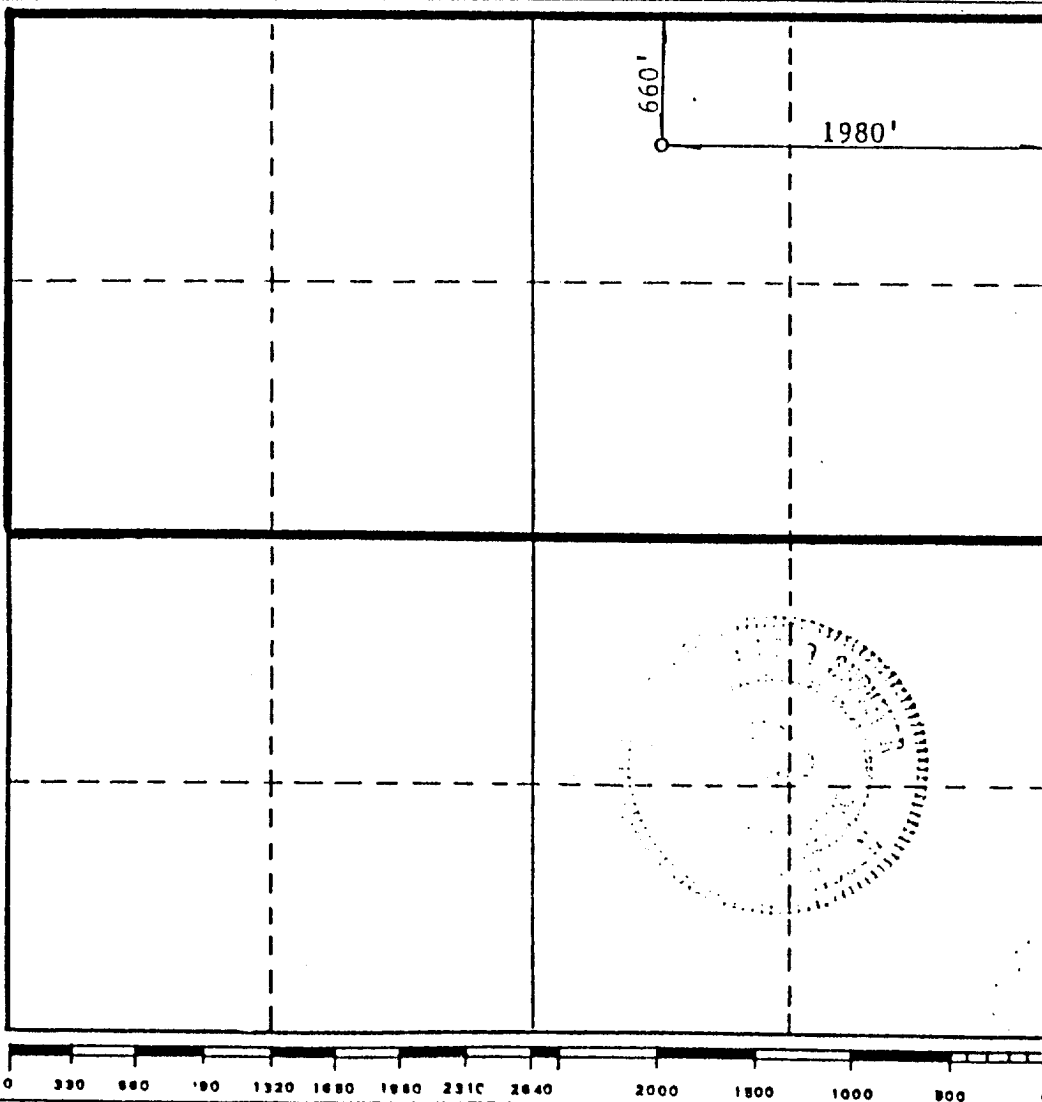
Operator <b>Sun Exploration &amp; Production Co.</b>			Lease <b>Buffalo Federal</b>		Well No. <b>1</b>
Well Letter <b>B</b>	Section <b>11</b>	Township <b>19 South</b>	Range <b>33 East</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>660'</b> feet from the <b>North</b> line and <b>1980'</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3729.5'</b>	Producing Formation <b>Morrow</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation FO from Pogo Prod. Co., Sun 60% Int.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Maria L. Perez*  
Name

Maria L. Perez

Position

Accounting Associate

Company

Sun Expl. & Prod. Co.

Date

9-2-87

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 knowledge and belief.

Date Surveyed

August 25, 1987

Registered Professional Engineer and/or Land Surveyor

*Ronald J. Eidson*  
Certificate No. **JOHN M. WEST, 676**  
**RONALD J. EIDSON, 3239**