UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work	5. Lease Number NGG (65
	DRILL -	NAV-GO65211 - (
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS A	À
2.	Operator JAN 2001	7. Unit Agreement Name
	BURLINGTON 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	45R
4.	Location of Well	10. Field, Pool, Wildcat
	1140'FSL, 1180'FWL	So.Blanco Pic.Cl
	Latitude 36° 33.38, Longitude 107° 44.67	M Sec 24, T-27-N, R-
		API# 30-045- 30480
14.	Distance in Miles from Nearest Town	12. County 13. S San Juan
	10 miles to Huerfano	
15.	Distance from Proposed Location to Nearest Property or Lea	se Line
16.	Acres in Lease	17. Acres Assigned to Well
18.	Distance from Proposed Location to Nearest Well, Drlg, Com	pl, or Applied for on this Lease
19.	700' This action is subject to technical and Proposed Deplecedural review pursuant to 43 CFR 3166.3	20. Rotary or Cable Tools
	and appeal pursuant to 43 CFR 3185.4.	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will S
	et.	NILLING OPERATIONS AUTHORIZED BLECT TO COMPLIANCE WITH AT
23.	Proposed Casing and Cementing Program See Operations Plan attached	ENERAL REQUIREMENTS"
	See Operations fram accadined	
	Charles Shows I am	1-15-97
24.	Authorized by: ///////////////////////////////////	<u> </u>
		,
PERM	APPROVA	L DATE
APPF	ROVED BY June takks TITLE letr. F	DATE_\

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

NMOCD

District i PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer OD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec. NM 87410

District IV

State of New Mexico

Form C-102 Revised February 21, 1994 Instructions on back

OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

PO Box 2088 Santa Fe. NM 87504-2088 5 FM 1:41

PO Box 2088. Santa Fe. NM 87504-2088	
	Visco Contraction

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Numbe		1 Code	' Pool Name	
30-045-30	480 ₇₂₄₃₉ -	so.	Blanco Pictured Cliffs	
Property Code		' Property A	isme	' Well Number
7138		Huerfanito U	Jnit	45R
'OGRID No.		' Elevetion		
14538	BURLINGTON	RESOURCES (OIL & GAS COMPANY	6159

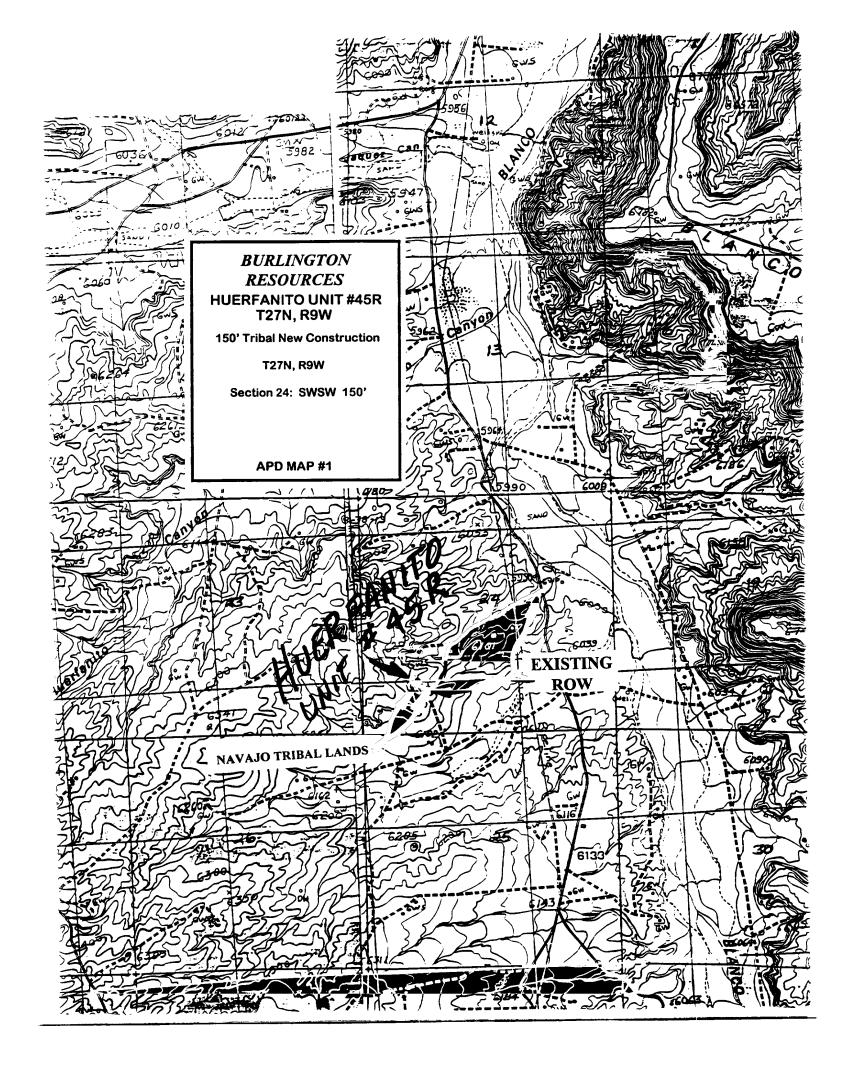
10 Surface Location

UL or lot se.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West time	County
M	24	27-N	9-W		1140	South	1180	West	S.J.

