

RECEIVED

JAN 15 2015

Farmington Field Office  
Bureau of Land Management

Submitted in lieu of Form 3160-5

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

OIL CONS. DIV DIST. 3

JAN 25 2016

1. **Type of Well** Gas

2. **Name of Operator**  
M&G Drilling Company, Inc.

3. **Address & Phone No. of Operator**  
PO Box 5940, Farmington, NM 87499

**Location of Well, Footage, Sec., T, R, M**  
990' FSL and 100' FEL, Section 10, T27N, R08W

5. **Lease Number**  
NMSF-078481A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**  
Graham #53A

9. **API Well No.**  
30-045-06702

10. **Field and Pool**  
Blanco Mesaverde

11. **County & State**  
San Juan, NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA****Type of Submission****Type of Action**☐ Notice of Intent☒ Abandonment☐ Change of Plans☒ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☒ Other - Monitoring

ACCEPTED FOR RECORD

JAN 21 2016

**13. Describe Proposed or Completed Operations**

Approved as to plugging  
of the well bore. Liability  
under bond is retained until  
surface restoration is completed.

FARMINGTON FIELD OFFICE  
BY: *[Signature]*

Well was mostly plugged and abandoned per the attached procedure on 12/21/15. No marker set yet.

Please note the surface plug was not set because after perforating at 273', gas pressure was observed on the 5-1/2" casing, the 5-1/2" x 8-5/8" intermediate casing annulus and the 8-5/8" x 13-3/8" bradenhead annulus.

It was verbally approved for the well to vent. Additionally, the well will be shut in once a month for a 24 hour shut in pressure reading.

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

Signed *David Hinson* Title Production Foreman Date January 12, 2016  
David Hinson

(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.

NMOCDN



JAN 15 2015

**A-PLUS WELL SERVICE, INC.**

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \*fax: 505-325-1211

Farmington, New Mexico  
Bureau of Land Management

M&G Drilling Company, Inc.  
**Graham #53A**

December 21, 2015  
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990' FSL and 100' FEL, Section 10, T-27-N, R-8-W  
San Juan County, NM  
Lease Number: NMSF-078481  
API #30-045-06702

**Plug and Abandonment Report**  
Notified NMOCD and BLM on 12/10/15

**Plug and Abandonment Summary:**

- Plug #1** with CR at 4160'; spot 69 sxs (81.42 cf) Class B cement from 4160' to 3566' to isolate the Mesaverde top and perms. WOC overnight and then TIH and tag TOC at 3582'.
- Plug #2** with squeeze holes at 3078' and CR at 3030'; mix and pump 53 sxs (62.5 cf) Class B cement with 2% CaCl<sub>2</sub> from 3078' to 2884' to cover the Chacra top: 1) pump 36 sxs below CR (6 sxs inside and 30 sxs outside 5-1/2" casing), 2) sting out CR and leave 17 sxs from 3030' to 2884'. WOC and then TIH to tag TOC at 2842'.
- Plug #3** with squeeze holes at 2120' and CR at 2081'; mix and pump 160 sxs (188.8 cf) Class B cement from 2120' to 1659' to cover the Pictured Cliffs and Fruitland tops: 1) pump 111 sxs below CR at 2081' (5 sxs inside and 106 sxs outside 5-1/2" casings), 2) sting out and leave 49 sxs above CR up to 1659'. WOC and tag at
- Plug #4** with squeeze holes at 1365' and CR at 916'; mix and pump 105 sxs (123.9 cf) Class B cement from 1365' to 1031' to cover the Kirtland, 8-5/8" surface shoe and Ojo Alamo tops: 1) pump 72 sxs below CR (6 sxs inside and 66 sxs outside 5-1/2" casing) with no circulation out 8-5/8" intermediate valve or 13-3/8" bradenhead valve; 2) sting out CR and leave 33 sxs from 1315' to 1031'. Did not tag because the 5-1/2" casing pressure tested OK.
- Note:** **Surface plug not set because there is gas pressure on the bradenhead and 8-5/8" intermediate annuli. Will vent till pressure dissipates.**

**Plugging Work Details:**

- 12/14/15 Rode rig to location. LO/TO equipment. RU. Check well pressures: SITP 100 PSI, SICP 50 PSI, SIBHP 5 PSI. ND wellhead tree. RU relief lines. Blow well down. Tubing not dead. Side of wellhead dug out and no 13-3/8" casing found. Pump 17 bbl. down tubing. Tubing on vacuum. ND wellhead. NU and function test BOP. PU on tubing string. Found packer in compression, TOH and LD 1 joint 2-3/8" tubing and 6' sub. TOH 130 joints 2-3/8" tubing, 5-1/2" Arrow set packer, 2 joints tubing, SN and 1 anchor joint with saw tooth collar. Total of 142 joints 2-3/8" tubing total, 4347.99'. SI well. SDFD.
- 12/15/15 Check well pressures: SICP 5 PSI and SIBHP 0 PSI. RU relief lines. Function test BOP. RU A-Plus wireline. RIH with 3.20" GR to 4" liner top at 4196', unable to get in 4" casing. Note: D. Priddy and J. Savage, BLM, B. Powell, NMOCD approved procedure change to set CR above liner. TIH and set 5-1/2" DHS CR at 4160'. Pressure test tubing to 800 PSI, held OK. Circulate well clean. Attempt to pressure test casing, establish rate of 2 bpm at 200 PSI. Ran CBL from 4160' to surface, found TOC in annulus at 3268'. SI well. SDFD.



