

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO.
30-015-28816

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator
Pogo Producing Company

3. Address of Operator
P. O. Box 10340, Midland, TX 79702-7340

7. Lease Name or Unit Agreement Name
Gaines "21"

8. Well No.
4

9. Pool name or Wildcat
Cedar Canyon
Corral Draw Delaware

4. Well Location
Unit Letter P : 660 Feet From The South Line and 660 Feet From The East Line

Section 21 Township 24S Range 29E NMPM Eddy County

10. Date Spudded 2/19/97 11. Date T.D. Reached 3/2/97 12. Date Compl. (Ready to Prod.) 3/9/97 13. Elevations (DF & RKB, RT, GR, etc.) 2936' GR 14. Elev. Casinghead 2935'

15. Total Depth 5390 16. Plug Back T.D. 5341 17. If Multiple Completions, How Many Zones? 18. Intervals Completed By Rotary Tools 10'-5390 Cable Tools ---

19. Producing Interval(s), of this completion - Top, Bottom, Name
5230'-52' Delaware

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
DIL-CNL-CBL

22. Was Well Cored
No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLESIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	40.5#	512	14-3/4	510 sxs-circ 130 sxs	
7-5/8	26.4#	1470	9-5/8	450 sxs-circ 77 sxs	
4-1/2	11.6#	5390	6-3/4	575 sxs-TOC @ 2500'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8	5149	

26. Perforation record (interval, size, and number)
5230'-52' (44 - .38" dia holes)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5230'-52'	Acidz w/ 1000 gals 7-1/2% HCl
	Frac w/ 64,000# 16/30 sand

28. PRODUCTION

Date First Production 3/15/97 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 1-1/4" insert pump Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3/18/97	24	---		90	47	135	522:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
---	---		90	47	135	41.2

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

Test Witnessed By
Terry Coor

30. List Attachments
C-104, Logs, Sundry, Deviation Survey, C-102

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Barrett L. Smith Printed Name Barrett L. Smith Title Sr. Oper. Eng. Date 4/1/97

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
No. 2, from.....to.....feet.....
No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology
			Basal Anhydrite 2753
			Delaware Lime 2950
			Bell Canyon 2978
			Cherry Canyon 3826
			Brushy Canyon 5032

INCLINATION REPORT

1. FIELD NAME	2. LEASE NAME Gaines 21- #4
3. OPERATOR Pogo Producing Company	
4. ADDRESS P.O. Box 10340, Midland, tx. 79702	
5. LOCATION (Section, Block, and Survey) Sec. 21, T-24-S, R-29-E, Eddy N.M.	

CONFIDENTIAL

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
175	1.75	1.00	1.75	1.75	1.75
362	1.87	1.50	2.62	4.89	6.64
512	1.50	0.75	1.31	1.96	8.60
635	1.23	0.75	1.31	1.61	10.21
940	3.05	0.75	1.31	3.99	14.20
1101	1.61	0.50	0.87	1.40	15.60
1256	1.55	0.75	1.31	2.03	17.63
1470	2.14	1.25	2.18	4.66	22.29
1591	1.21	1.00	1.75	2.11	24.40
1840	2.49	4.25	7.41	18.45	42.85
1943	1.03	4.50	7.85	8.08	50.93
1968	0.25	5.00	8.72	2.18	53.11
2000	0.32	4.25	7.41	2.37	55.48
2098	0.98	4.00	6.98	6.84	62.32
2129	0.31	3.75	6.54	2.02	64.34
2253	1.24	3.50	6.10	7.56	71.90
2316	0.63	3.75	6.54	4.12	76.02
2356	0.40	3.75	6.54	2.61	78.63
2440	0.84	3.50	6.10	5.12	83.75
2503	0.63	3.25	5.67	3.57	87.32
2565	0.62	3.75	6.54	4.05	91.37
2629	0.64	3.50	6.10	3.90	95.27
2691	0.62	3.75	6.54	4.05	99.32
2754	0.63	3.50	6.10	3.84	103.16
2815	0.61	2.75	4.80	2.92	106.08
2877	0.62	2.50	4.36	2.70	108.78
2939	0.62	1.50	2.62	1.62	110.40
3055	1.16	1.25	2.18	2.52	112.92
3552	4.97	0.75	1.31	6.51	119.43
3843	2.91	0.75	1.31	3.81	123.24
4335	4.92	0.75	1.31	6.44	129.68
4804	4.69	1.25	2.18	10.22	139.90
5390	5.86	1.00	1.75	10.25	150.15

Accumulative total displacement of well bore at total depth of 5390' feet = 150.15 feet.

Inclination measurements were made in : ☐ Tubing ☐ Casing ☐ Open Hole ☒ Drill Pipe

<i>L.V. Bohannon</i> Signature of Authorized Representative L.V. Bohannon, Drilling Superintendent Name of Person and Title (type or print) Lakota Drilling Company Name of Company Lakota Drilling Company Telephone 915-570-5560 Area Code _____	_____ Signature of Authorized Representative _____ Name of Person and Title (type or print) _____ Name of Company _____ Telephone _____ Area Code
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