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

1a.	Type of Work	5. Lease Number
	DRILL	SF-079419
		Unit Reporting Number
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	200
2.	Operator	Nnit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company FEB 2000	
		San Juan 28-6 Unit
	RESOURCES Oil & Gas Company FEB 2000  RECEIVER  RECEIVER  OIL CON. DI  OIL CON. DI	1 <u>w</u>
3.	Address & Fliotie No. of Operator V.O. DIST.	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 874	San Juan 28-6 Unit
	(505) 205 2720	Well Number
	(505) 326-9700	93B
4.	Location of Well	10. Field, Pool, Wildcat
	383' FNL, 2527' FWL	Blanco Mesaverde
	A 1 1 1 2 2 2 2 3 A 7 1 1 1 2 2 2 2 3 A 7	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 37.4, Longitude 107° 25.1	Sec. 36, T-28-N, R-6-W
		API# 30-039- 26287
14.	Distance in Miles from Nearest Town	12. County 13. State
	36 miles from Blanco	Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease Li	ine
	383 <b>′</b>	
16.	Acres in Lease	17. Acres Assigned to Well
		321. <del>12</del> W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, o	ر کر r Applied for on this Lease
	1000' This action is subject to technical and	- Approaries on the model
19.	Proposed Depth procedural review pursuant to 43 CFR 3165.3	20. Rotary or Cable Tools
	5896' and appeal pursuant to 43 CFR 3165.4.	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6533' GR	••
23.	Proposed Casing and Cementing Program	DRILLING OPERATIONS AUTHORIZED ARE
	See Operations Plan attached	SUBJECT TO COMPLIANCE WITH ATTACH
		"GENERAL REQUIREMENTS"
	( Same / al.	10-20 00
		10-27-99
24.	Authorized by: Algan ale	
24.	Regulatory/Compliance Administrato	
	Regulatory/Compliance Administrato	r Date
		r 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
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 1 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
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II 2.0. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

DISTRICT IV PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACRE	AGE DEDICATION PLAT
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<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	
30-039-260	R 8 / 72319	Blanco Mesaverde	* Well Number
Property Code 7462	3 P.	Property Name SAN JUAN 28-6 UNIT	
<sup>7</sup> OGRID No.	10	*Operator Name	
14538	BURLINGTON RESOUR	RCES OIL & GAS COMPANY	6533'

10 Surface Location East/West line North/South line Feet from the County Feet from the Lot Idn UL or lot no. Section Township Range WEST RIO ARRIBA 2527 383 NORTH 28-N С 36 6-W

11 Rottom Hole Location of Different From Surface

			טווטט	1111 11016	Loculion 11	Different Tront	0011000		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feel from the	East/West line	County
								!	
12 Dedicated Acres	13 Joint o	or infill 14	Consolidation	Code 15 (	Order No.				
W/321.21	٦								

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

BC. 1914 16 N 89-58-05 W 2527 → 141 M	2642.9' (M)  LAT. = 36' 37.4' N. LONG. = 107' 25.1' W.  NMSF-079419	Reissued to acreage	show correct	17 OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
NMSF-079419  FD. U.S.G.L.O. BC. 1914	E-809-21	_	25 26 27 8 70 70 70 70 70 70 70 70 70 70 70 70 70	Signoture  Peggy Cole  Printed Name  Regulatory Administrator  Title   -6-00  Date  18 SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat 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.  Date of Survey  RAY A. RUS
H NMS	F-079734 LOT 3	LOT 2	LOT 1	Signature and Sales Professional Surreyou.

# OPERATIONS PLAN

Well Name:

San Juan 28-6 Unit #93B

Surface Location:

383' FNL, 2527' FWL, Section 36, T-28-N, R-6-W

Rio Arriba County, New Mexico Latitude 36° 37.4, Longitude 107° 25.1

Formation: Blanco Mesa Verde

6533' GL Elevation:

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	2641'	aquifer
Ojo Alamo	2641'	27 <b>41'</b>	aquifer
Kirtland	2741 <b>'</b>	2950 <b>′</b>	gas
Intermediate TD	2841'		-
Fruitland	2950 <b>′</b>	3331'	gas
Pictured Cliffs	3331'	3452'	gas
Lewis	3452 <b>'</b>	3922 <b>'</b>	gas
Mesa Verde	3922'	4270'	gas
Chacra	4270 <b>'</b>	4993 <b>'</b>	gas
Massive Cliff House	4993 <b>'</b>	5146 <b>'</b>	gas
Menefee	5146 <b>′</b>	5496'	gas
Point Lookout	5496'		gas
Total Depth	58 <b>96</b> ′		-

# Logging Program:

Cased hole Gamma Ray, Cement bond - surface to TD Mud Logs/Coring/DST - none

## Mud Program:

Interval- MD	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120- 2841'	LSND	8.4-9.0	30-60	no control
2841- 5896'	Air/Mist	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):

	Measured			
Hole Size	Depth	Csg Size	Weight	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2841'	7"	20.0#	J-55
6 1/4" 27	41' - 5896'	4 1/2"	10.5#	J-55

0' - 5896' 2 3/8" 4.7# J-55 Tubing Program:

### 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.

### BOP Specifications, Wellhead and Tests (cont'd):

### 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 5/8" x 7" x 2 3/8" x 2000 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 drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

#### Cementing:

 $\overline{9}$  5/8" surface casing - cement with 96 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (113 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/250 sx Class "B" w/3% sodium metasilicate, 7# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 2% calcium chloride, 7# gilsonite/sx and 0.5# flocele/sx (855 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 to determine TOC. Test casing to 1500 psi for 30 minutes.

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 2741'. Two turbolating centralizers at the base of the Ojo Alamo at 2741'. 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 circulate liner top. Pump 357 sx 50/50 Class "B" Poz w/1/4# flocele/sx, 2% gel, 0.1% retardant, 5# gilsonite/sx and 0.4% fluid loss additive (453 cu.ft., 40% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

# Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

### Additional Information:

- The Mesa Verde formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 800 psi
Pictured Cliffs 800 psi
Mesa Verde 700 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The west half of Section 36 is dedicated to the Mesa Verde.
- This gas is dedicated.

Orilling Engineer

10/28/99 Date

