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**
I-149-IND-8473

6. **If Indian, All. or Tribe Name**
Navajo

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Huerfanito Unit 82

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

9. **API Well No.**
30-045-12189

4. **Location of Well, Footage, Sec., T, R, M**
1550'FSL, 990'FWL Sec.25, T-27-N, R-9-W, NMPM

10. **Field and Pool**
Blanco MV/Basin Dk

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 Injectio	
	_x_ Other -		

13. **Describe Proposed or Completed Operations**

It is intended to open and stimulate additional Mesa Verde pay and commingle the Mesa Verde and Dakota formations in this current dual Mesa Verde/Dakota well per the attached procedure.

RECEIVED
JUL 11 1994
OIL CON. DIV.
DIST. 3

94 JUN 14 AM 7:37
070 FARMINGTON NM

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

Signed Peggy Bradfield (MP) Title Regulatory Affairs Date 6/13/94

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

JUN 14 1994
DISTRICT MANAGER

NMOCD

HUERFANITO UNIT #82 MV/DK
Recommended Procedure
Open Lower MV & Commingle w/DK
L 25 27 9

1. Comply to all NMOCD, BLM, & MOI, rules & regulations. MOL and RU completion rig. Blow well down. NU 7-1/16" 900 series BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.

2. TOH W/139 Jts 1-1/4" tbg & lay down. Set blanking plug in 2-3/8" tbg in S.N. @ 6688' & pressure test to 3000 psi. TOH w/213 Jts 2-3/8" tbg & Baker Model "F" seal assembly @ 4600".

3. Run 5-1/2" "CJ" milling tool on tested 2-3/8" tbg & mill (w/air/mist) & retrieve Baker Model "F" pkr @ 4600'. TOH.

4. MI Wireline Truck. Set 5-1/2" top drillable BP @ 4950' & top w/2 sx sand. Run CBL from 4900' to top of cmt and pulsed neutron log from 4900'-3700' & 3300'-3000'. Coorelate to open hole density log. Hot-shot logs to Production Engr Dept. Lower Point Lookout perfs will be picked at this time.

5. If unsufficient cmt is across lower Point Lookout 4700'-4800', perf 2 sq holes @ 4800'. W/5-1/2" pkr @ 4600' on 2-3/8" tbg, sq w/100 sx Cl "B" w/2% CACL2 & 3#/SX HI-SEAL for a yield of 1.21 cf/sx (15.6 #/gal). Unseat pkr, reverse out (if possible), reset & repressure. WOC. TOH.

6. TIH w/4-3/4" bit on 2-3/8" tbg & drill out cmt to 4850' w/air/mist. TOH. Run CBL from 4850'to top cmt. Resq if necessary.

7. When sufficient cmt is across proposed lower Point Lookout perfs, perf w/ 2 spf. Perfs will be a total of about 25' (50 holes) from 4780'-30'. Perf w/Tolson jets.

8. Spot and fill 5 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. Four tanks for gel and one for breakdown. Usable water required for frac is 1,231 bbls.

9. Run 5-1/2" pkr on 3-1/2" 9.3# P-110 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 4650'. Breakdown & attempt to balloff w/2000 gal 15% HCL acid & 125 perf balls. Acid to contain 1 gal/1000 gals water of F75N (surfactant) & 10#/1000 of L58 (corrosion inhibitor). Maximum pressure = 4500 psi. Record breakdown pressures. Lower pkr to 4800' to knock off perf balls. Reset pkr @ 4700'.

10. W/backside open, fracture treat well down rental frac string with 50,000 gals. of 20# gel water and 40,000# Arizona sand. Pump at 35 BPM. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure (@ 35 BPM) is 6000 psi and estimated treating pressure is ???? psi. Frac string friction @ 35 BPM is ???? psi. Treat per the following schedule:

Stage	Liquid (Gals.)	Sand Vol. (lbs.)
Pad	10,000	----
0.5 ppg	10,000	5,000
1.0 ppg	20,000	20,000
1.5 ppg	10,000	15,000
Flush	(1,720)	----
Totals	50,000	40,000#

Cut flush by 25-30% if frac gradient is less than static water.
Treat frac fluid with the following additives per 1000 gallons:

* 4.6 gal J877 (Base 20# Guar Gel)
* 1.0 gal. F75N (Non-ionic Surfactant)
* 1.0# J134 (Enzyme Breaker)
* 0.35# M275 (Bacteriacide)

11. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed.

