

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
1500' FNL, 850' FWL Sec. 31, T-26-N, R-10-W, NMPM

5. Lease Number
NMSF-078372

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
Huerfano Unit

8. Well Name & Number
Huerfano Unit 243

9. API Well No.
30-045-21220 21248

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"/> 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 -
	<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 Injectio

13. Describe Proposed or Completed Operations

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

RECEIVED
MAY 23 1994

OIL CON. DIV.
DIST. 8

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

Signed [Signature] (ROS) Title Regulatory Affairs Date 5/11/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED
AS AMENDED

Date
MAY 19 1994

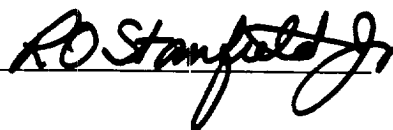
DISTRICT MANAGER

Huerfano Unit #243 (Dk)
NW, Sec. 31, T26N, R10W
San Juan County, New Mexico
PLUG AND ABANDONMENT PROCEDURE

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 RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 2-3/8" tubing (6392'). **Note:** Attempted to pull tubing in September, 1990; found to be stuck at an unknown depth. Work, cut and/or fish tubing as necessary. After tubing is recovered from well then replace with a work string if necessary. PU and RIH with 4-1/2" casing scraper to 6183' or above tubing left in hole: POH and LD.
4. **Plug #1 (Dakota perfs):** PU 4-1/2" cement retainer and RIH; set at 6183'; pressure test tubing to 1000#; establish rate into DK perfs. Mix 36 sxs Class B cement and squeeze 31 sxs below retainer from 6388' to 6183', then spot 5 sxs cement above retainer. POH above cement; mix and spot mud to 5387'. POH to 5387'.
5. **Plug #2 (Gallup top):** Load well with water and circulate clean. Pressure test casing to 500#. Mix 17 sxs Class B cement and set a balanced plug from 5387' to 5217'. POH above cement; mix and spot mud to 3267'. POH to 3267'.
6. **Plug #3 (Mesaverde top):** Mix 12 sxs Class B cement and spot balanced plug from 3267' to 3167'. POH above cement; mix and spot mud to 1780'. POH to 1780'.
7. **Plug #4 (PC & Ft tops):** Mix 32 sxs Class B cement and spot balanced plug from 1780' to 1416'. POH above cement; mix and spot mud to 966'. POH with setting tool.
8. **Plug #5 (Kt & OA tops):** Pressure test casing to 500#. Perforate 4 holes at 966'. Establish rate into holes if casing tested. PU 4-1/2" cement retainer and RIH; set at 916'; establish rate into holes. Mix 101 sxs Class B cement and squeeze 81 sxs outside casing and spot 20 sxs cement inside casing. POH above cement; mix and spot mud to 274'. POH and LD tubing and setting tool.
9. **Plug #6 (Surface):** Perforate 2 holes at 274'. Establish circulation out bradenhead valve. Mix approximately 80 sxs 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: _____

Pertinent Data Sheet

May 10, 1994

Wellname: Huerfano Unit #243 **DP Number:** 44879A

Well Type: Basin Dakota **Elevation:** 6478' GL

Location: 1500 FNL, 850 FWL, Sec 31, T26N, R10W
San Juan Co., New Mexico

Ownership: GWI: 61.9% **Drilling:** Spud Date: 4-10-73
 NRI: 46.8% **Total Depth:** 6479'
 PBTD: 6464'

Casing and Tubing:

<u>Hole Size</u>	<u>Size, Wt. & Grade</u>	<u>Depth</u>	<u>Cement</u>	<u>TOC</u>
12-1/4"	8 5/8", 24#, K-55	224'	182 cf	Surface
7-7/8"	4 1/2", 10.5#, J-55	6479'	1379 cf	1110' T.S.
			3 stage	

Tubing: 2 3/8" EUE J-55 set @ 6392' (205 joints), SN 1 jt off bottom @ 6360'.

Formation Tops:

Ojo Alamo	806'	Mesaverde	3217'
Kirtland	916'	Point Lookout	4177'
Fruitland	1466'	Gallup	5267'
Pictured Cliffs	1730'	Graneros	6183'
		Dakota	6280'

Logging: IES; FDC-GR, Temp. Survey

Stimulation: Perf'd Dakota 6224' to 6388' w/17 shots.
Frac with 51,970 gal gel and 62,500# sand.

Workover History:

Sept, 1990 - Well servicing rig attempted to pull tubing, found to be stuck; depth unknown.

Production History: As of 3/31/94 11,746 Bbls and 1,262,888 Mcf

EXISTING WELL

MERIDIAN OIL INC

10 MAY 94

HUERFANO UNIT #243

NW, Sec. 31, 26N, 10W

San Juan County, NM

CEMENT
CIRCULATED
SURFACE

8-5/8" 24# @ 224'
(182 cf cement)

OA @ 806'

Kt @ 916'

TOC @ 1110'
(T.S.)

Ft @ 1466'

PC @ 1730'

IV Tool @ 1933'
(371 cf cement)

WORKOVER HISTORY

SEPTEMBER 1990

ATTEMPTED TO PULL TUBING,
FOUND TO BE STUCK,
DEPTH UNKNOWN.

TOC @ 2336'
(Cal, 75%)

MV @ 3217'

DV Tool @ 4511'
(661 cf cement)

GI @ 5267'

TOC @ 5337'
(Cal, 75%)

2-3/8" EUE TUBING @ 6392'

Gn @ 6183'

Dk @ 6280'

Dk Perfs 6224'-6388'

PBTD 6464'

4-1/2" 10.5# @ 6479'
(347 cf cement)

7-7/8" HOLE TD 6479'

PROPOSED

PLUGGED WELL

MERIDIAN OIL INC

10 MAY 94

HUERFANO UNIT #243

NW, Sec. 31, 26N, 10W

San Juan County, NM

CEMENT
CIRCULATED
SURFACE

8-5/8" 24# @ 224'
(182 cf cement)

PLUG #6 274'- SURFACE
80 SXS CEMENT

PERFORATE @ 274'

OA @ 806'

Kt @ 916'

CEMENT RT @ 916'

PERFORATE @ 966'

PLUG #5 966'-756'
20 SXS INSIDE
81 SXS OUTSIDE

TOC @ 1110'
(T.S.)

FT @ 1466'

PC @ 1730'

PLUG #4 1780'-1416'
32 SXS CEMENT

DV Tool @ 1933'
(371 cf cement)

TOC @ 2336'
(Cal, 75%)

MV @ 3217'

PLUG #3 3267'-3167'
12 SXS CEMENT

DV Tool @ 4512'
(661 cf cement)

G1 @ 5267'

PLUG #2 5387'-5217'
17 SXS CEMENT

TOC @ 5337'
(Cal, 75%)

Gn @ 6183'

Dk @ 6280'

CEMENT RT @ 6183'

Dk Perfs 6224'-6388'

PLUG #1 6388'-6183'
36 SXS CEMENT

PBTD 6464'

4-1/2" 10.5# @ 6479'
(347 cf cement)

7-7/8" HOLE TD 6479'