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

2. **Name of Operator**
   MERIDIAN OIL

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

4. **Location of Well, Footage, Sec., T, R, M**
   1700'FNL, 1620'FWL, Sec.19, T-27-N, R-10-W, NMPM

5. **Lease Number**
   SF-078022
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
   Huerfano Unit
8. **Well Name & Number**
   Huerfano Unit #101
9. **API Well No.**
   30-045-13042
10. **Field and Pool**
    Angels Peak Gallup/ Basin Dakota
11. **County and State**
    San Juan Co, 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
	___ 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 repair the bradenhead of the subject well and downhole commingle according to the attached procedure and wellbore diagram.

RECEIVED
FEB 1 3 1995
OIL CON. DIV.
DIST. 3

14. **I hereby certify that the foregoing is true and correct.**

Signed [signature] (LWD2) Title Regulatory Affairs Date 1/30/95

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED
FEB 08 1995
DISTRICT MANAGER

NMOCD

WORKOVER PROCEDURE - BRADENHEAD REPAIR/COMMINGLE

HUERFANO # 101
Gallup/Dakota Duel
NE/4 Sec. 19, T27N, R10W
San Juan Co., New Mexico

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 2% KCl water.

3. Blow well down to atmospheric tank. Control well with 2% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine for inspection and necessary re-dress.

4. PU on Gallup tubing (5456' of 2 3/8", 4.7#), and strap out of hole. Control well with 2% KCl water as needed. Visually inspect Gallup tubing, and replace joints that are in bad condition. Note any buildup of scale and notify Operations Engineer.

5. PU on Dakota tubing (6172' of 2 3/8" 4.7#), unseat from packer (Baker Model D) at 5536', and strap out of hole. Visually inspect Dakota tubing, and replace joints that are in bad condition. Note any buildup of scale and notify Operations Engineer. TIH with Baker milling tool and mill out permanent packer.

6. TIH with 6 1/4" bit, clean out to PBTD with water, circulate hole clean, and POOH. TIH with retrievable bridge plug and packer. Set RBP at 5235', and pressure test casing to 1000 psig. (Note: there is a suspected casing leak). If pressure test fails, go to step 6a.

   6a. Dump two sacks sand on RBP. Isolate casing failure with retrievable packer, and POOH. Notify Operations Engineer of casing failure location. Run CBL to determine cement top. Estimated TOC at 1500' per temperature survey.

   7a. Determine cement volume required to fill casing-hole annulus from casing failure back to surface. Tail slurry must fill up to 559' (50' above Ojo Alamo formation top at 609') 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.

   8a. Set retrievable packer 150' above casing failure. Open bradenhead valve. Mix and pump cement (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).

   9a. PU 6 1/4" bit and clean-out squeeze cement from wellbore. Pressure test casing to 1000 psig. Re-squeeze as necessary to hold pressure.

7. TIH with retrieving tool and retrieve RBP from 7" casing. POOH and LD RBP.

8. PU 6 1/4" bit and clean out to PBTD (6291') with air. Use string float as needed while blowing with air. Blow well clean and obtain gauges, and POOH.

9. TIH with production tubing (seating nipple and pump out plug one joint off bottom), and land tubing at 6180'.

10. ND BOP's and NU wellhead. Pump plug from tubing.

11. Release rig, and re-establish production.

Recommended: _____
Operations Engineer

Approval: _____
Drilling Superintendent

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

lwd 01/20/95

PERTINENT DATA SHEET

1/23/95

WELLNAME:	Huerfano Unit #101	**DP NUMBER:**	53048A (GP) 53048B (DK)
WELL TYPE:	Gallup Dakota	**ELEVATION:**	**GL:** 5891' **KB:** 5903'
LOCATION:	1700' FNL 1620' FWL Sec. 19, T27N, R10W San Juan County, New Mexico	**INITIAL POTENTIAL:** **SICP:**	AOF 9,765 MCF/D (DK) AOF 1,000 MCF/D (GP) 6/93 440 psi
OWNERSHIP:	**GWI:** 61.8659% **NRI:** 46.8468%	**DRILLING:**	**SPUD DATE:** 10-03-60 **COMPLETED:** 10-17-60 **TOTAL DEPTH:** 6340' **PBTD:** 6291'