12. When well stops flowing, TOH w/frac string & pkr & lay down. TIH w/notched collar on 2-3/8" tbg & C.O. w/air/mist to BP @ 4950'. Take pitot gauges when possible.

13. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 4950'-4400'.

14. TIH w/retrieving tool on 2-3/8" tbg and again CO to 4950'. When wellbore is sufficiently clean, retrieve BP & TOH.

15. TIH w/4-3/4" bit on 2-3/8" tbg & CO to 6750' w/air/mist. **Take pitot gauges when possible.** TOH.

16. TIH with 2-3/8" production tbg with standard seating nipple one joint off bottom to 6750' and again blow well clean. When well is clean, land tbg @ 6600'. Take final pitot gauges, water & oil samples, and gas samples.

17. ND BOP and NU wellhead. Replace any bad valves on wellhead. Rig down & release rig.

Approved: _____
J. A. Howieson

VENDORS:

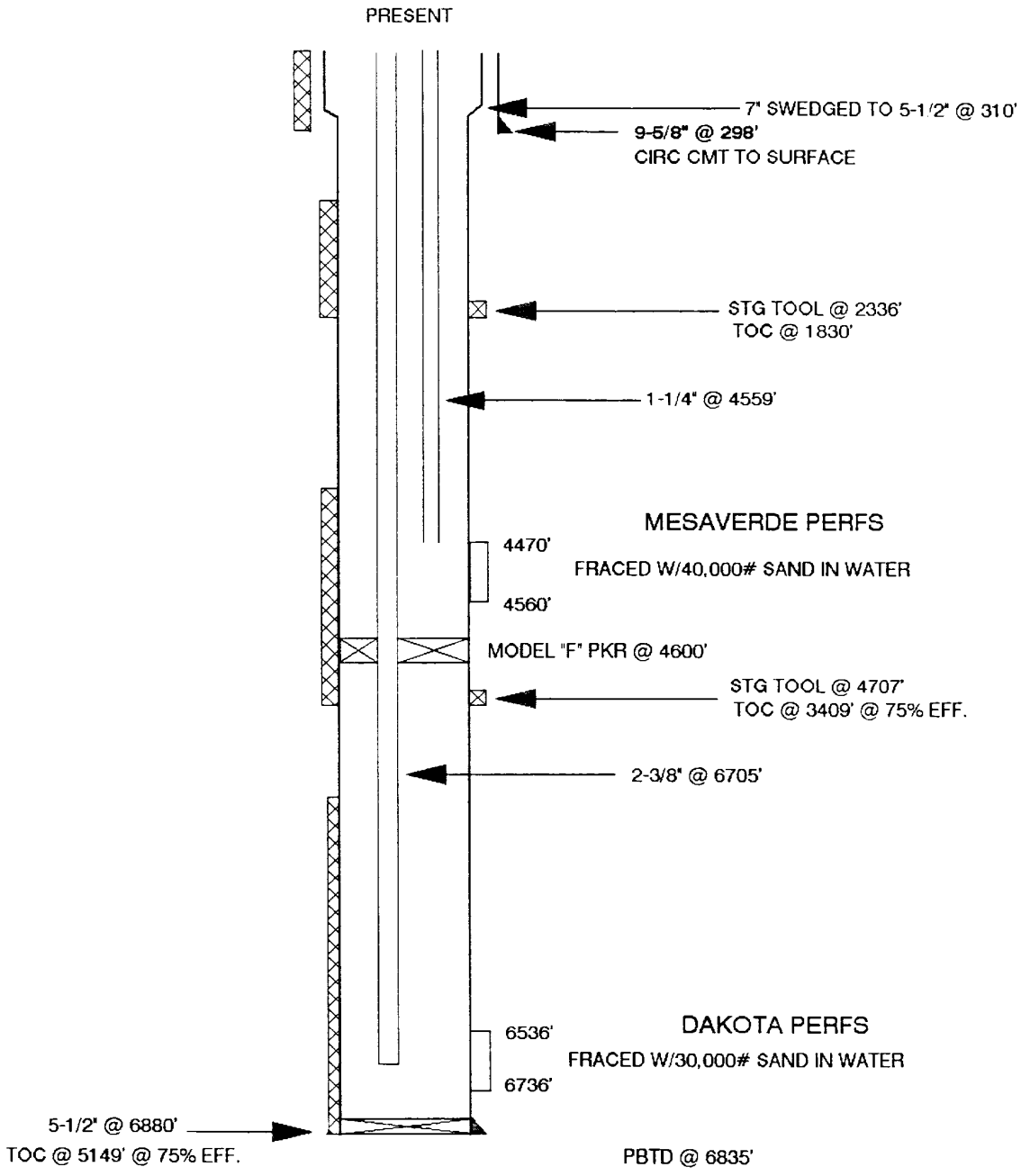
Wireline:	Blue Jet	325-5584
Frac & Acid:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133

