

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised May 08, 2003

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-30561
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Burlington Resources Oil & Gas Company LP		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 4289, Farmington, NM 87499		7. Lease Name or Unit Agreement Name Stull
4. Well Location  Unit Letter <u>L</u> : <u>1630</u> feet from the <u>South</u> line and <u>1070</u> feet from the <u>West</u> line  Section <u>10</u> Township <u>32N</u> Range <u>10W</u> NMPM San Juan County		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 14538
		10. Pool name or Wildcat WC32N10W10LMANCOS/BASIN DK

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

It is intended to perform a cement remediation on the subject well according to the attached procedure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tammy Wimsatt TITLE Regulatory Specialist DATE 4/6/2004

Type or print name Tammy Wimsatt

Telephone No. (505) 326-9700

(This space for State use)

APPROVED BY Chuck H DEPUTY OIL & GAS INSPECTOR, DIST. DATE APR - 7 2004  
Conditions of approval, if any:

## **PROJECT OBJECTIVE:**

This well was originally completed in April 2001. During the primary cement job on the 4-1/2" production casing it only reached a top of 4150', which did not make it to the intermediate casing shoe at 3142'. BR received permission to delay remediation until wellbore pressures declined. Currently pressure are acceptable to perform the remediation. A CIBP will be placed over the existing perforations. A cement squeeze hole will be perforated at 4100' and a cement retainer placed at 4000'. Cement will then be circulated into the 6-1/4" open hole by 4-1/2" casing annulus bringing the cement up 150' into the 7" casing. The retainer will then be drilled out and the casing pressure tested to 250 psi for 15 minutes. The CIBP will then be drilled over the existing perforations and the well put back on production.

## **WELLBORE REMEDIATION**

1. Contact Lease operator to ensure all bottom hole equipment has been removed from the wellbore.

Deliver to location the following equipment:

1.	300' 2-3/8", 4.7# J-55 EUE tubing.
2.	3-7/8" bit/mill and bit sub.
3.	Six 3-1/8" drill collars (if necessary).
4.	One (1) rig tank filled with 2% KCl.
5.	

2. MIRU PU. Place fire and safety equipment in strategic locations. Comply with all BR, BLM and NMOCD rules and regulations.
3. Lay flow lines. Kill the tubing pressure with 2% KCL. NU BOP. Kill casing pressure with 2% KCL and strip out tubing hanger. TOOH.
4. MIRU wireline. RIH and set CIBP at 7030'. RU and pressure test casing to 2000 psi for 15 minutes. RIH and perforate one 0.29" or larger hole at 4100'.
5. MU tubing set cement retainer and RIH to +/- 4100'. RU and circulate tubing volume to ensure tubing is clear. Set retainer. Shift retainer and pressure test tubing to 3000 psi for 5 minutes. Shift retainer and pump cement squeeze (150 sxs neat). POOH. WOC.

Cement Volume: Squeeze hole @ 4100', 7" shoe @ 3144', 150' overlap.  $4100' - (3144' + 150') = 806'$ .  $806' * 0.1026 \text{ cuft/ft (annular volume)} = 82.7 \text{ cuft annular volume}$ .  $82.7 * 100\% = 165.4 \text{ cuft cement volume to be pumped}$ .  $165.4 \text{ cuft} / \sim 1.15 \text{ cuft/sx} = 143.8 \text{ sxs} \sim \mathbf{150 \text{ sxs cement required for squeeze.}}$

6. MIRU wireline. Run CBL from cement retainer to 200' above TOC. If log shows good bond and cement overlap of 150' into intermediate casing then continue with drill-out operations.

7. RIH with bit/mill and drill cement retainer and cement. Pressure test casing to 250 psi for 15 minutes. If test is successful stage in hole blowing down and drill CIBP about existing perforations. Clean out to PBTD and stabilize well. POOH.
8. RIH with same BHA as pulled and land tubing.
9. ND BOP. NU Tree and manifold assembly. Pump off expendable check. Make swab run to kick well off if needed. Obtain stabilized pitot gauges at 15, 30, 45, and 60 min for the entire well. Record on DFW report. **During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.** SI well. RD and MOL.

## Stull #2

1630 FSL , 1070 FWL  
Unit L, Section 10, T32N, R10W  
San Juan County, NM

LAT: 36 Deg. 59.8 Min.

LONG: 107 Deg. 52.5 Min.

GL = 6,134'

KB= 6,149'

