

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

1650' FNL, 1750' FWL, Sec. 22, T-26-N, R-10-W, NMPM

2002 JUL 11 AM 11:16
Lease Number

USA SF-078429

If Indian, All. or
Tribe Name

7. Unit Agreement Name
Huerfano Unit

8. Well Name & Number
Huerfano Unit 178

9. API Well No.
30-045-20282

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 - P & A

☐ 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 Stephen Case Title Regulatory Supervisor Date 07/10/02
FSB

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date 7/23/02
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.

ENCLOSURE

PLUG AND ABANDONMENT PROCEDURE 6/27/02

Huerfano Unit #178

Basin Dakota

1650' FNL & 1750' FWL,

Unit F, Section 22, T26N, R10W

Latitude: N36°28.602, Longitude: W107°53.196

AIN #5171701

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 and line blow pit. Comply with all NMOCD, BLM and Burlington safety rules and regulations. MO and RU daylight pulling unit. ND wellhead and NU BOP, test BOP. TOH and tally 2-3/8" tubing, 6720'. Visually inspect tubing, if necessary LD and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 6492'.
2. **Plug #1 (Dakota perforations, 6492' – 6392')**: TIH and set a 4-1/2" cement retainer at 6492'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as necessary. Mix 12 sxs cement and spot a balanced plug inside casing above the CR to isolate the Dakota perforations. TOH with tubing.
3. **Plug #2 (Gallup top, 5688' – 5588')**: Perforate 3 HSC squeeze holes at 5688'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 5638'. Establish rate into squeeze holes. Mix and pump 51 sxs cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover the Gallup top. PUH with tubing to 3695'.
4. **Plug #3 (Mesaverde top, 3695' – 3595')**: Mix 12 sxs cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH to 2125'. If casing leaks, then increase cement to 20 sxs.
5. **Plug #4 (Pictured Cliffs and Fruitland tops, 2125' – 1805')**: Mix 29 sxs cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.
6. **Plug #5 (Kirtland and Ojo Alamo tops, 1258' - 1110')**: Perforate 3 HSC squeeze holes at 1258'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 1208'. Establish rate into squeeze holes. Mix and pump 74 sxs cement, squeeze 58 sxs cement outside 4-1/2" casing and leave 16 sxs cement inside casing to cover through the Ojo Alamo top. TOH and LD tubing. IF RATE CANNOT BE ESTABLISHED INTO SQUEEZE HOLES AT 1258', CALL OPERATIONS ENGINEER AND SENIOR RIG SUPERVISOR FOR NEW SQUEEZE HOLE LOCATION.
7. **Plug #6 (8-5/8" surface casing, 255' - Surface)**: Perforate 3 HSC holes at 255'. Establish circulation out bradenhead with water. Mix and pump approximately 100 sxs cement down the 4-1/2" casing, circulate good cement out the bradenhead valve. Shut in well and WOC.
8. 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.

Area 1

Recommended:

M Wardinsky 7/10/02
Operations Engineer
Mike Wardinsky

Approved:

Bruce W. Boyer 7-10-02
Drilling Manager
Bruce Boyer

Sundry Required: YES NO

Approved:

Peggy Cole 7-10-02
Regulatory
Peggy Cole

Operations Engineer:	Mike Wardinsky	Office: 599-4045	Cell: 320-5113	
Lease Operator	Ramon Florez		Cell: 320-2506	Pager: 326-8718
Specialist:	Johnny Cole		Cell: 320-2521	Pager: 326-8349
Foreman:	Wayne Ritter	Office: 326-9818	Cell: 320-0436	Pager: 324-7225

