

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.
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

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)
720-210-1308

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

At surface 1784' FNL & 994' FEL (SENE) Unit H

At top prod. interval reported below 1784' FNL & 994' FEL (SENE) Unit H

At total depth 1784' FNL & 994' FEL (SENE) Unit H

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

23924

8. Lease Name and Well No.

Jicarilla 30-03-33 SJ No. 3

9. API Well No.

30-039-26034

10. Field and Pool, or Exploratory

Cabresto Canyon, Tertiary

11. Sec., T., R., M., on Block and Survey
or Area
Sec. 33, T30N-R03W

12. County or Parish

Rio Arriba

13. State

NM

14. Date Spudded

10/13/99

15. Date T.D. Reached

10/18/99

16. Date Completed

☐ D & A

☒ Ready to Prod.

4-1-04

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

7127'

18. Total Depth: MD
TVD 2100'

19. Plug Back T.D.: MD
TVD 1964'

20. Depth Bridge Plug Set: MD
TVD

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

DIL/SGRD

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	246.62		120 & III		surface;	
								circ 20 sx	
								to surface	
6 3/4"	4 1/2"	10.5	0	2072.22		300 & 50/50		surface;	
						poz		circ 16 sx	
								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	1515'	N/A						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) San Jose	1559	1565	1559-1565	4 jspf	24	
B) San Jose	1535	1546	1535-1546	2 jspf	22	
C) San Jose	1521	1525	1521-1525	4 jspf		
D) San Jose	980	1340	980-84,1090-94,1247-54,1334-40			

26. Perforation Record

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

Depth Interval	Amount and Type of Material
1521-25, 1535-46, 1559-65	frac w/ 34,000# 20/40 brady sand & 19,000# 20/40 resin coated sand in 148,788 scf N2 & 387 bbls ambormax 1015 fluid.
980-84, 1090-94, 1247-54, 1334-40	acidize w/ 500 gals of 7-1/2% HCl. Frac w/ 31,040# 20/40 brady sand & 17,000# 20/40 resin coated sand in 104,277 scf N2 & 340 bbls ambormax 1015 fluid.

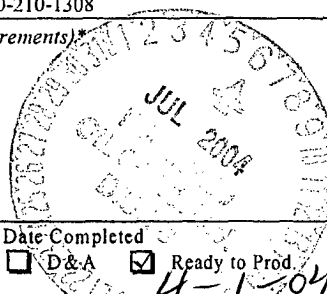
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/15/00	4/1/04	24	<input type="checkbox"/>		117	0			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)



04 MAY 14 PM 1:15
JUL 1 2004
ACCEPTED FOR RECORD
JUL 1 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	Thg 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	Thg 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.)

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 Nacimiento	1506' 2037'

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 5/12/2004

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.