UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

а.	Type of Work 200 Min 10 Min 2:		5. Lease Number SF-078103 A		
	PRILL		Unit Reporting I		
b.	Type of Well GAS		6. If Indian, All. or	Tribe	
•	Operator		7. Unit Agreement	Name	
	BURLINGTON RESOURCES Oil	& Gas Company 19 21 27 27	Huerfand	o Unit	
3,	Address & Phone No. of Operato		8. Farm or Lease N		
	PO Box 4289, Farmingt	on, NM-874990	Huerfand 9. Well Number	o Unit	
	(505) 326-9700		552		
4.	Location of Well			10. Field, Pool, Wildcat	
	660' FNL, 1945' FEL N	INE	Basin Fruitla	nd Coal	
		and the same of th	11. Sec., Twn, Rge		
	Latitude 36 ⁰ 27.0, Long	ritude 107 ⁰ 46.4	β Sec. 34, T-26 API# 30-045- 3	-N, R-9-W <i>1130</i>	
14.	Distance in Miles from Nearest	Town	12. County	13. State	
	Bloomfield- 28 Miles		San Juan	NM	
15.	Distance from Proposed Location to Nearest Property or Lease 660'		se Line		
16.	ACIES III LEASE	view oursuant to 48 CFR 3165.3 urguant to 48 CFR 3165.4	17. Acres Assigne	d to Well	
18.	Distance from Proposed Location	on to Nearest Well, Drig, Com	ol, or Applied for on this	Lease	
19.	2600' Proposed Depth ORLLING CPER	ATIONS AUTHORIZED ARE	20. Rotary or Cabi	e Tools	
	2273 *CENERAL REC	MPHANCE WITH ATTACHED UREMENTS".	Rotary		
21.	Elevations (DF, FT, GR, Etc.) 6460 Gr	· · · · · · · · · · · · · · · · · · ·	22. Approx. Date	Work will Start	
23.	Proposed Casing and Cementin See Operations Plan a				
24.	Authorized by: Regulatory	Compliance Supervisor		t-02	
PERM	AIT NO.	APPROVA	L DATE	OCT 1 6	

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 80x 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

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

		³Pool Name		
0 ₇₁₆₂₉	Basin Fruitland Coal			
°Pro	°Property Name			
HUER	552			
* Ope	erator Name	*Elevation		
BURLINGTON RESOURC	ES OIL & GAS COMPANY LP	6460 '		
-	Pro HUER Opp BURLINGTON RESOURC			

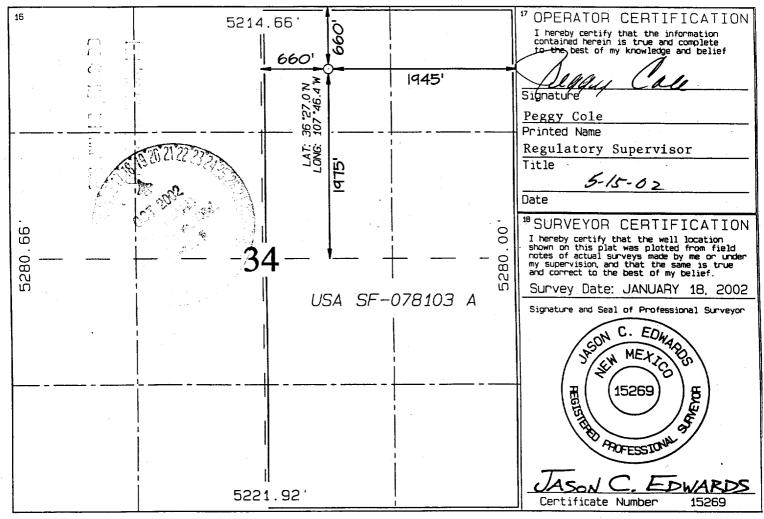
¹⁰ Surface Location UL or lot no. Lat Ido Feet from the North/South line Section Township Range Feet from the East/West line County 9W NORTH 1945 В 34 26N 660 EAST SAN JUAN 11 Bottom From Surface Hole Location Different

