

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 SF-078135
2. Name of Operator MERIDIAN OIL	6. If Indian, All. or Tribe Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name Huerfanito Unit
4. Location of Well, Footage, Sec., T, R, M 660'FNL, 660'FEL Sec.3, T-26-N, R-9-W, NMPM	8. Well Name & Number Huerfanito U #71
	9. API Well No.
	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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other - add Mesa Verde
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to open the Mesa Verde formation and commingle with the Basin Dakota per the attached procedure. Application for commingling will be made with the New Mexico Oil Conservation Division.

RECEIVED
MAY 1 0 1993
OIL CON. DIV.
DIST. 1

RECEIVED
MAY 1 1993
OIL CON. DIV.
DIST. 1

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

Signed James Bradburn (MP) Title Regulatory Affairs Date 5/3/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

7c.

APPROVED

MAY 07 1993

DISTRICT MANAGER

HUERFANITO UNIT #71 MV
Recommended Procedure
A 3 26 9
San Juan County, New Mexico

REVISED PROCEDURE

1. Comply to all NMOCB, BLM, & MOI rules & regulations. MOL and RU completion rig. Blow well down. NDWH & NU 6" 900 series BOP with flow tee and stripping head. Test operation of rams. NU blooie line and two 2-7/8" relief line.
2. TOH W/6504' 2-3/8" tbq. Replace all bad jts.
3. Run 5-1/2" gauge ring to 4900'. Set 5-1/2" ret BP @ 4900' on 2-3/8" tbq & top w/1 sx sand. Pressure test tbq to 3000 psi. Load hole w/2% KCL water. TOH.
4. Run CBL from 4900' to above top of cmt in 5-1/2" csg. Run dual spaced neutron log 4900'-4000'. Correlate logs to open hole Electric log. Pressure test csg to 1000#. If proposed MV interval is not covered w/cmt, a sq procedure will be provided.
5. Using logs, Production Engr will pick perfs - 30-0.28" holes from about 4860' to 4508'. Perf MV w/3-1/8" HCG w/10 gr Owen 316 charges which have an average penetration in Berea of 14.7".
6. Fill 12 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. Eleven tanks for frac and one for breakdown. Water needed for frac is 3600 bbls.
7. TIH w/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 just above RBP @ 5000'. Pressure test ret. BP to 2500#.
8. PU to 4300' & reset pkr. Breakdown & attempt to balloff MV perfs w/2500 gal 15% HCL acid & 60 perf balls. Max pressure = 4000 psi. Acid to contain 1 gal/1000 aqua flow, and 2 gal/1000 I17 (corrosion inhibitor). Lower pkr below bottom perf to knock off balls. Reset pkr @ 4400' & prepare to frac.
9. With 500 psi held on backside & recorded, frac Mesavere down 3-1/2" frac string with 100,000# 20/40 Arizona sand in slick water w/2% KCL @ 45 BPM. All sand to be tagged with 0.40 mCi/1000# Ir-192 tracer. Max. pumping pressure is 6000 psi and estimated treating pressure is 4500 psi (frac string friction pressure @ 45 BPM = 2500 psi). Treat per the following schedule:

<u>Stage</u>	<u>Fluid (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	40,000	----
0.5 ppg	40,000	20,000
1.0 ppg	50,000	50,000
1.5 ppg	20,000	30,000
Flush	1,185	----
Totals	150,000	100,000#

HUERFANITO UNUT #71 MV - COMPLETION PROCEDURE
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Treat frac fluid with the following additives per 1000 gallons:

- * 0.75 gal FR-2 (Friction Reducer)
- * 0.38# Frac-cide 20 (Biocide)
- * 1.0 gal Aquaflo (Surfactant)
- * 2% KCL

10. If well is on a vacuum, underflush by about 25%. TOH.
11. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. When well ceases to flow, TOH w/frac string & pkr & lay down.
12. Run retrieving head on 2-3/8" tbg & C.O. w/air/mist to ret. BP @ 4900'. Take pitot gauges when possible. Retrieve BP & TOH.
13. TIH w/3-1/4" bit on 2-3/8" tbg & C.O. to 6720' w/air/mist. **Note:** Bottom 7 jts should have shaved collars (2.91" OD couplings) to get into 4" liner top @ 6542'. Take pitot gauges when possible. TOH.
14. Run after frac GR log 5100'-4000'.
15. Land 2-3/8" tbg @ 6600' w/standard S.N. one jt off open ended bottom. ND BOP and NU wellhead. **Note:** Bottom 3 jts should have shaved collars (2.91" OD couplings) to get into 4" liner top @ 6542'. Obtain final pitot gauge. Rig down & release rig.

Approve: _____
J. A. Howieson

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tagging:	Pro-Technics	326-7133

FMP

HUERFANITO UNIT #71

BASIN DAKOTA
NE/4 SECTION 3, T26N-R09W

