

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

M & G Drilling Company, Inc.

OGRID # 141852

3. Address and Telephone No.

PO Box 2406 (505) 566-3725
Farmington, NM 87499

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

1550' FSL & 970' FWL Sec 35, T27N, R08W
Unit Letter L

5. Lease Designation and Serial No.

NM-103603-A 03603A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Hammond # 47R

9. API Well No.

30-045-22759

10. Field and Pool, or Exploratory

Blanco Mesaverde (Gas)

11. County or Parish, State

San Juan County
New Mexico

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other PAY ADD

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including, estimated date of starting work.
If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones of pertinent to this work.

M&G Drilling plans to add the Meneffe formation to the existing Pt. Lookout per the attached procedure.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

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

Signed:

Thomas E. Mullins

Title:

Consultant for M&G Drilling

Date:

10-03-2003

This space for federal or state office use

Approved by:

Conditions of approval if any

Title:

Date:

M&G Drilling Company, Inc.
Hammond # 47R
Lease NM-03603A (160 Acres)
SW/4-Sec 35-T27NR08W
API # 30-045-22759

Directions to the Wellsite (Hammond # 47R):

Take Hwy 64 East from Bloomfield. After passing through the town of Blanco, and crossing the San Juan River. Turn South (Right) on CR-4450 (aka Largo Road). Travel South on the main Road, Crossing 4 mile bridge and the 7.5 Mile bridge. Continue to travel south a total of 18.1 miles +/-, until reaching the dead(live ?) cottonwood tree on the left hand side of the road. Turn Right (West) at the cottonwood, and travel 1.3 miles west to the fork in the road, take the left fork (South), and travel 0.5 miles up the steep hill. You will pass an abandoned well location on your left (# 47).

Notify BLM (Farmington) and NMOCD of the commencement of completion activities. Comply with all company and regulatory safety and environmental requirements. Designate a smoking area on location.

Well facilities in place, include: a 400 bbl oil production tank, 2 – steel small volume pits, a 4" EPFS Meter Run, a EPFS Dehy, an M&G Separator. Line pressure is approximately 160 psi.

8-5/8" 24" K-55 Casing @ 336', 12-1/4" hole cemented to surface.

4-1/2" 10.5# K-55 Casing 4914', (DV Tool @ 2500') Cement Circulated.

2-3/8" 4.7# J-55 EUE Tubing @ 4693' (148 jts) in the well, (31.71' +/- ave)

SN up one jt off bottom.

Pt. Lookout perms from 4618' to 4623', 4628' to 4632', 4637' to 4651', 4667' to 4671', and 4695' to 4701' (Total 68 holes).

Current PBTD @ 4777' (KB)

- 1) MIRU Slickline company. While well is flowing. RIH w/ gauge ring tag SN. Run flowing gradient pressure survey. Shut-in well 1 hr. POOH w/ slickline.
- 2) L&R Oilfield Services, Perform NM One Call.
- 3) Company man/rig pusher spot rig direction, and location of workover pit.
- 4) Install and Test Rig Anchors. L&R roustabout, Dig Flowback Pit, Fence & Line per specifications.
- 5) Spot and fill two (2) – 400 bbl frac tanks with 2% KCl water for all completion activities.
- 6) Lockout, Tagout surface equipment and blowdown well just as rig is arriving on location.
- 7) MIRU workover rig, with auxiliary equipment.
- 8) Check pressures on the WH, Bradenhead, Casing, & Tubing. Blow down casing as necessary to workover pit. ND WH. NU BOPE. Pressure and Function Test Equipment.
- 9) Unseat Tubing and remove hanger. Kill tubing if necessary w/ treated water.
- 10) COOH with 2-3/8" tubing from 4683' (148 jts), visually inspect pins and boxes. If corrosion is present, then lay down bad joints. Tally out of the hole.

- 11) PU 4-1/2" 10.5# casing scraper and GIH on 2-3/8" tubing, through all perforations, bottom perf is at 4701'. COOH, and laydown scraper.
- 12) PU 4-1/2" 10.5# CIBP on 2-3/8" tubing. GIH with tubing. Set CIBP at 4595' +/-, note top perf is at 4618'.
- 13) Load 4-1/2" casing from bottom with 2% KCl water and PT 4-1/2" casing and WH equipment to 3000 psi, or 2000 psi as limited by WH valves. COOH w/ setting tool.
- 14) ND Stripping rubber. RU Blue Jet w/ packoff.
- 15) GIH w/ GR-CCL-CBL and run bond log from CIBP (4595' to surface). Identify cement tops. Log w/ 500 psi pressure.
- 16) RIH w/ 3-1/8" HSC Select fire perforating gun, loaded 1 SPF, (0.31" dia holes). Perforate Menefee bottom 2 charges, with 750 psi on casing (rig pump). Correlate recent GR-CBL with Schlumberger Openhole GR-Neutron-Density Density log 10-27-77. POOH w/ gun.

