

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

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-015-32117
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Harroun 15
8. Well No. 12
9. Pool name or Wildcat Cedar Canyon Delaware

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	
4. Well Location Unit Letter <u>N</u> : <u>330</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>15</u> Township <u>24</u> Range <u>29</u> NMPM <u>Eddy</u> County	
10. Date Spudded 01/03/02	11. Date T.D. Reached 01/13/02
12. Date Compl. (Ready to Prod.) 01/28/02	13. Elevations (DF & RKB, RT, GR, etc.) 2926
14. Elev. Casinghead 2927	
15. Total Depth 5700	16. Plug Back T.D. 5653
17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools ☒ Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name Delaware 5202'-22', 5252'-72'	
20. Was Directional Survey Made No	
21. Type Electric and Other Logs Run ZDL/CN, DLL/MLL	
22. Was Well Cored No	

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	32#	582'	12-1/4	500 sks	
5-1/2	15.5#	5700'	7-7/8	1800 sks	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2-7/8	5100'				
26. Perforation record (interval, size, and number)					
5202'-22' (2 spf) 5252'-72' (2 spf)					
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
5202-22		Acidz w/ 1000 gals 7-1/2% HCL			
5252-72		Acidz w/ 1000 gals 7-1/2% HCL			
		Frac w/ 27,000# 20/40 Ottawa + 10,000# 20/40 SLC			

28. PRODUCTION							
Date First Production 01/28/02		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 02/05/02	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - BbL. 61	Gas - MCF 41	Water - BbL. 204	Gas - Oil Ratio 672:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL. 61	Gas - MCF 41	Water - BbL. 204	Oil Gravity - API - (Corr.) 39.9	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By Jack Burnett	
30. List Attachments Logs, Deviation Survey, Sundry, C-104							

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 <u>Cathy Tomberlin</u>		Printed Name <u>Cathy Tomberlin</u>		Title <u>Sr. Operation Tech</u>		Date <u>02/05/02</u>	

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 specific 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. Blinberry _____	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
		2749.0	Basal Anhydrite
		2958.0	Delaware Lime
		2978.0	Bell Canyon
		3826.0	Cherry Canyon
		5043.0	Brushy Canyon

OPERATOR: POGO PRODUCING CO.
WELL/LEASE: HARROUN 15 # 12
COUNTY: EDDY

054-0016

STATE OF NEW MEXICO
DEVIATION REPORT

257	1/2	5,263	1
467	1/4	5,683	1
543	1/2	5,700	1
661	1/2		
774	1/4		
892	1/4		
1,019	0		
1,142	3/4		
1,285	1/2		
1,389	1/4		
1,514	1		
1,640	1 1/4		
1,765	1 1/4		
1,890	1		
2,016	1 1/4		
2,140	1		
2,296	1/2		
2,453	1/2		
2,610	2		
2,766	2 1/4		
2,923	1		
3,111	1/4		
3,268	3/4		
3,423	1/4		
3,612	1/4		
3,801	1/4		
3,960	2		
4,086	2 1/4		
4,181	2		
4,275	1 3/4		
4,369	2 1/4		
4,840	1 1/4		

CONFIDENTIAL



By: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 24th day of January, 2002, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003

