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

la.	Type of Work		5. Lease Number	
a.	DRILL	The state of the s	NM-02804	
	u- a 1 da da da	1. 1. 9 m	5. Lease Number  NM-02804  Unit Reporting Number	
1b.	Type of Well		6. If Indian, All. or Tribe	
ID.	GAS	FEB 2000	6. If indian, Air. of Tribe	
		居 HECFIVED		
2.	Operator Operator	CIL CON DIV	7. Unit Agreement Name	
	BURLINGTON RESOURCES	Oil & Gas Company	San Juan 28-6 Unit	
3.	Address & Phone No. of Op	erator Chr. 2777 C	8. Farm or Lease Name	
	PO Box 4289, Farmi		San Juan 28-6 Unit	
			9. Well Number	
	(505) 32€-9700		138M	
4.	Location of Well		10. Field, Pool, Wildcat	
	790' FSL, 1845' FEL		Blanco MV/Basin DK	
		_	11. Sec., Twn, Rge, Mer. (NMPM)	
	Latitude 36° 38.5, I	ongitude 107° 26.0	Sec. 23, T-28-N, R-6-W API# 30-039- 26252	
14.	Distance in Miles from Near	est Town	12. County 13. State	
	32 miles from Blanco		Rio Arriba NM	
15.	Distance from Proposed Lo	cation to Nearest Property or Leas	se Line	
	790 <b>′</b>			
16.	Acres in Lease		17. Acres Assigned to Well	
			320 E/2	
18.	Distance from Proposed Lo	cation to Nearest Well, Drlg, Com	pl, or Applied for on this Lease	
	800' This action is sui	bns isolandes of toelo		
19.	Proposed Gentleural review	pursuant to 43 CFR 3166.3	20. Rotary or Cable Tools	
	7814' and appeal pursu	ant to 43 CFR 3165.4.	Rotary	
21.	Elevations (DF, FT, GR, Etc.	)	22. Approx. Date Work will Start	
	6522' GR		DRILLING OPERATIONS AUTHORIZED ARE	
23.	Proposed Casing and Ceme	enting Program	SUBJECT TO COMPLIANCE WITH ATTACK	
	See Operations Pla		"GENERAL REQUIREMENTS"	
		•		
	$\mathbf{x}'$	$\Lambda$		
24.	Authorized by:	u Coll	16-20-99	
_7.		ory/Compliance Administra		
	1,234144			
	UT NO	APPROVA	I DATE	
PERM				

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 P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION

State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

PO Box 2088, Santa Fe, NM 87504~2088

DISTRICT IV

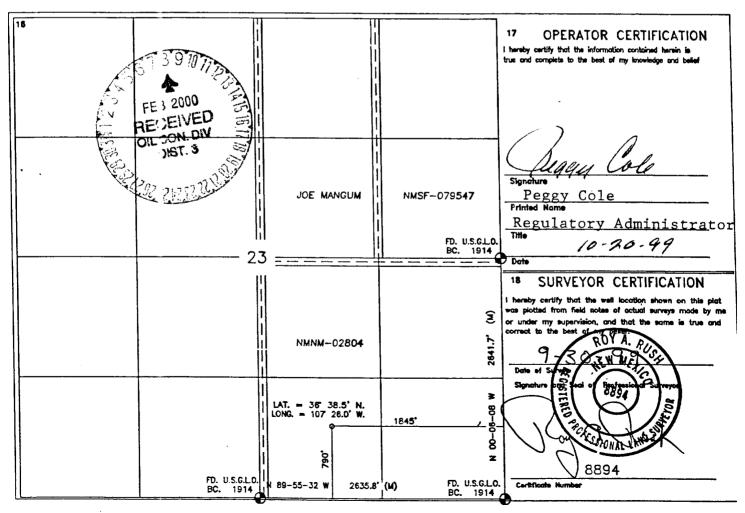
P.O. Box 2088

Santa Fe, NM 87504-2088 1990 1990 -2 11 1: 2 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLATE 504 <sup>2</sup>Pool Code 72319/71599 API Number <sup>3</sup> Pool Name 30-039-Blanco Mesaverde/Basin Dakota \*Property Code \* Well Number <sup>5</sup>Property Name 7462 SAN JUAN 28-6 UNIT 138M 7 DGRID No. \*Operator Name \* Elevation BURLINGTON RESOURCES OIL & GAS COMPANY 6522'

14538 <sup>10</sup> Surface Location UL or lot no. Section Township Ronge Feet from the North/South line Let Idn Feet from the East/West fine County 0 28-N 790 6-W SOUTH 1845 **EAST** RIO ARRIBA 11 Bottom Hole Location If Different From Surface UL or lot no. Lot Idn Feet from the North/South line Section Township Feel from the Ronge East/West line County Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 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: San Juan 28-6 Unit #138M

Location: 790'FSL, 1845'FEL, Sec 23, T-28-N, R-6-W

Rio Arriba County, NM

Latitude 36° 38.5, Longitude 107° 26.0

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 6522' GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	2618'	
Ojo Alamo	2618'	27 <b>45</b> ′	aquifer
Kirtland	2745 <b>′</b>	29 <b>46′</b>	gas
Fruitland	2946'	3333 <b>'</b>	gas
Pictured Cliffs	3333 <b>'</b>	3481'	gas
Lewis	3481'	3964'	gas
Intermediate TD	35 <b>81'</b>		
Mesa Verde	39 <b>64′</b>	4294'	gas
Chacra	4294'	5019 <b>'</b>	gas
Massive Cliff House	5019'	5 <b>174'</b>	gas
Menefee	5174'	5509 <b>′</b>	gas
Massive Pcint Lookout	5509 <b>'</b>	6027 <b>'</b>	gas
Mancos	6027 <b>'</b>	6726 <b>'</b>	gas
Gallup	672 <b>6'</b>	7474'	gas
Greenhorn	7474'	75 <b>43'</b>	gas
Graneros	7543'	7583 <b>'</b>	gas
Dakota	7583 <b>′</b>		gas
TD (4 1/2"liner)	7814'		

## Logging Program:

Cased hole - CBL-CCL-GR - TD to surface

#### Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud		40-50	no control
200- 5581'	LSND	8.4-9.0	30-60	no control
3581- ~814'	Gas	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

Hole Size	Depth Interval	Csg.Size	Wt.	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3581'	7"	20.0#	J-55
6 1/4"	34 <b>81' -</b> 7814'	4 1/2"	10.5#	K-55

### Tubing Program:

0' - 7814' 2 3/8" 4.7# J-55

### BOP Specifications, Wellhead and Tests:

# Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

### Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

#### Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

### Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

#### Wellhead -

9 5/3" x 7" x 2 3/8" x 3000 psi tree assembly.

### General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All 30P tests and drills will be recorded in daily drilling reports.
- · Blind and pipe rams will be equipped with extension hand wheels.

#### Cementing:

9 5/8" surface casing - cement with 159 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

#### 7" intermediate casing -

Lead w/327 sx Class "B" w/3% sodium metasilicate, 7# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% calcium chloride, 2% gel (1077 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2846'. First stage: cement with w/164 sx Class "B" 50/50 poz w/2% gel, 2% calcium chloride, 0.5 pps Cellophane. Second stage: 292 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 10 pps Gilsonite (1077 cu.ft., 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 2745'. Two turbolating centralizers at the base of the Ojo Alamo at 2745'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

#### 4 1/2" Production Liner -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 490 sx 50/50 Class "H" Poz with 2% gel, 0.25# flocele/sx, 5# gilsonite/sx, 0.2% retardant and 0.4% fluid loss additive (623 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of shoe joint.

