

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

1625 N. French St.

Hobbs, NM 88240

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

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
Penroc Oil Corporation

3. Address *P.O. Box 2769, Hobbs, NM 88241* 3a. Phone No. (include area code)
(505) 292-1236

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface *660' FNL, 660' FNL*
At top prod. interval reported below *Same as above*
At total depth *Same as above*

5. Lease Serial No.
NM 96248

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Barnes Federal 2

9. API Well No.
30-025-02664

10. Field and Pool, or Exploratory
Wildcat A60

11. Sec., T., R., M., on Block and Survey or Area *24-9S-35E*

12. County or Parish
Lea 13. State
NM

14. Date Spudded *2.28.03* 15. Date T.D. Reached *3.3.03* 16. Date Completed
☐ D & A ☒ Ready to Prod.
3.10.03

17. Elevations (DF, RKB, RT, GL)*
4123' GL

18. Total Depth: MD *8950* TVD *8950* 19. Plug Back T.D.: MD *8931'* TVD *8931'* 20. Depth Bridge Plug Set: MD *-* TVD *-*

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Cased hole CNL & CBL

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	10 3/4"	32.75	surface	420'	-	425 sks.	unknown	Surface	-
4 1/2"	7 5/8"	24.00	surface	2858'					
-	7 5/8"	26.40	2858'	4188'		1400 sks.	N/A	surface	-
4 1/2"	4 1/2 J-55	11.60	surface	3291'		310 sks. H 88-65			
	4 1/2 N-80	11.60	5640'	8931'		150 sks. H-		6100	-

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 1/2"	8761	8761						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <i>400</i>	<i>8850</i>	<i>8865</i>	<i>8850-8865</i>	<i>.38"</i>	<i>30</i>	<i>open</i>
B)						
C)						
D)						

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status

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

Depth Interval	Amount and Type of Material
<i>8850-8865</i>	<i>5000 gal. 20% w/ additives & ball sealers</i>

ACCEPTED FOR RECORD
MAR 18 2003
GARY GOLDFLEX

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
	<i>2.8.03</i>	<i>24</i>	<i>→</i>	<i>132</i>	<i>80</i>	<i>-</i>	<i>39.7</i>	<i>.70</i>	<i>Flowing/swabbing</i>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
<i>3 1/2"</i>	<i>60</i>	<i>-</i>	<i>→</i>	<i>132</i>	<i>80</i>	<i>0</i>	<i>606</i>	<i>Shut-in pending installation of prod. facilities</i>	

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
			<i>→</i>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			<i>→</i>						

(See instructions and spaces for additional data on reverse side)

J
C
K

[Signature]

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 to Dynegy

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

Same as shown in 30.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
<i>Yates</i>	<i>2764</i>	<i>3488</i>	<i>Sand & Anhydrite</i>		
	<i>3488</i>	<i>4038</i>	<i>Sand & Anhydrite</i>		
	<i>4038</i>	<i>5468</i>	<i>Dolomite & Anhydrite</i>		
	<i>5468</i>	<i>7667</i>	<i>Limestone</i>		
	<i>7667</i>	<i>8898</i>	<i>Dolomite</i>		
	<i>8898</i>	<i>8950+</i>	<i>Dolomite</i>		

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- ☒ 1. Electrical Mechanical Logs (1 full set req'd.)
 ☐ 2. Geologic Report
 ☐ 3. DST Report
 ☐ 4. Directional Survey
☐ 5. Sundry Notice for plugging and cement verification
 ☐ 6. Core Analysis
 ☐ 7. 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) *M. Y. (Merch) Merchant*Title *President*Signature *[Handwritten Signature]*Date *March 12, 2003*

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.