

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, 2007

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. NM-99015	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____						6. If Indian, Allottee or Tribe Name	
2. Name of Operator Pogo Producing Company						7. Unit or CA Agreement Name and No.	
3. Address P.O. Box 10340, Midland, TX				3a. Phone No. (include area code) 432-685-8100		8. Lease Name and Well No. Seven Rivers 17 Federal #1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1250' FSL & 1650' FWL At top prod. interval reported below same At total depth same						9. AFI Well No. 30-015-33430	
CONFIDENTIAL						10. Field and Pool, or Exploratory Cemetery Morrow (Gas)	
						11. Sec., T., R., M., on Block and Survey or Area 17/20S/25E	
14. Date Spudded 06/10/04						15. Date T.D. Reached 07/10/04	
16. Date Completed 08/03/04 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						17. Elevations (DF, RKB, RT, GL)* 3518 GL	
18. Total Depth: MD TVD 9800			19. Plug Back T.D.: MD TVD 9757			20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SPED/CNL, MSFL/DLL						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sk. & Type of Cement	Slurry Vol. (BBL)
17-1/2	13-3/8	48		406		900	
11	8-5/8	32		2614		700	
7-7/8	5-1/2	17		9800		1500	
24. Tubing Record							
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)
25. Producing Intervals							
Formation	Top	Bottom	26. Perforation Record				
A) Morrow	9408	9576	Perforated Interval	Size	No. Holes	Perf. Status	
B)					30		
C)							
D)							
27. Acid, Fracture, Treatment, Cement Squeeze, etc.							
Depth Interval		Amount and Type of Material					
9408-9576		Frac w/ 41,000# 20/40 Econoflex + 78,580# 20/40 Interprop					
28. Production - Interval A							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
08/03	08/08	24	→	0	499	0	.631
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
3/64	2400		→				
Well Status Producing							RECEIVED SEP 24 2004 DOB-ARTESIA
28a. Production - Interval B							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
			→				

*(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.)

Venting - WO right of way - should be hooked up around Oct 15th.

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
San Andres	708				
Glorieta	2280				
Yeso	2542				
Bone Spring	3009				
Wolfcamp	6290				
Cisco	7650				
Strawn	8239				
Atoka	8844				
Morrow Clastic	9300				

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:

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. Engineering Tech

Signature

Cathy Wright

Date

09/22/04

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.

OPERATOR: POGO PRODUCING
WELL/LEASE: SEVEN RIVERS 17 FED COM 1
COUNTY: EDDY, NM

078-0024

STATE OF NEW MEXICO
DEVIATION REPORT

RECEIVED

JUL 30

MIDLAND

200	0.50	6,678	1.49
445	0.75	6,742	2.73
748	1.00	6,998	1.76
1,313	1.00	7,694	0.18
1,537	1.00	7,190	0.88
1,790	0.75	7,350	1.58
2,109	0.50	7,414	0.88
2,677	1.25	7,478	0.97
2,997	1.50	7,574	0.62
3,315	1.25	7,701	1.06
3,632	2.25	7,764	1.06
3,760	2.25	7,988	0.62
4,048	3.00	8,148	3.00
4,145	2.00	8,968	1.00
4,273	2.00	9,215	0.60
4,399	2.00	9,650	0.60
4,657	2.00		
4,956	3.00		
5,052	3.00		
5,116	2.50		
5,305	2.50		
5,435	2.00		
5,562	2.00		
5,818	3.00		
6,074	3.25		
6,137	3.25		
6,330	4.00		
6,455	3.17		
6,487	3.08		
6,582	2.02		

RECEIVED

SEP 24 2004

OCD-ARTESIA

CONFIDENTIAL

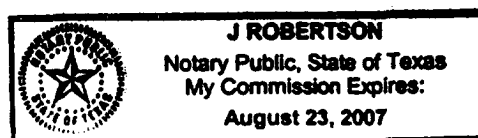
By: Steve Moore

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 28th day of July, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

J Robertson
Notary Public for Midland County, Texas

My Commission Expires: 8/23/2007





MWD SURVEY REPORT

MWD Services, Inc.

