

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) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1090' FSL, 1800' FEL, Sec. 23, T-30-N, R-10-W, NMPM

5. Lease Number
SF-078200B

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Riddle B #5

9. API Well No.
30-045-20353

10. Field and Pool
(WC; 30N10W23O) Gallup/
Basin Dakota

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 - Acidize Dakota

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

3-19-96 MIRU. ND WH. NU BOP. Work tbq free out of previously set cmt retainer @ 7107'. Load hole & circ clean w/45 bbl wtr. TOOH w/tbg. TIH w/4 1/2" csg scraper.

3-20-96 CO to cmt retainer @ 7107'. Circ hole clean. TOOH. RU, ran CBL-CCL-GR @ 0-7096' cmt intervals @ 2030-2300', 4404-5665', 5988-7389'. RD. TIH w/4 1/2" pkr. Made multiple tool settings testing for csg leak. PT cmt retainer to 1000 psi OK.

3-21-96 TOOH. TIH w/4 1/2" FB pkr, set @ 5156'. Load annulus. Establish injection into csg leak. Pump 100 sx Class "B" cmt w/0.3% fluid loss. Displace w/23 bbl wtr. Clear pkr by 3 bbl. Sqz to 1750 psi. Release pkr, reset @ 1753'. Pressure annulus to 200 psi. Establish circ down csg & out bradenhead. Pump 800 sx Class "B" cmt w/2% calcium chloride. Pump 150 sx Class "B" cmt w/2% calcium chloride. Displace w/9.5 bbl wtr. Clear pkr by 2.5 bbl. WOC.

3-22-96 WOC. TIH, tag TOC @ 2040'. Drill cmt @ 2040-2117'. PT to 800 psi, failed. TOOH. TIH, ran CBL-CCL-GR @ 0-2117', TOC @ 1200'. RD. TIH w/pkr, set @ 1753'. Pump 500 sx Class "B" cmt w/2% calcium chloride. Displace w/9.5 bbl wtr. Clear pkr w/2.5 bbl. Sqz to 500 psi. WOC. Release pkr, TOOH. TIH, tag TOC @ 1922'. Drill cmt @ 1922-2061'. PT to 750 psi, failed. TOOH. TIH w/pkr, set @ 1630'.

Continued on back

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

Signed [Signature] Title Regulatory Administrator Date 4/9/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any: _____

Date APR 19 1996

ACCEPTED FOR RECORD

FARMINGTON DISTRICT OFFICE
BY [Signature]

- 3-23-96 Pump 120 sx Class "B" cmt w/5% cal-seal, 0.3% fluid loss. Displace w/10.5 bbl wtr. Sqz to 1400 psi. WOC. Release pkr, TOOH. TIH, tag TOC @ 1916'. Drill cmt @ 1916-2050'. PT sqz to 750 psi/15 min, OK. Drill cmt @ 2117-2334'. PT sqz to 750 psi on every joint, OK. PT @ 2210-2241, failed. Drill cmt @ 2341'.
- 3-24-96 Drill cmt @ 2341-3090'. PT sqz to 750 psi, OK. Circ hole clean. TOOH. TIH w/FB pkr, found leak @ 3060-3123'. PT csg @ 0-3060' to 750 psi, OK. PT csg @ 3123-5469' to 750 psi, OK. Establish injection into csg holes. TOOH w/pkr to 2650'.
- 3-25-96 RU, pump 35 sx Class "B" cmt w/5% cal-seal, 0.3% fluid loss. Displace w/14.5 bbl wtr. Sqz to 1100 psi. WOC. TOOH w/pkr. TIH, tag TOC @ 2975'. Drill cmt @ 2975-3060'. PT sqz to 750 psi, failed. TOOH. TIH w/pkr, isolate leak @ 3060-3123'. TOOH w/pkr. TIH.
- 3-26-96 (Verified that well will be commingled with Wayne Townsend, BLM). TIH to 3170'. Pump 25 sx Class "B" cmt w/5% Cal-seal, 0.3% Fluid loss @ 2855-3170'. TOOH. Sqz to 750 psi. WOC. TIH, tag TOC @ 2938'. Drill cmt @ 2938-3170'. PT csg to 500 psi/15 min, OK. TIH, tag cmt @ 5220'. Drill cmt @ 5220-5310'.
- 3-27-96 Drill cmt @ 5310-5494'. PT sqz to 500 psi/15 min, OK. TIH to cmt retainer @ 7107'. Blow well & CO. TIH to PBTD @ 7389'. Blow well & CO. Roll hole w/1% Kcl wtr. TOOH. TIH w/pkr, attempt to set, failed. TOOH w/pkr. TIH w/new pkr, set @ 6995'. Pressure annulus to 400 psi. Stimulate Dakota w/30,000 SCF N2, 2000 gal mud acid. Flush w/wtr. SI for acid to work. CO.
- 03-28-96 Blow well & CO. Release pkr. Swab well. TOOH w/pkr. TIH w/RBP, set @ 6700'. Dump sd on RBP. Perf Gallup w/1 SPF @ 6327, 6331, 6337, 6372, 6382, 6396, 6410, 6434, 6455, 6478, 6488, 6503, 6523, 6532, 6547, 6554, 6563, 6582' w/18 holes total.
- 3-29-96 PT RBP to 3800 psi/15 min, OK. Acidize w/1500 gal 15% acetic acid. Attempt to frac. Reset pkr @ 6010'. Found leak @ 6010-6040'. Reset pkr @ 6283'. Swab back 85 bbl gelled wtr.
- 3-30-96 Reset pkr to 6150'. Attempt to frac Gallup. SI for gel break. TOOH w/pkr. TIH, CO to RBP @ 6700'. TOOH.
- 3-31-96 TIH, set pkt @ 6150'. Load annulus w/wtr. Frac Gallup w/11,000# 20/40 Ottawa sd, 513 bbl 30# x-link gel. SI for gel break. CO after frac. Release pkr, TOOH.
- 4-1-96 Blow well & CO.
- 4-2-96 Blow well & CO. TOOH. TIH w/RBP & pressure gauges, set @ 6300'. Dump sd on top of RBP. TOOH. TIH w/pkr, set @ 6200'. PT RBP to 1500 psi, OK. TOOH w/pkr to 5610', reset pkr. Establish injection. Pump 125 sx Class "B" cmt w/5% Cal-seal, 0.3% Halad-344. Displace w/26.5 bbl wtr. Clear pkr by 5.5 bbl cmt. Left 1.5 bbl cmt in csg. Sqz to 1300 psi. WOC.
- 4-3-96 WOC. TOOH w/pkr, TIH, tag TOC @ 5840'. Drill cmt @ 5840-6015'. PT sqz to 500 psi, bled off to 200 psi in 13 min. TOOH. TIH w/retrieving tool. Blow well & CO. Latch RBP, TOOH. TIH w/retrieving tool.
- 4-4-96 Blow well clean. Latch RBP, TOOH. TIH, blow well & CO to PBTD @ 7389'.
- 4-5-96 TOOH. TIH w/235 jts 2 3/8" 4.7# J-55 EUE 8RD tbgs, landed @ 7340'. TOOH. ND BOP. NU WH. RD. Rig released.

Commingled Gallup and Dakota well. Will make formal application to commingle.