

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry Other										5. Lease Serial No. Jicarilla 459	
b. Type of Completion: <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. DHC-1152 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 E & P, Inc.										7. Unit or CA Agreement Name and No. 22862	
3. Address 350 Indiana Street, Suite 400 Golden, CO 80401										8. Lease Name and Well No. Jicarilla 459-20 No. 12	
3a. Phone No. (include area code) 720-210-1308										9. API Well No. 30-039-25855	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 790' FSL & 1845' FEL (SWSE) Unit O At top prod. interval reported below 790' FSL & 1845' FEL (SWSE) Unit O At total depth 790' FSL & 1845' FEL (SWSE) Unit O										10. Field and Pool, or Exploratory Cabresto Canyon, Tertiary	
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)* 7252'	
14. Date Spudded 5/19/98			15. Date T.D. Reached 5/26/98			16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 6/30/98					
18. Total Depth: MD TVD 4090'			19. Plug Back T.D.: MD TVD 4035'			20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR-DICT, GR-DSN-SDL										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	543'		300 & "B"		surface;			
								circ 116sx			
								to surface			
7 7/8"	5 1/2"	15.5	0	4077'		180 sxs		surface;			
								circ 94 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	3661'	3662'									
25. Producing Intervals											
Formation		TOP	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Ojo Alamo		3276'	3312'	3276-3312		4 jspf	144	cmt squeezed			
B)											
C)											
D)											
26. Perforation Record											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval		Amount and Type of Material									
3276'-3312'		cmt sqz: Load tbg w/8 bw & establish injection rate of 2.5 bpm@500psi. Mix & pump 100 sx class B neat cmt w/0.10gps of FL-7L fluid loss at 3 bpm & 300psi sd wash up pump & lines to pit. Displace tbg w/13 bw at 1 bpm w/pressure increasing to 800 psi. Clear tbg by 1 bbls.									
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		
7/2/98			<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"/>								
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"/>								

ACCEPTED FOR RECORD  
SEP 13 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.)

## 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	3244'
				Kirtland	3482'
				Fruitland	3665'
				Pictured Cliffs	3780'
				Lewis	3865'

## 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 5/11/2004

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.