

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number NM-28715
2. Name of Operator Meridian Oil Inc.	6. If Indian, All. or Tribe Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well, Footage, Sec., T, R, M 970'FNL, 790'FWL Sec.32, T-24-N, R-3-W, NMPM	8. Well Name & Number Arco Little Fed 32 #1
	9. API Well No. 30-039-
	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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

The Dakota formation will be temporarily abandoned in this wellbore under a drillable bridge plug. The Greenhorn formation will be added and production tested to quantify production contributions. The Dakota will be recovered and commingled per the West Lindrith Gallup Dakota Pool Rules (see attached procedure and wellbore diagram) within 365 days of recompletion.

RECEIVED  
NOV 4 1992  
OIL CON. DIV.  
DIST. 2

RECEIVED  
BLM  
NOV 21 1992 10:50  
DIST. 2

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

Signed [Signature] (TM) Title Regulatory Affairs Date 10/21/92

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

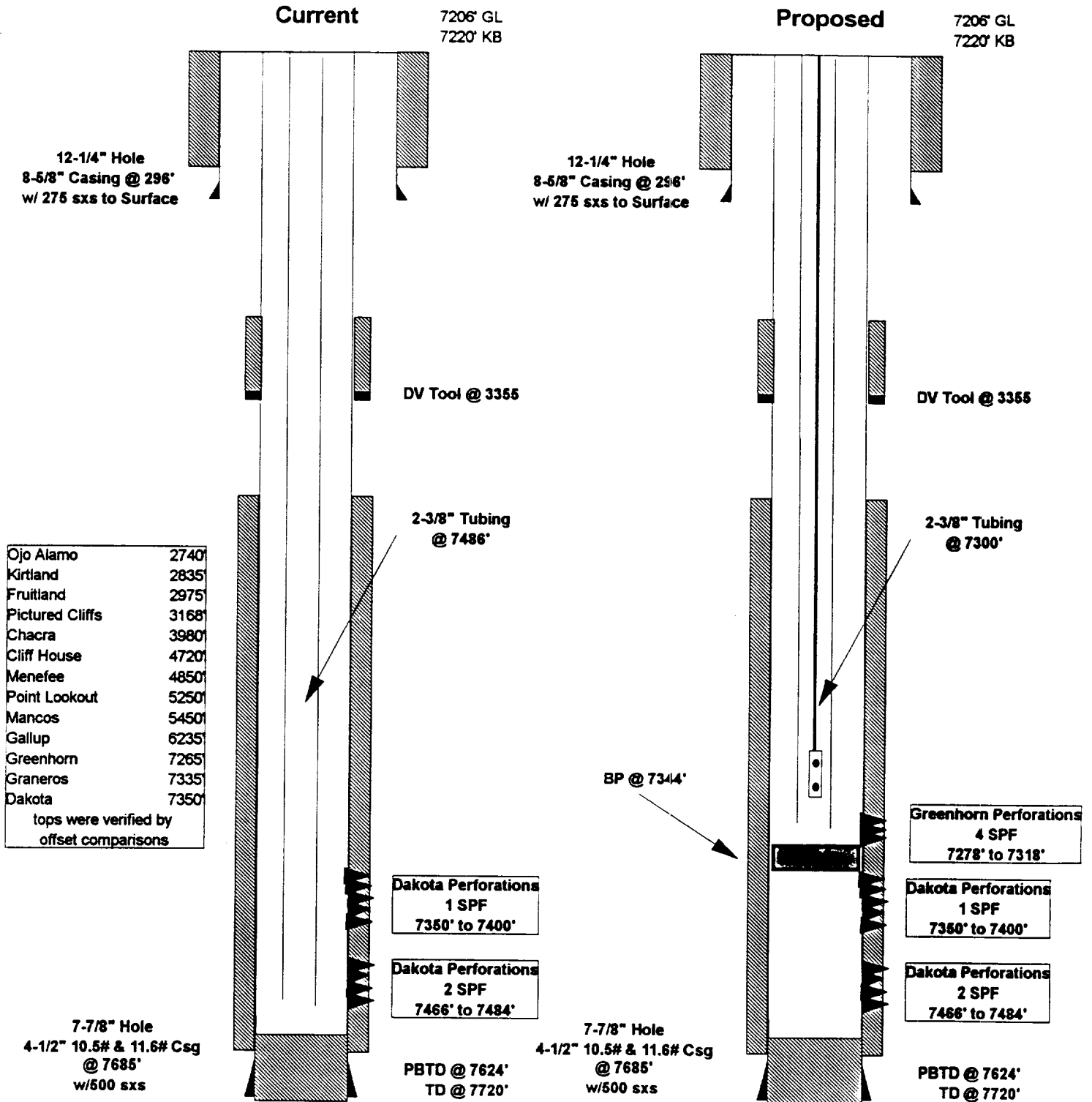
CONDITION OF APPROVAL, if any: \_\_\_\_\_

APPROVED  
Date NOV 30 1992  
AREA MANAGER

# Arco Little Federal 32 # 1

T24NR03W32D

Greenhorn Completion & Test



The Dakota was slickwater stimulated in 2 stages.  
Stage 1 40,000# 40/60 sand  
Stage 2 52,500# 20/40 sand

The Dakota will be temporarily abandoned under a drillable bridge plug. The Greenhorn will be perforated, broken down, stimulated, & put on an extended production test. The bridge plug will be removed upon the future Gallup pay add and commingled per the WLGD pool regulations.

