

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

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  
950' FNL, 1190' FEL, Sec. 36, T-27-N, R-9-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-27162  
5. Lease Number  
E-1199-1  
6. State Oil & Gas Lease #  
E-1199-1  
7. Lease Name/Unit Name  
Huerfano Unit NP  
8. Well No.  
151  
9. Pool Name or Wildcat  
Basin Fruitland Coal  
10. Elevation:

Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other - Recavitate  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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

**RECEIVED**  
MAY - 8 1995

**OIL CON. DIV.**  
DIST. 3

SIGNATURE *Kevin Bradfield* (SCWFTC) Regulatory Affairs May 5, 1995

(This space for State Use)

Approved by *Johnny Robinson* Title Assistant Secretary Date MAY - 8 1995

**Pertinent Data Sheet - Huerfanito Unit NP #151**

Lat-Long: 36.535934 - 107.734604

**Location:** 950' FNL, 1190' FEL, Unit A, Section 36, T-27-N, R-09-W'

**Field:** Basin Fruitland Coal

**Elevation:** 6138' GL  
6150' KB

**TD:** 2017' KB  
**COTD:** 2017'

**Spud Date:** 12/11/88

**Completed:** 12/26/88

**DP #:** 3513A

**Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
12-1/4"	9-5/8"	32.30# H-40	236'	150 sx	circ to surface
8-3/4"	7"	20.00# K-55	1883'	375 sx	circ to surface
6-1/4"			2017'		

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>
2-3/8"	4.7# J-55	2009' (F nipple @ 1976' KB)

**Formation Tops:**

Ojo Alamo	1128'
Kirtland	1311'
Fruitland	1815'

**Logging Record:** DIL, LDC, CNL, NGT, MLT.

**Stimulation:** open hole completion

**Workover History:** None.

<b><u>Production History:</u></b>	Cumulative Oil Production:	0 MBO
	Cumulative Gas Production:	142 MMCF
	Current Oil Production:	0 BE LS/D
	Current Gas Production:	175 MCF/D

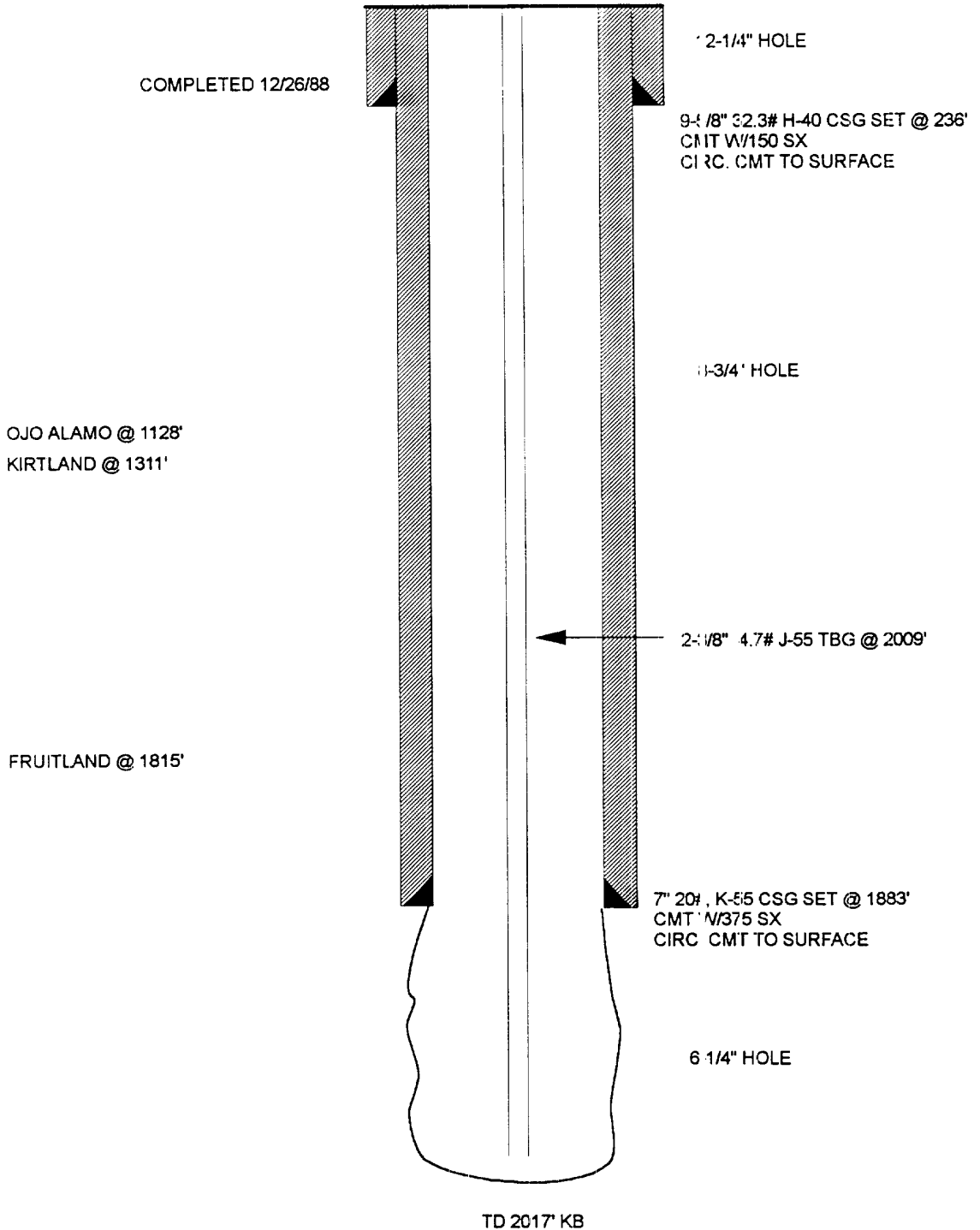
**Transporter:** El Paso Natural Gas Pipeline

