

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

3. Address

P.O. Box 10340, Midland, TX 79702

3a. Phone No. (include area code)

432-685-8100

9. AFI Well No.

30-015-33674

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

At surface 660' FSL & 660' FEL

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/T24S/R31E

12. County or Parish

Eddy County

13. State

NM

14. Date Spudded

10/29/04

15. Date T.D. Reached

11/15/04

16. Date Completed

12/10/04

☐ D & A ☒ Ready to Prod.

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

3430

18. Total Depth: MD

TVD 8339

19. Plug Back T.D.: MD

TVD 8277

20. Depth Bridge Plug Set: MD

TVD

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

HDIL, ZDL/CN/GR

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		975		800		surface	
11	8-5/8	32		4250		1450		surface	
7-7/8	4-1/2	11.6		8339		2020		900' FS	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8	7902							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware	8098	8108			10	
B) Delaware	7963	7976			13	
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7963-8108 (0A)	Acidz w/ 1800 gals 7-1/2% acid
	Frac w/ 255,000# 16/30 sand

RECEIVED

JAN 10 2005

OIL-ARTESIA

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
12/10/04	12/15	24	→	47	16	276	40.1		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				340:1		Producing

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
			→						
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	4082				
Delaware Lime	4308				
Bell Canyon	4336				
Cherry Canyon	5234				
Manzanita	5393				
Brushy Canyon	6465				
Bone Spring	8174				

32. Additional remarks (include plugging procedure):

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

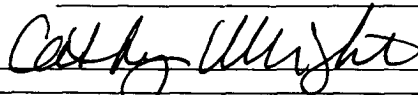
- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☒ Sundry Notice for plugging and cement verification
☐ Core Analysis
☒ Other: C-104

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 Wright

Title Sr Eng Tech

Signature



Date

1/6/05

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 # 31
Eddy County, New Mexico

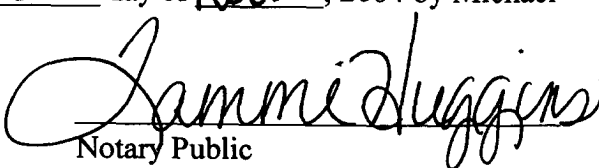
CONFIDENTIAL

292	2.92	3/4	1.31	3.83	3.83
412	1.20	3/4	1.31	1.58	5.41
618	2.06	1/2	0.88	1.80	7.21
796	1.78	3/4	1.31	2.34	9.55
975	1.79	3/4	1.31	2.35	11.90
1266	2.91	1/4	0.44	1.27	13.17
1561	2.95	3/4	1.31	3.87	17.04
1856	2.95	1	1.75	5.16	22.20
2151	2.95	1	1.75	5.16	27.37
2446	2.95	3/4	1.31	3.87	31.24
2741	2.95	3/4	1.31	3.87	35.11
3034	2.93	1	1.75	5.13	40.24
3328	2.94	3/4	1.31	3.86	44.10
3613	2.85	3/4	1.31	3.74	47.84
3893	2.80	3/4	1.31	3.68	51.51
4173	2.80	2 3/4	4.81	13.48	64.99
4250	0.77	2 3/4	4.81	3.71	68.69
4348	0.98	2 3/4	4.81	4.72	73.41
4471	1.23	2 1/2	4.38	5.38	78.79
4659	1.88	2 1/4	3.94	7.40	86.19
4941	2.82	1	1.75	4.94	91.13
5222	2.81	1/2	0.88	2.46	93.59
5529	3.07	3/4	1.31	4.03	97.62
5805	2.76	1/2	0.88	2.42	100.03
6113	3.08	1/2	0.88	2.70	102.73
6395	2.82	3/4	1.31	3.70	106.43
6676	2.81	1	1.75	4.92	111.34
6959	2.83	1	1.75	4.95	116.30
7239	2.80	3/4	1.31	3.68	119.97
7550	3.11	1 1/4	2.19	6.80	126.77
7830	2.80	3/4	1.31	3.68	130.45
8111	2.81	3/4	1.31	3.69	134.14
8339	2.28	1 1/2	2.63	5.99	140.12


Michael Roghair, General Manager

The attached instrument was acknowledged before me on the 18th day of Nov., 2004 by Michael Roghair, General Manager CapStar Drilling, L.P.




Notary Public