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT		TOC
12 1/4	9 5/8"	32.2#	H40	290'	-	172 sx	Circ.	Surface
8 3/4"	7"	23#	N80	6337'	DV Tool @ 1794' Baker Model D Packer @ 5536'	240 sx	TS	1500'
Tubing	DK 2 3/8"	4.7#	J55	6172'				
	GP 2 3/8"	4.7#	J55	5489'				

FORMATION TOPS:

Ojo Alamo	609'	Point Lookout	4053'
Kirtland	700'	Mancos	4294'
Fruitland	1303'	Gallup	5144'
Pictured Cliffs	1621'	Graneros	6046'
Lewis	1707'	Dakota	6160'
Cliff House	3592'		
Menefee	3650'		

LOGGING: IES, S, GR, TS

PERFORATIONS
Gallup: 5336' -- 5518' (total of 116 shots)
Dakota: 6078' -- 6182' (total of 62 shots)

STIMULATION:
Gallup: 45,474 gal. oil, 60,000# 20/40 sand
Dakota: 48,560 gal. oil, 50,000# 20/40 sand

WORKOVER HISTORY:

March, 1989	Gallup swabbed one day. Report stated 200' mud plug in tubing.
June, 1989	Gallup swabbed for 5 days. Well logged off soon after each run.
April, 1994	Set tubing plug in DK tubing @ 6111' (estimated because of tools dropped on top). Gallup tubing pulled. 3' perf jt. removed. CO to top of packer. TIH w/ 2 3/8" tubing, landed @ 5489', SN @ 5456'. Dakota tubing could not be pulled. Tubing plug stuck in F nipple.

PRODUCTION HISTORY:

	Gas	Oil	
Cumulative as of 1994:	2.155 Bcf	30 MBbl	(GP)
	2.286 Bcf	27.6 MBbl	(DK)
Current:	0 Mcf	0 Bbl	

DATE OF LAST PRODUCTION:

	Gas	Oil	
June, 1989	8 Mcf		(GP)
October, 1989		45 Bbl	(GP)
April, 1994	2.3 MMcf	14 Bbl	(DK)

PIPELINE: EPNG

Huerfano Unit #101

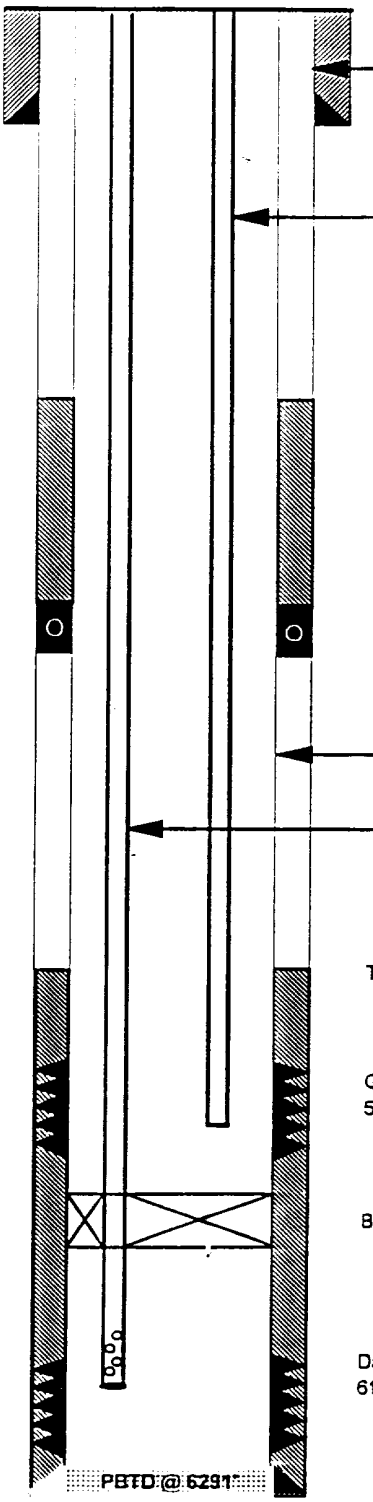
Current

Gallup / Dakota
DPNO 53048A, 53048B

1700' FNL,1620' FWL
Section 19,T27N, R10W, San Juan Co., NM

Spud:10-03-60

Completed :10-17-60



9 5/8", 32.3# surface csg.
Set @ 290', Cement circulated to surface.

