

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

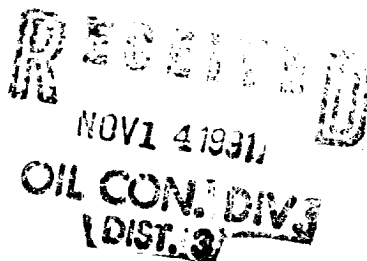
<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator Meridian Oil Inc. <i>Meridian Oil Inc.</i></p> <hr/> <p>3. Address & Phone No. of Operator Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec, T, R, M. 1450'N, 1690'E Sec.13, T-28-N, R-10-W, NMPM</p>	<p>5. Lease Number SF-079634</p> <p>6. If Indian, All.or Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name & Number McClanahan #12</p> <p>9. API Well No. 30-045-07436</p> <p>10. Field and Pool Aztec PC/Basin Ft. Coal</p> <p>11. County and State San Juan County, 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 checked="" 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 Injection
	<input type="checkbox"/> Other	

13. Describe Proposed or Completed Operations

It is intended to complete and commingle the Fruitland Coal with the Pictured Cliffs formation according to the attached procedure and wellbore diagram. Commingling was approved by the New Mexico Oil Conservation Division on October 28, 1991.



14. I hereby certify that the foregoing is true and correct
Signed *[Signature]* (KAS) Title Regulatory Affairs Date 11-6-91

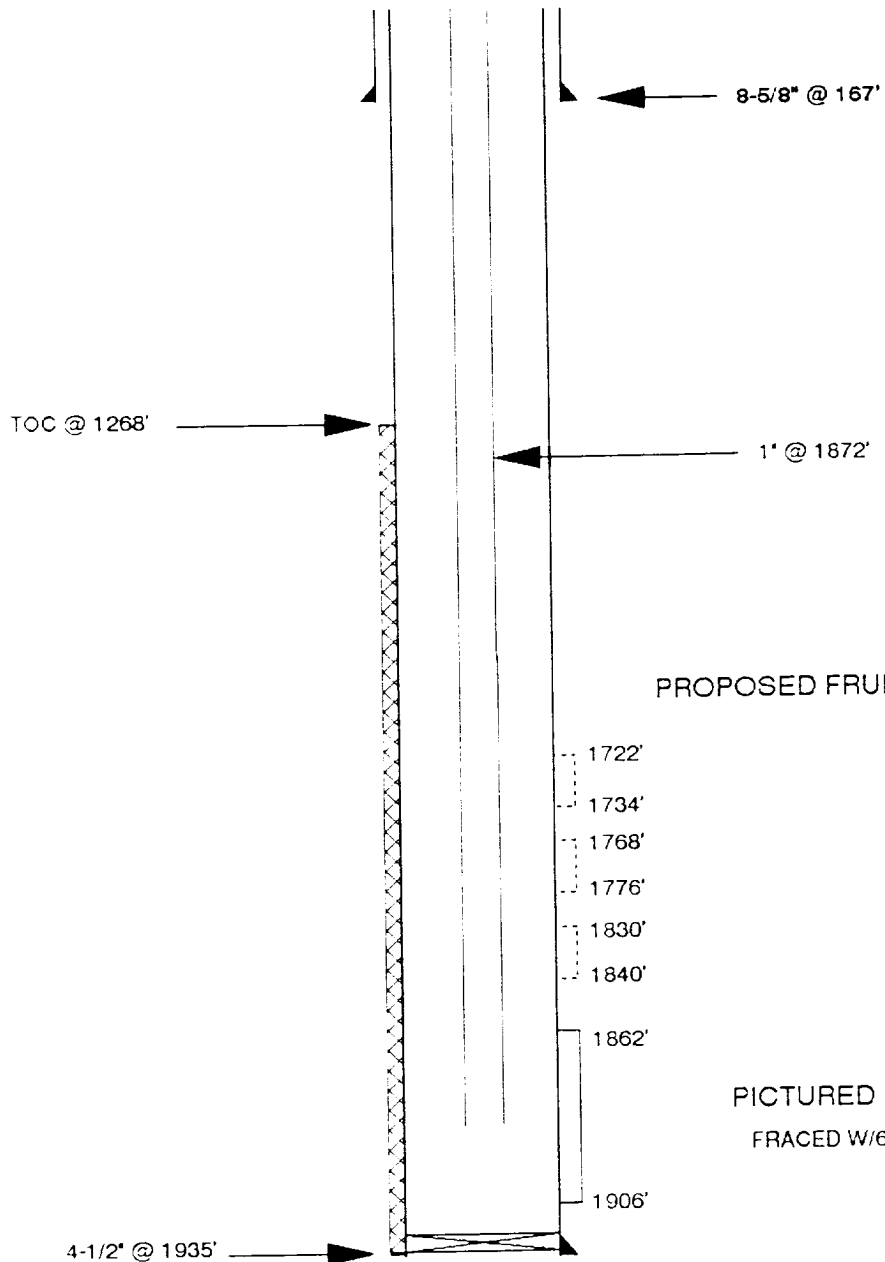
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APPROVED BY _____ TITLE _____
CONDITION OF APPROVAL, IF ANY:

DATE *[Signature]*

McCLANAHAN #12 PC

UNIT K SECTION 13 T28N R10W
SAN JUAN COUNTY, NEW MEXICO



RECEIVED
NOV 14 1991
OIL CON. DIV
DIST. 3

McCLANAHAN #12 PC/FRTC
Recompletion Procedure
K 13 28 10

1. Comply to all NMOC, BLM, & MOI, rules & regulations.
 MOL and RU completion rig. NU 6" 900 series BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Blow well down.
2. TOH w/1872' 1" tbg. Run 4-1/2" csg scraper on new 2-3/8" tbg to 1855'. TOH. Set 4-1/2" retrievable bridge plug @ 1855' on wireline.
3. Load hole w/2% KCL water. Run CBL from 1855'-750'. Pressure test to 2500#. Implement squeeze procedures if FRTC intervals have poor cmt bond or if csg fails pressure test.
4. Perf Fruitland Coal using 3-1/8" HSC guns with 12 gram Owens XII-306 (or equivalent) charges. Shoot 4 SPF @ 1840'-30', 1776'-68', 1734'-22'. Total of 120 holes.
5. Fill 2 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. One tank will be for gel, one tank for 2% KCL water for breakdown & flush. Gel water required for frac is 236 bbls.
6. TIH with 4-1/2" Baker SAP tool with a 4' spacer on 2-3/8" tbg. Wash perfs using 10 gallons of 7-1/2% HCL acid mixed with 5% xylene mutual solvent per foot of perfs and a quaternary amine-type clay stabilizer at 3 gal/1000 gal. TOH.
7. Install tree saver. Fracture treat coal with 37,000 gals. of 70% quality N2 foam and 60,000# Brady sand. Pump foam at 40 BPM. Use 9,600 gals. 30# (guar) gel for base fluid. Monitor bottomhole and surface treating pressures, rate, foam quality, & sand concentration, with computer van. All sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 2500 psi and estimated treating pressure is 1800 psi. Treat per the following schedule:

<u>Stage</u>	<u>Foam Vol.</u> <u>(Gals.)</u>	<u>Foam</u> <u>Quality</u>	<u>Gel Vol.</u> <u>(Gals.)</u>	<u>Sand Vol.</u> <u>(lbs.)</u>	<u>Sand</u> <u>Mesh</u>
Pad	15,000	70	3,000	----	----
1.0 ppg	5,000	70	1,500	5,000	20/40
2.0 ppg	5,000	70	1,500	10,000	20/40
3.0 ppg	5,000	70	1,500	15,000	20/40
4.0 ppg	5,000	70	1,500	20,000	20/40
5.0 ppg	2,000	70	600	10,000	20/40
Flush	(1,000)	70	(300)	----	----
Totals	37,000		9,600	60,000#	

Treat frac fluid with the following additives per 1000 gallons:

- * 30# J-4L (Base Gel)
- * 5.0 gals. (Foaming Agent)
- * 1.0 gal. Aqua-Flow (Non-ionic Surfactant)
- * 1.0# B-11 (Enzyme Breaker)
- * 1.0# B-5 (Breaker)

McCLANAHAN #12 - PC/FRTC COMMINGLE
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- * 0.35# Frac-cide 20 (Bacteriacide)
- * 2% KCL

8. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. When well ceases to flow, proceed with Step # 9.
9. Remove tree saver. TIH w/ 4-1/2" retrieving tool on 2-3/8" tubing & clean out to RBP @ 1855' w/ air/mist. Take pitot gauges when possible. When wellbore is sufficiently clean, retrieve RBP @ 1855', TOH.
10. TIH w/notched collar on 2-3/8" tbg & C.O. to below Pictured Cliffs perms 1910'. Take pitot gauges when possible.
11. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 1910'-1000'.
12. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom. Land tbg @ 1850'. Take final pitot gauge.
13. ND BOP and NU wellhead. Rig down & release rig.

Approve: _____
R. F. Headrick

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133

CONSULTANT: Alan Errett 327-5444

PMP