RECEIVED
SEP 24 2004
OIL ARTESIA

CONFIDENTIAL

Report Date : JULY 06, 2004
Job Number : 04083
Operator : POGO PRODUCING COMPANY
Lease / Well : SEVEN RIVERS -17- FEDERAL #1
Location : EDDY COUNTY, NEW MEXICO
Field : CEMETARY
Contractor / Rig : PATTERSON DRILLING 78
Directional Company : BALCK VIPER ENERGY SERVICES, LTD.
MWD Field Rep. : WILBUR HATTAWAY
Tie In Survey Reference : SURFACE, ASSUME VERTICAL
Calculation Method : MINIMUM CURVATURE

Target +N / -S = N/A
Target +E / -W = N/A
Target TVD = N/A
Magnetic Declination +E / -W = 8.98°
Grid Convergence +E / -W = N/A
Total Correction +E / -W = 8.98°
North Reference = True
RKB Height =
Ground Level Elevation =
Vertical Section Azimuth = 0.00°

Comments :

SURVEY #0 = TIE IN SURVEY

SURVEY #18 = STRAIGHT LINE PROJECTED SURVEY TO BIT DEPTH

Srv. No.	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (deg/100')
							+N / -S (ft)	+E / -W (ft)	Distance (ft)	Azimuth (deg)	
0	8165.00'	3.00°	177.80°		8165.00'	0.00'	0.00'	0.00'	0.00'	63.43°	
1	8235.00'	1.90°	183.40°	70'	8234.94'	-2.99'	-2.99'	0.00'	2.99'	179.97°	1.61°
2	8299.00'	1.50°	227.60°	64'	8298.91'	-4.61'	-4.61'	-0.68'	4.66'	188.39°	2.08°
3	8363.00'	0.50°	176.80°	64'	8362.90'	-5.46'	-5.46'	-1.28'	5.61'	193.23°	1.95°
4	8426.00'	0.80°	235.80°	63'	8425.90'	-5.98'	-5.98'	-1.63'	6.20'	195.26°	1.10°
5	8490.00'	0.90°	234.80°	64'	8489.89'	-6.52'	-6.52'	-2.41'	6.95'	200.30°	0.16°
6	8553.00'	1.10°	205.40°	63'	8552.88'	-7.35'	-7.35'	-3.08'	7.97'	202.70°	0.86°
7	8617.00'	1.00°	244.10°	64'	8616.87'	-8.15'	-8.15'	-3.84'	9.01'	205.24°	1.10°
8	8713.00'	1.00°	241.70°	96'	8712.86'	-8.91'	-8.91'	-5.33'	10.39'	210.89°	0.04°
9	8777.00'	0.80°	244.20°	64'	8776.85'	-9.37'	-9.37'	-6.23'	11.25'	213.60°	0.32°
10	8872.00'	0.80°	179.80°	95'	8871.84'	-10.32'	-10.32'	-6.82'	12.37'	213.45°	0.90°
11	8968.00'	1.00°	184.10°	96'	8967.83'	-11.83'	-11.83'	-6.88'	13.68'	210.18°	0.22°
12	9064.00'	0.60°	187.00°	96'	9063.82'	-13.16'	-13.16'	-7.00'	14.91'	208.00°	0.42°
13	9160.00'	1.10°	139.40°	96'	9159.81'	-14.36'	-14.36'	-6.46'	15.75'	204.22°	0.86°
14	9224.00'	0.60°	155.90°	64'	9223.80'	-15.13'	-15.13'	-5.92'	16.25'	201.38°	0.86°
15	9320.00'	1.30°	170.60°	96'	9319.79'	-16.67'	-16.67'	-5.54'	17.57'	198.39°	0.77°
16	9350.00'	1.40°	167.00°	30'	9349.78'	-17.36'	-17.36'	-5.40'	18.18'	197.29°	0.44°
17	9414.00'	0.70°	161.80°	64'	9413.77'	-18.49'	-18.49'	-5.11'	19.19'	195.43°	1.10°
18	9470.00'	0.70°	161.80°	56'	9469.76'	-19.14'	-19.14'	-4.89'	19.76'	194.33°	0.00°