PMP

HUERFANITO UNIT #82 MV/DK

UNIT L SECTION 25 T27N R9W

SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - HUERFANITO UNIT #82 MV/DK

Location: 1550'FSL 990' FWL SEC. 25 T27N R09W, SAN JUAN COUNTY, N.M.

Field: Basin Dakota
Blanco Mesaverde

Elevation: 6270' **TD:** 6880'
11'KB **PBTD:** 6835'

Prop#: 007970500
Lease: I-149-IND-8473
DP#: DK=30047 MV=30028
GWI: MV=87.85% DK=95.14%
NRI: MV=73.20% DK=77.48%

Completed: 10-9-65

Initial Potential:

DK: AOF=2734 MCF/D, Q=2632 MCF/D, SICP=2184 PSI
MV: AOF=8200 MCF/D, Q=5899 MCF/D, SICP=1087 PSI

Casing Record:

Hole Size	Csg. Size	Wt. & Grade		Depth Set	Cement	Top/Cmt
13-3/4"	9-5/8"	32.4#	H-40	298'	300 cf	Circ. Cmt
7-7/8"	7"	23#	J-55	(310')		
7-7/8"	5-1/2"	15.5#	J-55	6880'	400 cf	5149'@ 75% Eff.
			DV Tool @	4707'	300 cf	3409'@ 75% Eff.
			DV Tool @	2336'	400 cf	1830' - Survey

Tubing Record: 2-3/8" 4.7# J-55 6705' 213 Jts S.N. @ 6688'
Baker Model "F" Pkr @ 4600'
1-1/4" 2.4# J-55 4559' 139 Jts

Formation Tops:

Ojo Alamo	1284'	Gallup	5630'
Kirtland	1423'	Greenhorn	6450'
Fruitland	2020'	Graneros	6490'
Pictured Cliffs	2160'	Dakota	6598'
Cliffhouse	3732'		
Point Lookout	4452'		