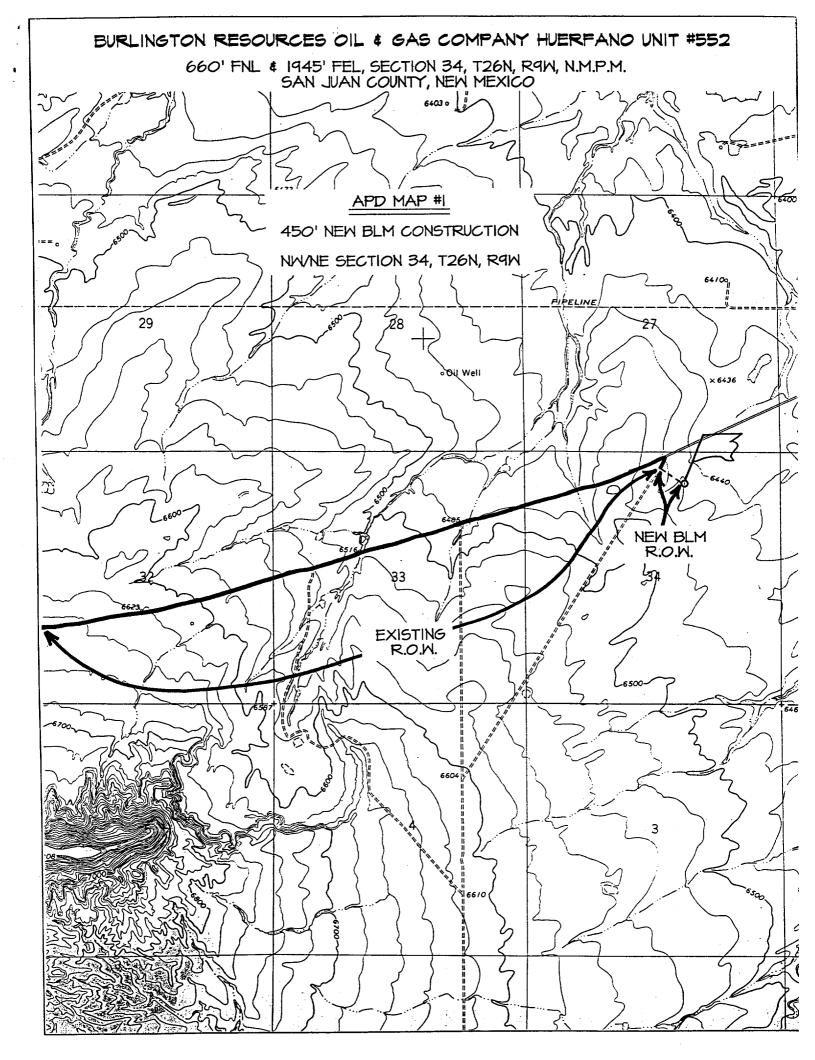
UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County

12 Dedicated Acres

E-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





OPERATIONS PLAN

Well Name: Huerfano Unit 552

Location: 660'FNL, 1945'FEL Section 34, T-26-N, R-9-W

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 6460'GR

Formation:	Top	Bottom	Contents
Surface	San Jose	1181'	
Ojo Alamo	1181'	1335'	aquifer
Kirtland	1335 '	1741'	gas
Fruitland	1741'	2023'	gas
B/Basal Coal	2023 ′	2037 ′	gas
Pictured Cliffs	2037 '		gas
Total Depth	2273'		

Logging Program:

Platform Express: TD to Surface

Mudlog: 1335' to TD Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2273'	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'	- 2273 ′	4 1/2"	10.5#	J-55
Tubing Program:					
	0 1	- 2273 '	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 @ 1335'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1335'. 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, (32 cu.ft. of slurry, bring cement to surface through 3/4" line. WOC 8 hrs. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - Lead w/135 sx Premium Lite cement w/3% calcium chloride, 1/4 pps Cello-Flake, 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 Cello-Flake, and 0.2% FL-52 (411 cu.ft. of slurry, 75% excess to circulate to surface.) If cement is not circulated to surface, a temp survey or CBL will be run during drilling or completion operations to determine TOC.

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.

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

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:

- Anticipated pore pressure for the Fruitland is 500 psi.
- This gas is dedicated.
- The east half of Section 34 is dedicated to the Fruitland Coal.

Drilling Engineer

May 21, 2002