

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

1450' FNL, 1450' FWL, Sec. 12, T-27-N, R-9-W, NMEN

5. Lease Number  
I-149-IND-8465  
6. If Indian, All. or  
Tribe Name  
Navajo  
7. Unit Agreement Name

8. Well Name & Number  
Charles et al #2  
9. API Well No.  
30-045-06694  
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 checked="" 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.

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

Signed *Jeanne Cole* Title Regulatory Administrator Date 12/29/99  
trc

(This space for Federal or State Office use)

APPROVED BY */s/ Charlie Beecham* Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

# Charles et al #2

Basin Dakota

AIN: 2898301

1450' FNL and 1450' FWL, Section 12, T-27-N, R-9-W

San Juan Co., New Mexico

Lat: 36-35.57556°N Long: 107-44.59536°W

P&A Procedure 12/27/99

**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. MCL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary.
2. ND wellhead and NU BOP, and stripping head. Test BOP. TOH and LD 203 joints 1-1/4" tubing (SN at 6330', total 6362'); visually inspect the tubing. Tally and prepare a 2-3/8" workstring. Round-trip 4-1/2" gauge ring to 6372'.
3. **Plug #1 (Dakota perforations and top, 6372' – 6272')**: Set a 4-1/2" wireline CIBP at 6372'. TIH with open ended tubing workstring and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 12 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate Dakota perforations. TOH and stand back workstring.
4. **Plug #2 (Gallup top, 5586' – 5486')**: Perforate 3 HSC squeeze holes at 5586'. Establish rate into squeeze holes if casing is tested. Set 4-1/2" cement retainer at 5536'. Pressure test workstring to 1000#. Establish rate into squeeze holes. Mix 51 sxs Class B cement and squeeze 39 sxs outside the 4-1/2" casing and leave 12 sxs inside the casing to cover the Gallup top. TOH and stand back workstring.
5. **Plug #3 (Mesaverde top, 3796' - 3696')**: Perforate 3 HSC squeeze holes at 3796'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 3746'. 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 Mesaverde top. PUH to 2110'.
5. **Plug #4 (Pictured Cliffs and Fruitland tops, 2110' – 1720')**: Mix 34 sxs Class B cement and spot a balanced plug inside casing to cover Pictured Cliffs and Fruitland tops. TOH with workstring.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 1272' – 1055')**: Perforate 3 HSC squeeze holes at 1272'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 1222'. Establish rate into squeeze holes. Mix 105 sxs Class B cement, squeeze 84 sxs outside casing and leave 21 sxs inside to cover through the Ojo Alamo top. TOH and LD workstring.
8. **Plug #6 (8-5/8" Casing shoe, 386' - Surface)**: Perforate 3 HSC squeeze holes at 386'. Establish circulation out bradenhead valve. Mix and pump approximately 130 sxs Class B cement down the 4-1/2" casing from surface to 386', circulating good cement out bradenhead valve. Shut in well and WOC.
9. ND BOP and cut off wellhead below surface. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: J. Tom Loveland 12/28/99  
Operations Engineer

Approval: Bruce D. Boyer 12/28/99  
Drilling Superintendent

Operations Engineer: L. Tom Loveland

Office: 326-9771

Pager: 324-2568

Home: 564-4418

# Charles et al #2

Current

AIN: 2898301

Basin Dakota

NW, Section 12, T-27-N, R-9-W, San Juan County, NM

Latitude/Longitude: 36-35.57556' / 107-44.59536'

Today's Date: 12/27/99

Spud: 1/31/65

Completed: 3/2/65

Elevation: 5992' GL

6004' KB

12-1/4" hole

8-5/8" 24#, J-55 Casing set @ 336'  
250 sxs cement (TOC @ Surf. by 75% Calc.)

## Completion Note

Feb '65: During completion, set Mg BP at 4590', then perforated squeeze hole at 4560'; squeezed with cement (amount unknown); drill out cement and BP; clean out to PBTD 6700'.

TOC @ 1585' (Calc, 75%)

203 jts 1-1/4", 2.1# Tubing set at 6362';  
(SN 6330')

DV Tool @ 2217'  
Cmt 3rd stg with 120 sxs

Squeeze hole at 4560' (Cmt amount unknown)

DV Tool @ 4759'  
2nd stg - Could not open to circulate

TOC @ 5630' (CBL)

Dakota Perforations:  
6422' - 6650'

4-1/2" 10.5#, J-55 Casing Set @ 6735'  
Cemented 1st stg with 306 sxs

Ojo Alamo @ 1105

Kirtland @ 1222'

Fruitland @ 1770'

Pictured Cliffs @ 2060'

Mesaverde @ 3746'

Gallup @ 5536'

Dakota @ 6492'

PBTD 6700'

7-7/8" Hole

TD 6735'

# Charles et al #2

Proposed P&A

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7-7/8" Hole

PBTD 6700'

TD 6735'

8-5/8" 24#, J-55 Casing set @ 336'  
250 sxs cement (TOC @ Surf by 75% Calc.)

Perforate @ 386'

Plug #6 386' - Surface  
Cmt with 130 sxs Class B

Plug #5 1272' - 1055'  
Cmt with 105 sxs Class B,  
84 sxs outside casing  
and 21 inside.

Cmt Retainer @ 1222'

Perforate @ 1272'

TOC @ 1585' (Calc, 75%)

Plug #4 2110' - 1720'  
Cmt with 34 sxs Class B

DV Tool @ 2217'  
Cmt 3rd stg with 120 sxs

Plug #3 3796' - 3696'  
Cmt with 51 sxs Class B,  
39 sxs outside casing  
and 12 sxs inside.

Cmt Retainer @ 3746'

Perforate @ 3796'

Squeeze hole at 4560' (Cmt amount unknown)

DV Tool @ 4759'  
2nd stg - Could not open to circulate

Cmt Retainer @ 5536'

Perforate @ 5586'  
TOC @ 5630' (CBL)

Plug #2 5586' - 5486'  
Cmt with 51 sxs Class B  
(39 sxs outside csg & 12  
sxs inside csg)

Set CIBP @ 6372'

Dakota Perforations:  
6422' - 6650'

Plug #1 6372' - 6272'  
Cmt with 12 sxs Class B

4-1/2" 10.5#, J-55 Casing Set @ 6735'  
Cemented 1st stg with 306 sxs