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

la.	Type of Work	5. Lease Number
	DRILL	NMSF-079383 Unit Reporting Number MV-8910005380
1b.	Type of Well	DK-8910005380B 6. If Indian, All. or Tribe
	GAS JUN 2002	
2.	Operator The Company	7. Unit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company	San Juan 30-6 Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	San Juan 30-6 Unit
	(505) 326-9700	9. Well Number 96B
4.	Location of Well	10. Field, Pool, Wildcat
	2515' FNL, 180' FEL SENE	Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ^o 47.0, Longitude 107 ^o 31.9	H Sec. 26, T-30-N, R-API# 30-039- 270//
14.	Distance in Miles from Nearest Town	12. County 13. State
	13 miles from Gobernador	Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease I 180'	
16.	Acres in Lease	17. Acres Assigned to Well 320 E/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, 600'	or Applied for on this Lease
19.	Proposed Depth 7686' DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6254′ GR	22. Approx. Date Work will Start
23.	See Operations France accading	iction is subject to technical and idural review pursuant to 43 CFR 3165.3 ppeal pursuant to 43 CFR 3165.4
24	Authorized by State of Clarks	5-9-07
24.	Authorized by: Regulatory/Compliance Supervisor	Date
PER!	AIT NO APPROVAL D	DATE 6/5/82
1711		, , , , , , , , , , , , , , , , , , ,

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 Box 1980, Hobbs, NM 88241-1980

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

District II PO Drawer DD, Artesia, NM 88211-0719

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

Certificate Number

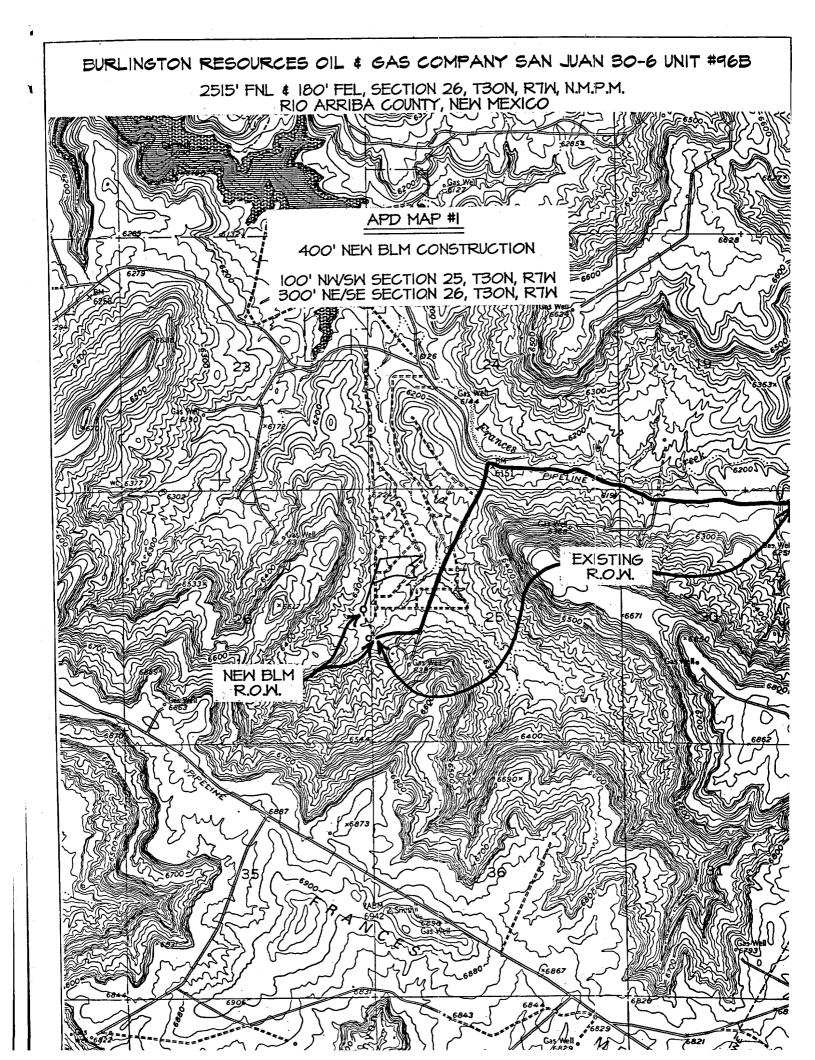
District III 1000 Rio Brazos Rd. Aztec, NM 87410

