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

	API # (assigned by OCD)
. Type of Well	5. Lease Number
OIL	Fee 6. State Oil&Gas Lease
	Fee
Name of Operator Meridian Oil Inc.	7. Lease Name/Unit Name Hughes Federal Com
	_ 8. Well No.
B. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	1 9. Pool Name or Wildcat W.Lindrith Gl-Dakota
Location of Well, Footage, Sec., T, R, M 790'FSL, 850'FWL Sec.7, T-24-N, R-3-W, NMPM, Rio As	10. Elevation: criba County
Type of Submission Type of A	
x Notice of Intent Abandonment Recompletion	Change of Plans New Construction
Subsequent Report Plugging Back	Non-Routine Fracturing Water Shut off
Tinal Abandonment — Casing Repair Altering Casing	Conversion to Injectio
Other - Add Niob	rara Pay
13. Describe Proposed or Completed Operations	
The Niobrara will be perforated and stimulated Niobrara will then be commingled with Division Order R-7495. Commingled pro 365 days. Attached is a procedure and work.	the existing Dakota per duction will occur within
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Procedure Hughes Federal Com # 1 Unit O, Sec 07, T24N, R03W Niobrara Pay Add

Prior to Moving on Location. Notify EPNG to mark tie-in pipeline. Test & Install rig anchors if necessary. Complete all necessary dirt work. Oil production will be recovered to a tank. Notify Production Foreman or Lease operator of initial tank strappings. **Hold Safety Meetings.** Comply with all Governmental and Company Safety Regualtions.

- 1. MORU. Pump 25 bbls 2% KCl down tubing. ND WH. NU BOP. Unseat PKR. <u>Circulate minimum of 80 bbls 2% KCl to remove PKR fluid.</u> TOOH w/ 2-3/8" from **7119**'. Tally & visually inspect tubing for damage.
- 2. RU wireline. Run Gage Ring to PBTD(**7610'**). Note DV @ 6484'. Run GR-CCL from 7610' to 6100'. Perforate Dakota 'D' as follows with 3-1/8" HSC gun 0.38" holes.

4 SPF 7473'-7477'

(5')

20 holes

- 3. TIH w/ SAP tool 6' spacing on 2-3/8" w/ profile nipple above tool. Test tubing to 4000 psi. Straddle the perfs. Treat with 100 gal 7-1/2% acid w/ 1gal/1000 clay stabilizer, 2 gal/1000 corrosion inhibitor, & Nitrogen. Continue to pump and additional 2000 gallons of 2 % KCl with increased Nitrogen. RD stimulation equipment. Flow & swab Dakota 'D'. Recover all oil to tank. If interval flows, continue to flow until logging off. Recover minimum of 100 bbls fluid before moving up hole. TOOH with tool.
- 4. RU wireline. Set drillable BP @ **7185'** (above Dakota perfs). Fill Hole. Test 4-1/2* K-55 casing to 3000 psi. Test in two increments. Hold pressure 15 minutes. Run GR-CBL from PBTD across desired intervals. Cover 50' above & below DV tool @ 6484'. Locate TOC on each stage. Also cover 100' below surface pipe to 100' above shoe.
- 5. Perforate Greenhorn, Semilla, & Juana Lopez intervals bottom up with 3-1/8" HSC 2 SPF (0.38" hole) as follows:
 - 7176', 7174', 7172', 7170', 7156', 7155', 7154', 7151', 7146', 7144', 7139', 7138', 7129', 7124', 6942', 6940', 6939' (34 holes)
- 6. TIH with SAP tool 4' spacing on 2-3/8". Test tool on good pipe to 3500 psi. Breakdown each perforation with 30 gal 7-1/2% HCl acid with 1 gal/1000 clay stabilizer & 2 gal/1000 corrosion inhibitor @ 2-4 BPM. (Total acid 1020 gallons). Record rate & pressure on each setting. Unload hole of acid & water with Nitrogen. TOOH once hole is unloaded.
- 7. TIH with 2-3/8" tubing land tubing above Greenhorn. No PKR. Rig up to swab test. Swab well for 2 days. Recover all fluids to a flowback tank (do not recover to lease tanks). Record fluid levels, csg & tbg pressure on each run. Obtain good formation oil sample before TOOH.
- 8. w/ wireline set drillable bridge plug @ 6800' Fill hole. w/ PKR on tubing test casing & BP to 3300 psi.
- 9. Perforate Niobrara A, B, C with 3-1/8" select fire HSC gun bottom up 1 SPF 0.38" holes as follows:

6518', 6502', 6499', 6459', 6455', 6451', 6450', 6449', 6435', 6425', 6424', 6422', 6421', 6376', 6367', 6366', 6365', 6363', 6361', 6353', 6351', 6342', 6339', 6336', 6333', 6330', 6329', 6328', 6327', 6326', 6325', 6324', 6323', 6304', 6303', 6302', 6292', 6285', 6284', 6277', 6276', 6266', 6263' (43 holes)

- 10. TIH w/ SAP tool 4' spacing on 2-3/8". Test tool on clean pipe to 3500 psi. Breakdown each perforation with 30 gal 7-1/2% HCl acid with 1 gal/1000 clay stabilizer & 2 gal/1000 corrosion inhibitor @ 2-4 BPM. (Total acid 1290 gallons.) Record rate & pressure on each setting. Circulate hole with 2% KCl water to remove acid. TOOH.
- 11. Change pipe rams. TIH w/ 2 jts 2-7/8" tubing & PKR. Set PKR and leave annulus open to pit.
- Prep to Frac Niobrara A, B, C per attached schedule. Job will be tagged with Ir-192 tracer in sand. Max Pressure 3300 psi. Anticipated surface treating pressure 2500 psi.
- 13. Shut-in 3 hr to allow gel to break & let fracture heal. Flow well back through choke limiting sand & fluid rates to 20 BFPH. When pressures and rates allow TOOH w/ PKR. Change pipe rams. TIH w/ 3-7/8" bit & DC's. Drill Bridge Plugs. Note possible pressure beneath BPs. Push to PBTD of 7610'. TOOH.
- 14. w/ wireline run after-frac GR log accross newly perforated intervals.
- 15. TIH w/ production string. Two jts 2-3/8", one 6' perforated sub, one common SN, & remaining 2-3/8" tubing. Land tubing @ 7400'. ND BOP. NU WH. Kick well off and obtain gauge.
- 16. Notify Production Operations that well is ready for production/swabbing.

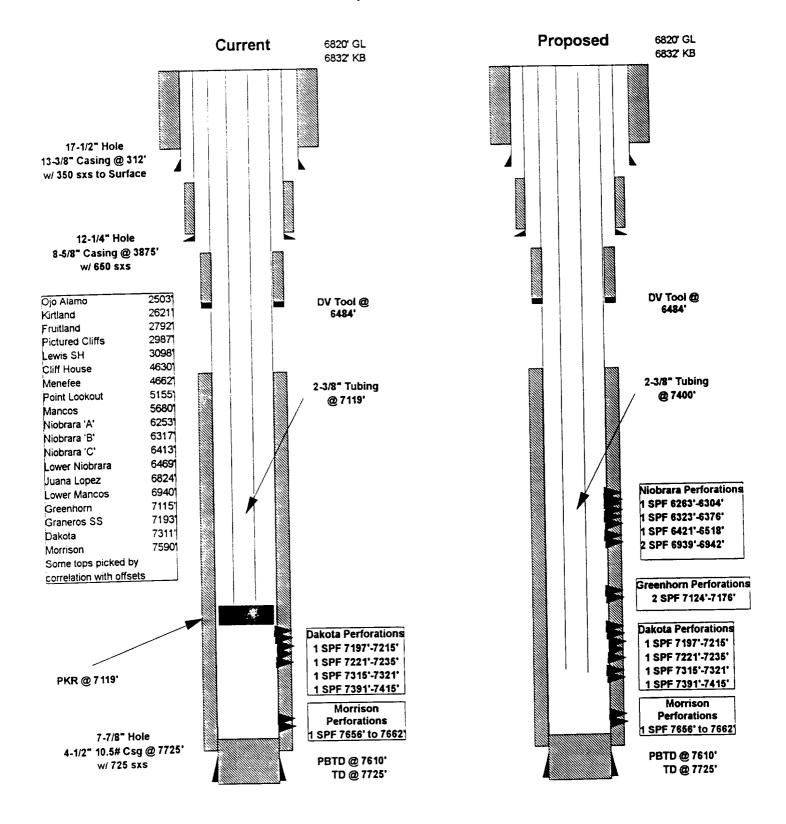
Approved:	
7.,рр.стод.	J. A. Howieson Drilling Superintendent

Vendors:

Hughes Federal Com #1

T24NR03W07O

Niobrara Pay Add & Commingle



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