

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

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

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' FSL, 1740' FEL, Sec. 12, T-26-N, R-10-W, NMPM

5. Lease Number
SF-077935

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
Huerfano Unit

8. Well Name & Number
Huerfano Unit #185

9. API Well No.
30-045-20394

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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



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

Signed [Signature] Title Regulatory Supervisor Date 2/12/01

TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 3/5/01

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMCCD

PLUG AND ABANDONMENT PROCEDURE

01/31/01

Huerfano Unit 185

DPNO: 5179201

Basin Dakota

800' FSL & 1740' FEL, Section 12, T26N, R10W

San Juan County, New Mexico API 30-045-20394

Latitude / Longitude: 36° 29.87' / 107° 50.63'

Project Summary: The Huerfano Unit 185 was drilled in 1969 as a Dakota well. The well last produced in 1999. A casing repair was attempted in 2000. There is a packer stuck in the hole and the casing has numerous holes from 3005' to 4129'. It is not economical to attempt to return to this well to production. Cumulative production is 1,934 MMCF. This well is also on the BLM demand list to either return to production or P&A. We propose to plug and abandoned the well according to the following procedures.

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. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and/or test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Burlington safety rules and regulations. ND wellhead and NU BOP, test BOP. TOH and tally 105 joints 2-3/8" tubing with 24' cut off piece, total 6393'. Visually inspect tubing, if necessary LD and PU workstring.
2. Rig up power swivel and drilling equipment. PU a 3-7/8" bit and TIH, clean out and/or wash down to tubing stub at 6547'.
3. **Plug #1 (Dakota perforations, stuck packer and tubing stub, 6547' – 6447'):** Mix 20 sxs cement (excess due to casing problems) and spot a balanced plug inside casing above the stuck packer and tubing stub to isolate the Dakota perforations. TOH with tubing.
4. **Plug #2 (Gallup top, 5725' - 5625'):** Perforate 3 HSC squeeze holes at 5725'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 5675'. Pressure test the tubing to 1000#. Establish rate into squeeze holes. Mix 51 sxs cement and squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover through the Gallup top. TOH with tubing.
5. **Plug #3 (Mesaverde top, 3835' – 2900'):** Perforate 3 HSC squeeze holes at 3835'. Set a 4-1/2" retainer at 2900' (in good casing). Load the casing above the CR and circulate the well clean. Pressure test the casing to 500#. If casing does not test, then spot or tag subsequent plugs as necessary. Establish rate below CR into squeeze holes. Mix 122 sxs cement, squeeze 114 sxs below the CR to fill the 4-1/2" casing and squeeze cement outside the casing from 3835' to 3735', then spot 8 sxs above the CR to isolate the Mesaverde top. PUH to 2250'.
6. **Plug #4 (Pictured Cliffs and Fruitland tops, 2250' – 1890'):** Mix 31 sxs cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 1455' - 1175'):** Perforate 3 HSC squeeze holes at 1455'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 1405'. Establish rate into squeeze holes. Mix 51 sxs Class B cement and squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover through the Ojo Alamo top. TOH and LD tubing.

8. **Plug #6 (8-5/8" surface casing, 286' - Surface):** Perforate 3 HSC holes at 286'. Establish circulation out bradenhead with water. Mix and pump approximately 120 sxs cement down the 4-1/2" casing, circulate good cement out the bradenhead valve. Shut in well and WOC.
9. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended:

Joe Michetti 2/6/01
Operations Engineer

Approval:

Bruce D. Boyer 2-12-01
Drilling Superintendent

Contacts: Operations Engineer

Joe Michetti
Pager: 564-7187
Office - 326-9764

Sundry Required

YES / NO

Approved:

Peggy Cole 2-12-01
Regulatory Approval

JAM/jms

Huerfano Unit #185

Proposed P&A

DPNO: 5179201

Basin Dakota

SE, Section 12 T-26-N, R-10-W, San Juan County, NM

API #30-045-20394

Latitude / Longitude: 36° 29.87' / 107° 50.63'