**A-PLUS WELL SERVICE, INC.**

505-325-2627 \*fax: 505-325-1211

Farmington  
BureauM&G Drilling Company, Inc.  
Graham #53ADecember 21, 2015  
Page 2 of 2**Plugging Work Details (continued):**

- 12/16/15 Check well pressures: tubing and casing 0 PSI and bradenhead 5 PSI. Attempt to pressure test casing, establish rate of 2 bpm at 300 PSI. Sting into CR and attempt to establish rate below CR; pressure up and held 1500 PSI. Attempt multiple times; unable to get rate below CR. Note: D. Priddy and J. Savage, BLM and B. Powell, NMOCD approved procedure change. Spot plug #1 with calculated TOC at 3566'. SI well. SDFD.
- 12/17/15 Check well pressures: SICP 25 PSI and SIBHP 35 PSI. TIH and tag TOC at 3582'. Attempt pressures test casing; establish rate of 2 bpm at 300 PSI. Perforate 3 HSC squeeze holes at 3078'. TIH and set DHS CR at 3030'. Pressure test tubing to 1500 PSI, OK. Attempt pressure test casing above CR, establish rate of 2 bpm at 400 PSI. Sting in CR and establish rate of 2 bpm at 500 PSI. Circulate out 5-1/2" casing valve. Set plug #2 with calculated TOC at 2884'. SI well and WOC. TIH and tag plug #2 at 2842'. Attempt pressure test casing; establish rate of 3 bpm at 400 PSI. RU wireline, miss run. SI well. SDFD.
- 12/18/15 Check well pressures: SICP and SIBHP 5 PSI. Perforate 3 HSC squeeze holes at 2120'. TIH and set 5-1/2" DHS CR at 2081'. Pressure test casing to 800 PSI above the CR, OK. Establish rate of 2 bpm at 500 PSI below CR. Set plug #3 with calculated TOC at 1659'. Pressure test casing to 800 PSI, OK. Perforate 3 HSC squeeze holes at 1365'. Establish rate of 1 bpm at 800 PSI into squeeze holes. TIH with 5-1/2" DHS CR. While TIH with CR, well unloaded out both the tubing and casing with gas and water; let well blow down to pit. Dig out deeper around wellhead and found 13-3/8" casing about 4' below casing head. Recorded 20 PSI on the Bradenhead annulus; blew down in 1 second. Install 2" piping to bring the BH valve to surface. Set Cr at 1315' and then circulate 5-1/2" casing clean 33 bbl. Pressure test casing to 800 PSI, OK. Sting into CR and establish rate of 3 bpm at 800 PSI with no circulation out the 8-5/8" intermediate valve or BH valve. (Note: prior morning well pressures were taken on the 5-1/2" casing and the 8-5/8" intermediate casing valve, not the bradenhead annulus as reported). Set plug #4 with calculated TOC at 1031'. TOH and LD all tubing. Did not tag because the casing pressure tested OK. Perforate 4 HSC squeeze holes at 273'. Establish rate through perfs 1 bpm at 900 PSI. Establish circulation. Pump 15 bbl. to circulate heavy drill mud out the 8-5/8" casing valve. SI 13-5/8" casing valve and pump 5 bbl. to clear heavy mud from 8-5/8" casing valve, moved heavy mud to waste pit. Open 8-5/8" and 13-3/8" casings to pit. Pump 55 bbl. (75 bbl. total) with circulation out both the 8-5/8" and 13-3/8" casing valves - returns not fully cleaned up. SI well. SDFD.
- 12/21/15 Check well pressures: 5-1/2" casing 140 PSI, 8-5/8" and 13-3/8" BH 50 PSI. Light blow on each for 5 minutes. SI well 30 minutes: 5-1/2" - 14#, 8-5/8" - 24#, 13-3/8" - 16#. Open well to pit each blew down within 2 secs, 13-3/8" casing making small amount of water, light blow on each. ND BOP and NU wellhead. Continue to monitor light blow. Note: D. Priddy and J. Savage, BLM and B. Powell, NMOCD approved to monitor flow/blow on wellhead and cement at later date. RU pump to 5-1/2" casing valve and pump 1 bbl. circulate out 8-5/8" and 13-3/8" casing valves. SI 13-3/8" casing and pump 45 bbl. to circulate 8-5/8" casing clean. SI 8-5/8" casing and open 13-3/8" casing. Pump 90 bbl. returns out 13-3/8" casing tinged with drill mud. RD and SI well. Remove LO/TO. MOL.

David Hinson, M&G representative, was on location.  
Darrell Priddy, BLM representative, was on location.