UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work	5. Lease Number
	DRILL	SF-079074
		Unit Reporting Number
1b.	Type of Well	6. If Indian, All. or Tribe
ı D.	GAS	o. Il malan, An. of Tribe
	GAD	and the second s
2.	Operator	7 Onit Agreement Name
	BURLINGTON	
	RESOURCES Oil & Gas Con	npany San Juan 30-6 Unit
		A PAR
3.	Address & Phone No. of Operator	Farm or Lease Name
	PO Box 4289, Farmington, NM 8	
		9. Welf Number
	(505) 326-9700	₹ %
4.	Location of Well	10. Field, Pool, Wildcat
	1805' FNL, 1975' FWL	Blanco MV/Basin DK
	- · · · · · · · · · · · · · · · · · · ·	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ⁰ 47.2, Longitude 10	77° 33.6 F Sec. 27, T-30-N, R-7-W
		API # 30-039- 26 78 0
14.	Distance in Miles from Nearest Town	12. County 13. State
17.	7 miles from Navajo City	Rio Arriba NM
	, miles from navaje erej	
15.	Distance from Proposed Location to Neare	st Property or Lease Line
	1805 ′	
16.	Acres in Lease	17. Acres Assigned to Well
		320 W/2
40	Distance from Decreased Location to Moore	at Well Dala Complian Applied for an third cons
18.		st Well, Drig, Compl, or Applied for on this Lease
	800'	
		No. 10. Definition of the second
40	procedural review pu	familia to de form care a
19.	Proposed Depth and appeal pursuant	180201 to 43 OFF 9166.3 20. Rotary or Cable Tools
19.		familia to de form care a
	Proposed Depth 8282'	180401 to 43 OFF 3166.3 20. Rotary or Cable Tools to 43 CFR 3185.4. Rotary
19. 21.	Proposed Depth and appeal pursuant	180201 to 43 OFF 9166.3 20. Rotary or Cable Tools
21.	Proposed Depth 8282' Elevations (DF, FT, GR, Etc.) 6890' GR	10 43 CFR 3185.4. Rotary or Cable Tools 10 43 CFR 3185.4. Rotary 22. Approx. Date Work will Start
	Proposed Depth 8282' Elevations (DF, FT, GR, Etc.) 6890' GR Proposed Casing and Cementing Program	20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start 23. Approx. Date Work will Start
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21. 23. 24. PERM	Proposed Depth 8282' Elevations (DF, FT, GR, Etc.) 6890' GR Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory/Complian	22. Approx. Date Work will Start 22. Approx. Date Work will Start 23. Approx. Date Work will Start 24. Approx. Date Work will Start 25. Approx. Date Work will Start 26. Approx. Date Work will Start 27. Approx. Date Work will Start 28. Approx. Date Work will Start 29. Approx. Date Work will Start 29. Approx. 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.

NAGO

District I PO Box 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

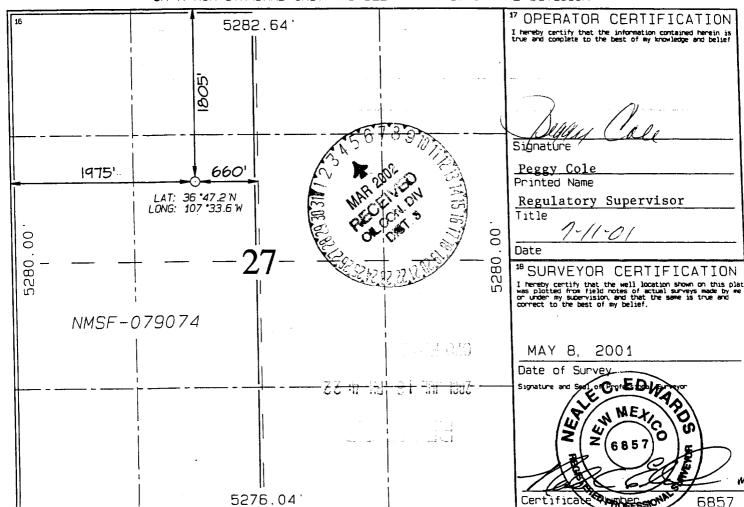
State Lease - 4 Copies Fee Lease - 3 Copies