4576', 4575', 4508', 4502', 4497', 4442', 4436', 4428', 4421', 4380', 4378', 4331', 4330', 4310', 4301', 4296', 4274', 4266', 4258' (Total: 19 holes)

- 17) PU 4-1/2" fullbore PKR and GIH on 2-3/8" tubing. Set PKR @ 4540'.
- 18) RU BJ Services Acid Frac w/ 1000 gallons 15% HCl acid and positive injection ball gun, loaded with 40 - 7/8" RCN 1.3 SG ball sealers.
- 19) Test pump and lines to 5000 psi. Breakdown bottom two (2) perforations at 4575' and 4576' with 2% KCl water.
- 20) Release PKR, and move PKR uphole. Reset PKR @ 3800' and place 500 psi on annulus with rig pump.
- 21) BJ Services, Test pump and lines, and breakdown and acidize new Menefee perforations with 1000 gallons 15% HCl. Pump 1 bbl acid ahead followed by dropping 1 ball sealers every bbl of acid, spinning out the ball gun after going to displacement. Flush with 2% KCl water. Ball-Off Perforations to 3800 psi. Maximum Treating Pressure 3,800 psi on ball-off. Release Pressure.
- 22) Release PKR and GIH knocking ball sealers past all perforations.
- 23) COOH with PKR.
- 24) RU WSI Machine and supply 4-1/2" isolation tool, with immediate flowback valving.
- 25) MIRU BJ Services Stimulation Crew. Gel One (1) tank to 40 lb linear gel (powdered). Tanks will be blended at blender manifold. Hydraulically Stimulate New Menefee Perforations down the casing with a 60 Quality 20# Linear Nitrogen Foam. Pump 50,000 lbs of 20/40 brady and tail with 20,000 lbs 20/40 Super LC proppant. Pump Treatment at 40 BPM Foam rate. Maximum Treating Pressure to be 3800 psi. Flush well half foam 60Q, and half 2% KCl water. See recommended attached treatment schedule. SD. Record ISIP. Open well on immediate Flowback on 1/2" positive choke to flowback pit. RD BJ Services.
- 26) Continue Flowback on 1/2" choke for 36 hrs+/- . Record final flowing production gauge. Shut-in well overnight.
- 27) Record SICP. Blow down well. Kill well w/ 2% KCl water. ND Isolation tool.
- 28) PU 3-7/8" workover bit, bit sub w/float, and GIH on 2-3/8" tubing.
- 29) Clean out sand fill to CIBP at 4595', and Drill CIBP. Bottom Perf Cleanout well to PBTD (4777' minimum).
- 30) COOH w/ bit and 2-3/8" tubing.

- 31) GIH w/ production tubing string, run as follows. Expendable Check, 1 Jt 2-3/8", SN, and remaining 2-3/8" tubing.
- 32) GIH and check for sand fill. Clean out fill with air package to PBTD.
- 33) Pull up and land 2-3/8" tubing string at 4650' +/-.
- 34) ND BOPE, NU WH.
- 35) Pump 3 bbls water, drop ball, and pump off expendable check, Flow well up casing and up tubing for 1 hr while rigging down, to remove air from gas stream.
- 36) Connect wellhead to sales. Return well to sales with compressor.

Contact List

PT, Acid, & Stimulation	BJ Services	(505) 327-6222
Wellhead, Isolation Tools	WSI Machine	(505) 326-0308
DH Tools	Baker Oil Tools	(505) 325-0216
Perforating Services	Blue Jet	(505) 325-5584
Supervision (Tom Mullins)	Synergy Operating	(505) 320-1751
Water Hauling	Three Rivers Trucking	(505) 325-8017
	Key Energy Services	(505) 327-0416
KCI Water	Key Energy Services	(505) 327-0416
Engineering (M&G)	Roger Alinger	(505) 478-3952-cell

08-25-2003

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