

Form 3160-4
(April 2004)

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NM 88210

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.
NM-104730

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
Pogo Producing Company

8. Lease Name and Well No.
Sundance Federal #30

3. Address
P.O. Box 10340, Midland, TX

3a. Phone No. (include area code)
432-685-8100

9. AFI Well No.
30-015-33673

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 660' FSL & 1980' FWL

At top prod. interval reported below same

At total depth same

10. Field and Pool, or Exploratory

Sand Dunes Delaware West

11. Sec., T., R., M., on Block and
Survey or Area 4/24S/31E

12. County or Parish 13. State
Eddy County NM

14. Date Spudded
11/9/04

15. Date T.D. Reached
11/25/04

16. Date Completed
☐ D & A ☒ Ready to Prod

17. Elevations (DF, RKB, RT, GL)*
3424

18. Total Depth: MD
TVD 8350

19. Plug Back T.D.: MD
TVD 8292

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2	13-3/8	48		990		750 sks		surface	
11	8-5/8	32		4240		1500 sks		surface	
7-7/8	4-1/2	11.6		8350		2055 sks		surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	7778							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware	7871	8030	7871-8030 (0A)		20	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
7871-8030	Acidz w/ 1500 gals 7-1/2% acid
	Frac w/ 199,000# 16/30 Ottawa + 56,000# 16/30 SLC

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/18/04	12/19	24	→	81	59	326	40.2		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				728:1	Producing	FEB 3 2005

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						LES BABYAK PETROLEUM ENGINEER
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Basal Anhydrite	4062				
Delaware Lime	4279				
Bell Canyon	4306				
Cherry Canyon	5207				
Manzanita	5371				
Brushy Canyon	6451				
Bone Spring	8120				

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☒ Sundry Notice for plugging and cement verification
☐ Core Analysis
☒ Other: C104

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Cathy WrightTitle Sr Eng TechSignature Cathy WrightDate 1/14/05

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.

Pogo Producing Company
P.O. Box 10340
Midland, TX 79702-7340

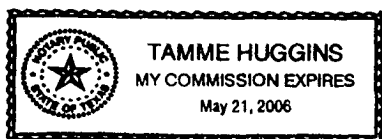
Sundance Federal # 30
Eddy County, New Mexico

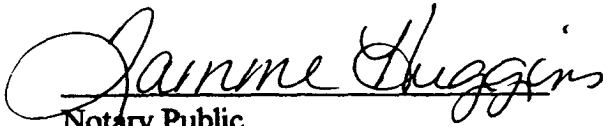
CONFIDENTIAL

214	2.14	1	1.75	3.75	3.75
506	2.92	1 1/4	2.19	6.39	10.13
745	2.39	2 3/4	4.81	11.50	21.63
836	0.91	1 1/4	2.19	1.99	23.63
1232	3.96	1	1.75	6.93	30.56
1484	2.52	1 1/4	2.19	5.51	36.07
1736	2.52	1 1/2	2.63	6.62	42.68
2019	2.83	3	5.25	14.86	57.54
2145	1.26	1	1.75	2.21	59.75
2302	1.57	2	3.50	5.50	65.24
2554	2.52	2	3.50	8.82	74.06
2805	2.51	1	1.75	4.39	78.45
3057	2.52	1 1/4	2.19	5.51	83.97
3309	2.52	1	1.75	4.41	88.38
3561	2.52	3/4	1.31	3.31	91.68
3814	2.53	1	1.75	4.43	96.11
4066	2.52	2	3.50	8.82	104.93
4240	1.74	3	5.25	9.14	114.07
4458	2.18	2 1/2	4.38	9.54	123.60
4646	1.88	2	3.50	6.58	130.18
4804	1.58	2	3.50	5.53	135.71
5055	2.51	2	3.50	8.79	144.50
5434	3.79	1 1/4	2.19	8.29	152.79
5875	4.41	1 3/4	3.06	13.51	166.29
6221	3.46	1/2	0.88	3.03	169.32
6472	2.51	1	1.75	4.39	173.71
6874	4.02	3/4	1.31	5.28	178.99
7225	3.51	2 1/4	3.94	13.82	192.81
7603	3.78	1	1.75	6.62	199.43
7950	3.47	1 1/2	2.63	9.11	208.53
8350	4.00	1	1.75	7.00	215.53


Michael Roghair - General Manager

The attached instrument was acknowledged before me on the 6th day of December 2004 by Michael Roghair, General Manager CapStar Drilling, L.P.




Notary Public