submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED BLM

94 FEB 15 AM 11:37

070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078388

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

7. **Unit Agreement Name**
Huerfanito Unit

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Huerfanito Unit 81

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

9. **API Well No.**

4. **Location of Well, Footage, Sec., T, R, M**
800'FNL, 790'FEL Sec.11, T-26-N, R-9-W, NMPM

10. **Field and Pool**
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	___ Recompletion	___ Change of Plans
___ Subsequent Report	___ Plugging Back	___ Casing Repair	___ New Construction
___ Final Abandonment	___ Altering Casing	_x_ Other -	___ Non-Routine Fracturing ___ Water Shut off ___ Conversion to Injectio

13. Describe Proposed or Completed Operations

It is intended to open and stimulate additional Dakota pay per the attached procedure.

RECEIVED
FEB 24 1994
OIL CON. DIV.
DIST. 3

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

Signed [signature] (MP) Title Regulatory Affairs Date 2/14/94

APPROVED
FEB 16 1994
Date
/s DISTRICT MANAGER

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

NMOCD

Huerfanito Unit #81 DK
Pay Add Procedure
A 11 26 9
San Juan County, N.M.

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. NU blooie line and 2-7/8" relief line.

2. TOH w/ 207 Jts 2-3/8" tbg. (Wellfile is uncertain on S.N., perf jt, and/or bull plug). TIH w/3-7/8" bit on tested 2-3/8" tbg & C.O. from PBTD 6571' to new PBTD of 6590' w/air mist. TOH.

3. Spot and fill 4 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. Three tanks are for gel & one tank for 2% KCL breakdown water. Usable water required for frac is 831 bbls.

4. Run CBL from 6590' to above TOC. Perf additional Dakota 6558'-64' w/2 spf. Perforate using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees & 2 spf. Avg. perf dia.= 0.48". Average penetration is 18" in Berea. Total 12 holes.

5. TIH w/4-1/2" pkr & 2-7/8" NUE N-80 rental tbg w/shaved collars & set @ 6500'. Load backside w/2% KCL water & monitor & record backside pressure. Breakdown & balloff new DK perfs w/1500 gal 15% HCL acid & 30 perf balls. Max. pressure is 4500 psi. Acidize w/2 gal/1000 corrosion inhibitor & 1 gal/1000 SAA-2 (surfactant). Record breakdown pressures. Lower pkr to 6570' to knock off perf balls. Reset pkr @ 6520'.

6. Load backside w/2% KCL water & monitor & record backside pressure during frac. Fracture treat well down frac string with 39,000 gals. of 30# X-linked gel & 40,000# 20/40 sand. Pump at 10 BPM. Monitor bottomhole and surface treating pressures, rate, & sand concentration with computer van. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 6500 psi and estimated treating pressure is 5140 psi. Total frac string friction @ 10 BPM is 2000 psi. Treat per the following schedule:

Stage	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	10,000	----
1.0 ppg	10,000	10,000
2.0 ppg	10,000	20,000
3.0 ppg	3,333	10,000
Flush	(1,580)	
Totals	33,333	40,000#

Shut well in after frac for six hours in an attempt to obtain closure pressure and allow the gel to break.
Treat frac fluid with the following additives per 1000 gallons:

* 30# LGC8 (Gel)
* 3.0 gal. AQF2 (Non-ionic Surfactant)

* 1.0# GVW3	(Enzyme Breaker)
* 1.0# B-5	(Breaker)
* 0.35# BE6	(Bacteriacide)

7. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.**

8. TOH w/2-7/8" frac string & pkr. TIH with 3-7/8" bit on 2-3/8" tbg and clean out to 6590' w/air-mist.

9. Monitor gas and water returns and **take pitot gauges when possible.**

10. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 6590'-6200'.

11. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 6590'. When wellbore is sufficiently clean, land tbg at 6500'KB. **Take final water and gas samples & rates.**

12. Replace or repair any bad wellhead valves. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____
J. A. Howieson

VENDORS:

