

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

M & G Drilling

OGRID 141852

3a. Address

P.O. Box 2406 Farmington, NM 87499

3b. Phone No. (include area code)

505-566-3725

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter J, 1725' FEL, 1775' FSL, Sec. 10, T27N, R08W

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

NM-005791

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Graham # 51A

9. API Well No.

30-045-21733

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan, NM

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 checked="" type="checkbox"/> Other Pay Add
	<input type="checkbox"/> Change Plans <input 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 Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 recompleation 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.)

We propose to add the ~~chance~~ and menefee to the existing point lookout in this mesaverde gas well. Both new pay zones will be perfd and fraced as per the attached procedure and wellbore diagram.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

RECEIVED
2003 OCT -6 PM 2:14
070 Farmington, NM

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

Name (Printed/Typed)

Thomas E. Mullins (PMP)

Title

Engineering Manager

Signature

Date

October 3, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

/s/ Jim Lovato

Title

Date

OCT 23 2003

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 operations thereon.

Office

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

NMOCD

M & G DRILLING
GRAHAM #51A MV
J Sec. 10 – T27N – R8W, San Juan County, New Mexico
1725' FEL & 1775' FSL

MENEFEE PAYADD

GENERAL

Notify BLM (Farmington) and NMOCD of the commencement of workover activities. Comply to all company and regulatory safety and environmental requirements. Designate a smoking area on location. L&R Oilfield Services should perform NM One Call and move production facilities, if necessary.

Well facilities in place, include: a 210 bbl oil production tank, a steel small volume pit, a Production unit, and a 4" EPNG meter run, dehy, and steel small volume pit. The well is producing with a Universal Gemini wellhead compressor. Line pressure is about 150 psi.

1. MOL & RU, test anchors, set pump, blow pit, 4 frac tanks & equipment. Record tbg, csg, & bradenhead pressures.
2. Blow well down. If necessary, kill well w/ water or set blanking plug in SN of 1-1/2" tbg @ 4495'. **All water to be 2% KCL (Key Energy).**
3. ND WH, NU BOP. Repair wellhead & valves as necessary.
4. TOOH w/ 1-1/2" tbg & lay down.
5. Pick-Up 3-7/8" bit, 4-1/2" 10.5" casing scraper, on new 2-3/8" tbg. TIH to 4380'. TOH.
6. Set composite BP @ 4370'. Use rig pump to load hole.
7. MI wireline & run an advanced integrated data processing GSL neutron log 4370'-3600' & correlate to existing CBL log.
8. Fill 4-400 bbl frac tanks with 2% KCL water. If necessary, filter all water to 25 microns. Three tanks are for frac & one tank for breakdown water. Usable water required for frac is 881 bbls.
9. TIH w/2-3/8" tbg open ended to 4363'. Spot a balanced plug of 250 gal 15% HCL acid across Menefee interval ~4363'-4000'.
10. Install tree saver & pressure test BP & 4-1/2" csg to 3500 psi.

MENEFEE:

11. TIH w/ 3-1/8" HSC select fire gun, using GSL log perf Menefee (top down) from about 4001'-4363' w/ 20-0.31" holes. Perf w/12 gr SCS 301 jets that should give 22" of penetration in concrete. The following approximate intervals should be covered: 4001', 4018'-24', 28', 33', 44', 52', 90', 4100', 4158'-78', 4209', 4218'-52', 4280'-94', 98', 4309', 21', 63'.

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J Sec. 10 – T27N – R8W, San Juan County, New Mexico
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12. TIH w/ 4-1/2" fullbore pkr on 2-3/8" tbg & set below TOC @ about 3940'.
13. RU pump truck. Breakdown & attempt to balloff Menefee w/ 1,000 gallons of 15 % HCl and 50 – 1.3 sp gr 7/8" perf balls. Max. pressure = 4000 psi. TIH to BP @ 4370' to knock off balls. TOH w/pkr & 2-3/8" tbg. Install tree saver & prepare to frac.
14. Frac Menefee down 4-1/2" csg w/ 77,000 gals of 60Q 20# linear gel N2 foam & 110,000# 20/40 Brady sand. Pump @ 50 BPM. Sand to be tagged w/ 3 RA tracers. Max pressure is 3500 psi. Treat per the following schedule and flush to 200' above top perf w/foam.

<u>STAGE</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
PAD	20,000	8,000	0#
0.5 ppg	5,000	2,000	2,500#
1.0 ppg	15,000	6,000	15,000#
1.5 ppg	20,000	8,000	30,000#
2.0 ppg	20,000	8,000	40,000#
2.25 ppg	10,000	4,000	22,500#
Flush (estimated)	<u>(2,546)</u>	<u>(1,019)</u>	<u>0#</u>
	90,000 gals	36,000 gals	110,000#

15. Shut-in well for 2 hours for gel to break. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed.
16. Rig down isolation tool. TIH w/3-7/8" bit on 2-3/8" tbg & CO Menefee frac w/air/mist to BP @ 4370'.
17. When wellbore is sufficiently clean, drill BP @ 4370' & CO Point Lookout w/air/mist to PBTD 4568'.
18. When wellbore is sufficiently clean, TOH and run after frac GR log (4530'-3900').
19. Rabbit in hole w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to PBTD 4568'. When wellbore is sufficiently clean, land tbg @ 4400'. If necessary, place pump-out plug in SN.
20. NDBOP & NUWH. If necessary, pump out plug & blow well around. Complete as a single MV.

