submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

5. Lease Number
SF-047017B

6. If Indian, All.or
Tribe Name

7. Unit Agreement Name

2. Name of Operator
Meridian Oil Inc.

8. Well Name & Number
Angel Peak B #37

3. Address & Phone No. of Operator
Box 4289, Farmington,NM 87499 (505)326-9700

9. API Well No.

4. Location of Well, Footage,Sec,T,R,M.
795'N, 569'E Sec.24, T-28-N, R-11-W, NMPM

10. Field and Pool
Otero Ch/Basin Ft Coal

11. County and State
San Juan County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action	
X Notice of Intent	__ Abandonment	__ Change of Plans
	X Recompletion	__ New Construction
__ Subsequent Report	__ Plugging Back	__ Non-Routine Fracturing
	__ Casing Repair	__ Water Shut Off
__ Final Abandonment	__ Altering Casing	__ Conversion to Injection
	__ Other	

13. Describe Proposed or Completed Operations

It is intended to open the Fruitland Coal formation and recomplete as a dual Otero Chacra/Basin Fruitland Coal per the attached procedure.

RECEIVED
NOV 14 1991
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.
Signed Peggy Bradfield (MP) Title Regulatory Affairs Date 11-6-91

APPROVED
NOV 12 1991
DATE
AREA MANAGER
FARMINGTON RESOURCE AREA

(This space for Federal or State office use)

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

NMOCD

ANGEL PEAK B # 37 FRTC
Completion Procedure
A 24 28 11

1. Comply to all NMOCD, 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 with 3000 psi gate valves on tubing head. Blow well down.

2. TOOH W/2982' 2-3/8" tbg. Run 7" csg scraper on 2-3/8" tbg to 1950'. TOOH. Set 7" retrievable bridge plug @ 1950' on wireline & top w/ 10' sand.

3. Load hole w/2% KCL water. Run CBL from 1950'-600'. Pressure test to 3000#. Implement squeeze procedures if FRTC intervals have poor cmt bond or if csg fails pressure test.

4. Perf Fruitland Coal using 4" HSC guns with 23 gram GOEX HSC XXIII (or equivalent) charges. Shoot 4 SPF @ 1868'-1853'. Total of 60 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. Usable gel water required for frac is 193 bbls.

6. TIH with 7" 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. Fracture treat lower coal with 27,000 gals. of 70% quality N2 foam and 40,000# Brady sand. Pump foam at 40 BPM. Use 8,100 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 3000 psi and estimated treating pressure is 1600 psi. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Foam Quality	Gel Vol. (Gals.)	Sand Vol. (lbs.)	Sand Mesh
Pad	10,000	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	4,000	70	1,200	12,000	20/40
4.0 ppg	2,000	70	600	8,000	20/40
5.0 ppg	1,000	70	300	5,000	20/40
Flush	(*)	0	(*)	----	----
Totals	27,000		8,100	40,000#	

* Flush to be 3060 gals. 2% KCL water.

Treat frac fluid with the following additives per 1000 gallons:

* 30# YF-130 (Base Gel)
* 5.0 gals. (Foaming Agent)
* 1.0 gal. Aqua-Flow (Non-ionic Surfactant)

* 1.0# J-218 (Enzyme Breaker)
* 1.0# J-318 (Breaker)
* 0.35# M-275 (Bacteriacide)
* 2% KCL

8. Close blind rams. RD frac company. RU wireline w/ full lubricator. Set 7" retrievable bridge plug @ 1780'. Pressure test to 3000 psi.

9. Perf Fruitland Coal using 4" HSC guns with 23 gram GOEX HSC XXIII (or equivalent) charges. Shoot 4 SPF @ 1757'-55', 1742'-36', 1706'-1693'. Total of 84 holes.

10. TIH w/7" Baker SAP tool on 2-3/8" tbg. Space packing elements @ 4 feet & breakdown perforations from 1757'-1693' w/ 10 gal. 7-1/2% HCL acid per foot pay. Total 210 gal. acid mixed with 5% xylene mutual solvent per foot of perfs and a quaternary amine-type clay stabilizer at 3 gal/1000 gal & 1 gal/1000 corrosion inhibitor. Record breakdown pressures. TOH.

11. 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. Usable gel water required for frac is 236 bbls.

12. Fracture treat upper coals with 33,000 gals. of 70% quality N2 foam and 50,000# Brady sand. Pump foam at 40 BPM. Use 9,900 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 3000 psi and estimated treating pressure is 2400 psi. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Foam Quality	Gel Vol. (Gals.)	Sand Vol. (lbs.)	Sand Mesh
Pad	10,000	70	3,000	----	----
1.0 ppg	10,000	70	3,000	10,000	20/40
2.0 ppg	5,000	70	1,500	10,000	20/40
3.0 ppg	4,000	70	1,200	12,000	20/40
4.0 ppg	2,000	70	600	8,000	20/40
5.0 ppg	2,000	70	600	10,000	20/40
Flush	(2,700)	70	(810)	----	----
Totals	33,000		9,900	50,000#	

Treat frac fluid with the following additives per 1000 gallons:

* 30# YF-130 (Base Gel)
* 5.0 gals. (Foaming Agent)
* 1.0 gal. Aqua-Flow (Non-ionic Surfactant)
* 1.0# J-218 (Enzyme Breaker)
* 1.0# J-318 (Breaker)
* 0.35# M-275 (Bacteriacide)
* 2% KCL

Shut well in after frac for six hours in an attempt to obtain closure pressure and allow the gel to break.

