

Form 3160-4  
(August 1999)

DEC 08 2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137

Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMSF 078481A1a. Type of Well ☐ Oil ☒ Gas ☐ Dry ☐ Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

M&amp;G Drilling Company c/o Walsh Engineering

8. Lease Name and Well No.

Graham #100S

3. Address

7415 E. Main St. Farmington, NM 87402

3a. Phone No. (include area code)

(505) 327-4892

9. API Well No.

30-045-35180 0051

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface

1110' FNL and 1760' FEL, (B) Section 3, T27N, R8W

10. Field and Pool, or Exploratory

Basin Fruitland Coal

At top prod. interval reported below

Farmington Field Office  
Bureau of Land Management

11. Sec., T., R., M., or Block and

Survey or Area Sec 3, T27N, R8W

12. County or Parish

San Juan

13. State

NM

At total depth

14. Date Spudded

10/15/10

15. Date T.D. Reached

10/24/79

16. Date Completed

☐ D & A ☒ Ready to Prod.  
12/01/10

17. Elevations (DR, RKB, RT, GL)\*

5896' GL

18. Total Depth: MD 2296'  
TVD 2296'19. Plug Back T.D.: MD 2256'  
TVD 2256'20. Depth Bridge Plug Set MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Cased Hole Neutron & GR/CCL22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐  
Directional Survey? ☐ No ☒ Yes (Submit)

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
8-3/4"	7" J	20	0	126'		61 sx (82 cu.ft.)	14.6	Surface	
6-1/4"	4-1/2" J	10.5#	0	2276'		181 sx (391 cu.ft.)	89.7		
						& 75 sx (104 cu.ft.)	18.5	Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-3/8"	2177'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	2151	2184	2151' - 2184'	.5"	63	Open
B) Basin Fruitland Coal	2038	2096	2038' - 2096'	.5"	36	Open
C)						
D)						

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

Depth Interval	Amount and type of Material
2151' - 2184	500 gal 15 % HCl, 504 bbls x-linked gel, 661,000 SCF N2, w/ 100,000# 20/40 Brady
1974' - 2012'	1000 gal 15 % HCl, 320 bbls x-linked gel, 463,100 SCF N2, w/ 60,000# 20/40 Brady

28. Production - Interval A

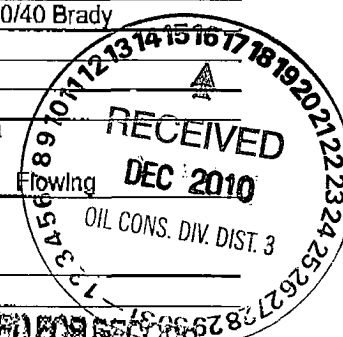
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/01/10			→						Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press. 400 SI	24 Hr. Rate	Oil BBL	Gas MCP	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

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.	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCP	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

OPERATOR

DEC 06 2010  
FARMINGTON FIELD OFFICE

## 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. Flowg. 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. Flowg. 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.)

## 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 Fruiland Pictured Cliffs	995 1864 2188				

## 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. Oil        |                       |

## 36. 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) Paul C. Thompson, P.E.Title Agent

Signature

Paul C. ThompsonDate 12/1/2010

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.