Logging Record: Induction, Density

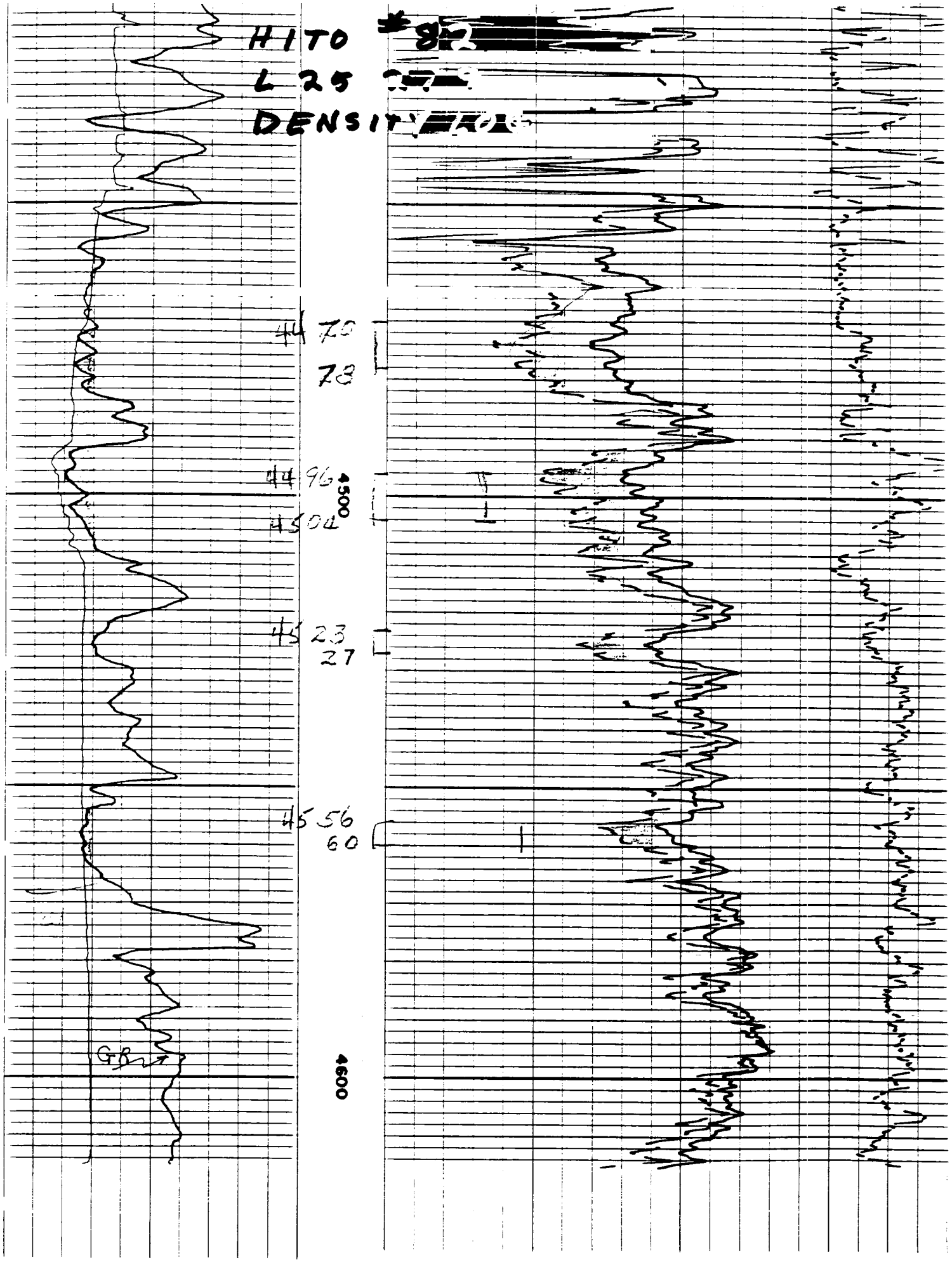
Stimulation: Perf DK @ 6736'-32' w/2 spf & 6708'-16', 6620'-28', 6602'-10' w/1 spf & 6536'-40' w/4 spf & fraced w/30,000# sand in water.
Perf MV @ 4560'-56', 4523'-27' w/4 sfp & 4496'-4504', 4478'-70' w/2 spf & fraced w/40,000# sand in water.

Workover History: 8-6-82: Pulled 1-1/4" & 2-3/8" tbgs & CO to TD. Reran tbgs & seal assembly.

Production History: MV 1st delivered on 1-1-66. Cumulative: MV=2343 MMCF & 25,807 BO. DK=1737 MMCF & 8765 BO. Tbg=??? psi. Csg=??? psi. Bradenhead=? psi. Line=??? psi.

Pipeline: EPNG

PMP


HITO
L 25
DENSITY
4472
78
4496
500
4504
4523
27
4556
60
GR
600


HITO #82
INDUCTION LOG
4500
4600
4700
4800
4900
SP