

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 701-98-00131a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_6. If Indian, Allottee or Tribe Name  
Jicarilla Apache Tribe7. Unit or CA Agreement Name and No.  
24252

## 2. Name of Operator

Mallon Oil Co, an indirect wholly-owned subsidiary of Black Hills Exploration &amp; Production, Inc.

8. Lease Name and Well No.

Jicarilla 29-02-29 No. 1

## 3. Address

350 Indiana Street, Suite 400, Golden, CO 80401

## 3a. Phone No.

720-210-4308

9. API Well No.

30-039-26115

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

At surface 1768' FSL &amp; 437' FWL (NWSW) Unit L

At top prod. interval reported below 1768' FSL &amp; 437' FWL (NWSW) Unit L

At total depth 1768' FSL &amp; 437' FWL (NWSW) Unit L

10. Field and Pool, or Exploratory

Fruitland Coal Basin

11. Sec., T., R., M., on Block and Survey  
or Area Sec. 29, T29N-R02W

12. County or Parish

Rio Arriba

13. State

NM

## 14. Date Spudded

9/24/2000

## 15. Date T.D. Reached

12/3/2000

## 16. Date Completed

☐ D & A☒ Ready to Prod.

2/11/04

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

7076' GL, 7088' KB

## 18. Total Depth: MD

TVD 3700' KB

## 19. Plug Back T.D.: MD

TVD 3661' KB

## 20. Depth Bridge Plug Set:

MD

TVD 3432' KB

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

Triple Litho Density, Array Induction

## 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	23	0	237.06'		350' sx & K55, ST&C	35 bbls	surface;	
								circ 13.6	
								to surface	
7 7/8	5 1/2	17	0	3700.30'		725' sx & 50/50 poz		surface;	
								circ 56sx	
								to pit	

## 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	3349' KB	3349' KB						

## 25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	3388'	3418'	3388-3390, 3414-3418	4 jspf		
B)			3400-3410	2 jspf	44 total	
C)						
D)						

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

Depth Interval	Amount and Type of Material
3388'-3418'	Frac w/ 50 Q N2 treated Slickwater with 10,893 mscf N2, 40,210 lbs of 20/40 Brown Brady sand at 0.25-1 lb concentrations.

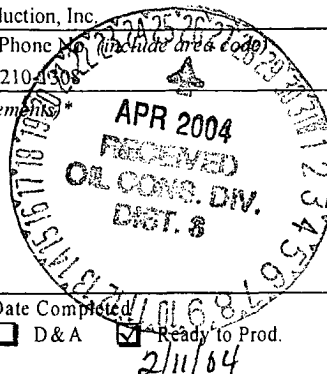
## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	12/18/03	24	<input type="checkbox"/>	0	66	72			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/4			<input type="checkbox"/>					Waiting on Pipeline	

## 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 APR 10 AM 9:57  
OLC ALBUQUERQUE, N.M.ACCEPTED FOR RECORD  
APR 21 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
				Lower San Jose	1345'
				Nacimiento	2078'
				Ojo Alamo	2982'
				Kirtland	3307'
				Fruitland	3373'
				Pictured Cliffs	3445'
				Lewis	3570'

## 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 NewcombTitle Engineering Technician

Signature

Allison NewcombDate 2/19/2004

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.