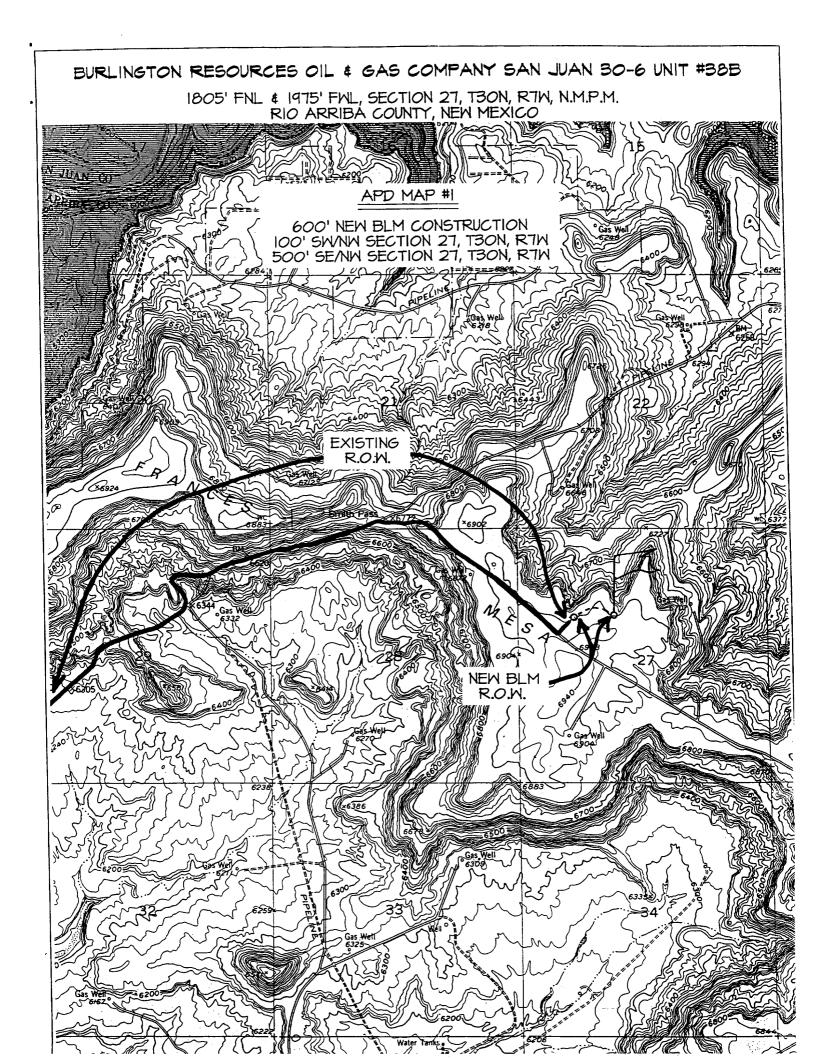
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number				, boo1 foo	₽	PDD1 Name				
30-039	26	780 72319/71599 Blanco Mesaverde/Basin Dako				n Dakota				
'Property Code				³Property Name				• We	*Well Number	
7469		SAN JUAN 30-6 UNIT						38 B		
'OGRID N	OGRID No. Operator Name					' E	*Elevation			
14538			BURLINGTON RESOURCES OIL & GAS COMPANY					6890 '		
	¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County	
F	27	30N	7W	·	1805	NORTH	1975	WEST	RIO ARRIBA	
	¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres MV W/320		13 Joint or Infi	11 14 Cons	solidation Code	¹⁵ Onder No.					
DK W/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 30-6 Unit #38B

Location: 1805'FNL, 1975'FWL, Sec 27, T-30-N, R-7-W

Rio Arriba County, NM

Latitude 36° 47.2, Longitude 107° 33.6

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 6890' GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	2762'	
Ojo Alamo	2762'	2952 '	aquifer
Kirtland	2952 '	3317 ′	gas
Fruitland	3317'	3792'	gas
Pictured Cliffs	3792'	3937'	gas
Lewis	3937'	4482'	gas
Intermediate TD	4037'		
Mesa Verde	4482'	4817 ′	gas
Chacra	4817 ′	5607 ′	gas
Massive Cliff House	5607'	5662'	gas
Menefee	5662'	5987 ′	gas
Massive Point Lookout	5987'	6352'	gas
Mancos	6352 ′	7252 '	gas
Gallup	7252 '	7977 '	gas
Greenhorn	7977'	8032'	gas
Graneros	8032'	8102'	gas
Dakota	8102 '		gas
TD	8282'		

Logging Program:

Mud logs - none

Open hole - ARI 4037' to TD, CNL-CDL - TD to 4037'

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

Cores - none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 300'	Spud	8.4-9.0	40-50	no control
300- 4037'	LSND	8.4-9.0	30-60	no control
4037- 8282'	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 Interva	l <u>Csg.Size</u>	Wt.	Grade
12 1/4"	0' - 300		32.3#	WC-50
8 3/4"	0' - 403'	7' 7 "	20.0#	J-55
6 1/4"	3937' - 828	2' 4 1/2"	10.5#	K-55

Tubing Program:

0' - 8282' 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). nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

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/426 sx 50/50 Class "G" TXI Liteweight cement with 2.5% sodium metasilicate, 2% calcium chloride, 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 Flocele (1213 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 3217'. First stage: cement with w/193 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps Celloflake. Second stage: 375 sx 50/50 Class "G"/TXI Liteweight with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Celloflake (1213 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 2952'. Two turbolating centralizers at the base of the Ojo Alamo at 2952'. 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 433 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps Celloflake, 5 pps Gilsonite (624 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.

Operations Plan - San Juan 30-6 Unit #38B

Page Three

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well

• 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 (Gas/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.
- Deduster equipment will be utilized.
- 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 Mesaverde and Dakota formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi Pictured Cliffs 600 psi Mesa Verde 700 psi Dakota 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The west half of Section 27 is dedicated to the Mesaverde and Dakota in this well.
- This gas is dedicated.

Drilling Engineer

7/13/01