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

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-24089

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.**
12

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

9. **Pool Name or Wildcat**
Aztec Pictured Cliffs/
Blanco Mesaverde

4. **Location of Well, Footage, Sec., T, R, M**
1595'FSL, 1025'FEL, Sec.12, T-30-N, R-12-W, NMPM, San Juan County

10. **Elevation:**

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 -	

13. Describe Proposed or Completed Operations

It is intended to workover the subject well according to the attached procedure and wellbore diagram.

RECEIVED
DEC 2 2 1994
OIL CON. DIV.
DIST. 3

SIGNATURE Peggy Bradfield (LWD4) Regulatory Affairs December 21, 1994

(This space for State Use)
Approved by Johnny Robinson Title DEPUTY OIL & GAS INSPECTOR, DIST. # Date DEC 2 2 1994

WORKOVER PROCEDURE

FEE # 12
Pictured Cliffs/Mesaverde - Bradenhead Repair
SE/4 Sec. 12, T30N, R12W
San Juan Co., New Mexico
DPNO 11443A (MV); 11443B (PC)

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 fresh water.

3. Blow down Pictured Cliffs tubing (63 jts, 1 1/4", 2.33 ppf, EUE), and Mesaverde tubing (141 jts, 2 3/8", 4.7 ppf, EUE) to atmospheric tank. Control well with fresh water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine for inspection.

4. PU on Pictured Cliffs tubing and strap out of hole. Unseat Mesaverde tubing from production packer (7" Baker Model D) at 2090', 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. Send packer seal assembly to Baker for re-dress.

5. RU wireline unit. Run gauge ring in intermediate casing (7", 20 ppf) to top of packer at 2090'. PU 7" RBP and TIH. Set RBP at 1935'. Pressure test casing to 1000 psig. Spot two sacks of sand on top of RBP.

6. Run CBL to determine TOC behind 7" casing. Estimated TOC is calculated to be at 1079'. Perforate 4 squeeze holes 20' above TOC.

7. TIH with 7" fullbore packer and set 150' above squeeze holes. Pressure up backside to 500 psig. Establish rate into perforations with bradenhead valve open. Max pressure 1000 psig.

8. Determine cement volume required to fill casing-hole annulus from squeeze perforations back to surface. Tail slurry must fill up to 465' (50' above Ojo Alamo formation top at 517') with 100% excess. Lead slurry will be light weight cement with fluid loss additive. Tail slurry will be class B cement with .2% Super CBL additive.

9. Mix and pump calculated cement slurry with turbulent flow behind pipe. (If cement circulates to surface, go immediately to tail slurry.) Displace cement to packer, close bradenhead valve and squeeze 2 to 4 bbl of cement into perforations. Release packer, pull up hole one stand, reverse circulate, and reset packer. Re-apply squeeze pressure and WOC 12 hours (overnite).

10. Release packer and POOH. TIH with 6 1/4" bit and drill out cement. Pressure test casing to 1000 psig. Re-squeeze as necessary to hold pressure.

11. TIH with retrieving tool and retrieve RBP from 7" casing. POOH and LD RBP. Make scraper run (7", 20 ppf) to top of packer at 2090'. TIH with 3 1/8" bit or mill and CO to PBTD with air (Use turned-down tubing collars for all tubing to go

through packer during clean-out). Blow well clean and gauge production. POOH.

12. TIH with Mesaverde production tubing (seating nipple and pump-out plug one joint off bottom, top of Baker Model D seal assembly 2530' off bottom, and turned-down collars below packer). Land tubing at 4620' with packer seal assembly landed at 2090'. TIH with Pictured Cliffs production tubing (seating nipple and blanking plug one joint off bottom), and land at 2060'.

13. ND BOP's and NU wellhead. Pull blanking plug from Pictured Cliffs tubing, and then pump plug from Mesaverde tubing.

14. Release rig, re-run bradenhead test, and re-establish production.

Recommend: _____
Operations Engineer

Approve: PDB _____
Drilling Superintendent

Contacts:	Cement	Halliburton	325-3575
	Downhole Tools	Baker	325-0216
	Wireline	Blue Jet	325-5584
	Operations Engineer	Larry Dillon	326-9714

lwd 12/19/94

PERTINENT DATA SHEET

12/19/94

WELLNAME:	Fee #12	**DP NUMBER:**	11443A (MV) 11443B (PC)
WELL TYPE:	Blanco Mesaverde Aztec Pictured Cliffs	**ELEVATION:**	GL: 5653' KB: 5666'
LOCATION:	1595' FSL, 1025' FEL Sec. 12, T30N, R12W San Juan County, New Mexico	**INITIAL POTENTIAL:** **SICP:**	AOF 210 Mcf/d (MV) AOF 72 Mcf/d (PC) 567 (MV) 352 (PC)
OWNERSHIP:	(MV) (PC) GWI: 57.5000% 57.5000% NRI: 48.8750% 48.8750%	**DRILLING:**	SPUD DATE: 12-03-79 COMPLETED: 03-04-80 TOTAL DEPTH: 4730' PBTD: 4670'

