

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, 2004

5. Lease Serial No.  
Jicarilla Contract # 459

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other **04 FEB 20 AM 10:16**  
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other **010 ALBUQUERQUE, N.M.**

2. Name of Operator

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

3. Address  
350 Indiana Street, 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 1535' FNL & 2255' FEL (SW/NE) Unit G

At top prod. interval reported below 1535' FNL & 2255' FEL (SW/NE) Unit G

At total depth 1535' FNL & 2255' FEL (SW/NE) Unit G

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

22862

8. Lease Name and Well No.

Jicarilla 459-20 No. 7

9. API Well No.

30-039-25786

10. Field and Pool, or Exploratory

Cabresto Canyon, Tertiary OK

11. Sec., T., R., M., on Block and Survey  
or Area Sec. 20, T30N-R03W

12. County or Parish

Rio Arriba

13. State

NM

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

7239' GL

14. Date Spudded

3/16/1998

15. Date T.D. Reached

3/23/1998

16. Date Completed

☐ D & A

☒ Ready to Prod.

6/1/03

18. Total Depth: MD

TVD 4070'

19. Plug Back T.D.: MD

TVD 4021'

20. Depth Bridge Plug Set: MD

TVD

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

Existing

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	0	507'		300 & "B"		surface;	
								circ 93sx	
								to surface	
7 7/8	5 1/2	15.5	0	4065		607 sx		surface;	
								circ 52sx	
								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)
1.9	1685'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose	1692'	1778'	1692-1778	4 jspf	164	
B) Ojo Alamo	3252'	3289'	3252-3289	4 jspf	148	
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
1692-1778	acidize 2500 gal 7 1/2 HCL, Frac 35,000 lbs 12/20 resin coated sand
3252-3289	2750 gal 7 1/2% acid

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
11/3/98	5/29/03	24	<input type="checkbox"/>	0	108	13			Flowing
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"/>					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  
APR 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
				Ojo Alamo	3246'
				Kirtland	3480'
				Fruitland	3669'
				Pictured Cliffs	3776'
				Lewis	3860'

## 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 2/18/2004

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.