

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

890' FNL, 1535' FWL, Sec. 12, T-25-N, R-10-W, NMPM

5. Lease Number
SF-078020

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Huerfano Unit #152

9. API Well No.
30-045-11765

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

Regina Cole

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.

NMCOO

PLUG & ABANDONMENT PROCEDURE

Huerfano Unit #152

Basin Dakota

DPNO 5159801

890' FNL and 1535' FWL, Section 12, T-25-N, R-10-W

San Juan Co., New Mexico

Lat: 36° 25.21638' / Long: 107° 51.0837'

Project Summary: The Huerfano Unit 152 was drilled in 1966 as a Dakota well. The well last produced in 2000. A CIBP was stuck in the well during a casing repair attempt in 7/00. Heavy drilling mud was produced while blowing the well in an attempt to clean out to the bridge plug. It is not economical to attempt to return to this well to production. Cumulative production is 2,539 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.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary. ND wellhead and NU BOP, test BOP.
2. TOH and tally 98 joints 2-3/8" tubing (total 3,056'); visually inspect the tubing. If necessary LD and PU workstring. RIH with a 4-1/2" gauge ring and tag fill at 5677' or as deep as possible.
3. **Plug #1 (Dakota and Gallup tops and stuck Bridge plug, 5670' – 5570')**: Perforate 3 HSC squeeze holes at 5670' or approximately 10' above where fill is tagged. TIH with 4-1/2" cement retainer and set at 5620' (need additional tubing). Pressure test tubing to 1000#. Load casing with water and attempt to circulate clean (note - poor circulation when blowing well with air during recent workover due to multiple casing leaks). Establish rate into the squeeze holes below the retainer and record pressure. Mix 51 sxs cement and squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to isolate Dakota Gallup tops. TOH with tubing.
4. **Plug #2 (Mesaverde top, 3810' – 3710')**: Perforate 3 HSC squeeze holes at 3810'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 3760'. Establish rate into squeeze holes. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 51 sxs cement and squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs cement inside casing to cover Mesaverde top. PUH to 2275'.
5. **Plug #3 (Pictured Cliffs and Fruitland tops, 2275' – 1940')**: Mix 29 sxs cement and spot a balanced plug inside casing to cover Pictured Cliffs and Fruitland tops. TOH with tubing.
6. **Plug #4 (Kirtland and Ojo Alamo tops, 1561' – 1282')**: Perforate 3 HSC squeeze holes at 1561'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 1511'. Establish rate below CR. Mix 133 sxs cement, squeeze 108 sxs outside casing and spot 25 sxs inside to cover through the Ojo Alamo top. TOH and LD tubing.
7. **Plug #5 (8-5/8" Casing shoe, 363' - Surface)**: Perforate 3 HSC squeeze holes at 363'. Establish circulation out bradenhead valve. Mix and pump approximately 120 sxs cement down the 4-1/2" casing from 363' to surface, circulate good cement out bradenhead valve. Shut in well and WOC.

8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations.
RD, MOL cut off anchors and restore location.

Recommended:

Joe Michetti 2/6/01
Operations Engineer

Approval:

Bruce U. Boyer 2-12-01
Drilling Superintendent

Contacts: Operations Engineer

Joe Michetti

Pager: 564-7187

Office - 326-9764

Sundry Required: YES / NO

Approved:

Gregory Cole 2-9-01
Regulatory Approval

JAM/jms

Huerfano Unit 152

Proposed P&A

DPNO 5159801

Basin Dakota

NW, Section 12, T-25-N, R-10-W, San Juan County, NM

Lat: 36° 25.22' / Long: 107° 51.08'

Today's Date: 11/13/00
Spud: 6/30/66
Completed: 7/20/66
Elevation: 6924' GL

12-1/4" hole

8-5/8" 24#, J-55 Casing set @ 313'
210 sxs cement (Circulated to Surface)

Perforate @ 363'

Plug #5 363' – Surface
Cmt with 120 sxs cement

Ojo Alamo @1332'

Cmt Retainer @ 1511'

Plug #4 1561' – 1282'
Cmt with 133 cement,
108 outside casing
and 25 inside.

Kirtland @ 1511'

Perforate @ 1561'

TOC @ 1700' (T.S.)

Fruitland @ 1990'

Plug #3 2275' – 1940'
Cmt with 29 sxs cement

Pictured Cliffs @ 2225'

DV Tool @ 2296'
Cmt with 115 sxs (194 cf)

Mesaverde @ 3760'

Cmt Retainer @ 3760'

Perforate @ 3810'

TOC @ 3894' (Calc, 75%)

Plug #2 3810' - 3710'
Cmt with 51 sxs cement,
39 outside and 12 inside.

Gallup @ 5748'

DV Tool @ 4842'
Cmt with 170 sxs (287 cf)

Cmt Retainer @ 5620'

Perforate @ 5670'

Lost CIBP @ 5726' (2000), Fill at 5677'

TOC @ 5890' (Calc, 75%)

CR set at 6707' (1972)

Plug #1 5670' – 5570'
Cmt with 51 sxs cement
39 outside and 12 inside

Dakota @ 6748'

Dakota Perforations:
6764' – 6798'

4-1/2" 10.5#, J-55 Casing Set @ 6855'
Cemented with 240 sxs (293 cf)

7-7/8" Hole

TD 6855'