

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20045. Lease Serial No.  
MDA 701-98-00131a. 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

Black Hills Exploration &amp; Production dba Mallon Oil Company

3. Address

150 Indiana St., Suite 400 Golden, CO 80401

3a. Phone No. (include area code)  
720-210-1308

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

At surface 2045 FNL &amp; 860 FEL (SENE) Unit H

At top prod. interval reported below 2045 FNL &amp; 860 FEL (SENE) Unit H

At total depth 2045 FNL &amp; 860 FEL (SENE) Unit H

14. Date Spudded

5/30/2003

15. Date T.D. Reached

6/4/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.

8-29-03

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

27474

8. Lease Name and Well No.

Jicarilla 29-03-01 No. 2

9. API Well No.

30-039-26866

10. Field and Pool, or Exploratory

Tertiary, Cabresto Canyon

11. Sec., T., R., M., on Block and Survey  
or Area

Sec. 1, T29N-R03W

12. County or Parish

Rio Arriba

13. State

NM

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

7321' GL, 7335' KB

18. Total Depth: MD

TVD 3830'

19. Plug Back T.D.: MD

TVD

20. Depth Bridge Plug Set: MD

TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit copy)

-H Resolution Induction, Sp.Density Dual Spaced Neutron

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
12 1/4	8 5/8	24 #/ft	0	274' GL		110 sks & Type III	43 bbls	surface	
								circ 6 bbl	
								to surface	
7 7/8	5 1/2	15.5 #/ft	0	3830' KB		900 sks & 50/50 POZ		surface	

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	2229' KB	2228' KB						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Ojo Alamo	3254	3268	3254'-3268'	4 jsfp	16	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3254'-3268'	Frac w/ 70 Mitchell quality N2 foam, using 270,188 mscf of N2 w/28,520 lbs of 20/40 Brady sand & 12,220 lbs of 20/40 Super LS.

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
8/29/03	8/31/03	24	<input type="checkbox"/>	0	8	0			Flowing
Choke Size	Tbg. Press. Flgw. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>					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
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flgw. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

(See instructions and spaces for additional data on next page)

ACCEPTED FOR RECORD  
FEB 23 2004

## 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
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 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
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

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

## 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 Jose	~surface
				Kirtland	3513'
				Fruitland	3600'
				Pictured Cliffs	3658'
				Lewis	3756'

## 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) Allison Newcomb

Title Engineering Technician

Signature

Allison Newcomb

Date 12/3/2003

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.