

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

070 FARMINGTON, NM

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
1840' FSL, 1840' FEL, Sec.34, T-26-N, R-10-W, NMPM

- 5. Lease Number
SF-077948
- 6. If Indian, All. or Tribe Name
- 7. Unit Agreement Name
Huerfano Unit
- 8. Well Name & Number
Huerfano Unit #214
- 9. API Well No.
30-045-20746
- 10. Field and Pool
Undes Greenhorn
- 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 intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAY 17 1995

OIL CON. DIV.
DIST. 3

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

Signed [Signature] Title Regulatory Affairs Date 5/11/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

AS AMENDED

MAY 15 1995

DISTRICT MANAGER

PLUG AND ABANDONMENT PROCEDURE

5-8-95

Huerfano Unit #214 (Greenhorn)
SE Sec. 34, T26N, R10W
San Juan County, New Mexico

- Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.
1. Install and test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Meridian safety rules and regulations.
 2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
 3. POH and tally 2-3/8" tubing (209 jts @ 6556', SN @ 6524'). Visually inspect tubing, if it has heavy scale or is in poor condition then LD and PU 2-3/8" work string.
 4. **Plug #1 (Greenhorn perforations, 6648' - 6392')**: RIH with open ended tubing to 6648' and tag cement retainer at 6648' or as deep as possible. Pump 30 bbls water down tubing. Mix 39 sx Class B cement and spot a balanced plug from 6648' to 6392' over the Greenhorn perforations and top. POH and WOC. While WOC, PU 4-1/2" casing scraper or wireline gauge ring and round-trip to 5677'. RIH and tag cement. Load well with water and circulate clean. Pressure test casing to 500#. POH with tubing.
 5. **Plug #2 (Gallup top, 5727' - 5627')**: Perforate 3 or 4 squeeze holes at 5727'. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and RIH; set at 5677'. Establish rate into squeeze holes. Mix and pump 50 sx Class B cement, squeeze 39 sx cement outside casing and leave 11 sx cement inside casing. POH to 4105'.
 6. **Plug #3 (Mesaverde top, 4105' - 4005')**: Mix 12 sx Class B cement and spot balanced plug from 4105' to 4005' inside casing over Mesaverde top. POH to 2220'.
 7. **Plug #4 (Pictured Cliffs and Fruitland tops, 2220' - 1870')**: Mix 30 sx Class B cement and spot balanced plug from 2220' to 1870' inside casing. POH and pressure test casing.
 8. **Plug #5a (Kirtland top, 1446' - 1380') and Plug #5b (Ojo Alamo top, 1370' - 1130')**: Perforate 3 or 4 squeeze holes at 1370'. Attempt to establish rate into squeeze holes if casing tested. Plug #5a - Mix 5 sx Class B cement (no excess) and spot balanced plug from 1446' to 1380' inside casing over Kirtland top. POH to 1350' and reverse circulate casing clean. PU 4-1/2" cement retainer and RIH to 1320'. Establish rate into squeeze holes. Mix and pump 115 sx Class B cement, squeeze 93 sx cement outside casing from 1370' to 1130' and leave 22 sx inside casing to cover Ojo Alamo top. POH and LD tubing and setting tool.

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9. **Plug #6 (Surface):** Perforate 2 or 3 holes at 264'. Establish circulation out bradenhead valve. Mix approximately 75 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. Install P&A marker with cement to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

Huerfano Unit #214

CURRENT

Greenhorn

SE Section 34, T-26-N, R-10-W, San Juan County, NM

REVISION
DATE
JOB NO. TD 6882
OJO ALAMO, NM

Today's Date: 5/8/95

Spud: 3/20/71

Completed: N/A

Ojo Alamo @ 1180'

Kirtland @ 1396'

Fruitland @ 1920'

Pictured Cliffs @ 2170'

Mesaverde @ 4055'

Gallup @ 5677'

Greenhorn @ 6532'

Dakota @ 6682'

12-1/4" hole

8-5/8", 24.0#, J-55, Csg set @ 214',
Cmt w/160 sx (Circulated to Surface)

Top of Cement @ 1382' (CBL)

DV Tool @ 2420',
Cmt w/377 cf (205 sx)

Casing Leak: 3702' - 3983',
sqz'd w/571 sx cmt

Top of Cement @ 4050' (CBL)

209 jts, 2-3/8", 4.7#, J-55, tbg set @ 6556',
(SN @ 6524')

DV Tool @ 4970',
Cmt w/307 cf (170 sx)

Top of Cement @ 5720' (CBL)

Greenhorn Perforations:
6442' - 6581', Total 8 holes

Cement Retainer @ 6648'

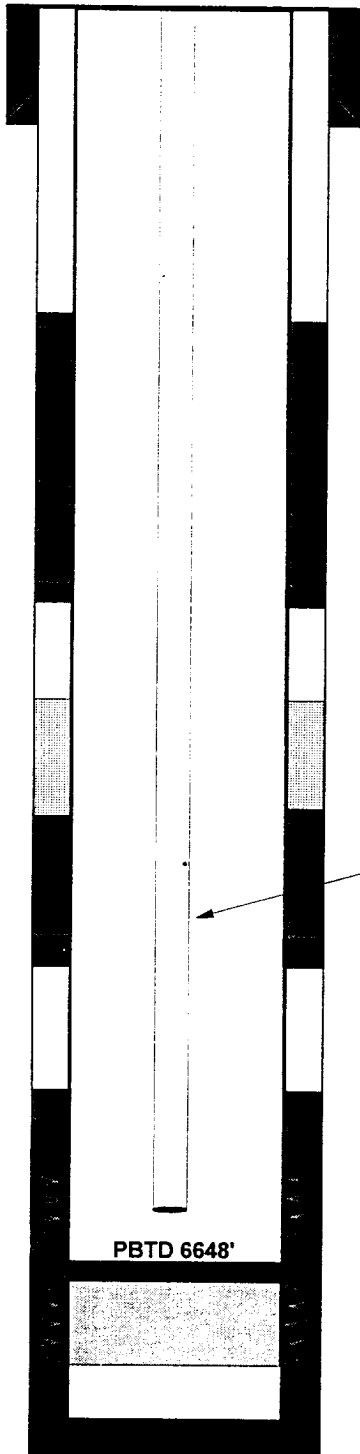
Dakota Perforations:
6345' - 6428', Total 36 holes;
P&A in '77 w/50 sx cmt

7-7/8" hole

4-1/2", 10.5#, K-55, Csg set @ 6882',
Cmt w/343 cf (270 sx)

PBTD 6648'

TD 6882'



Huerfano Unit #214

Proposed P & A

Greenhorn

SE Section 34, T-26-N, R-10-W, San Juan County, NM

Today's Date: 5/8/95

Spud: 3/20/71

Completed: N/A

