" UNITED STATES **DEPARTMENT OF THE INTERIOR** BUREAU OF LAND MANAGEMENT

1a.	Type of Work 2007 050 -4 11 12: 30	5. Lease Number
ıa.	DRILL	NO-G-0651-1131
	070 F ₁₃₀ 1 + 4 + 4 + 4	Unit Reporting Number
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	Navajo
2.	Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
	RESOURCES Oil & Gas Company	Huerfanito Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	Huerfanito Unit 9. Well Number
	(505) 326-9700	#552
4.	Location of Well	10. Field, Pool, Wildcat
	1965'FNL, 1060'FEL	Basin Fruitland Coal
	Latitude 36° 33.7'N, Longitude 1070 MAR 6063	1. Sec., Twn, Rge, Mer. (NMPM) Sec. 24, T-27-N, R-9-W
		API# 30-045- 30940
14.	Distance in Miles from Nearest Town	12. County 13. State
	15 miles from Blanco	San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease Li	ne
16.	Acres in Lease	17. Acres Assigned to Well 320 N/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or 1800'	Applied for on this Lease
19.	Proposed Depth 2236' This soften is subject to teachmical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 5986' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program	Omitting the action as namedialed Affi
	See Operations Plan attached	SUBJECT TO COMPLIANCE WITH ATTACH
		"GENERAL REQUIREMENTS".
24.	Authorized by:	9.28-01
	Regulatory/Compliance Supervisor	Date
DEDI	BIT NO	
	IIT NO. APPROVAL DA	TE
APPR	OVED BY /S/ David J. Mankiewicz TITLE	DATE MAR 2 7 2003

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

CICO Form C-102
res Department Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION PO Box 2088

Santa Fe, NM 87504 2088 N 12: 38

AMENDED REPORT

070 Family

WELL LOCATION AND ACREAGE DEDICATION PLAT

			MELL	LUCATI	JA UNA NU	THEAGE DEDI	CATION PL	ΑI		
'API Number				Pool Code		Pool Name				
30-045-	309	HO 71629 Basin Fruitland Coal								
*Property	Code	*Property Name *Well Num					11 Number			
7138		HUERFANITO UNIT 552						552		
'OGRID I	No.				*Operator	erator Name *Elevation				levation
14538		BURLINGTON RESOURCES OIL & GAS COMPANY LP 5986					5986'			
¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
Н	24	27N	9W		1965	NORTH	1060	EA	ST	SAN JUAN
¹¹ Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
								}		
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Or			¹⁵ Order No.							
N/320										
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION										
¹⁵ 2567.40 265				2652.	54				FICATION contained herein is knowledge and belief	

2661 Peggy Cole Printed Name 15801 1060' Regulatory Supervisor LAT: 36 *33.7 N LONG: 107 *44.0 W Title 5286.60 Date *SURVEYOR CERTIFICATION I hereby certify that the well location shown on this pla was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JULY 29, 2001 2640.00 Date of Sur 5261.521 6857

OPERATIONS PLAN

Well Name: Huerfanito Unit #552

Location: 1965'FNL, 1060'FEL Section 24, T-27-N, R-9-W

Latitude 36° 33.7'N, Longitude 107° 44.0'W

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 5986'GL

Formation:	Тор	Bottom	Contents
Surface Ojo Alamo Kirtland	San Jose 1094' 1216'	1094' 1216' 1777'	aquifer gas
Fruitland Pictured Cliffs Total Depth	1777' 1988' 2236'	1988' 2236'	gas gas

Logging Program: Open hole: Platform Express TD-surface

Cased hole: CBL/GR/CCL

Mudlog: 2 Man unit form Ojo Alamo to TD

Coring Program: none

Mud Program:

<u>Interval</u>	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2236'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
9 7/8"	0' - 120'	7"	20.0#	J-55
6 1/4"	0' - 2236'	4 1/2"	10.5#	K-55
Tubing Program:				
_	0' - 2236'	2 3/8"	4.7#	J-55

Float Equipment: 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 ½" production casing - guide shoe and self-fill float collar. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 1216'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1216'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" \times 11" 2000$ psi screw on independent wellhead.

Cementing:

7" surface casing - cement with 27 sx Class A, B Portland Type I, II cement (32 cu.ft. of slurry, bring cement to surface through $\frac{1}{2}$ " line). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - Lead w/157 sx Premium Lite cement w/3% calcium chloride, 1/4 pps flocele, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS. Tail w/90 sx Type III cement w/1% calcium chloride, 1/4 pps flocele, and 0.2% FL-52 (459 cu.ft. of slurry, 100% excess to circulate to surface.)

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 7 1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

BOP and tests (If a coiled tubing drilling (CTD) rig is utilized.):

Surface to TD: 7-1/16" 2000 psi (minimum) Torus annular BOP stack (Reference Figure #1b). Prior to drilling out surface casing, test annular BOP to 600psi/30 min.

Completion: 7-1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each. Same as in original APD operations plan.

From surface to TD: choke manifold (Reference Figure #3). Same as in original APD operations plan.

The annular BOP will be actuated to close on drill pipe (coiled tubing) at least once each day and to close on open hole once each trip to test proper functioning.

Additional information:

- * The Fruitland Coal formation will be completed and commingled.
- * Anticipated pore pressure for the Fruitland is 570 psi.
- * This gas is dedicated.
- * The north half of Section 24 is dedicated to the Fruitland Coal.

_ Eric J. Diles	10/1/01
Drilling Engineer	Date