UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work	5. Lease Number
	DRILL	NM-029146
7 7 .		Unit Reporting Number
1b.	Type of Well	6. If Indian, All. or Tribe
ıņ.	GAS	o. Il malati, All. of Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas	7. Unit Agreement Name
		A Section Name
3.	Address & Phone No. of Operator	8. Farm or Lease Name San Juan
	PO Box 4289, Farmington, N	San buan
	(505) 326-9700	20B
	(303) 326-3700	6. 7
4.	Location of Well	10. Field, Pool, Wildcat
→.	1170' FSL, 660' FWL	Otero Chacra/
	1170 131, 000 1111	Blanco MV/Basin DK
		11, Şec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ⁰ 40.7, Longitude	107° 45.5 M Sec. 35, T-29-N, R-9-
	Hatteade 30 40.77 Hongroude	API # 30-045- 30 87 8
14.	Distance in Miles from Nearest Town	12. County 13. State
	6.6 miles from Blanco	San Juan NM
15.	Distance from Proposed Location to Ne	arest Property or Lease Line
	660'	4 A A A A A A A A A A A A A A A A A A A
16.	Acres in Lease	17. Acres Assigned to Well Cha - 157-28 50/4/5
		Cha - 35 - 28 30 7 7 3
		MV/DK - 306.1 ₡ ₡/2
18.	Distance from Proposed Location to No	arest Well, Drlg, Compl, or Applied for on this Lease
	இருந்து திரும்முறும். கார்க்க	
19.	Proposed Depth procedural 1 6716'	SVISSO CLIPBIANT to 45 CIPH 3195.8 Rotary or Cable Tools BUILDING to 43 CFR \$165.4 Rotary Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	5804' GR	
	Proposed Casing and Cementing Prog	am general de la
23.		
23.	See Operations Plan attach	
23.		ed 1 //www.sect - States van Arman.
23.		
23.		ed Liveral to the first variable was always to the first basel and
23. 24.	See Operations Plan attach	ed Liver to the first of which and the war and the same a
	See Operations Plan attach	ed Liveral to the first variable was always to the first basel and
24.	See Operations Plan attach	ed Liver to the first of which and the war and the same a

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 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

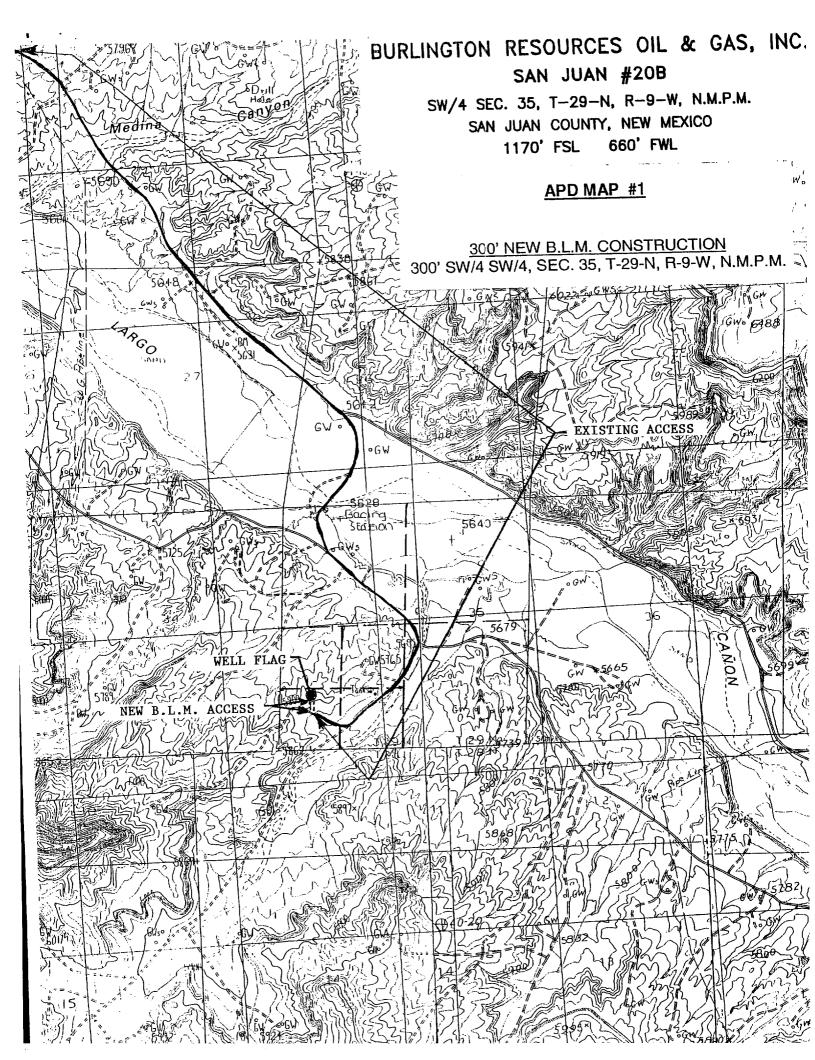
DISTRICT II 811 South First, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