MHW/clc

Huerfano Unit #178

Proposed P&A

AIN #5171701

Basin Dakota

NW, Section 22, T-26-N, R-10-W, San Juan County, NM

API # 30-045-202820

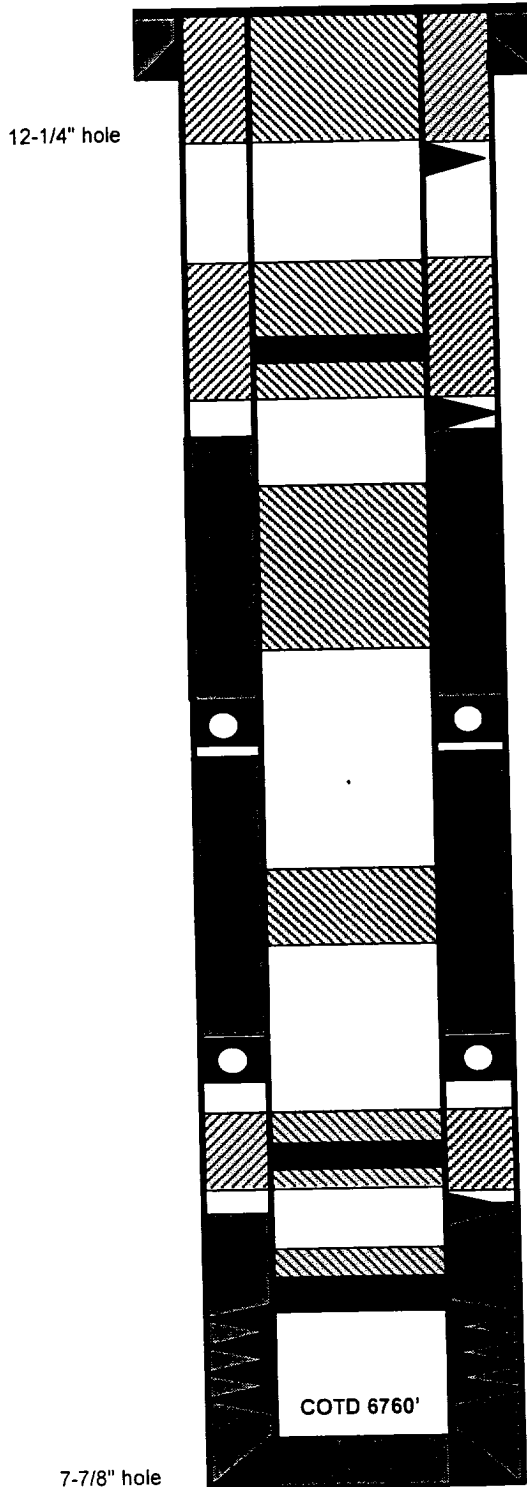
Latitude: N36° 28.602', Longitude: W107 ° 53.196'

Today's Date: 6/27/02

Spud: 5/27/68

Completed: 6/18/68

Elevation: 6606' GL



8-5/8" 24#, J-55 Casing set @ 205'
Cement with 170 sxs (Circulated to Surface)

Perforate @ 255'

Plug #6: 255' - Surface
Cement with 100 sxs

Ojo Alamo @ 1160'

Cmt Retainer@ 1208'

Plug #5: 1365' - 1110'
Cement with 74 sxs, 58
outside and 16 inside.

Perforate @ 1258'

TOC @ 1258' (Calc, 75%)

Kirtland @ 1315'

Plug #4: 2125' - 1805'
Cement with 29 sxs

Fruitland @ 1855'

Pictured Cliffs @ 2075'

DV Tool @ 2274'
Cmt with 180 sxs (309 cf)

TOC @ 2627' (Calc, 75%)

Mesaverde @ 3645'

Plug #3: 3695' - 3595'
Cement with 12 sxs

Gallup @ 5638'

DV Tool @ 4882'
Cmt with 220 sxs (385 cf)

Cmt Retainer @ 5638'

Plug #2: 5688' - 5588'
Cement with 51sxs, 39
outside and 12 inside.

Perforate @ 5688'
TOC @ 5766' (Calc, 75%)

Plug #1: 6492' - 6392'
Cement with 12 sxs

Dakota @ 6623'

Set CR at 6492'

Dakota Perforations:
6542' - 6736'

4-1/2"10.5# J-55 Casing set @ 6803'
Cement with 250 sxs (315 cf)

TD 6803'