UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

1a.	Type of Work DRILL	5. Lease Number / 50 14 76 14 8 17 8 14 17 8 14 17 8 14 17 8 17 17 17 17 17 17 17 17 17 17 17 17 17
1b.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESCURCES Oil & Gas Company	7. Unit Agreement Name San Juan 27-4 Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 27-4 Unit 9. Well Number #101N
4.	Location of Well 2140' FNL, 260' FEL Latitude 36° 32.7430'N, Longitude 107° 14.8622'	10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) W Gec. 28, T27N, R04W
		API # 30-039- 27650
14.	Distance in Miles from Nearest Town	12. County 13. State
	18 miles to Gobernador	Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease Lin 260'	ne
16.	Acres in Lease	17. Acres Assigned to Well 320 E/2 DK 320 E/2 MV
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or 1100'	Applied for on this Lease
19.	Proposed Depth 8165'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6898' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	
24.	Authorized by: Regulatory Compliance Specialist	216104 Date

Archaeological Report attached

Threatened and Endangered Species Report attached

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.

PO Box 1980, Hobbs, NM 88241-1980

Energy, Minerals & Natural Resources Department

Revised February 21, 1994 Instructions on back

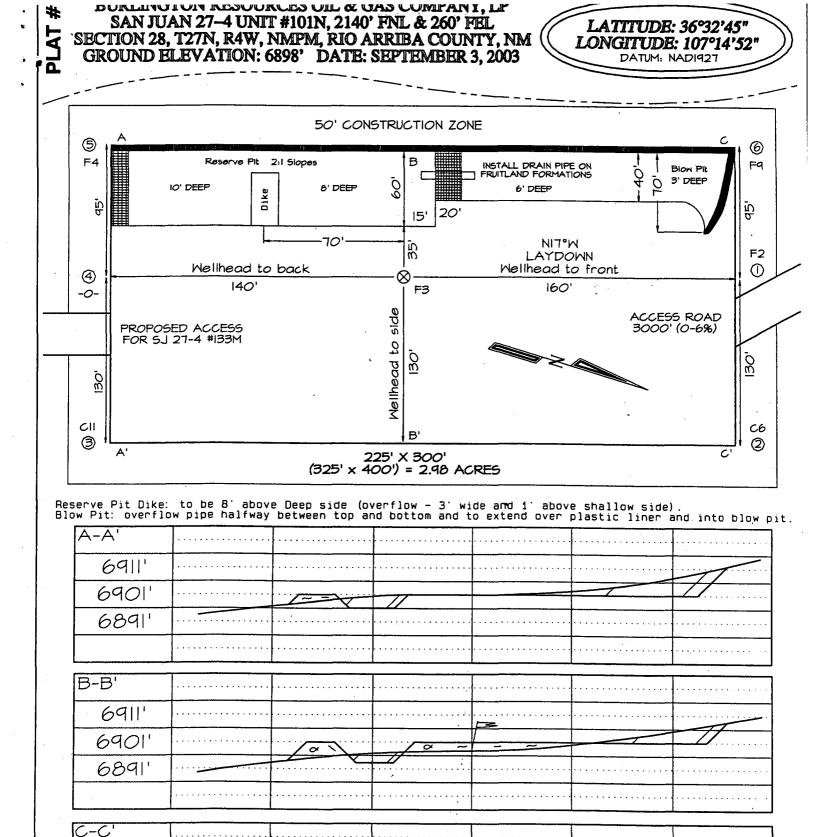
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

District II PO Drawer DD, Artesia, NM 88211-0719 OIL CONSERVATION DIVISION P0 Box 2088 Santa Fe, NM 87504-2088 District III 1000 Rio Brazos Rd., Aztec. NM 87410

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT												
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'Property Code 7452			!	*Property Name SAN JUAN 27-4 UNIT				101N				
'OGRID No.				*Operator Name			*Elevation			levation		
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						¹⁰ Surface Location						
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	П 20		ottom	Hole L					om Surface			ARRIBA
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th		North/South line		of from the		est line	County
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¹² Dedicated Acres MV-E/320					¹³ Joint or Infi	111	¹⁴ Consolidation Code	¹⁵ Orde	r No.			•
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Note: Contractor should call One—Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

6911

6901' 6891'

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #101N

Location: 2140'FNL, 260'FEL, Sec 28, T-27-N, R-4-W

Rio Arriba County, NM

Latitude 36° 32.74'N Longitude 107° 14.86'W

Formation: Blanco Mesaverde/Basin Dakota

Formation Tops:	Top	Bottom Con	Bottom Contents		
Surface	San Jose	3175′			
Ojo Alamo	3175 <i>'</i>	3405'	aquifer		
Kirtland	3405'	3585'	gas		
Fruitland	3585 <i>'</i>	3765 <i>'</i>	-		
Pictured Cliffs	3765'	3865'	gas		
Lewis	3865′	4261'	gas		
Intermediate TD	3965′		-		
Huerfanito Bentonite	4261'	4715′	gas		
Chacra	4715′	5333'	gas		
Upper Cliff House	5333′	5440′	-		
Massive Cliff House	5440′	5582'			
Menefee	5582 ′	5922′	gas		
Point Lookout	5922'	6430′	gas		
Mancos	6430′	7060 ′	gas		
Gallup	7060 ′	7869 ′	gas		
Greenhorn	7869'	7932'	gas		
Graneros	7932'	7956'	gas		
Dakota	7956 ′	8087 ′	gas		
Upper Cubero	8087′	8129'	gas		
Lower Cubero	8129'	8150'	gas		
Oak Canyon	8150′		-		
TD	8165'				

Logging Program:

Mud Logs/Coring/DST -

Mud logs - none
Coring - none
DST - none
Open hole - none

Cased hole - Gamma Ray, CCL, CBL - surface to TD

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud MUD/Air/Air Mist	8.4-9.0	40-50	no control
120- 3965'	LSND	8.4-9.0	30-60	no control
3965- 8165'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

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

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 120 200 -BLM	9 5/8"	32.3#	H-40
8 3/4"	0' - 3965'	7"	20.0#	J-55
6 1/4"	0' - 7800'	4 1/2"	10.5#	J-55
6 4"	7800' - 8165'	4 1/2"	11.6#	N-80

Tubing Program: 0' - 8165' 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 5/8" x 7" x 4 ½" x2 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:

- 9 5/8" surface casing -
 - Pre-Set Drilled Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (37 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.
- 9 5/8" surface casing conventionally drilled Cement with 88 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride.
 (113 cu.ft.-200% excess, bring cement to surface). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

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

7" intermediate casing -

Lead with 359 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (888 cu ft- 50% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar set 300' above the top of the Fruitland. First stage: Lead with 14 sacks Premium Lite cmt w/3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% sodium metascilicate, 0.4% fluid loss. Tail w/90 Type III cmt w/1%calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: Lead with 345 sacks with Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (888 cu ft-50% 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 @ 3405'. Two turbolating centralizers at the base of the Ojo Alamo 3405'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Cement with 288 sacks Premium Lite HS w/ 0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. (571 cu.ft.-30% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

Cement float collar stacked on top of float shoe.

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

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 air/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 and the 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 below the top of the Pictured Cliffs.
- The east half of Section 28 is dedicated to the Mesa Verde and Dakota.
- This gas is dedicated.

Sean Corregion

Drilling Engineer Date

Debugy 25, 2004