UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work DRILL		5. Lease Number NM-03491 Unit Reporting Number		
1b.	Type of Well GAS	Nov 2001	6. If Indian, All. or Tribe		
2.	Operator BURLINGTO RESOURCES	V Oil & Gas Company	7. Unit Agreement Name Huerfanito Unit		
3.	Address & Phone No. of PO Box 4289, Far (505) 326-9700	Operator mington, NM 87499	8. Farm or Lease Name Huerfanito Unit 9. Well Number #22R		
4.	Location of Well 1620'FNL, 1010'FEL Latitude 36° 31.2'	, Longitude 107° 47.3'	10. Field, Pool, Wildcat Ballard Pict'd Cliff 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 4, T-26-N, R-9-W API # 30-045-30793		
14.	Distance in Miles from No. 25 miles from Block		12. County 13. State San Juan NM		
15. 16.	Distance from Proposed 1010' Acres in Lease	Location to Nearest Property or Leas	e Line 17. Acres Assigned to Well 161.12 NE/4		
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease				
19.	682' Proposed Depth 2380'		20. Rotary or Cable Tools Rotary		
21.	Elevations (DF, FT, GR, I	Etc.)	22. Approx. Date Work will Start		
23.	Proposed Casing and Co See Operations				
24.	Authorized by: Regul	May Call atory/Compliance Supervisor	7-//-0/		
PERI	MIT NO.	APPROVAL	L DATE 11/14/01		

Archaeological Report to be submitted

P

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.

This action is subject to technical and procedural review pursuent to 43 CFR \$185,3 and appeal pursuant to 43 CFR 3160.4.



STRICT 1 325 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

☐ AMENDED REPORT

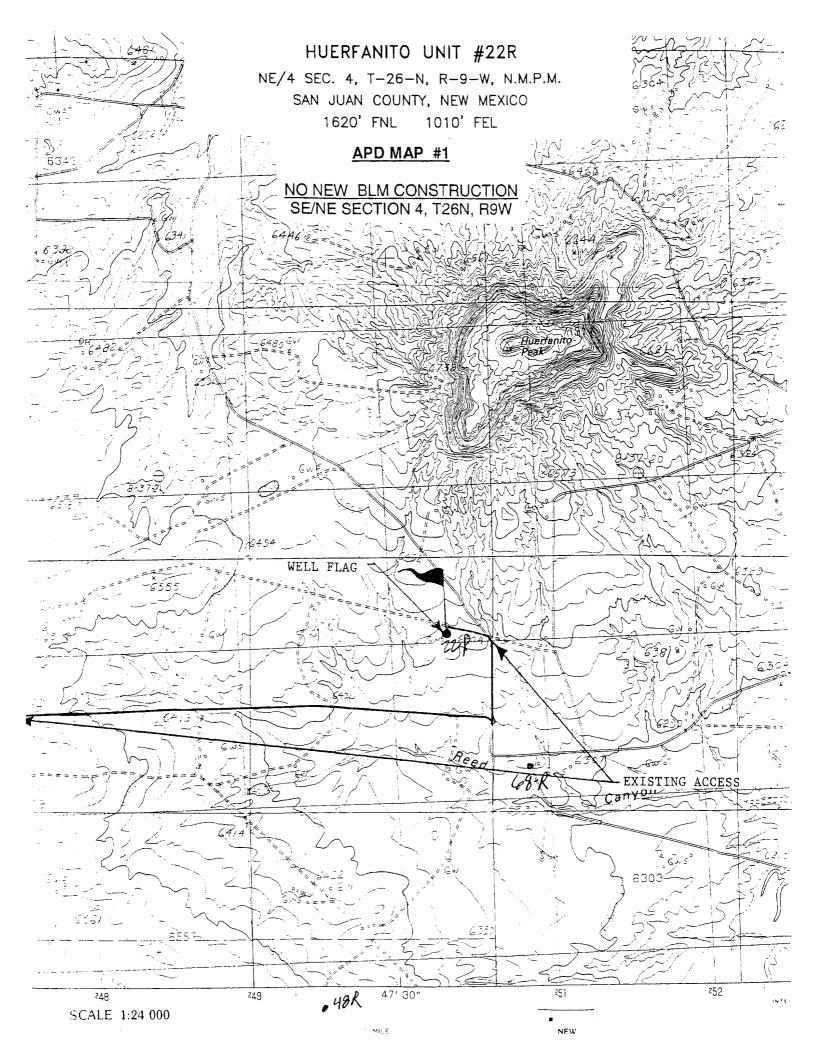
DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND	ACREAGE DEDICATION PLAI	
Pool Code	³ Pool Name	
ブ ろ	Ballard Pictured Cliffs	
	* Welt Number 22R	
	Elevation 6425	
	Pool Code 71439 Pr HUERF Or BURLINGTON RESO	77 Food Gode

					Surrace	Location _			
UL or lot no.	Section 4	Township 26-N	Range 9-W	Lot Idn	Feet from the 1620	North/South line NORTH	Feet from the 1010	East/West line EAST	SAN JUAN
<u> </u>	<u> </u>		¹¹ Bott	om Hole	Location	If Different F			T
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
13 Dedicated Acre			13 Joint or	Infili	¹⁴ Consolidation	Code	¹⁵ Order No.		
PC 161.1	<u> 2 NE/4</u>						INTERCATE !	LAVE DEEN C	CONSOLIDATE

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

16	FD 2 1/2" GLO 1947 BRASS CAP	\$ 89'53'3 2621.55'	1" W (M)	FD 2 1/2* GLO 1947 BRASS CAP	17 OPERATOR CERTIFICATION 1 hereby certify that the information contained herein
LOT 4	LOT 3	LOT 2	1620	LOT 1	is true and complete to the best of my knowledge and belief.
		 Latig 36 31,27, N, w.		S 01'14'50" W 2655.94' (M)	Signature ale
		NM-03491	292,	1010,	Peggy Cole Printed Name
		301' —	1036′		Regulatory Supervisor
		 			Date
	NOV 2007			FD 2 1/2" GLO 1947 BRASS CAP	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat
					me or under my supervision, and that the same is true and correct to the best of recommendation.
					5-11-0 KEW MEN
; ;					Signature and Sea of Profitable surveyor.
					Certificate Number



OPERATIONS PLAN

Well Name: Huerfanito Unit #22R

1620'FNL, 1010'FEL, Section 4, T-26-N, R-9-W Location:

San Juan County, New Mexico

Latitude 36° 31.2′, Longitude 107° 47.3′

Formation: Ballard Pictured Cliffs Elevation: 6425'GR

Formation:	Top	Bottom	Contents	
Surface	San Jose	1265′		
Ojo Alamo	1265*	1436'	aquifer	
Kirtland	1436 '	1959'	gas	
Fruitland	1959'	2172'	gas	
Pictured Cliffs	2172'		gas	
Total Depth	2380′		-	

Logging Program: cased hole - CBL/GR/CCL TD to surface

None Coring Program:

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud		40-50	no control
120-2380'	FW	8.4-9.0	32-45	no control

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

Hole Size	Depth Interval	Csg.Size	<u>Wt.</u>	Grade
9 7/8"	0 - 120'		20#	J-55
6 1/4"	0 - 2380'	2 7/8"	6.5#	J-55

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

2 7/8" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 1436'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1436'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 2 7/8" 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 %" line). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/317 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 (800 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 Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Pictured Cliffs is 500 psi.
- * This gas is dedicated.
- * The northeast quarter of Section 4 is dedicated to the Pictured Cliffs.

Erin 1. Diles	7/13/01
Drilling Engineer	Date