Ojo Alamo @ 609'

Kirtland @ 700'

2 3/8", 4.7# Gallup tbg landed @ 5469'
Seating nipple @ 5456'

Fruitland @ 1303'

TOC @ 1500' (TS)

Picured Cliffs @ 1621'

Lewis @ 1707'

DV tool @ 1794'

Cliff House @ 3592'

Menefee @ 3650'

7", 23#, N80 csg set @ 6337'

Point Lookout @ 4053'

2 3/8", 4.7#, Dakota tbg landed @ 6172'
Perforated Sub @ 6137'-40', Seating nipple @ 6136'.

Mancos @ 4294'

TOC @ 4713 (Calc.- 75%)

Gallup @ 5144'

Gallup Perforations@ 5336'-48', 5404'-10', 5420'-36', 5444'-52', 5502'-18' (2 spf)

Graneros @ 6046'

Baker model D packer set @ 5536'

Dakota @ 6160'

Dakota Perforations @ 6078'-88', 6108'-14', 6167'-82' (2 spf)

PBTD @ 6291'

TD @ 6340'

Huerfano Unit #101

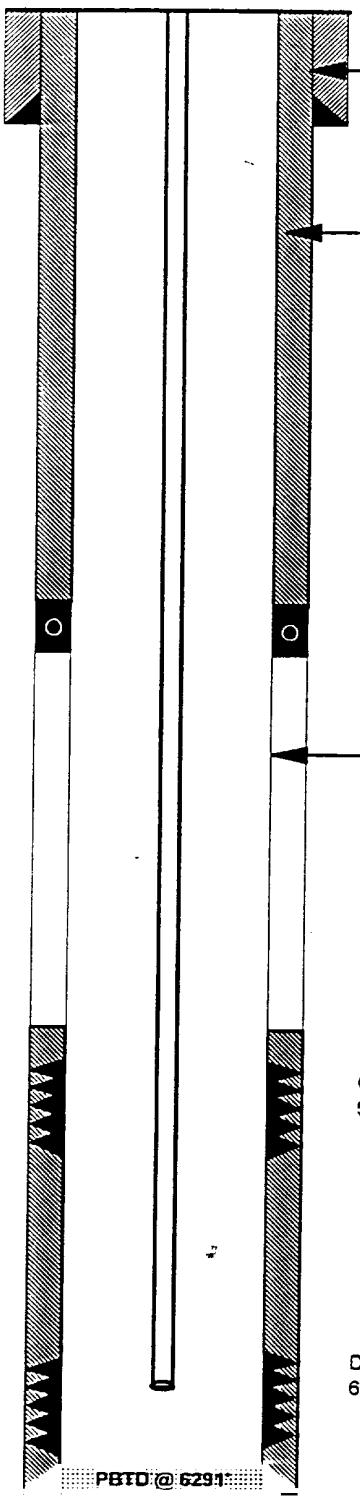
Proposed

Gallup / Dakota
DPNO 53048A, 53048B

1700' FNL,1620' FWL
Section 19,T27N, R10W, San Juan Co., NM

Spud:10-03-60

Completed :10-17-60



9 5/8", 32.3# surface csg.
Set @ 290', Cement circulated to surface.

Squeeze cement circulated to surface.

Ojo Alamo @ 609'

Kirtland @ 700'

Fruitland @ 1303'

Picured Cliffs @ 1621'

Lewis @ 1707'

DV tool @ 1794'

Cliff House @ 3592'

Menefee @ 3650'

7", 23#, N80 csg set @ 6337'

Point Lookout @ 4053'

Mancos @ 4294'

Gallup @ 5144'

TOC @ 4713 (calculated 75%)

Gallup Perforations@ 5336'-48', 5404'-10', 5420'-36', 5444'-52', 5502'-18' (2 spf)

Graneros @ 6046'

Dakota @ 6160'

Dakota Perforations @ 6078'-88', 6108'-14', 6167'-82' (2 spf)

PBTD @ 6291'

TD @ 6340'