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

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-23680

1. **Type of Well**
GAS

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
MERIDIAN OIL

7. **Lease Name/Unit Name**
Fee

8. **Well No.**
4

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

9. **Pool Name or Wildcat**
Blanco Mesaverde

10. **Elevation:** 5638 GR

4. **Location of Well, Footage, Sec., T, R, M**
1400'FSL, 1190'FEL, Sec.4, T-30-N, R-11-W, NMPM, San Juan County

1450

Type of Submission		Type of Action	
_X_	Notice of Intent	___ Abandonment	___ Change of Plans
		___ Recompletion	___ New Construction
___	Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
		___ Casing Repair	___ Water Shut off
___	Final Abandonment	___ Altering Casing	___ Conversion to Injection
		_X_ Other - Bradenhead repair	

13. Describe Proposed or Completed Operations

It is intended to repair the bradenhead of the subject well according to the attached procedure and wellbore diagram.

JAN - 8 1996

SIGNATURE Peggy Bradfield (LWD4) Regulatory Administrator January 8, 1996

(This space for State Use)

Approved by Johnny Robinson **Title** DEPUTY OIL & GAS INSPECTOR, DIST. #3 **Date** JAN - 8 1996

WORKOVER PROCEDURE - BRADENHEAD REPAIR

FEE # 4
Blanco Mesaverde
SE/4 Sec. 4, T30, R11
San Juan Co., New Mexico
DPNO 11436A

1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location.

2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 1% KCl water.

3. Blow down tubing (151 jts. of 2 3/8", 4.7 #, EUE set at 4643') to atmospheric tank. Control well with 1% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine or WSI for inspection.

4. PU on tubing and strap out of hole. Visually inspect tubing, and replace joints that are in bad condition. Note any buildup of scale, and notify Operations Engineer.

5. RU wireline unit. Run gauge ring inside liner (4 1/2", 10.5 ppf) to 4100'. Wireline set 4 1/2" RBP at 4050'. Pressure test casing to 1000 psig. Dump one sack of sand on top of RBP.

6. Run CBL (with 1000 psig pressure) to determine TOC behind 7" casing. (Estimated TOC is 703' per calculated top at 75% efficiency). Contact Operations Engineer for design of squeeze cement.

7. Perforate 4 squeeze holes as close as possible to TOC. TIH with 7" fullbore packer and set 200' above perforations. Pressure up casing/tubing annulus to 500 psig. Establish rate into perforations with bradenhead valve open. (If circulation is established through bradenhead valve, circulate hole clean).

8. Mix and pump cement in turbulent flow. Displace cement to packer. Close bradenhead valve and squeeze cement into perforations. (Max squeeze pressure 1000 psi). Maintain squeeze pressure and WOC 12 hours (overnite).

9. TIH with 6 1/4" bit and drill out cement. Pressure test casing to 1000 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.

10. TIH with retrieving tool and retrieve RBP from 4 1/2" liner. POOH and LD RBP. TIH with 3 7/8" bit and casing scraper. CO to PBTD (4770') with air. Blow well clean and gauge production. POOH.

