

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

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

BUREAU OF LAND MGMT.

ROSWELL OFFICE

CONFIDENTIAL

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

2. Name of Operator ✓
Pogo Producing Company

3. Address and Telephone No.
P. O. Box 10340, Midland, TX 79702-7340 (915)682-6822

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1750' FSL & 660' FEL, Section 23, T24S, R29E

5. Lease Designation and Serial No.
NM-88138

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Canyon 23I Fed Com #1

9. API Well No.
30-015-29318

10. Field and Pool, or Exploratory Area
Wildcat Morrow

11. County or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

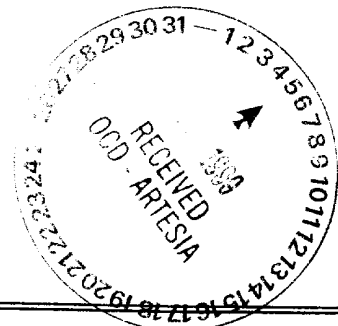
- ☐ Abandonment
☐ Recompletion
☒ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Pogo Producing Company respectfully request permission to abandon the Atoka perfs 12,736' to 12,748'. These perfs proved to be tight & wet. We propose that a plug be set at approximately 12,730' and be capped w/ minimum of 35' cmt. A 7" CIBP will be set at the top of the 5" liner 10,240'. A 200' cmt plug will be spotted above it. A Bone Spring completion attempt will be made @ 8064'-8100' & 8782'-9032'. Attached is a current well tubing packer schematic and a plugback procedure.



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

Signed Richard L. Wright
(This space for Federal or State office use)

Title Division Operations Manager

Date 9/3/97

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date SEP 04 1997

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

**Canyon 23 I Federal Com #1
Recompletion Procedure**

Eng Data: TD 13,950' PBTD 13,564' Elev. 22' KB

Perfs: Inactive: 13,618'-13,624', 13,638'-13,642', 13,646'-13,648', 13,650'-13,655', 13,675'-13,680'
Active: 12,736'-12,748"

Packer: Permanent GT Magnum packer 10,277' & 12,318'
2-7/8" FJ tubing between pkrs (66) jts FL4S 8.7# N-80

Nipple: Model "R" "2.188" ID 10079'
Model "R" 2.125" ID 12284'

EOT: W/L Entry Guide Mechanical Disconnect 12344

Tubing: 2-7/8" 7.9# P-105 IJ3SS (311 Jts) 9,904'
Burst 13,440# Collapse 13,880# Body Yield 180,280#
Torque 3000 Ft lbs ID 2.323" Drift 2.229"

Casing: 7" 29# P-110 0'-5,591'
7" 26# N-80 5,591'-9,103'
7" 29# N-80 9,103'-10,500'

Liner: 5" 18# L-80 FL4S 10,424'-13,928'

Packer Fluid: 8.5 PPG KCL w/chemical additive

Procedure:

1. MIRU slick line w/ mast truck. Release mechanical disconnect @ 12344'. Chase guns to bottom. Top of gun assembly should be $\pm 13145'$. RD slick line.
2. MIRU Electric line. Set through tubing bridge plug @ 12720'. Cap plug w/ 35' cmt. RD wireline.
3. MIRU pulling unit. NU BOP's. POOH w/ 2-7/8" 7.9# tbg. Mark last 5 jts (8.7#). Lay down tbg.
4. RIH w/ CIBP on 2-7/8" 6.5# N-80 eue 8rd tbg. Set at 10240'. Spot 50 sk plug (280') on CIBP. PBTD $\pm 9960'$. POOH. LD excess tbg.
5. Run CBL. Locate cmt top 2300' calc. Perf 2nd Bone Spring in 7" csg 8782'-8796'', 8866'-8878', 9004'-9032' 1 shot per 2' w/ 4" csg gun spiral phasing.
6. RIH w/ packer on 2-7/8" tbg. Acidize perfs w/ 1500 gals 15% HCL top gun acid using 50 RCNB's. Monitor dead string. Set packer. Swab back load. Evaluate for fracture treatment.
7. Frac as per recommendation. Flowback for forced closure.
8. Set 7" RBP on WL @ $\pm 8700'$. Perf 7" csg 8064'-8100' (1st Bone Spring) 2 spf 60° spiral phasing w/ 4" csg gun.
9. RIH w/ pkr on 2-7/8" tbg + (1) jt tailpipe. Acidize perfs w/ 1500 gals 15% HCL top gun acid using 100 RCNB's. Monitor dead string. Swab back load. Evaluate for fracture treatment. Circ frac balls above RBP before POOH.
10. Frac as per recommendation. Flow back for forced closure.
11. Remove RBP @ 8700'. Combine zones.
12. Rig up to rod pump. Probable high water cut.