### Proposed Wellbore

#### Surface Casing:

9-5/8" 32.3#  
Set @ 218'  
TOC @ Surface

#### Intermediate Casing:

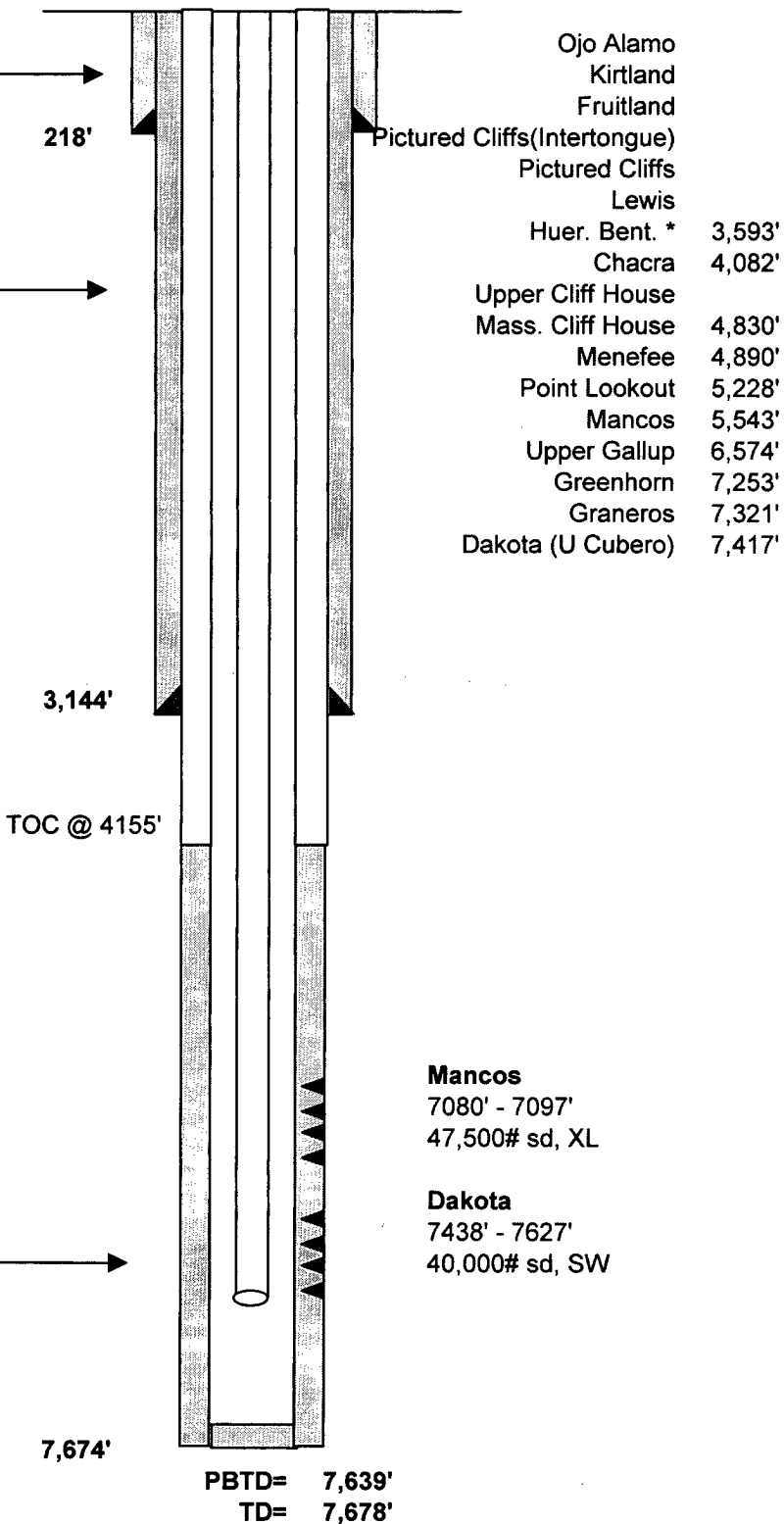
7" 20.0# J55  
Set @ 3,144'  
TOC @ Surface

#### Production Casing

4-1/2" 10.5 J-55  
Set At: 0 -- 7674  
TOC At: 4150

#### Tubing:

2-3/8" 4.7# J-55  
Saw tooth collar, SN, jt, 2' pup, 239 jts  
Set @ 7,521'



## Pertinent Data Sheet Stull #2

**LOCATION:** 1630 FSL , 1070 FWL  
Unit L, Section 10, T32N, R10W  
San Juan County, NM

**ELEVATION:** 6134' GL, 6149' KB  
**API:**

**FIELD:**

**PBTD:** 7,639'  
**TD:** 7,678'  
**SPUD DATE:** 4/9/01

**LATITUDE:** 36 Deg. 59.8 Min.  
**LONGITUDE:** 107 Deg. 52.5 Min.

**CASING RECORD:**

<u>HOLE SIZE</u>	<u>CASING SIZE</u>	<u>WEIGHT (#'s) &amp; GRADE</u>	<u>DEPTH SET</u>	<u>TOL</u>	<u>DVT</u>	<u>CMT TOP</u>
12-1/4"	9-5/8"	32.3, H40	218'		N/A	Surface
8-3/4"	7"	20, J55	3,144'		2293	Surface
6-1/4"	4-1/2"	10.5, J-55	7,674'	0	N/A	4,150'

**TUBING RECORD (proposed):**

<u>TUBING SIZE</u>	<u>WEIGHT (#'s) &amp; GRADE</u>	<u>DEPTH SET</u>	<u>BHA</u>
2-3/8"	4.7#, J-55, EUE	7,521'	Saw Tooth Collar Seating Nipple 1 joint: 2-3/8", 4.6#, J-55, EUE 2' pup joint (as marker joint) 239 jts 2-3/8", 4.7#, J-55, EUE

**FORMATION TOPS:**

Ojo Alamo	Huerfanito Bentonite*	3593'	Mancos	5543'
Kirtland	Chacra	4082'	Upper Gallup	6574'
Fruitland	Upper Cliffhouse		Greenhorn	7253'
Pictured Cliffs	Massive Cliffhouse	4830'	Graneros	7321'
P.C. Main	Menefee	4890'	Dakota	7417'
Lewis	Point Lookout	5228'		

\*300 ft above Huerfanito Bentonite is the legal top of Mesaverde in New Mexico (North of Chacra Line)

**LOGGING RECORD:**

Cased Hole:  
GR/CCL/CBL on: 4/28/2001

**STIMULATION (proposed):**

<u>Stage:</u>	<u>Formation:</u>	<u>Sand Vol:</u>	<u>Type:</u>
1	Dakota (7438' - 7627')	40,000#	Slickwater
2	Mancos (7080' - 7097')	47,500#	XL

**Workover History:**

None