

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM - 83991	
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resrv., Other _____		6. Indian, Allottee or Tribe Name	
2. Name of Operator NM & O Operating Company		7. Unit or GA Agreement Name and No.	
3. Address 15 E 5th Street, Ste 3000 Tulsa OK 74103		8. Lease Name and Well No. Hill Federal #3	
3a. Phone No. (include area code) 918 584-3802		9. API Well No. 30-039-23801	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 790' FNL & 790' FWL <i>NWNW</i> At top prod. interval reported below At total depth		10. Field and Pool, or Exploratory Blanco - Mesaverde	
14. Date Spudded 09/17/1985		15. Date T.D. Reached 10/05/1985	
16. Date Completed 04/26/2006 ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 7378' GL, 7390' RKB	
18. Total Depth: MD 8100' TVD		19. Plug Back T.D.: MD 8056' TVD	
20. Depth Bridge Plug Set: MD 6840' TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	
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
17.5"	13.375"	68#	Surface	388'		460		Surface	
7.875"	5.5"	15.5, 17#		8099'		1342			

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"	5500'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mancos			5656'-5662'	6844'-7533'	51	Below CI BP ② 6840'
B) Blanco-Mesaverde	5656'	5742'	5656'-5662'		12	Open
C) "			5665'-5685'		40	Open
D) "			5734'-5742'		16	Open

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

Depth Interval	Amount and Type of Material
5656'-5742'	1000 gal HCL & 90 Big Balls - Acid Job
5656'-5742'	50,520 lbs 20/40 sand, 60,956 gals total volume - Frac Job

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
04/26/2006	04/26/2006	24	→	11	288	105			Flowing
Choke Size	Tbg. Press. Flwg. SI	Cog. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/4	SI 520	1380	→						

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	Cog. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

*(See instructions and spaces for additional data on page 2)

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ACCEPTED FOR RECORD

JUN 23 2006

FARMINGTON FIELD OFFICE
BY *[Signature]*

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
Ojo Alamo	3160'				
Fruitland	3333'				
Pictured Cliffs	3456'				
Chacra	4246'				
Cliff House	5178'				
Point Lookout	5638'				
Mancos-Gallup	6868'				
Greenhorn	7755'				
Graneros	7832'				
Dakota	7936'				
Total Depth	8100'				

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ 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) Scott BehmTitle Operations Analysis and Control ManagerSignature Scott BehmDate May 31, 2006

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.

ACCEPTED FOR RECORD

JUN 23 2006

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FARMINGTON FIELD OFFICE
BY ASH