

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other		5. Lease Serial No. MDA 701-98-0013 Tract 1							
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe							
2. Name of Operator Mallon Oil Company, an indirect wholly-owned subsidiary of Black Hills Exploration & Production		7. Unit or CA Agreement Name and No. n/a							
3. Address 350 Indiana Street, Suite 400 Golden, CO 80401		8. Lease Name and Well No. Jicarilla 29-02-30 No. 1							
3a. Phone No. (include area code) 720-210-1308		9. API Well No. 30-039-27246							
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface 640' FNL & 2165' FEL (NW/NE) Unit B At top prod. interval reported below 640' FNL & 2165' FEL (NW/NE) Unit B At total depth 640' FNL & 2165' FEL (NW/NE) Unit B		10. Field and Pool, or Exploratory Burro Canyon, Tertiary							
14. Date Spudded 9/25/2002		11. Sec., T., R., M., on Block and Survey or Area Sec. 30, T29N-R02W							
15. Date T.D. Reached 9/30/2002		12. County or Parish Rio Arriba							
16. Date Completed ☐ D&A ☒ Ready to Prod. 10-28-03		13. State NM							
17. Elevations (DF, RKB, RT, GL)* 7048' GL									
18. Total Depth: MD TVD 3720' KB		19. Plug Back T.D.: MD TVD 3669' KB							
20. Depth Bridge Plug Set: MD TVD									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Triple Litho-Density, Array Induction SP-GR-Caliper		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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8	24	0'	266.11'		157 & III	32.7	surface:	
								circ 15bbl	
								to surface	
7 7/8	5 1/2	15.5	0'	3712.45' KB		1170 & Prem		surface	
						Lite Hi Str			
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	1865' KB	1865' KB							
25. Producing Intervals				26. Perforation Record					
Formation		TOP	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Nacimiento		1894'	1927'	1894-1896, 1900-1906,		2 jspf	20		
B)				1925-1927					
C) San Jose		1088'	1092'	1088-1092		1 jspf	4		
D) San Jose		1126'	1158'	1126-1158		2	16		
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
1088'-1158'		Frac w/ 50 Mitchell quality N2/Ambormax 10 foam. 184,530 Mscf N2, 90,360 lbs. of 20/40 Super LC sand. 1-4 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
	10/16/03	24	☐		876	36			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/2			☐					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
			☐						
Choke 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)

ACCEPTED FOR RECORD
SEP 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
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
				San Jose	~surface
				Nacimiento	1861
				Ojo Alamo	2842
				Cretaceous	3262
				Fruitland Coal	3386
				Pictured Cliffs	3426
				Lewis Shale	3542

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 2/11/2004

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.