

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 LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1150' FNL, 1460' FEL, Sec. 21, T-26-N, R-9-W, NMMP

5. Lease Number  
NMSF-078060

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

Huerfano Unit

8. Well Name & Number  
Huerfano Unit #191E

9. API Well No.  
30-045-26240

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

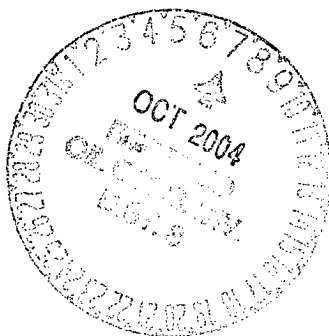
Type of Submission

Type of Action

<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> 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.



2004 SEP 30 PM 10 16  
RECEIVED  
070 FARMINGTON NM

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

Signed Nancy Altman Title Senior Staff Specialist Date 9/29/04

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date OCT 06 2004  
CONDITION OF APPROVAL, if any:

**Huerfano #191E -- Dakota**  
**PLUG AND ABANDONMENT PROCEDURE**

1150' FNL & 1460' FEL  
NE, Section 21, T026N, R009W  
Latitude: N36°28.668', Longitude: W107°47.418'  
AIN: 5396301  
9/26/04

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 III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

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 and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 203 joints 2-3/8" tubing, total tally 6539'. Inspect tubing and if necessary, LD and PU a workstring. Round-trip 4-1/2" casing scraper or wireline gauge ring to 6359'.
3. **Plug #1 (Dakota perforations and top, 6359' - 6259')**: TIH and set 4-1/2" CR at 6359'. Pressure test tubing to 1000#. Load the casing with water and circulate the well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 11 sxs Type III cement and spot a balanced plug to isolate the Dakota perforations. PUH to 5524'.
4. **Plug #2 (Gallup top, 5524' - 5424')**: Mix 11 sxs Type III cement and spot a balanced plug inside casing to cover the Gallup top. PUH to 3601'.
5. **Plug #3 (Mesaverde top, 3601' - 3501')**: Mix 20 sxs Type III cement (excess due to old casing leaks) and spot a balanced plug inside casing to cover through the Mesaverde top. PUH to 2045'.  
*Chava Plug from 2920 - 17472820 Chava top @ 2870*
6. **Plug #4 (Pictured Cliffs and Fruitland tops, 2045' - 1770')**: Mix 22 sxs Type III cement and spot a balanced plug inside casing to cover the PC and Fruitland tops. PUH to 1310'.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 1310' - 1120')**: Mix <sup>1030</sup> 17 sxs Type III cement and spot a balanced plug inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.
8. **Plug #6 (8-5/8" Surface casing, 278' - Surface)**: Perforate 3 squeeze holes at 278'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 85 sxs Type III cement down the 4-1/2" casing to circulate good cement out bradenhead valve. Shut well in 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:

*Julian Cantillo*  
Operations Engineer

Engineer

Office - (599-4043)  
Cell - (320-0321)

Approved:

*John Ehrlich*  
Drilling Superintendent

Sundry Required:

**YES**

Approved:

*Nancy Oltsmann*

Lease Operator:  
Specialist:  
Foreman:

Cell: 320-      Pager: 324-  
Cell: 320-      Pager: 326-  
Office: 326-     Pager: 326-

# Huerfano #191E

## Current

Basin Dakota / AIN #5396301

NE, Section 21, T-26-N, R-9-W, San Juan County, NM

Long: N: 36° 28.668 / Lat: 107° 47.418 / API #30-045-26240

Today's Date: 9/26/04

Spud: 6/3/85

Completed: 7/19/85

Elevation: 6364' GL

Ojo Alamo @ 1170'

Kirtland @ 1260'

Fruitland @ 1820'

Pictured Cliffs @ 1995'

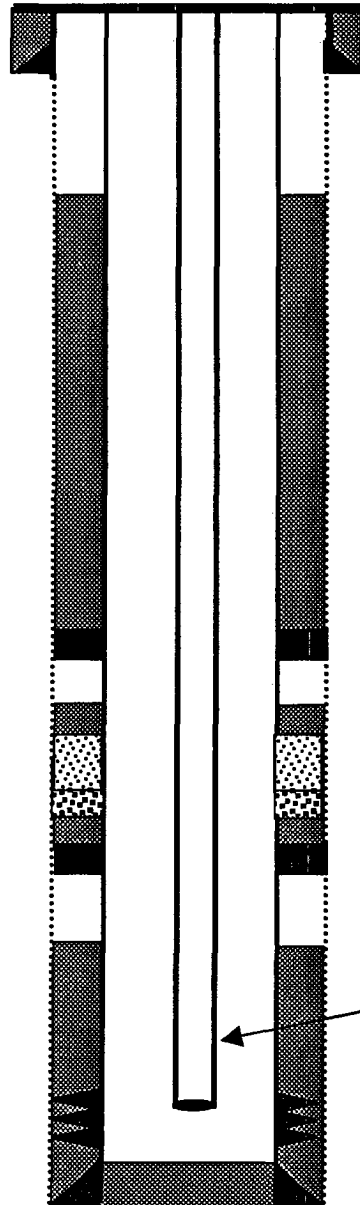
Mesaverde @ 3551'

