

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

Mallon Oil Co., an indirect wholly-owned subsidiary of Black Hills E & P, Inc.

3. Address

350 Indiana Street, Suite 400 Golden, CO 80401

3a. Phone No. (include area code)

720-210-1398

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

At surface 1850' FNL & 750' FWL (SWNW) Unit M

At top prod. interval reported below 1850' FNL & 750' FWL (SWNW) Unit M

At total depth 1850' FNL & 750' FWL (SWNW) Unit M

14. Date Spudded

5/11/1998

15. Date T.D. Reached

5/18/1998

16. Date Completed

☐ D & A ☒ Ready to Prod.

6/25/98

5. Lease Serial No.

Jicarilla 459

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

22211

8. Lease Name and Well No.

Jicarilla 459-17 No. 10

9. API Well No.

30-039-25854

10. Field and Pool, or Exploratory

Cabresto Canyon, Tertiary

11. Sec., T., R., M., on Block and Survey
or Area Sec. 17, T30N-R03W

12. County or Parish

Rio Arriba

13. State

NM

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

7179'

18. Total Depth: MD

TVD 4010'

19. Plug Back T.D.: MD

TVD 3508'

20. Depth Bridge Plug Set: MD

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)

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		539.55		300 100 sks, B		surface;	
								circ. 71sx	
								to surface	
7 7/8"	4 1/2"	10.5		4004.39		660 365sks		surface;	
								circ 125sx	
								to 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 3/8"	3244'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Ojo Alamo	3244	3266	3244-3266	4 jspf	8	Open
B) San Jose	1568	1648	1568-73, 1618-22, 1640-42, 1646-48	4 jspf	52	Open
C) San Jose	1970	1978	1970-1978	2 jspf	16	Open
D) Nacimiento	2120	2130	2120-2130	2 jspf	20	Open

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

Depth Interval	Amount and Type of Material
1568-1978	Frac w/59,200 # 20/40 mesh brady sand, 24,500 # 20/40 mesh super lc sand, 519 bbls gelled water & 212,015 scf N2. 50Q foam/ambormax 1015.
2120-2130	Frac w/22,000 # 20/40 mesh brady sand out of 25,000 # proposed, 152 bw & 76,282 scf N2. 50Q foam/ambormax 1015 & 4 ppg sand.

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
6/25/98	7/14/04	24	☐	0	340	3			Flowing
Choke Size	Tbg. Press. Figw. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
3/8"	107		☐					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. Figw. 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)

RECEIVED
BLM
24 AUG 23 AM 10:53
BLM ALBUQUERQUE, N.M.
ACCEPTED FOR RECORD
SEP 3 0 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
			☐						
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
				Ojo Alamo	3210'
				Kirtland	3450'
				Fruitland	3650'
				Pictured Cliffs	3745'
				Lewis	3835'

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 8/20/04

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.