

submitted in lieu of Form 3160-5

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
790' FSL, 790' FWL Sec. 20, T-24-N, R-3-W, NMPM

5. Lease Number
NM-28713

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Little Fed 20 #1

9. API Well No.

10. Field and Pool
W. Lindrith G1 Dk

11. County and State
Rio Arriba Co, 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 Injectio

☒ Other - pay add

13. Describe Proposed or Completed Operations

The Niobrara section will be perf'd and stimulated in the following manner: TOOH w/tbg. Set RBP above existing Dakot perfs. Run CBL to verify TOC. If good top is not seen at least 50' above proposed top Niobrara perf, remedial cement work will be performed. The Niobrara will be perf'd 5745-6030'. Stimulate w/approx 1600 gal acid and fracture stimulate. Run after frac GR log to verify if frac stayed in zone. TIH w/2 3/8" tbg landed @ 7350'. Return well to production and evaluate for pumping unit application. The Niobrara will commingled w/existing Dakota per Division Order R-7495. Attached is a procedure and wellbore diagram

RECEIVED
MAR 02 1994

OIL CON. DIV.
DIST. 3

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

Signed [Signature] (BA) Title Regulatory Affairs Date 1/6/94

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Acting Area Manager Date 2/16/94

CONDITION OF APPROVAL, if any:

NAMOCN

Little Federal 20 #1
Unit M, Section 20, T24N, R3W
Recommended Recompletion Procedure
Gallup Pay Add & Completion

Note: Notify BLM (761-8762) and NMOCD (334-6178) 24 hours prior to rig activity.

Inspect location and install and/or test rig anchors. Install 1 - 400 bbl rig tank and fill w/ 2% KCl water. Approximately 241 jts. 2-3/8" 4.7# J-55 tubing will be required (MOI, District Tools) for cleanout and production. Comply with all BLM, NMOCD, Jicarilla Apache, and MOI rules and regulations. Notify engineering when work has commenced. Hold Safety Meetings on a regular basis.

1. Install 3 X 400 bbl frac tanks and fill with 2% KCl water.
2. Hold Safety Meeting. MIRU. Place fire and safety equipment in easily accessible locations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
3. Blow down tubing. If tubing will not blow down, kill well with KCl water. PBTD is 7473'.
4. TOOH with 7200' of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 4-1/2" 10.5# guage ring and check pipe. PU Baker Model G Retrievable bridge plug, TIH and set bridge plug at 6900'. Run GR - CBL - CCL in 4-1/2 casing from bridge plug to Surface pipe (TOC was calculated at 5700'). TOC must be above 5700' to continue. Evaluate GR - CBL - CCL and send copy to production engineering.
6. TIH w/ treesaver. Pressure test treesaver and casing to 3200 psi. for 15 min. If pressure test fails, prepare to test and repair casing. Contact Production Engineering and a casing repair will be submitted. TOOH with treesaver.

Gallup Stimulation:

7. Select-Fire Perf. the following interval w/ 3-1/8" HSC -3125-306, 12 gram Owen charges 0.31" holes w/ 12.02 " penetration:

5745' - 6030'. (32 Holes)

8. RD wireline. TIH w/ treesaver.
9. RU stimulation company. **Hold Safety Meeting.** Pressure test surface treating lines to 5000 psi. **Maximum STP during acid job is 3200 psi.** Pump 1,600 gals 15% HCl w/additives at a rate of 4-6 BPM, attempt to ball-out the perforations. Drop a total of 48 7/8" RCN ball sealers (1.3sp.gr.) spaced evenly throughout the job. Record rates and pressures while attempting to achieve ball-out.
10. RD stimulation company. TOOH w/ treesaver. RU wireline, run junk basket to knock-off/retrieve as many ballsealers as possible. TIH w/ treesaver. RU stimulation company. Prepare to fracture stimulate the Gallup.

**Little Federal 20 #1
Gallup Pay-Add**

11. Pressure test surface treating lines to 5000 psi. **Maximum treating pressure is 3200 psi.** Fracture and tag the Gallup according to the attached procedure. Flow-back the well immediately using a variable choke manifold (1/4 - 1/3 bpm max.). Increase choke size as needed to keep the well from logging off, if possible. When pressures and flow rates allow, TOOH w/ treesaver.
12. TIH w/ retrieving head and 2-3/8" 4.70# workstring and clean out to the retrievable bridge plug with air until sand production is minimal. Latch onto the retrievable bridge plug and TOOH.
13. RU wireline, run After-frac Tracer Survey-GammaRay (report if frac stayed in zone, if possible), POOH. RD wireline. Send copy of logs to Production Engineering.
14. TIH w/ one joint 2-3/8" 4.7# J-55 tubing, seating nipple, and 2-3/8" production tubing. Cleanout to 7473' with air. Land tubing @ +/-7350' (123' of rathole) . ND BOP, NU WH. Contact Production Operations for swabbing/well tie-in. RD and MOL.

Approved: _____
Drilling Superintendent

Suggested Vendors:

Wireline:	Petro Wireline	326-6669
Radioactive Tag:	ProTechnics, Intl	326-7133
Tubing:	MOI, District Tools	326-9826
Stimulation:	DS	325-5096
Treesaver:	WIT	599-5609
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h

Little Federal 20 #1

Unit M, Sec. 20, T24N, R03W

Gallup Pay Add and Stimulation

