

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 441-9449

4. Location of Well, Footage, Sec., T, R, M
990'FNL, 990'FEL, Sec.25, T-30-N, R-8-W, NMPM

5. Lease Number
SF-078385A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Howell L #2

9. API Well No.
30-045-09213

10. Field and Pool
Blanco Mesaverde

11. County and State
San Juan Co, NM

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

Type of Submission

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Sidetrack workover

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Procedure change submitted by letter dated 2-2-95, approved by Steve Mason, BLM

- 3-10-95 MIRU. ND WH. NU BOP. PT BOP to 1000 psi, OK. TOOH w/148 jts 2 3/8" tbg. Found hole in tbg @ 1855'. TIH w/7" csg scraper to 1855'. SI. SDON.
- 3-11-95 TIH w/csg scraper to 4563'. POOH. TIH w/7" cmt retainer, set @ 4532'. PT tbg to 2000 psi, OK. Load tbg w/17 bbl wtr. Pressure tbg to 800 psi. Blew hole in tbg Sting out of cmt retainer. Load csg w/70 bbl wtr. Try to PT. POOH. SDON.
- 3-13-95 TIH w/7" setting tool. Attempt to sting into cmt retainer @ 4532'. Could not open valve in cmt retainer. TOOH. RU, ran CBL-CCL-GR @ 0-4527', TOC @ 2990. RD. TIH, circ, sting into cmt retainer. Establish injection. Pressure up backside to 500 psi/15 min, OK. SDON.
- 3-14-95 Establish injection. Pressure up csg to 500 psi, OK. Plug #1: w/cmt retainer @ 4532', pump 163 sx Class "B" cmt w/2% calcium chloride below cmt retainer, 5 sx Class "B" cmt w/2% calcium chloride on top of cmt retainer. POOH to 4501'. Reverse circ w/40 bbl wtr, circ out 1/2 bbl cmt. Final sqz pressure 1000 psi. TOOH. TIH w/7" FB pkt, set @ 2019'. PT csg below pkr to 1000 psi, OK. Isolate csg leak @ 954' & 963'. Establish injection. TOOH w/7" FB pkr. TIH w/7" CIBP, set @ 3716'. POOH. RD. SDON.

Continued on back

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

Signed [Signature] Title Regulatory Affairs

Date 4/17/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date _____

CONDITION OF APPROVAL, if any:

ACCEPTED FOR RECORD

APR 19 1995

FARMINGTON DISTRICT OFFICE
BY 211

NMOCD

3-15-95 TIH, perf 3 sqz holes @ 1980'. TOOH. Establish injection. TIH w/7" cmt retainer, set @ 1889'. Pressure csg to 500 psi, SI. Establish injection. Plug #2: pump 200 sx Class "B" cmt w/2% calcium chloride below cmt retainer & 5 sx Class "B" cmt w/2% calcium chloride above cmt retainer. POOH to 1857'. Reverse circ w/15 bbl wtr, circ out 1/4 bbl cmt. POOH. TIH to 1009'. Establish circ. Plug #3: pump 40 sx Class "B" neat cmt w/2% calcium chloride. Displace up to 801'. POOH to 759'. Reverse circ w/10 bbl wtr. No cmt return. SI, sqz to 800 psi/30 min. Well bled down to 500 psi. Calc TOC @ 715'. SI. WOC. SDON.

3-16-95 PT csg to 500 psi/15 min, OK. POOH. TOOH. ND BOP. NU WH. RD. Rig released.

3-29-95 MIRU. ND WH. NU BOP. TIH, drill cmt @ 801-1028'. Circ. PT sqz to 1000 psi, OK. TOOH. TIH, tag cmt @ 1826'. Drill cmt retainer & cmt.

3-30-95 Drill cmt to 1980'. PT sqz to 1000 pis, OK. Tag up @ 3726'. Circ hole clean. TOOH. TIH w/whipstock, set @ 3726'. Establish circ. Drill w/starter mill, would not drill. TOOH. TIH w/window mill. Establish circ. Mill window @ 3708-3720'. Mill open hole to 3726'.

3-31-95 TOOH w/mill. TIH w/bit. Drill @ 3833-4319'.

4-1-95 Drill @ 4319-5030'.

4-2-95 TOOH. TIH w/csg scraper to 3150'. TOOH. TIH w/RBP, set @ 2154'. Load hole w/wtr. PT to 1000 psi, OK. Release RBP, TOOH. TIH w/bit to 3640'. Blow well.

4-3-95 Wash to 5031'. Drill from 5030 to TD @ 5950'. TOOH. Prepare to run logs.

4-4-95 RU. Ran temp log, IND-GR, CNL-LDL @ 3700-5947'. RD. TIH, CO. TOOH. TIH w/132 jts 4 1/2" 10.5# K-55 STC csg, set @ 5949'. Blow well. Cmdt w/337 sx 50/50 poz w/0.3% Halad 344, 0.25 pps Cellophane, 3 pps Gilsonite (441 cu.ft.). WOC.

4-5-95 WOC. TIH, tag @ 5888'. Role hole w/92 bbl 2% KCl wtr. PT csg to 1000 psi, 30 min, OK. TOOH. RU, ran CBL-CCL-GR @ 2350-5888', TOC @ 2750'. RD. Set pkr @ 60'. PT csg to 3800 psi, OK. Release pkr. TIH, perf Point Lookout @ 5293, 5309, 5316, 5337, 5344, 5354, 5361, 5368, 5387, 5396, 5429, 5454, 5486, 5529, 5553, 5563, 5583, 5634 w/18 holes total. Prepare to frac.

4-6-95 Frac w/23,153 gal slk wtr, 146,000# 20/40 sd. RD. CO after frac. Perf Cliff House/Menefee @ 4647, 4649, 4705, 4734, 4760, 4772, 4838, 4852, 4862, 4864, 4869, 4875, 4878, 4892, 4902, 4918, 4922, 4825, 4931, 4935, 4940, 4952, 4963, 5018, 5052, 5071, 5110, 5126, 5139, 5160, 5209.

4-7-95 Frac Cliff House w/87,000 gal 30# gel, 160,000# 20/40 sd. TOOH. RU RBP w/Amerada bombs, set @ 4585'. Dump sd on perfs. RD. TIH, perf Lewis @ 3829, 3840, 3858, 3877, 3882, 3910, 3917, 3939, 3943, 4025, 4034, 4050, 4066, 4109, 4126, 4134, 4140, 4148, 4170, 4194, 4256, 4267, 4276, 4285, 4318, 4336, 4351, 4364, 4413, 4437 w/30 holes total. Frac w/25,500 gal gel, 1,656,000 SCF N2. CO after frac.

4-8/10-95 Blow well & CO.

4-11-95 Blow well & CO. TOOH. TIH w/RBP to 4584'. Attempt to set. TOOH, had lost RBP. TIH, Found RBP @ 5466'. POOH to 4584', set RBP. TOOH. TIH w/Amerada bomb on RBP, set @ 3776'. SI for 24 hour build up.

4-12-95 TIH, release RBP. TOOH w/pressure recorders. Prepare to frac.

4-13-95 Frac Lewis w/107,389 gal slk wtr, 99,800# 20/40 Arizona sd. RD. CO after frac.

4-14-95 Blow well & CO.

4-15-95 Blow well & CO. Latch on RBP @ 4575'. TOOH w/RBP. Blow well & CO.

4-16-95 Blow well & CO.

4-17-95 Blow well & CO. TOOH. TIH w/168 jts 2 3/8" 4.7# J-55 EUE tbg, landed @ 5279'. ND BOP. NU WH. RD. Rig released.