

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No.
2. Name of Operator BURLINGTON RESOURCES OIL & GAS		8. Well Name and No. HUERFANO UNIT 211
Contact: PEGGY COLE E-Mail: pbradfield@br-inc.com		9. API Well No. 30-045-20778
3a. Address 3401 EAST 30TH FARMINGTON, NM 87402	3b. Phone No. (include area code) Ph: 505.326.9727 Fx: 505.326.9563	10. Field and Pool, or Exploratory ANGEL PEAK GAL/BASIN DK
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T26N R10W SENW 1550FNL 1500FWL		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

It is intended to Plug and Abandon the subject well according to the attached procedures.



14. I hereby certify that the foregoing is true and correct. Electronic Submission #16994 verified by the BLM Well Information System For BURLINGTON RESOURCES OIL & GAS, sent to the Farmington	
Name (Printed/Typed) PEGGY COLE	Title REPORT AUTHORIZER
Signature (Electronic Submission)	Date 12/18/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title PE	Date 12/20/02
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office IF=FO	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ******NMOCOD**

Area «TEAM»

PLUG AND ABANDONMENT PROCEDURE 12/11/2002

HUERFANO UNIT 211

Gallup Formation

1550' FNL & 1500' FWL

Unit F, Section 10, T26N, R10W

Latitude: N36° 30.336, Longitude: W107° 53.202

AIN: 5241202

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. All cement behind pipe determined from 3/27/00 bond log.

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, 6191'. Visually inspect tubing, if necessary LD and PU work string. Round-trip gauge ring or casing scraper for 4-1/2" 10.5# J-55 casing to 6118'.
2. Plug #1 (Gallup perforations, 6118' - ^{5750'}~~6018'~~): TIH and set a 4-1/2" cement retainer at 6118'. 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 Gallup perms. PUH with tubing to 3916'.
3. Plug #2 (Mesaverde top, 3916' - 3816'): Mix 12 sxs cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH with tubing to 2363'.
4. Plug #3 (Fruitland and Pictured Cliffs tops, 2363' - ¹⁹⁸²~~2888'~~): Mix ~~27~~ sxs cement and spot a balanced plug inside casing to cover the Fruitland and Pictured Cliff top. PUH with tubing to 1511'.
5. Plug #4 (Kirtland and Ojo Alamo tops, 1511' - 1288'): Mix ~~27~~ sxs cement and spot a balanced plug inside casing to cover the Ojo Alamo top. POOH and lay down tubing. *inside & outside 4 1/2" casing.*
6. Plug #5 (8-5/8" surface casing, 260' - Surface): Perforate 3 HSC holes at 260'. 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.
7. 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: Mike Wardinsky 12/11/02
Operations Engineer

Approved: Bruce D. Bays 12-17-02
Drilling Manager

Sundry Required: YES NO

Approved: Peggy Cole 12-17-02
Regulatory

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

MHW/clc

HUERFANO UNIT 211

WellView - Schematic

Asset ID Number 5241200	Property Number 007972227	Operator BURLINGTON RESOURCES O&G CO LP	County SAN JUAN	State NM
KB Elev (ft) 0.00	Ground Elev (ft) 6721.00	KB-Grnd Distance (ft) -6721.00	Plug Back Total Depth (ft) 	
Spud Date 6/8/71	Location Sect: 010, Twp: 026N, Rg: 010W, Poly: F, NMPM	NS Dist (ft) 1500.0	NS Flag FWL	EW Dist (ft) 1550.0
			EW Flag FNL	Latitude (DMS) 36° 30' 20.448" N
				Longitude (DMS) 107° 53' 12.408" W

Schematic

TKB (MD)	Schematic - Actual	Geology	Schematic - Proposed
10			
10			
210		<i>Nacimiento</i>	
260		$260 / 11.167 (1.15) = 20 \text{ sxs}$	
790		$50 / 4.3899 (1.15) = 10 \text{ sxs}$	Plug #5 Surface Plug Inside Casing, 260.0, 10.0
810		$210 / 4.046 (1.15) = 44 \text{ sxs}$	
875		<u>74 sxs</u>	
1288			Plug #5 Surface Plug Outside Casing, 260.0, 10.0 <u>100 sxs</u>
1338		Ojo Alamo, 1,338.0	
1461		Kirtland, 1,461.0	
1500			
1511			
1670	Main Hole, 12 1/4, 210.0		Plug #4 Ojo Alamo Plug, 1,511.0, 1,288.0 <u>21 sxs</u>
2068			
2118		<u>2032</u>	
2313		Fruitland, 2,118.0	$(1571 - 1288) + 50 / 11.167 (1.15) = 21 \text{ sxs}$
2363		Pictured Cliffs, 2,313.0	
3816			
3866			Plug #3 Fruitland/PC Plug, 2,363.0, 2,000.0 1982 <u>20 sxs</u>
3916	Main Hole, 7 7/8, 7,030.0	Mesaverde, 3,866.0	
6017			$(2363 - 1982) + 50 / 11.167 (1.15) = 33 \text{ sxs}$
6117		<i>Gallup 5800'</i>	
6118			
6160			
6161			Plug #2 Mesaverde Plug, 3,916.0, 3,816.0 <u>12 sxs</u>
6168	Gallup Perfs, 6,168.0		
6184			$12 (11.167) 1.15 = 158'$
6193			
6194	Stimulation, 6,168.0-6,184.0		
6300			
6301			Plug #1 Gallup Plug, 6,117.0, 6,017.0 <u>5750</u>
6454			$(6117 - 5750) + 50 / 11.167 (1.15) = 32 \text{ sxs}$
6725			
6726			
6755			
6775	Dakota Perfs, 6,735.0		
6856	Stimulation, 6,775.0-6,942.0	<u>6770</u>	Cement Retainer, 6,117.0, 4.052
6942		Dakota, 6,866.0	
6950			
7030			