

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <p>2. Name of Operator MERIDIAN OIL</p> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M 1850' FSL, 1850' FWL Sec. 32, T-24-N, R-3-W, NMPM</p>	<p>5. Lease Number NM-86430</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name & Number Arco Little Fed 32 #3</p> <p>9. API Well No.</p> <p>10. Field and Pool W. Lindrith G1 Dakota</p> <p>11. County and State Rio Arriba Co, NM</p>
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12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injectio
	<input checked="" type="checkbox"/> Other - pay add	

13. Describe Proposed or Completed Operations

The Niobrara Gallup will be perforated and stimulated in this wellbore in the following manner: TOOH w/tbg. Set RBP above existing Dakota perforations. Run CBL to verify TOC. If good top is not seen at least 50' above proposed top Niobrara perforation, remedial cement work will be performed. Perforate the Niobrara from approx. 6218-6530'. Stimulate w/approximately 1600 gal acid and fracture stimulate. Run after frac GR log to verify if frac stayed in zone. TIH w/2 3/8" tbg and land @ 7400'. Return well to production and evaluate for pumping unit application. The Niobrara will be commingled w/existing Dakota per Order R-7495'. Attached is a procedure and wellbore diagram.

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 Date 2/16/94

CONDITION OF APPROVAL, if any:

[Signature]
Manager

Arco Little Federal 32 #3
Unit K, Section 32, 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 243 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 7520'.
4. TOOH with 7257' of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 4-1/2" 10.5# gauge 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 5900'). TOC must be above 6170' 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:

6218' - 6530'. (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.

**Arco Little Federal 32 #3
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, TOO H 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 TOO H.
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 7520' with air. Land tubing @ +/-7400' (120' of rathole) . ND BOP, NU WH. Contact Production Operations for swabbing/well tie-in. RD and MOL.

Approved: _____
Drilling Superintendent

Suggested Vendors:

Wireline:	Basin Perforating	327-5244
Radioactive Tag:	ProTechnics, Intl	326-7133
Tubing:	MOI, District Tools	326-9826
Stimulation:	WCNA	327-6222
Treesaver:	WIT	599-5609
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h

Arco Little Federal 32 #3

Unit K, Sec. 32, T24N, R3W
Gallup Pay Add and Stimulation