13. 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 # 14.

14. TIH w/ 7" retrieving tool on 2-3/8" tubing & clean out to RBP @ 1780' w/ air/mist. Take pitot gauges when possible. When wellbore is sufficiently clean, retrieve RBP @ 1780', TOH. TIH w/7" retrieving tool on 2-3/8" tbg & C.O. to RBP @ 1950' w/air mist. Take pitot gauges when possible. When wellbore is sufficiently clean, retrieve RBP @ 1950'. TOH.

15. TIH w/notched collar on 2-3/8" tbg & C.O. to below Chacra perfs 3010'. Take pitot gauges when possible.

16. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 1960'-1600'.

17. TIH with 2-3/8" tbg (tailpipe) with standard seating nipple one joint off bottom, 7" fullbore production packer, and 2-3/8" tbg. Set pkr @ 1950' w/tailpipe to 2980'. TIH w/1-1/2" 2.75# IJ tbg w/standard S.N. & bull plugged perf jt on bottom. Land tbg @ 1860'.

18. ND BOP and NU wellhead. Rig down & release rig.

Approve: _____
R. F. Headrick

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tagging:	Pro-Technics	326-7133

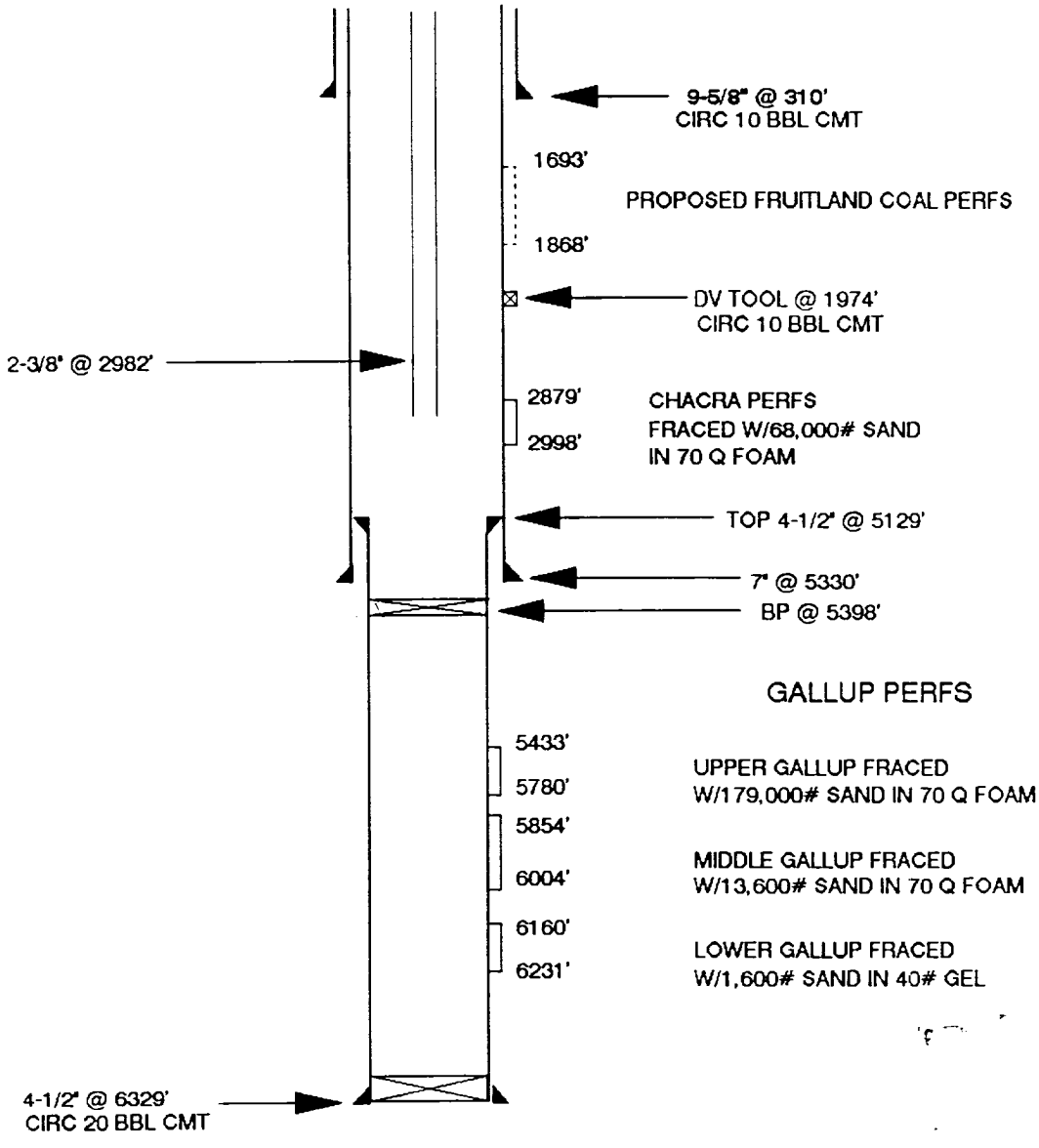
CONSULTANT: Alan Errett 327-5444

PMP

ANGEL PEAK B #37

UNIT A SECTION 24 T28N R11W
SAN JUAN COUNTY, NEW MEXICO

PRESENT



ANGEL PEAK B #37

UNIT A SECTION 24 T28N R11W
SAN JUAN COUNTY, NEW MEXICO

PROPOSED