11. TIH with production tubing (seating nipple with pump-out plug one joint off bottom). Land tubing at 4680'.

12. ND BOP's and NU wellhead. Pump plug from tubing. Obtain final gauge. Release rig.

Recommend: _____
Operations Engineer

Approve: _____
Drilling Superintendent

Contacts: Operations Engineer Larry Dillon 326-9714

Fee #4

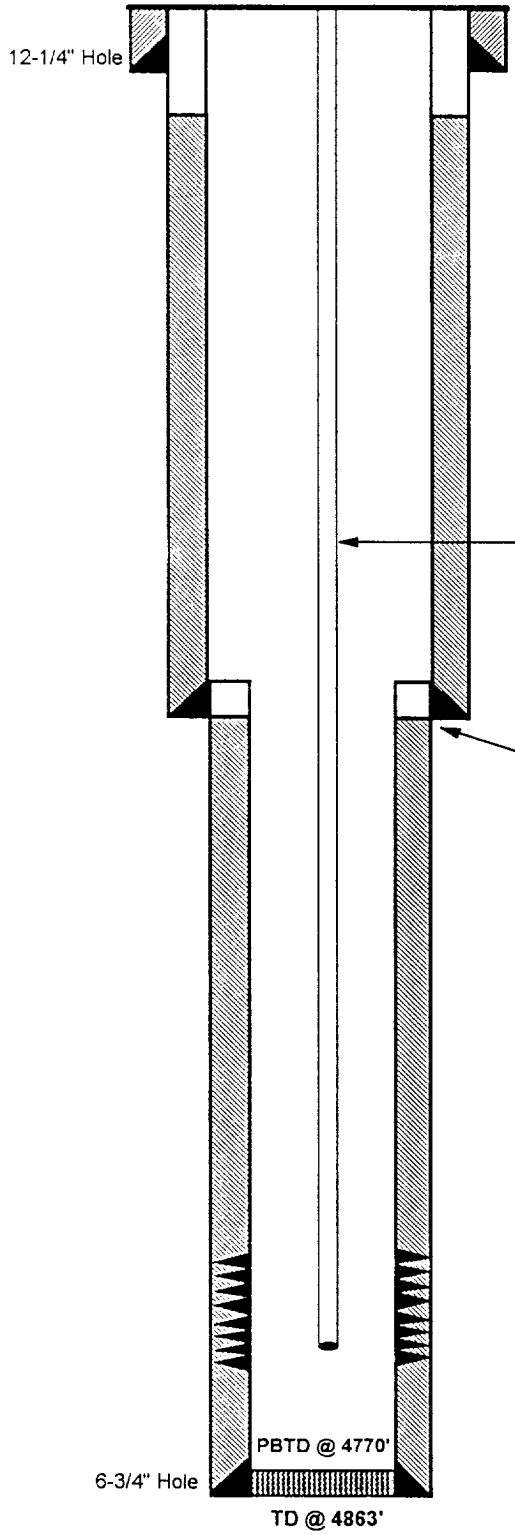
Current -- 1/5/96

DPNO 11436A

Blanco Mesaverde

1400' FSL, 1190' FEL
Sec. 4, T30N, R11W, San Juan County
Longitude / Latitude: 107.990662 - 36.837814

Spud: 1/2/80
Comp: 3/5/80
Elev.: 5638' (GR)
5651' (KB)
Logs: IES, GR Density
Ind-GR



Ojo Alamo @ 653'

Fruitland @ 1793'

Pictured Cliffs @ 2123'

Cliffhouse @ 3793'

Point Lookout @ 4439'

9-5/8", 32.3#, H40 csg. set @ 247'
Cmt. w/110 sx, circ. to surface.

TOC @ 703' (Calc. 75% Effic.)

***Drilling schedule in well file indicates a DV tool to be placed @ 860'. No drilling records in well file or NMOCD file to indicate a DV tool or 2 stage cmt. job.**

2-3/8" tbg. set @ 4643'
151 jts., SN

TOL @ 2290'

7", 20#, K55 csg. set @ 2391'
Cmt. w/350 sx

TOC @ 2391' (Calc. 75% Effic.)

Perfs @ 4146', 4152', 4204', 4206', 4300', 4306', 4332', 4338', 4419', 4426', 4436', 4442', 4450', 4458', 4472', 4483', 4501', 4501', 4514', 4524', 4530', 4630', 4662', 4681' -- 23 Holes
Frac. w/160,000 wtr., 140,000# 20/40 sd.

4-1/2", 10.5#, K55 liner set from 2290' - 4786'
Cmt. w/350 sx, TOC @ 2391'
Well file - "Excellent to very good pipe bonding thru the zones of interest." Blue Jet ran GR-Collar-CBL Logs

Initial Potential:

Initial AOF:	9,940 Mcf/d	3/13/80
Initial SITP:	412 Psig	3/13/80
Last SITP:	352 Psig	8/4/93

Production History:	Gas	Oil
Cum	1.2 Bcf	4.0 Mbo
Production as of 11/95	131 Mcf/d	4 bo

Ownership:
GWI: 57.500000%
NWI: 42.865085%

Pipeline:
EPNG

Atba