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

8894

OO Rio Brazos Ro					2040 South P Santa Fe, NM				AMENI	ED REPORT
040 South Pache	co, Santa F	'е, им втоио W	ELL LO	OCATIO!	N AND ACI	REAGE DEDI	CATION PL	AT		
1 API	Number			Pool Code			Pool Name			
30-045-	~	78	82329	9/72319	/71599 Oter	o Chacra/Bla	nco Mesaver	de/Bas	in Dak	ota
Property Co		<u>· </u>			Property 1	Name		1	Wel	l Number
7451					SAN JUAN			ŀ	:	20B
OGRID No			<u></u>		*Operator	Name			• 1	Elevation
	1		В	JRLINGTON	N RESOURCES	OIL AND GAS, IN	IC.		5	804'
14538	`			. <u></u>	10 Surface	Location				
UL or lot no.	Section 35	Township 29-N	Range 9-W	Lot ldn	Feet from the	North/South line SOUTH	Feet from the 660'	East/Wes		SAN JUAN
		<u> </u>	11 Rott	om Hole	Location	f Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/We	est line	County
Dedicated Acr	ea	<u> </u>	12 Joint or	Infill	¹⁴ Consolidation	Code	"Order No.			
MV-W/306		153.97	1							
	WABLE V	OR A	NON-ST	D TO THANDARD	UNIT HAS B	ON UNTIL ALL EEN APPROVEI	17	OPERA	TOR C	ERTIFICATIO
LOT		LC -029146	ο τ 3		LOT 2	esti		Ze ga a	y G	J ale
LOT LOT FD 3 1/2" B.L.M. 8C		LC	OT 6		LOT 7	Lot 8	Print	gy Cole ed Name		
2573.09' (M))29146 L(— — — DT 11	35 -	LOT 10		I hereby was ple me or end co	SURVE y certify tha otted from fi under my m rrect to the	YOR O	ERTIFICATION on the actual servers made and that the same is to the same in the same is the same in th
660′			· · · · · · · · · · · · · · · · · · ·		Q.C. (i la 71 200	1882 352	ature and	a Pla	Signal Signal or:



OPERATIONS PLAN

Well Name: San Juan #20B

Location: 1170'FSL, 660'FWL, Section 35, T-29-N, R-9-W

San Juan County, New Mexico

Latitude 36° 40.7, Longitude 107° 45.5

Formation: Otero Chacra/Blanco Mesa Verde/Basin Dakota

Elevation: 5804''GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1091′	
Ojo Alamo	1091'	1266'	aquifer
Kirtland	1266′	1694'	
Fruitland	1694'	2191'	gas
Pictured Cliffs	2191'	2301'	gas
Lewis	2301 ′	2776 '	gas
Intermediate TD	2401'		
Huerfanito Bentonite	2776 ′	3141'	gas
Chacra	3141'	3846'	gas
Massive Cliff House	3846 ′	3866 ′	gas
Menefee	3866'	4466'	gas
Point Lookout	4466'	4826 ′	gas
Mancos	4826 '	5631 '	gas
Gallup	5631 ′	6391 '	gas
Greenhorn	6391'	6461'	gas
Graneros	6461'	6521'	gas
Dakota	6521 ′		gas
TD	6716'		

Logging Program:

Mud logs - none Open hole - none Cased hole - CBL-CCL-GR - TD to surface Cores - none

Mud Program:

Interval		Type	Weight	<u>Vis.</u>	Fluid Loss	
	0- 200'	Spud	8.4-9.0	40-50	no control	
	200- 2401'	LSND	8.4-9.0	30-60	no control	
	2401- 6716'	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 Int	erval	Csg.Size	Wt.	Grade
12 1/4"	0'-		9 5/8"	32.3#	WC-50
8 3/4"	0' -	2401'	7"	20.0#	J-55
6 1/4"	2301' -	6716'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6716' 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 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 159 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (188 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/235 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 (721 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 1594'. First stage: cement with w/190 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps Celloflake. Second stage: 186 sx 50/50 Class "G"/TXI Liteweight with 2% calcium chloride, 2.5% sodium metasilicate, 10 pps Gilsonite, 0.25 pps Celloflake (721 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 1266'. Two turbolating centralizers at the base of the Ojo Alamo at 1266'. 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 440 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps Celloflake, 5 pps Gilsonite (634 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.