Gallup @ 5474'

Dakota @ 6525'

12-1/2" hole

7-7/8" Hole



8-5/8" 24# K-55 Casing set @ 228'  
Cement with 171 cf (Circulated to Surface)

TOC @ 1000' (T.S.)

### WELL HISTORY

Jul '94: Isolate casing leaks from 3572' to 3577'; squeezed with 100 + 25 sxs; DO, PT.

Nov '01: Isolate casing leak from 3565' to 3585', squeezed 200 sxs; DO, PT and land tubing.

DV Tool @ 2224'  
Cement with 620 sxs (1004 cf)

TOC @ 3220' (Calc, 75%)

Casing leaks 3565' - 3585'  
sqz w/total 200 sxs (11/01)

Casing leaks 3572' - 3577',  
sqz w/total 125 sxs (7/94)

DV Tool @ 4875'  
Cement with 310 sxs (502 cf)

TOC @ 5214' (Calc, 75%)

2-3/8" Tubing at 6539'  
(203 joints, EUE, SN at 6507')

Dakota Perforations:  
6409' - 6554'

4-1/2" 10.5# K-55 Casing set @ 6587'  
Cement with 265 sxs (416 cf)

TD 6594'  
PBDT 6571'

# Huerfano #191E

## Proposed P&A

Basin Dakota / AIN #5396301

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Long: N: 36° 28.668 / Lat: 107° 47.418 / API #30-045-26240

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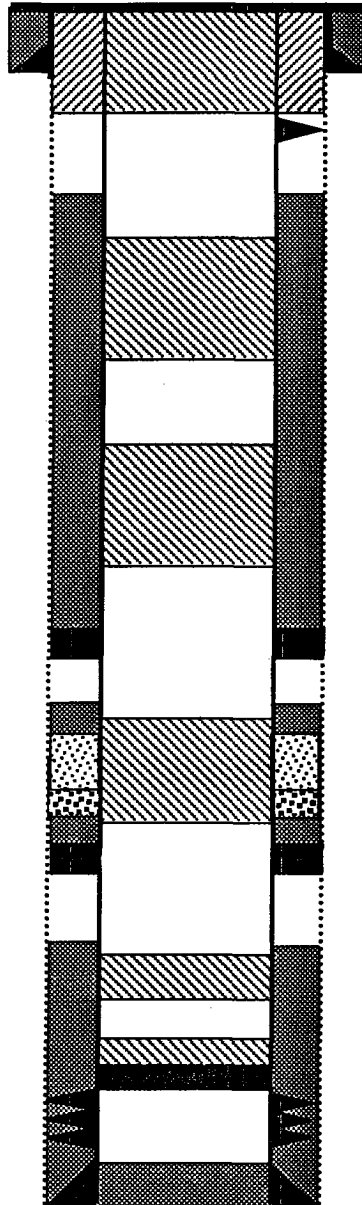
Mesaverde @ 3551'

Gallup @ 5474'

Dakota @ 6525'

12-1/2" hole

7-7/8" Hole



8-5/8" 24# K-55 Casing set @ 228'  
Cement with 171 cf (Circulated to Surface)

Perforate @ 278'  
TOC @ 1000' (T.S.)

Plug #6: 278' - Surface  
Type III cement, 85 sxs

Plug #5: 1310' - 1120'  
Type III cement, 17 sxs

Plug #4: 2045' - 1770'  
Type III cement, 22 sxs

DV Tool @ 2224'  
Cement with 620 sxs (1004 cf)

Plug #3: 3601' - 3501'  
Type III cement, 20 sxs  
TOC @ 3220' (Calc, 75%) (excess due to old casing leaks)

Casing leaks 3565' - 3585'  
sqz w/total 200 sxs (11/01)

Casing leaks 3572' - 3577',  
sqz w/total 125 sxs (7/94)

DV Tool @ 4875'  
Cement with 310 sxs (502 cf)  
TOC @ 5214' (Calc, 75%)

Plug #2: 5524' - 5424'  
Type III cement, 11 sxs

Set CR @ 6359'

Plug #1: 6359' - 6259'  
Type III cement, 11 sxs

Dakota Perforations:  
6409' - 6554'

4-1/2" 10.5# K-55 Casing set @ 6587'  
Cement with 265 sxs (416 cf)

TD 6594'  
PBTD 6571'