Today's Date: 01/31/01

Spud: 1/26/69

Completed: 2/26/69

Elevation: 6566' GL
6576' KB

12-1/4" hole

Ojo Alamo @ 1225'

Kirtland @ 1405'

Fruitland @ 1940'

Pictured Cliffs @ 2200'

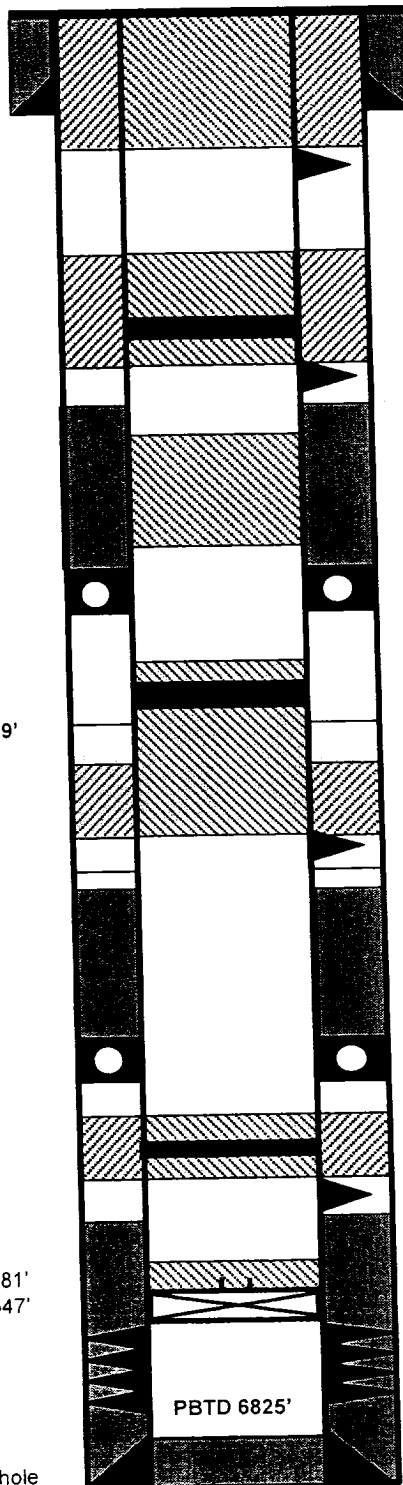
Bad Casing
from 3005' to 4129'

Mesaverde @ 3785'

Gallup @ 5675'

Dakota @ 6721'
Stuck Packer @ 6581'
with tubing cut at 6547'

7-7/8" hole



8-5/8" 24#, J-55 Casing set @ 236'
Cmt w/200 sxs (Circulated to Surface)

Perforate @ 286'

Plug #6 286' - Surface
Cement with 110 sxs

Cement Rt @ 1405'

Perforate @ 1455'

Plug #5 1455' - 1175'
Cement with 134 sxs,
109 sxs outside casing
and 25 sxs inside.

TOC @ 1875' (T.S.)

Plug #4 2250' - 1890'
Cement with 31 sxs

DV Tool @ 2436'
Cmt with 180 sxs (287 cf)

Cement Rt @ 2950'

Perforate @ 3835'

TOC @ 3988' (Calc, 75%)

Plug #3 3835' - 2900'
Cement with 122 sxs,
114 sxs below CR to fill
inside of 4-1/2" and
outside from 3835' to
3735', then spot 8 sxs
above CR, (set CR above
bad casing interval).

DV Tool @ 4983'
Cmt with 180 sxs (287 cf)

Cement Rt @ 5675'

Perforate @ 5725'

TOC @ 5955' (Calc, 75%)

Plug #2 5725' - 5625'
Cement with 51 sxs,
39 sxs outside casing
and 12 sxs inside.

Dakota Perforations:
6648' - 6796'

Plug #1 6547' - 6447'
Cement with 20 sxs
(excess due to casing
leak)

4-1/2" 11.6#/10.5# J-55 Casing set @ 6851'
Cement with 250 sxs (272 cf)

TD 6851'