

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
800' FNL, 1500' FWL, Sec. 20, T-26-N, R-10-W, NMPM

5. Lease Number
SF-077933A
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
Huerfano Unit
8. Well Name & Number
Huerfano U NP #212
9. API Well No.
30-045-20737
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

<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is proposed to plug and abandon this well per the attached procedure and wellbore diagram.

RECEIVED
OCT - 3 1994
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
94 AUG 30 AM 10:10
070 FARMINGTON, NM

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

Signed [Signature] (ROS1) Title Regulatory Affairs Date 8/25/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED
AS AMENDED

SEP 2 9 1994

DISTRICT MANAGER

PERTINENT DATA SHEET

WELLNAME: Huerfano Unit NP #212	DP NUMBER: 44016A PROP. NUMBER: 012675500																																																								
WELL TYPE: Basin Dakota	ELEVATION: GL: 6487' KB: 6499'																																																								
LOCATION: 800' FNL 1500' FWL NW Sec. 20, T26N, R10W San Juan County, New Mexico	INITIAL POTENTIAL: AOF 92 MCF/D SICP: Dec., 1988 890 PSIG																																																								
OWNERSHIP: GWI: 58.6182% NRI: 45.1677%	DRILLING: SPUD DATE: 01-25-71 COMPLETED: 02-09-71 TOTAL DEPTH: 6613' PBSD: 6591' COTD: 6591'																																																								
CASING RECORD: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">HOLE SIZE</th> <th style="text-align: left;">SIZE</th> <th style="text-align: left;">WEIGHT</th> <th style="text-align: left;">GRADE</th> <th style="text-align: left;">DEPTH</th> <th style="text-align: left;">EQUIP.</th> <th style="text-align: left;">CEMENT</th> <th style="text-align: left;">TOC</th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>8-5/8"</td> <td>24#</td> <td>J-55</td> <td>213'</td> <td>-</td> <td>150 sxs</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>4-1/2"</td> <td>10.5#</td> <td>J-55</td> <td>6613'</td> <td>Stg Tool @ 2223'</td> <td>Stg 3 - 210 sxs</td> <td>945'(75%)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Stg Tool @ 4727'</td> <td>Stg 2 - 200 sxs</td> <td>3515 (75%)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Float Collar @ 6602'</td> <td>Stg 1 - 240 sxs</td> <td>5441'(80%)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Total 650 sxs</td> <td></td> </tr> <tr> <td>Tubing</td> <td>2-3/8"</td> <td>4.7#</td> <td>J-55</td> <td>6552'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-top: 10px;">Baker expendible check valve on bottom @6552', 208 jts. 2-3/8" tubing set @ 6552', Seating nipple one jt off bottom @ appx 6520'.</p>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12-1/4"	8-5/8"	24#	J-55	213'	-	150 sxs	surface	7-7/8"	4-1/2"	10.5#	J-55	6613'	Stg Tool @ 2223'	Stg 3 - 210 sxs	945'(75%)						Stg Tool @ 4727'	Stg 2 - 200 sxs	3515 (75%)						Float Collar @ 6602'	Stg 1 - 240 sxs	5441'(80%)							Total 650 sxs		Tubing	2-3/8"	4.7#	J-55	6552'			
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STIMULATION: Fraced w/30,000# 20/40 sand, 48,132 gal. water. No flush. Dropped 3 sets of 18 balls each.																																																									
WORKOVER HISTORY: None																																																									
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PLUG AND ABANDONMENT PROCEDURE

Huerfano Unit NP# 212 (Dk)
NW, Sec. 20, T26N, R10W
San Juan County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' inside; mud will be 8.4 ppg with a 40 sec vis.)

