

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*

RECEIVED

2004 JAN 29 AM 10

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.  
NM-05791  
6. If Indian, Allottee or Tribe Name  
7. Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
GRAHAM #96

9. API Well No.  
30-045-25528

10. Field and Pool, or Exploratory Area  
Otero Chacra

11. County or Parish, State  
San Juan, New Mexico

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other  
2. Name of Operator  
M & G DRILLING COMPANY INC c/o ROBERT L. BAYLESS, PRODUCER LLC  
3a. Address  
PO Box 168, Farmington, NM 87499  
3b. Phone No. (include area code)  
(505) 326-2659  
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FSL, 915' FEL, Sec. 10, T27N, R08W

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input checked="" type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**M&G Drilling propose to plug and abandon this well per the attached procedure.  
P&A work will be completed by March 15, 2004.**



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

KEVIN MCCORD

Title

PETROLEUM ENGINEER

Signature

Date

January 27, 2004

LOCAL OR STATE OFFICE USE

Original Signed: Stephen Mason

Approved by

Title

Date

JAN 30 2004

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operation thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

submitted in lieu of Form 3160-5

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Sundry Notices and Reports on Wells**

<b>1. Type of Well</b> Gas	<b>5. Lease Number</b> NM - 05791
	<b>6. If Indian, All: or Tribe Name</b>
	<b>7. Unit Agreement Name</b>
<b>2. Name of Operator</b> M&G Drilling Company	
<b>3. Address &amp; Phone No. of Operator</b> PO Box 2406, Farmington, NM 87499 (505) 326-2659	<b>8. Well Name &amp; Number</b> Graham #96
	<b>9. API Well No.</b> 30-045- 25528
<b>Location of Well, Footage, Sec., T, R, M</b>  Unit P; 990' FSL and 915' FEL, Section 10, T-27-N, R-8-W, NMPM	<b>10. Field and Pool</b> Otero Chacra
	<b>11. County &amp; State</b> San Juan County, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

**13. Describe Proposed or Completed Operations**

M&G Drilling propose to plug and abandon this well per the attached procedure.

P&A work will be completed by March 15, 2004.

**14. I hereby certify that the foregoing is true and correct.**

Signed Kevin H. McCord Title Agent Date 1/27/04

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

## PLUG AND ABANDONMENT PROCEDURE

### Graham #96 – Chacra

990' FSL & 915' FEL, Section 10, T-27-N, R-8-W

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
1/27/2004

**Note:** All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and M&G safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 1-1/2" tubing, total 3141'. Visually inspect and if necessary use a workstring. Round-trip 4-1/2" gauge ring or casing scraper to 3096'.
3. **Plug #1 (Chacra Perforations and top, 3096' – 2996')**: TIH and set a 4-1/2" cement retainer at 3096'. Pressure test tubing to 1000#. Sting out of retainer. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as necessary. Mix 12 sxs cement and spot a balanced plug inside casing above the CR up to 2996' to isolate the Chacra interval. PUH to 2250'.
4. **Plug #2 (Fruitland and Pictured Cliffs tops, 2250' – 1910')**: Mix 29 sxs cement and spot a balanced plug inside casing to cover the Fruitland and Pictured Cliffs tops. PUH to 1490'.
5. **Plug #3 (Kirtland and Ojo Alamo tops, <sup>1521</sup>1490' – <sup>1276</sup>1280')**: Mix 20 sxs cement and spot a balanced plug inside casing to cover the Kirtland and Ojo Alamo tops. PUH to 275'.
6. **Plug #4 (275' - Surface)**: Pressure test the bradenhead annulus to 300#. If then BH tests, then establish circulation out casing valve. Mix and spot approximately 25 sxs cement from 275' to surface, circulate good cement out the casing valve. TOH and LD tubing. Shut in well and WOC.  
If able to pump into the bradenhead then perforate the 4-1/2" casing at 275' with 2 holes. Establish circulation to surface out bradenhead with water. Mix approximately 100 sxs cement and pump down the casing to circulate cement to surface out the bradenhead valve. Shut in well and WOC.
7. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Graham #96

Current

Otero Chacra

990' FSL & 915' FEL, Section 10, T-27-N, R-8-W, San Juan County, NM

Long: \_\_\_\_\_ / Lat: \_\_\_\_\_, API #30-045-25528

Today's Date: 1/27/04

Spud: 1/2/83

Completed: 9/8/83

Elevation: 5986' KB

12-1/4" hole

Cement Circ to Surface  
per Sundry

8-5/8" 24# Casing set @ 225'  
Cement with 171 cf (Circulated to Surface)

## WELL HISTORY

Dec '03: Bradenhead test: has  
pressure.

Ojo Alamo @ 1330'  
(est)

Kirtland @ 1440'  
(est)

Fruitland @ 1960'  
(est)

Pictured Cliffs @ 2200'

1-1/2" Tubing at 3141'

Chacra @ 3144'

Chacra Perforations:  
3146' - 3186'

7-7/8" Hole

4-1/2" 11.6#, Casing set @ 3280'  
Cement with 1729 cf  
Circulate cement to surface

TD 3320'  
PBTD 3202'

# Graham #96

## Proposed P&A

Otero Chacra

SE, Section 10, T-27-N, R-8-W, San Juan County, NM

Long: \_\_\_\_\_ / Lat: \_\_\_\_\_, API #30-045-25528

Today's Date: 1/21/04

Spud: 1/2/83

Completed: 9/8/83

Elevation: 5986' KB

12-1/4" hole

Ojo Alamo @ 1330'  
(est)

Kirtland @ 1440'  
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(est)

Pictured Cliffs @ 2200'

Chacra @ 3144'

7-7/8" Hole

Cement Circ to Surface  
per Sundry

8-5/8" 24# Casing set @ 225'  
Cement with 171 cf (Circulated to Surface)

Plug #4: 275' – Surface  
Cement with 25 sxs

Plug #3: 1490' – 1280'  
Cement with 20 sxs

Plug #2: 2250' – 1910'  
Cement with 29 sxs

Set CR @ 3096'

Plug #1: 3096' – 2996'  
Cement with 12 sxs

Chacra Perforations:  
3146' – 3186'

4-1/2" 11.6#, Casing set @ 3280'  
Cement with 1729 cf  
Circulate cement to surface

TD 3320'  
PBTD 3202'