			Bot	tom Hol	e Location i	i Different Fro	om Surface			
UL or tot so.	Section	Townseip	Range	Lot ids	Fact from the	North/South line	Feet (rom the	East/West tine	County	
12 Dedicates Acr	mı 13 Tolat	or infill 1 '*	Copposidati	on Code i ¹³ C	rder No.			<u> </u>		
160										

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

OK A NON-STAI	NDARD UNIT HAS BEEN APPROVED BY	THE DIVISION
16 2567.40'	2652.54'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my installed and belief
	9 11 11 2 B	Join Shudhied
	(c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Signature
		Regulatory Administrator Title -/5.97 Date
2825	24	18 SURVEYOR CERTIFICATION I hereby cornely than the well location above on this pint was planted from field nown of actual across made by me
'	•	or under my supervision, and that the same to true and correct to the best of my belief.
NAV- G065211	ģ.	Data or Survey Signature and Scal of Process MEXICO
1180'	8	885700
5261	.52'	Ceruficale Number



OPERATIONS PLAN

Well Name: Huerfanito Unit #45R

Location: 1140'FSL, 1180'FWL Section 24, T-27-N, R-9-W

San Juan County, New Mexico

Latitude 36° 33.38, Longitude 107° 44.67

Formation: So.Blanco Pictured Cliffs

Elevation: 6159'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1239'	
Ojo Alamo	1239 '	1370 ′	aquifer
Kirtland	1370'	1.870	
Fruitland	1870 '	2110'	gas
Fruitland Coal	2060 '	2102'	gas
Pictured Cliffs	2110'		gas
Total Depth	2400 ∽		-

Logging Program: Hi Res Ind, Den/Neut, MRL/GR to Total Depth.

Mud Program:

Interval	Type	Weight	Vis.	Flui	ld Loss
0- 120'	Spud	8.4-9.0	40-50	no	control
120-2400'	LSND	8.4-9.0	40-60	no	control

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

Hole Size	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0 - 120'	8 5/8 "	23.0#	M-50
6 1/4"	0 - 2400'	3 1/2"	7.7#	WC-70

Tubing Program: - none

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

 $3\ 1/2"$ production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 1370'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1370'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 3 1/2" x 11" 2000 psi screw on independent wellhead.

Cementing:

8 5/8" surface casing - cement with 129 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (149 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi for 30 minutes.

3 1/2" production casing - Lead w/280 sx of 65/35 Class "B" Poz w/6% gel, 2% calcium chloride, and 1/4# flocele/sx. Tail w/100 sx Class "B" w/2% calcium chloride (614 cu.ft. of slurry, 75% excess to circulate to surface). WOC 12 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 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.

Additional information:

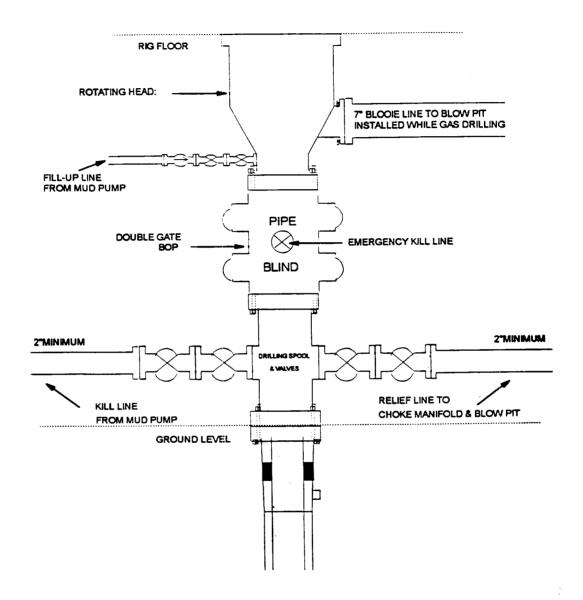
- * The Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Pictured Cliffs is 300 psi.
- * This gas is dedicated.
- * The southwest quarter of the section is dedicated to the Pictured Cliffs.
- * New casing will be utilized.
- \star Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Drilling Engineer

Date

BURLINGTON RESOURCES

BOP Configuration 2M psi System



11" Bore, 2000psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A Schaffer Type 50 or equivalent rotating head to be installed on the top of the BOP. All equipment is 2000psi working pressure/or greater.

FIGURE #1