Arco Little Federal 32 #1  
T24NR03WSec32UnitD  
Greenhorn Completion & Production Test  
Procedure

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Prior to move on, test rig anchors & repair if necessary. Construct reserve, flare/blow pit.  
Comply with all MOI, BLM, NMOC regulations & safety procedures. **Hold Safety Meetings.**

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**Requirements:**

- Minimum of 8 additional jts 2-3/8" 4.7# J-55 EUE tubing.
  - 7300' of 2-7/8" 8.7# N-80 tubing (3.500" OD, 2.259" ID) *Only if casing integrity test fails.*
  - One 4-1/2" Casing Baker Model N-1 Mercury Wireline Bridge Plug
  - Model EA Retrievalmatic Packer (Left Hand Set, 43A, 3.771" Gage OD)
  - One 4-1/2" Baker Selective Acidizing Packer (SAP tool 2' spacing) -Baker (MICV) Valve
  - 3.771" OD Gage Ring (4-1/2" 11.6# pipe)
  - Four(4)-400 Bbl Frac Tanks for Stimulation Work
  - All water will be filtered (25 micron) 2 % KCl
  - Total 15% HCl to be used is 800 gallons. *Excess is not to be pumped.*
  - Total Estimated Water including Frac is 1500 Bbls (63,000 gal) no excess.
  - Compressor package to circulate hole w/ air & mist.
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1. MIRU daylight rig. Record Csg, Tbg, & Brdhead pressures. Place fire & safety equipment in appropriate areas. w/ sand line set blanking plug in SN @ 7456'. Blow down tubing. NU 900" series BOP & choke manifold. Test operation of BOP. TOOH & visually inspect 2-3/8" tubing.
2. PU 3-7/8" bit & float. TIH & clean out fill with air & mist to PBTD (7624'). TOOH.
3. Spot Five(5)-400 Bbl frac tanks for stimulation work. Coordinate Bactericide. Inspect tanks to ensure no gelling agents, or fisheyes are apparent. Gel Water Frac.
4. RU wireline. Run (3.771" OD) Gage Ring to 7350'. PU Wireline Set Drillable BP. Set BP @ 7344' (6' above Graneros perforations). Run GR-CBL log from 7394' to 6300', and across DV Tool @ 3355'. Identify TOC on each stage. RD wireline.
5. PU PKR & TIH on 2-3/8" tubing. Load hole w/ 2% KCl water. Set PKR above BP. Test BP & tubing to 3900 psi. Dump 5 gal sand on BP. Test 2-3/8" x 4-1/2" annular to 2000 psi. TOOH 2 jts from surface, set PKR. Stage pressure test in two increments. #1 to 2000 psi. #2 to 3900 psi. Notify Engineering of Pressure Test. TOOH & LD PKR.
6. TIH w/ 2-3/8" openended to 2660'. Circulate with air and remove liquid above 2660'. Approximate fluid level should be at 2660'. (500 psi underbalanced). TOOH.
7. RU perforators. Install Lubricator. Prep to perforate underbalanced. Monitor Csg Pressure. Perforate the following intervals 4 SPF 0.38" hole 12gr charge.  
  
7278' - 7284' (6'-24 holes)      7290' - 7318' (28'-112 holes).
8. PU 4-1/2" Baker SAP tool (2' spacing), MICV, & TIH on 2-3/8" tubing. Breakdown cement sheath behind pipe with Total of 800 gal 15% HCL (w/ 2 gal/1000 A260 Inhibitor, 2 gal/1000 F75N surfactant, & 5 gal/1000 Non Emulsifier) in 17 settings. (47 gal per setting). Do not use excess acid. Record & report all BDPs & ISIPs. Identify communication. Release SAP tool & TOOH.

9. TIH w/ PKR, profile nipple & 2-3/8" tubing to 7318'. Circulate hole with filtered 2% KCL. Minimum of one wellbore volume. Pull up & set PKR @ 7250'. w/ sand line swab well & recover minimum of 25 bbls fluid. Identify & report hydrocarbon shows. Release PKR, TOOH & Stand Back 2-3/8" tubing. Pump 2% KCl down tubing if necessary to TOOH.
10. PU PKR & 2 jts 2-7/8" N-80 tubing. Set PKR. Stimulate Greenhorn down 4-1/2" casing via attached schedule. 40# X-linked Gel. 70,000# sand. All sand will be tagged w/ Ir-192 radioactive isotope. SI 3 hr for gel to break.
11. Flow back well on choke. Limit flowback to 20 BLPH. Gauge gas, oil, & broken gel.
12. PU float, profile nipple, & TIH on 2-3/8" tubing. Circulate well with air & mist. Clean out to RBP @ 7394'. Pull up to 7250' and gauge returns whenever possible. Note Fill. TOOH.
13. RU wireline. Run afterfrac gamma ray log. RD wireline
14. Prepare to run production string. TIH w/ one preperforated sub 2-3/8", one common SN, blanking plug in SN & remaining 2-3/8" tubing. Land tubing @ 7300' (mid Greenhorn perforations). Test tubing to 1200 psi. ND BOP. NU WH.
15. w/ sand line recover blanking plug.
16. RD & release completion rig. Return well to operations for Greenhorn production test.

Approved:

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J. A. Howieson  
Drilling Superintendent

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Vendors:

Stimulation  
Perforating, Logging  
BP, Packers, SAP  
Radioactive Tracer  
Engineering