

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. 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 3a. Phone No. (include area code)
350 Indiana St., Suite 400 Golden, CO 80401 720-210-1308

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 896' FSL & 1745' FWL (SESW) Unit N
At top prod. interval reported below 896' FSL & 1745' FWL (SESW) Unit N
At total depth 896' FSL & 1745' FWL (SESW) Unit N

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe
7. Unit or CA Agreement Name and No.
25496
8. Lease Name and Well No.
Jicarilla 29-03-12 No. 2
9. API Well No.
30-039-26860
10. Field and Pool, or Exploratory
East Blanco, Pictured Cliffs
11. Sec., T., R., M., on Block and Survey
or Area Sec. 12, T29N-R03W
12. County or Parish 13. State
Rio Arriba County NM
17. Elevations (DF, RKB, RT, GL)*
7142' GL, 7157' KB

14. Date Spudded 15. Date T.D. Reached 16. Date Completed
6/14/2003 6/18/2003 ☐ D & A ☒ Ready to Prod.
9-18-03

8. Total Depth: MD 19. Plug Back T.D.: MD 20. Depth Bridge Plug Set: MD
TVD 3990' TVD 3809' TVD
21. Type Electric & 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)

Neut. Net, Ac Cem Bond, Hi Res, Sp Density

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	8 5/8	24 #	0	270			45	surface	
7 7/8	5 1/2	15.5 #	0	3856		890 SX & Prem. Lite Hi Strength		surface	

4. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8		3544						

5. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Pictured Cliffs	3647	3734	3647-3664; 3730-3734	2 jspf	44	

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

Depth Interval	Amount and Type of Material
3647-3734	Frac PC w/ 70 Mitchell quality N2 foam. 445,881 mscf N2, w/ 58,060 lbs of 20/40 Brady Sand.

8. 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
9/19/03	8/29/03	24		0	136	0			Flowing
Shoke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
3/8		25						Producing	

a. 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
Shoke Size	Tbg. Press. Flwg. SI	Call Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

See instructions and spaces for additional data on next page!

03 DEC 29 AM 10:31
010 ALBUQUERQUE, N.M.
RECEIVED
81M
ACCEPTED FOR RECORD
FEB 13 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
				Nacimiento	2103
				Ojo Alamo	3208
				Kirtland	3439
				Pictured Cliffs	3643
				Lewis	3740

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 10/20/03

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.