

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 701-98-0013

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

Black Hills Exploration & Production dba Mallon Oil Company

3. Address

350 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 550' FNL and 865' FWL (NW/NW) Unit D

At top prod. interval reported below 550' FNL and 865' FWL (NW/NW) Unit D

At total depth 550' FNL and 865' FWL (NW/NW) Unit D

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

25287

8. Lease Name and Well No.

Jicarilla 29-02-08 No. 4

9. API Well No.

30-039-26864

10. Field and Pool, or Exploratory

East Blanco, Pictured Cliffs

11. Sec., T., R., M., on Block and Survey
or Area Sec. 8, T29N-R02W

12. County or Parish

Rio Arriba

13. State

NM

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

7366' GL, 7379' KB

14. Date Spudded

6/8/03 5-4-03

15. Date T.D. Reached

6/16/03

16. Date Completed

☐ D&A ☒ Ready to Prod.

18. Total Depth: MD

TVD 3970

19. Plug Back T.D.: MD

TVD

20. Depth Bridge Plug Set:

MD

TVD

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

High Resolution Induction, Sp Density Dual Spaced Neutron

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
12 3/4	8 5/8	23lb		224.71	285	450 & III / 175	10		
7 7/8	5 1/2	15.5lbs		3969		900	372		

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	3634'	3633'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	3675'	3680'	3675'-3680'	4 jsf	20	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3675-3680	Frac w/70 quality foam, 201,501 scf of N2. 17,400 lb of 20/40 Brown Brady Sand with 8200 lbs Super LC Total of 25600 lbs proppant

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
8/5/03	7/19/03	24	<input type="checkbox"/>	0	85	50.4	N/A	N/A	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
3/8"	8	0	<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. Flwg. 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 1 8 2004

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	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 <input type="checkbox"/>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production <input type="checkbox"/>	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 <input type="checkbox"/>	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
				San Jose	Surface
				Nacimiento	2297'
				Ojo Alamo	3213'
				Kirtland	3604'
				Pictured Cliffs	3771'
				Lewis	3866'

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 9/24/03

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.