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

1a.	Type of Work	5. Lease Number
	DRILL	NM-03862
		Unit Reporting Number
		7810009330 <sup>~</sup>
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	
2.	Operator	7. Unit Agreement Name
	BURLINGTON RESOURCES ON COMMON TO THE PROPERTY OF THE PROPERTY	
	RESOURCES Oil & Gas Company	San Juan 28-4 Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM \$1499	San Juan 28-4 Unit
	507	ুঞ্জ Well Number
	(505) 326-9700 P	27A
4.	Location of Well	0. Field, Pool, Wildcat
	1060' FSL, 1560' FEL	Blanco MV/Basin DK
		11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 <sup>o</sup> 38.5, Longitude 107 <sup>o</sup> 17.3	Sec. 19, T-28-N, R
	Marie de la companya	API# 30-039- 26785
14.	Distance in Miles from Nearest Town	12. County 13. State
	15 miles from Gobernador	Rio Arriba NM
45	Dietares from Department Location to Newson Department	Thus.
15.	Distance from Proposed Location to Nearest Property or Lease 1060'	Line
16.	Acres in Lease	17. Acres Assigned to Well
		319.38 S/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl,	or Applied for on this Lease
	1900'	
19.	Proposed Depth	20. Rotary or Cable Tools
	8774 <b>′</b>	Rotary
<u>21.</u>	Elevations (DE ET CD Etc.)	22 Ammery Date Marth will Offer
<b>4</b> 1.	Elevations (DF, FT, GR, Etc.) 7382' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program	
	See Operations Plan attached	
	· · · · · · · · · · · · · · · · · · ·	7-11-01
24.	Authorized by: Authorized by: Authorized by:	
	Regulatory/Compliance Supervisor	Date
DEDM	IIT NO APPROVAL I	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 I PO 8óx 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

6857

# WELL LOCATION AND ACREAGE DEDICATION PLAT

1 /	API Numbe	er Pool Code				³Pool Name						
30-03	19 Al	6/85   72319/71599				Blanco Mesaverde/Basin Dakota						
*Property		<del></del>	*Property Name *Well Number							11 Number		
7459		SAN JUAN 28-4 UNIT						i i			27A	
'0GRID 1	No.	*Operator Name							*Elevation			
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14538	l						<del></del>					7382 '
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UL or lot no.	Section	Township	Range	Lot Ion	Feet from		North/South line		t from the	ace East/We	est line	County
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12 Dedicated Acres	1	13 Joint or Infill	34 Conce	olidation Code	<sup>15</sup> Order	No				L		
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MV 319.3		I										
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		OR A N	10N-ST	ANDARD	UNIT HA	S BE	EN APPROVED	BY T	HE DIVI	SION		
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# "Burlington resources oil. & Gas Company San Juan 28-4 unit #27A 1060' FSL & 1560' FEL, SECTION 19, T28N, R4W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO WICK 31/1/2 APD MAP # NO NEW CONSTRUCTION SW/SE SECTION 19, T28N, R4W 3145 EXISTING R.O.W.

# OPERATIONS PLAN

Well Name: San Juan 28-4 Unit #27A

Location: 1060'FSL, 1560'FEL, Sec 19, T-28-N, R-4-W

Rio Arriba County, NM

Latitude 36<sup>o</sup> 38.5, Longitude 107<sup>o</sup> 17.3

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 7382' GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3684'	
Ojo Alamo	3684'	3874 <b>'</b>	aquifer
Kirtland	3874 <b>′</b>	3954 <b>′</b>	gas
Fruitland	3954'	4334 '	gas
Pictured Cliffs	4334'	4449'	gas
Lewis	4449'	4974'	gas
Intermediate TD	4549'		•
Mesa Verde	4974'	5324 <b>′</b>	gas
Chacra	5324 <b>′</b>	6139 <b>′</b>	gas
Massive Cliff House	6139'	6189'	gas
Menefee	6189'	6504 <b>′</b>	gas
Massive Point Lookout	6504'	7064'	gas
Mancos	7064′	7704 <b>′</b>	gas
Gallup	7704′	8454 <b>′</b>	gas
Greenhorn	8454'	8504'	gas
Graneros	8504'	8569'	gas
Dakota	8569 <b>′</b>		gas
TD	8774'		_

# Logging Program:

Mud logs - none

Open hole - ARI, CNL-CDL - TD to 4549' Cased hole - CBL-CCL-GR - TD to surface

Cores - none

### Mud Program:

Inter	rval	Type	Weight	Vis.	Fluid Loss
0 -	300'	Spud		40-50	no control
300-	4549'	LSND	8.4-9.0	30-60	no control
4549-	8774 1	Air/N2	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.	Grade
12 1/4"	0' - 300'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4549'	7"	20.0#	J-55
6 1/4"	4449' - 8774'	4 1/2"	10.5#	K-55

# Tubing Program:

0' - 8774' 2 3/8" 4.7# J-55

# BOP Specifications, Wellhead and Tests:

### Surface to Intermediate TD -

11" 3000 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" 3000 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, 3000 psi minimum choke manifold (Reference Figure #2).

### Completion Operations -

7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). 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 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
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP 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 239 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (282 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/485 sx 50/50 Class "G" TXI Liteweight cement with 2% calcium chloride, 2.5% sodium metasilicate, 10 pps Gilsonite and 0.5 pps Celloflake. Tail w/90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.25 pps Celloflake (1367 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.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar 3854'. First stage: cement with w/163 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps Celloflake. Second stage: 449 sx 50/50 Class "G"/TXI Liteweight with 2% calcium chloride, 2.5% sodium metasilicate, 10 pps Gilsonite, 0.25 pps Celloflake (1367 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 3874'. Two turbolating centralizers at the base of the Ojo Alamo at 3874'. 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 431 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps Celloflake, 5 pps Gilsonite (621 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 float shoe.