

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

**Sundry Notices and Reports on Wells**

<b>1. Type of Well</b> GAS	<b>API # (assigned by OCD)</b>
<b>2. Name of Operator</b> MERIDIAN OIL	<b>5. Lease Number</b> Fee
<b>3. Address &amp; Phone No. of Operator</b> PO Box 4289, Farmington, NM 87499 (505) 326-9700	<b>6. State Oil&amp;Gas Lease Fee</b>
<b>4. Location of Well, Footage, Sec., T, R, M</b> 1743'FSL, 1341'FEL Sec.8, T-24-N, R-3-W, NMPM, Rio Arriba County	<b>7. Lease Name/Unit Name</b> W.O. Hughes
	<b>8. Well No.</b> 6
	<b>9. Pool Name or Wildcat</b> W.Lindrith G1 Dakota
	<b>10. Elevation:</b>

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - pay add
	<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 Injectio

**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 6330-6650'. Stimulate w/approx 16 00 gal acid and fracture stimulate. Run after frac GR log to verify if frac stayed in zone. TIH w/2 3/8" tbg landed @ 7500'. 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

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SIGNATURE *[Signature]* Regulatory Affairs January 6, 1994

(This space for State Use)  
Approved by CHARLES CHOLSON Title PROPERTY OIL & GAS INSPECTOR, DIST. 3 Date JAN - 7 1994

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WASHINGTON, D.C.

**W. O. Hughes #6**  
Unit J, Section 08, T24N, R03W  
Recommended Recompletion Procedure  
*Gallup Pay Add & Completion*

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

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Inspect location and install and/or test rig anchors. Install 1 - 400 bbl rig tank and fill w/ 2% KCl water. Approximately 244 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.

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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. PBSD is 7557'.
4. TOOH with 7499' of 2-3/8" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 4-1/2" 9.5# gauge ring and check pipe. PU Baker Model G Retrievable bridge plug, TIH and set bridge plug at 6900'. Run GR - CET - CCL for casing integrity and cathodic protection potential in 4-1/2 casing from bridge plug to Surface pipe (Cmt was circ. to surface). TOC must be above 6280' to continue. Evaluate GR - CET - CCL and send copy to production engineering.
6. TIH w/ treesaver. Pressure test treesaver and casing to 3000 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:

**6330' - 6650'. (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 3000 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.

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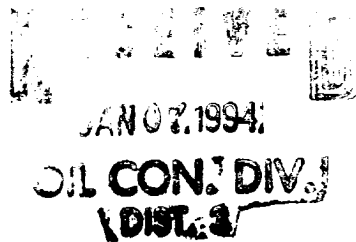
**W. O. Hughes #6  
Gallup Pay-Add**

11. Pressure test surface treating lines to 5000 psi. **Maximum treating pressure is 3000 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 @ 6900' 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 7557' with air. Land tubing @ +/-7500' (57' of rathole) . ND BOP, NU WH. Contact Production Operations for swabbing/well tie-in. RD and MOL.

Approved: \_\_\_\_\_  
Drilling Superintendent

**Suggested Vendors:**

Wireline:	Blue Jet	325-5584
Radioactive Tag:	ProTechnics, Intl	326-7133
Tubing:	MOI, District Tools	326-9826
Stimulation:	Halliburton	325-3575
Treesaver:	WIT	599-5609
Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h



# W. O. Hughes #6

Unit J, Sec. 08, T24N, R03W

Gallup Pay Add and Stimulation

