



Form 3160-4  
(April 2004)

N.M. Oil Cons. Div. Dist. 2

1301 W. Grand Avenue

Artesia, NM 88210

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

5. Lease Serial No.  
NM-57273

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.  
Palladium Federal #9

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

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

9. AFI Well No.  
30-015-33732 SI

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

At surface 330' FSL & 1980' FEL, Section 7

10. Field and Pool, or Exploratory  
Sand Dunes Delaware South

At top prod. interval reported below same

11. Sec., T., R., M., on Block and  
Survey or Area 7/T24S/R31E

At total depth same

12. County or Parish  
Eddy County

13. State  
NM

14. Date Spudded  
01/10/05

15. Date T.D. Reached  
01/26/05

16. Date Completed 02/16/05  
☐ D & A ☒ Ready to Prod.

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

18. Total Depth: MD  
TVD 8308

19. Plug Back T.D.: MD  
TVD 8204

20. Depth Bridge Plug Set: MD  
TVD

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

SDL/DSN/ML, HRI

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		1007		1000		surface	
11	8-5/8	32		4193		1300		surface	
7-7/8	5-1/2	15.5		8308		1975		surface	
		& 17							

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	7868							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware			7928-8052 (OA)		30	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7928-8052 (OA)	Acidz w/ 2200 gals 7-1/2% acid
	Frac w/ 81,000# TLC & 40,000# 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
02/16/05	02/18/05	24	→	295	198	249			Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				671:1	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)

ACCEPTED FOR RECORD

FEB 28 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

## 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

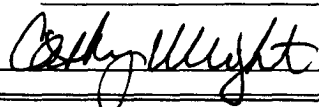
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Basal Anhydrite	4122				
Delaware Lime	4285				
Bell Canyon	4315				
Cherry Canyon	5173				
Manzanita	5363				
Brushy Canyon	6508				
Bone Spring	8106				

32. Additional remarks (include plugging procedure):

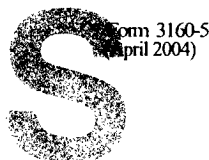
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ 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 02/24/05

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.



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UNITED STATES  
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**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Pogo Producing Company

3a. Address  
P.O. Box 10340, Midland, TX  
3b. Phone No. (include area code)  
432-635-8100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
330' FSL & 1980' FEL, Section 7, T24S, R31E

5. Lease Serial No.  
NM-57273

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
Palladium 7 Federal #9

9. API Well No.  
30-015-33732

10. Field and Pool, or Exploratory Area  
Sand Dunes Delaware South

11. County or Parish, State

Eddy County, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Intermediate Csg - Drld 11" hole to 4193'. TD reached @ 05:30 hrs 01/19/05. Ran 94 jts 8-5/8" 32# J-55 LT&C csg. Cmt'd w/ 1100 sks 35:65 POZ C @ 12.4 ppg followed by 200 sks Cl "C" + 1% CaCl2 @ 14.8 ppg. Plug down @ 22:30 hrs 01/19/05. Circ 80 sks to surface. WOC 18 hrs. Make cut-off. Install WH. NU BOP's & test ok.

TD & Production Csg - Drld 7-7/8" hole to 8308'. TD reached @ 18:00 hrs 01/26/05. Logged w/ Halliburton. Ran 188 jts 5-1/2" 15.5# & 17# J-55 LT&C csg. Cmt'd 1<sup>st</sup> stage w/ 775 sks Cl "H" + additives @ 15.7 ppg. Cmt'd 2<sup>nd</sup> stage w/ 700 sks Cl C + additives @ 12.4 ppg. Circ 115 sks to surface. Cmt'd 3<sup>rd</sup> stage w/ 300 sks 65:35 POZ C @ 12.4 ppg followed by 200 sks Cl "C" + 2% CaCl2 @ 14.8 ppg. Circ 106 sks to surface. Ran CBL 02/05/05. TOC @ surface.

ACCEPTED FOR RECORD

FEB 28 2005

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Cathy Wright

Title Sr Eng Tech

Signature

*Cathy Wright*

Date 02/24/05

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on page 2)