EQUIPMENT & VENDORS LIST

ITEM:	VENDOR	PHONE #
RIG:	A-PLUS WELL SERVICES	505-325-2627

M & G DRILLING
GRAHAM #51A MV
J Sec. 10 – T27N – R8W, San Juan County, New Mexico
1725' FEL & 1775' FSL

MENEFEE PAYADD

Pertinent Data Sheet

10/2/03

Field: Blanco Mesaverde **Elevation:** 5907' GL **TD:** 4595'
Spud Date: 5/1/75 KB=?? **PBTD:** 4568'
Completion Date: 5/28/75 **API#:** 30-045-21733 **LEASE:** Fed. NM-005791
LAT: 36.5861700 **LONG:** 107.6657000

CASING PROGRAM:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>TOC</u>
12-1/4"	8-5/8"	24# N/A	218'	250 sx	Surface (Calc.75%)
7-7/8"	4-1/2"	10.5# N/A	4595'	300 sx	3924' -CBL
		DV@	2300'	600 sx	Circ. Cmt

Tubing Record:

1-1/2" 1.9# J-55 4526' w/SN 1 jt off bottom, Total 141 jts

Formation Tops:

Ojo Alamo	300'
Pictured Cliffs	2100'
Cliffhouse	3780'
Menefee	e3848'
Point Lookout	4380'

Logging Record: CBL

Stimulation: Spotted 500 gal acid. Perfed 4450'-4530' w/1 spf & 4380'-4450' w/1 sp2f. Total 115 holes. Fraced w/160,000# sand in 200,000 gal water & dropped balls.

Workover History: 6/28/00: Tag fill @ 4661'. Acidize w/150 gal 15% HCL. CO w/3-7/8" bit & air/mist to 4568'. Landed 1-1/2" tbg @ 4526'.

Production History: 1st delivery in 8/75. Cum gas = 1,122 MMCF. Current capacity is 80 MCF/D. ISICP=1036 PSIG

DIRECTIONS TO WELL: From Farmington, go west on US 64 through Bloomfield and Blanco. From the SJ River on the east side of Blanco go 1/2 mile to CR 4450 (Largo road) and turn right (south). Go 12 miles to Blanco wash crossing & turn left (east) & cross the wash (Do not cross if wash is running). Just past Blanco wash crossing turn right (south) and go 1.7 miles to location.

Current
Blanco Mesaverde
(J) Section 10, T-27-N, R-08-W, San Juan County, NM

Lat N 36.5861700 / Long W -107.6657000

Today's Date: 9/18/03
 Spud: 5/1/75
 Completed: 5/28/75
 Elevation: 5907' GL
 7299' KB

Ojo Alamo @ 300'

Pictured Cliffs @ 2100'

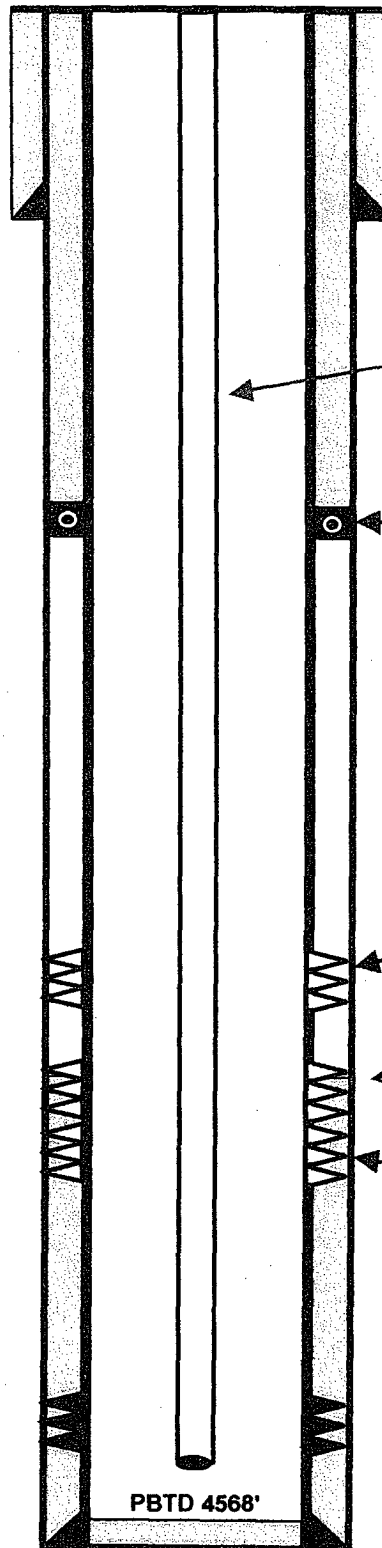
Cliffhouse @ 3780'

Menefee @ e3848'

Point Lookout @ 4380'

12-1/4" hole

7-7/8" hole



8-5/8" 24# Csg @ 218'
 Cmt w/250 sxs (Circulated to Surface)

1-1/2" tbg @ 4526', (Total 114 joints)
 SN 1 jt above bottom

DV Tool @ 2300'
 Cmt with 600 sx.
 Circ. Cmt to Surface

Proposed Cliffhouse perfs
 @ 3780'-3814'

TOC @ 3924' - CBL

Proposed Menefee perfs
 @ 3910'-4363'

Perfed Point Lookout @ 4380'-4530' &
 fraced w/160,000# sand in water

4-1/2" 10.5# Csg @ 4595'
 Cmt with 300 sx

PBTD 4568'

TD 4595"