# Huerfanito Unit NP #151

AS OF 3/31/95

BASIN FRUITLAND COAL

UNIT A, SECTION 36, T27N, R09W, SAN JUAN COUNTY, NM



# MERIDIAN OIL - RECAVITATION PROCEDURE

## HUERFANITO UNIT NP #151

### GENERAL WELL DATA:

**Well Name:** Huerfanito Unit NP #151  
**Location:** Unit A, Section 36, T27N, R09W  
**County, State:** San Juan County, New Mexico  
**Field:** Basin Fruitland Coal  
**Formation:** Fruitland Coal  
**Elevation:** 6138' GL  
**AFE #:**

<b>GEOLOGY:</b>	TD: 2017'
	COTD: 2017'
Surface:	
Ojo Alamo:	1128'
Kirtland:	1311'
Fruitland Coal:	1815'

### PROCEDURE:

1. Hold safety meeting. MIRU WO Rig. Place fire and safety equipment in strategic locations. Comply with all MOI, BLM and NMOCD rules and regulations. Record all tubing and casing pressures.
2. NU BOP's. TOOH with 2009' of 2-3/8" tubing and stand back. Visually inspect tubing and replace any bad joints.
3. RU wellsite blowlines, flowlines and mud logging operations and collect samples per request. RU pressure recorder on air injection line.
4. PU 6-1/4" bit and six (6) 4-3/4" DC's on 3-1/2" DP and TIH. Clean out wellbore to TD of 2017' Take baseline gauge. TOOH.
5. Pickup OFR 9"X underreamer and TIH. Underream 6-1/4" hole to 9" hole with OFR 9"X bit and air/mist. Collect drill cuttings during under reaming. TOOH
6. TIH with 6-1/4" bit and clean out hole to TD. Unload hole with air.
7. Pull up into 7" casing and obtain a Baseline Flow Test (1 hour). After flow test, shut well in for 4 hours or until BHP stabilizes. Obtain injection breakover test.
8. Begin NATURAL SURGES. Shut well in for 1 hour pressure build-up and record pressures in 15 minute increments. Obtain 1 hour flow test once every 24 hour period and plot results (rates vs cst flow test). Document solids and water returned as well as total coal volume produced.
9. Upon initial build-up, if well does not build up to BHP naturally, pressure up to BHP with air and surge well.

10. If well does not cavitate, increase pressure in 250 psi increments. If injection pressure build-up curve breaks over, surge well. Use air injection pressure recorder to determine maximum build-up pressure.
11. Discontinue air injections if well begins to make coal fines.
12. Clean out open-hole as hole dictates. Monitor pressure recorder for signs of hole bridging.
13. **Rotate and reciprocate the pipe at all times during clean out.** Pull into 7" casing for all production tests.
14. Record all gauges in the Daily Tower Report and on WIMS Report. When hole is clean and stabilized, a decision will be made to strip in the liner or to leave open-hole.
15. TIH with expendable check on bottom, Model 'F' profile nipple one joint off bottom and remaining 2-3/8", 4.7# 8rd EUE tubing. Land tubing a minimum of 4-5' off bottom. Run lockdown screws in on donut.
16. Nipple down BOP. Nipple up wellhead assembly.
17. Blow the hole clean with air for 1 hour. Drop ball and pump off expendable check.
18. Take final gauges (Gas & Water) at 15 minutes, 30 minutes, 45 minutes and 60 minutes. **Notify Production Operation.** Catch gas and water samples as required. Shut in well. Rig down.

Compiled By: Sean Woolverton 5/4/75  
Sean C. Woolverton  
Production Engineer

Approved By: PJ B. A.  
Drilling Superintendent