PACKER INSTALLATION PLAN

WELL NAME		OWNER		DATE		
RAY HERRINGTON		POGO PRODUCING		JULY 28, 1997		
WELL		COUNTY		STATE		
CANYON 23-1 FED. COM. #1		EDDY COUNTY		N.M.		
INSTALLATION	LENGTH	FROM	TO	DESCRIPTION	QA	LA
	31.20	0	31.20	1 - JOINT 2 7/8" 7.90 P-105 LJ-353 TUBING	2.875	2.261
	.43	31.20	31.63	PN X PN 7.90 P-105-LJ353	2.875	2.261
	1.90	31.63	33.53	2 7/8" 7.90 X 2" P-105 LJ SUB	2.875	2.261
	3043.46	33.53	3075.27	323 JOINTS 2 7/8" 7.90 P-105 LJ-353 TUBING	2.875	2.261
	1.01	3075.27	3080.90	2.100" "K" NIPPLE 2 7/8" 7.90 LJ-353	3.374	2.308
	31.85	3080.90	3082.13	1 - JOINT 2 7/8" 7.90 LJ-353	2.875	2.261
	163.75	3082.13	3075.00	5 - JOINTS 2 7/8" 8.70 LJ-353	2.875	2.190
	1.26	3075.00	3077.14	2.000 BOMED LATCH W/2 7/8" 7.90 LJ-353 BOX	3.701	2.437 .300
	3.75	3077.14	3080.89	0" X 15-250 "GT-1" MAGNUM PACKER HYDRAULIC SET	3.968	2.390
	4.73	3080.89	3085.62	0" HILL-OUT EXTENSION	3.123	2.685
	.84	3085.62	3086.46	HILL-OUT EXTENSION CROSS-OVER FL-4S 8.70	2.875	2.259
		3086.46	3089.43	65 JOINTS 2 7/8" FL-4S 8.70 TUBING	2.875	2.259
	.90	3089.43	3089.33	2.125" "K" NIPPLE FL-4S BOX X PN	2.875	2.125
	30.60	3089.33	3120.00	1 JOINT 2 7/8" FL-4S 8.70 TUBING	2.875	2.259
	.86	3120.00	3120.87	FL-4S X 2 7/8" BRD CROSS-OVER	2.875	2.259
	1.20	3120.87	3120.87	3.00" LATCH SEAL ASSEMBLY BOMED SEAL	3.701	2.437 .300
				WIRELINE SET		
	3.75	3120.87	3120.00	0" X 15-250 "GT-1" MAGNUM	3.968	2.390
	4.72	3120.00	3120.54	0" HILL-OUT EXTENSION	3.123	2.685
	10.11	3120.54	3130.65	2 7/8" 8.70 TUBING SUB	2.875	2.259
	1.09	3130.65	3137.74	2.125" "K" NIPPLE	3.660	2.125
	10.06	3137.74	3147.80	2 7/8" 8.50 TUBING SUB	2.875	2.441
	1.60	3147.80	3144.40	MECHANICAL DISCONNECT		
	10.11	3144.40	3155.51	2 7/8" 8.50 H-80 SUB	2.875	2.441
	.81	3155.51	3156.00	2 7/8" X 2 7/8" CROSS-OVER	3.660	1.995
	306.44	3156.00	3186.44	11 JOINTS 2 3/8" BRD H-80 TUBING	2.375	1.995
	2.40	3186.44	3189.80	FIRING HEAD		
	33.40	3189.80	3273.20	POWER PERF. GUN		
	2.60	3273.20	3276.00	BLANK GUN		
	12.00	3276.00	32745.00	LOADED GUN		
GENERAL REMARKS						
SEAL UNIT SET W/15,000 COMPRESSION						
LINER TOP @ 10,242'						
TYPE OF FLUID: PACKER FLUID						

DRAWING DATE	REVISION REPRESENTATIVE	OFFICE LOCATION	PHONE
JULY 28, 1997	BILLY PIERCE	MIDDS, NEW MEXICO	(505) 392-3383
SERVICE CENTER		SERVICE CENTER REP	PHONE