AMENDED REPORT

minted TV

PO Box 2088, S	Santa Fe.	NM 87504-20	88	٠.							•
			WELL	LOCATI	ON AND A	CREAGE DED					
A ¹	PI Number			Pool Code	•		: 3P	ool Name	•		
30-039-	270	//	72319	71599	В1:	anco <u>Mesaver</u>	de/Bas	in Dak	ota		· · · · · · · · · · · · · · · · · · ·
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7469				S	F NAUL NA	30-6 UNIT					96B
OGRID I	No.				*Operator						levation
14538		BU	IRLING	STON RE	ESOURCES	OIL & GAS	COMPA	NY LP			5254'
					¹⁰ Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	1	rom the		est line	RIO
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Ļ	1	11 Pc	ottom	Hole L	ocation I	f Differen	t From	Surf	ace		
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet	from the	East/W	est line	County
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2 Dedicated Acre	.	<u> </u>		L	¹³ Joint or Infill	¹⁴ Consolidation Code	²⁵ Order N	b.			
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OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #96B

2515'FNL, 180'FEL, Section 26, T-30-N, R-7-W

Rio Arriba County, New Mexico

Latitude 36° 47.0, Longitude 107° 31.9

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 6254'GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	2141'	
Ojo Alamo	2141'	2361'	aquifer
Kirtland	2361'	2771'	gas
Fruitland	2771 '	3171 ′	
Pictured Cliffs	3171'	3366'	gas
Lewis	3366 ′	3881 ′	gas
Intermediate TD	3466'		
Huerfanito Bentonite	3881'	4196′	gas
Chacra	4196'	5011'	gas
Cliff House	5011 ′	5046 ′	
Menefee	5046′	5376 ′	gas
Point Lookout	5376'	5726 ′	gas
Mancos	5726 ′	6616 ′	gas
Gallup	6616 ′	7376 ′	gas
Greenhorn	7376'	7426'	gas
Graneros	7426'	7566'	gas
Dakota	7566 ′		gas
TD	7686′		

Logging Program:

Mud logs - none

Open hole - AIT, CNL-CDL - TD to intermediate casing

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

Cores - none

Mud Program:

-						
	Inte	rval	Type	Weight	Vis.	Fluid Loss
	0-	200'	Spud	8.4-9.0	40-50	no control
	200-	3466'	LSND	8.4-9.0	30-60	no control
	3466-	7686'	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.	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3466'	7"	20.0#	J-55
6 1/4"	3366' - 7686'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7686'

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 times.
- 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 134 sx Type III cement with 2% calcium chloride, 0.25 pps Celloflake (189 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/309 sx Premium Lite cement with 3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS. Tail w/90 sx Type III cmt w/1% calcium chloride, 0.25 pps Flcoele, 0.2% fluid loss (781 cu.ft. of slurry, 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 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 2671'. First stage: cement with w/26 sx Premium Lite cmt w/3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS. Tailed w/90 sx Type III cmt w/1% calcium chloride, 0.25 pps Flocele, 0.2% fluid loss. Second stage: 283 sx Premium Lite cmt w/3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS (781 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 at 2361'. Two turbolating centralizers at the base of the Ojo Alamo at 2361'. 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 $1/2" \times 7"$ overlap. Lead with 313 sx Premium Lite cmt w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss (620 cu.ft.), 40% excess to cement 4 $1/2" \times 7"$ overlap). WOC a minimum of 18 hrs prior to completing.

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

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 east half of Section 26 is dedicated to the Mesaverde and the Dakota in this well.
- This gas is dedicated.

Brennan D. Short	4/15/02	
Drilling Engineer	Daté	