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT		TOC
13 3/4"	9 5/8"	32.3#	K55	239'	-	110 sx	Circ.	Surface
9 5/8"	7"	20#	K55	2195'	-	300 sx	est 75% effic.	1079'
6 1/4"	4 1/2"	10.5#		2101' -- 4696'	-	310 sx	est 75% effic.	2743'
Tubing 63 jts	2 3/8"	4.7#	EUE	4369' (MV)	Model D Paker @ 2090'			
1211 jts.	1 1/4"	2.33#	EUE	2047' (PC)				

FORMATION TOPS:

Ojo Alamo	517'	Point Lookout	4367'
Kirtland	629'	Mancos	
Fruitland	1698'	Gallup	
Pictured Cliffs	2025'	Graneros	
Lewis		Dakota	
Mesa Verde	3618'		
Menefee	3751'		

LOGGING: IES, Gamma Ray, CBL

PERFORATIONS
(MV) 4368' -- 4619' (27 holes)
(PC) 2037' -- 2060' (7 holes)

STIMULATION:
(MV) 1,400 gal 7 1/2 HCL, 110,000# sand & 144,000 gal. water
(PC) 500 gal 15% HCL, 60,000# sand & foam fraced with 70% quality foam

WORKOVER HISTORY:

Jun-81 Pulled 2 3/8" tubing and fished RBP @ 4468'. Blow down and clean out MV zone (4368' -- 4619'). Perforated and fraced PC zone. Mill BP @ 2132' and CO to 4630'. Set Baker Model D Packer @ 2090'. Reran 2 3/8", 4.7#, EUE MV tubing and landed @ 4369'. Ran 1 1/4", 2.33#, EUE PC tubing and landed @ 2047'.

PRODUCTION HISTORY:	Gas	Oil		DATE OF LAST PRODUCTION:	Gas	Oil	
Cumulative as of 1994:	330.5 MMcf	2.1 MBbl	(MV)	October, 1994	2.1 MMcf	25 Bbl	(MV)
Current:	2.1 Mcfm	25 Bopm	(MV)				
Cumulative as of 1994:	36.9 MMcf	0 Bbl	(PC)	October, 1994	174 Mcf	0 Bbl	(PC)
Current:	174 Mcfm	0 Bbl	(PC)				

PIPELINE: EPNG

Fee #12

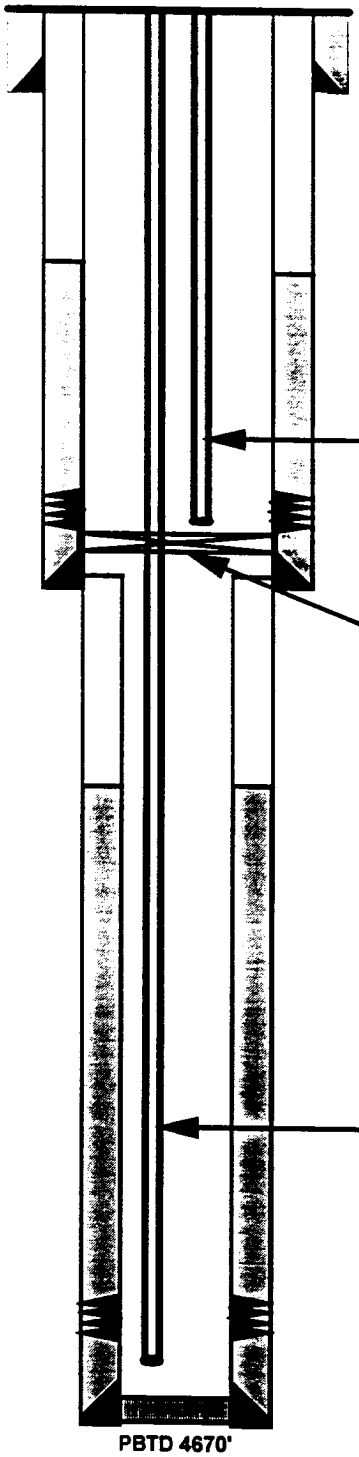
CURRENT - 12-16-94

MV - PC

1595' FSL, 1025' FEL,
Section 12, T-30-N, R-12-W, San Juan County, NM

Spud: 12-3-79

Completed : 3-4-80



9 5/8", 32.3#, K55 Csg set @ 239'
Circulated 110 sx cmt to surface

Ojo Alamo @ 517'
Kirtland @ 629'

Top of Cmt @ 1079' (est. 75% effic.)

Fruitland @ 1698'

1 1/4", EUE, set @ 2047'

Pictured Cliffs @ 2025'

PC Perfs @ 2037' –2060' (7 Holes)

7", 20#, K55, Csg set @ 2195'
cemented w/ 300 sx cmt

Packer @ 2090'

Top of Cmt @ 2743' (est. 75% effic.)

Mesaverde @ 3618'

Menefee @ 3751'

2-3/8", EUE set @ 4369'

Point Lookout @ 4367'

MV Perfs @ 4368' – 4619' (27 Holes)

4 1/2", 10.5#, Liner set from
2101'–4696' cemented w/ 310 sx cmt

PBTD 4670'

TD 4730'