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Meridian safety rules and regulations.
2. MOL and RU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 208 jts of 2-3/8" tubing (6552'). PU and RIH with 4-1/2" casing scraper to 6591'; POH and LD.
4. **Plug #1 (Dakota Perforations):** PU 4-1/2" cement retainer and RIH; set at 6400'; pressure test tubing to 1000#; establish rate into DK perms. Mix 36 sx Class B cement and squeeze 26 sx below retainer from 6568' to 6400', then spot 10 sx cement above retainer from 6400' to 5323'. POH above cement; mix and spot mud to 5525'. POH to 5525'.
5. **Plug #2 (Gallup top):** Load well with water and circulate clean. Pressure test casing to 500#. Mix 12 sx Class B cement and set a balanced plug from 5525' to 5425'. POH above cement; mix and spot mud to 3705'. POH to 3705'.
6. **Plug #3 (Mesaverde top):** Mix 12 sx Class B cement and spot balanced plug from 3705' to 3605'. POH above cement; mix and spot mud to 1963'. POH to 1963'.
7. **Plug #4 (Pictured Cliffs, Kirtland, and Fruitland tops):** Mix 75 sx Class B cement and spot a balanced plug from 1963' to 982'. POH above cement and reverse circulate. POH and WOC. RIH and tag cement with wireline. Pressure test casing to 500 psig.
8. **Plug #5 (Ojo Alamo top):** Perforate 4 holes at 965'. Establish a rate into holes if casing tested. PU 4-1/2" cement retainer and set at 915'. Establish a rate into holes with water. Mix 55 sx Class B cement and squeeze 39 sx outside casing and 12 sx cement inside casing. Sting out and spot 4 sx above retainer. Pull above cement; mix and spot mud to 263'. POH and LD tubing and setting tool.
9. **Plug #6 (Surface):** Perforate 2 holes at 263'. Establish circulation out bradenhead valve. Mix approximately 76 sx Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
10. ND BOP and cut off well head below surface casing flange and install P&A marker to BLM specs. RD and mOL. Cut off anchors.
11. Restore location per BLM stipulations.

Recommended:



Approved: _____

Huerfano Unit NP #212

CURRENT

Basin Dakota

NW Section 20, T-26-N, R-10-W, San Juan County, NM

Today's Date: 8/16/94

Spud: 1/25/71

Completed :2/9/71

Nacimiento @
Surface

12-1/4" hole

Ojo Alamo @ 915'

Kirtland @ 1032'

Fruitland @ 1672'

Pictured Cliffs @ 1913'

Mesa Verde @ 3655'

Point Lookout @ 4355'

Gallup @ 5475'

Greenhorn @ 6316'

Graneros @ 6370'

Dakota @ 6477'

8-5/8" 24.0# J-55 Csg set @ 213'
Cmt w/150 sxs (Circulated to Surface)

Top of Cmt @ 945' (calc @ 75% efficiency)

Stg tool @ 2223'
Cmt 3rd stage w/210 sx

Top of Cmt @ 3515' (calc @ 75% efficiency)

Stg tool @ 4727'
Cmt 2nd stage w/200 sx

Top of Cmt @ 5441' (calc @ 80% efficiency)

208 jts 2-3/8", 4.7#, J-55, 8rd, tbg set @ 6552'
(SN @ 6520')

Perforations 6439' - 45', 6478' - 84', 6492' - 98',
6532' - 38', 6562' - 68', w/18 SPZ, Total of 90
holes

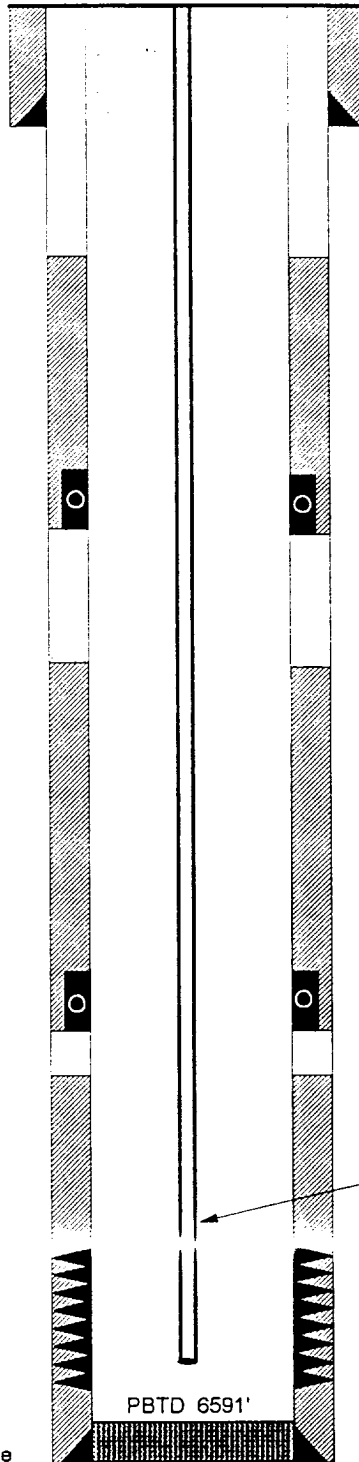
FC @ 6602'

4-1/2" 10.5# J-55 set @ 6613'
Cmt 1st stage w/240 sxs

PBTD 6591'

7-7/8" hole

TD 6613'



Huerfano Unit NP #212

PROPOSED

Basin Dakota

NW Section 20, T-26-N, R-10-W, San Juan County, NM

Today's Date: 8/16/94

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