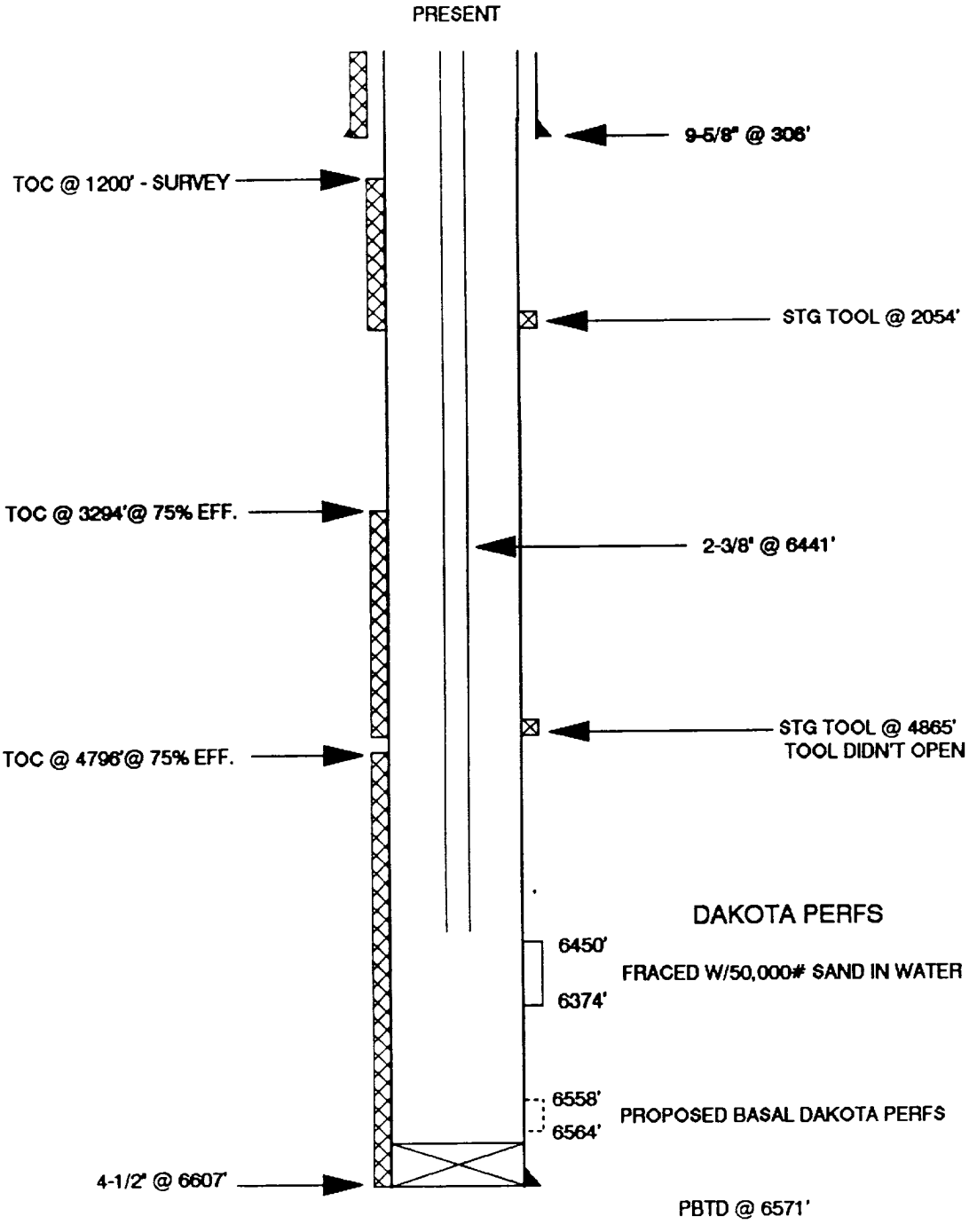
Wireline:	Basin	327-5244
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133

PMP

HUERFANITO UNIT #81 DK

UNIT A SECTION 11 T26N R9W

SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - HUERFANITO UNIT #81 DK

94 FEB 15 AM 11:38

070 FARMINGTON, NM

Location: 800'FNL 790' FEL SEC. 11 T26N R09W, SAN JUAN COUNTY, N. M.

Field: Basin Dakota

Elevation: 6181' **TD:** 6608'
10'KB **PBTD:** 6571'

LEASE: Federal SF-078388
DP#: 30046
GWI: 93.97%
NRI: 76.46%

Completed: 7-31-65

Initial Potential:
AOF=4679 MCF/D, Q=4164 MCF/D, SICP=2123 psi

Casing Record:

Hole Size	Csg. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
15"	9-5/8"	32.3# J-55	306'	250 sx	N/A
7-7/8"	4-1/2"	10.5# J-55	6607'	550 cf	4796'@ 75% Eff.
		Stage Tool @	4380'	330 cf	3294'@ 75% Eff.
		Stage Tool @	2054'	330 cf	1200' - Survey

Tubing Record: 2-3/8" 4.7# J-55 6441' 207 Jts
S.N. @ N/A

Formation Tops:

Ojo Alamo	1031'	Point Lookout	4236'
Kirtland	1211'	Gallup	5360'
Fruitland	1711'	Greenhorn	6198'
Pictured Cliffs	1903'	Dakota	6364'
Cliffhouse	3458'		

Logging Record: Induction Log, Sonic Log

Stimulation: Perf DK @ 6450'-58', 6389'-93', 6366'-74' & fraced w/50,000# sand in water.

Workover History: None

Production History: First Delivery = 7-1-74. Cumulative= 180 MMCF & 10,374 BO. Capacity = 0 MCF/D. Bradenhead = 0 psi. Tbg pressure = 55 psi. Csg pressure= 0 psi. Line Pressure = 234 psi.

Pipeline: EPNG

PMP