UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

la.	Type of Work	5. Lease Number
	DRILL ~	SF-080674 Unit Reporting Number
b.	Type of Well GAS	6. If Indian, All. or Tribe
	Operator	7. Unit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company	San Juan 27-4 Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM (1999)	8. Farm or Lease Name San Juan 27-4 Unit
	(505) 326-9700	9. Well Number 142B
·./	Location of Well 160' FSL, 2000' FEL	10. Field, Pool, Wildcat Blanco Mesaverde —
	Latitude 36° 33.1, Longitude 10 15.3	11. Sec., Twn, Rge, Mer. (NMPM) O Sec. 21, T-27-N, R-4-
		API# 30-039-76456
4.	Distance in Miles from Nearest Town 18 miles from Gobernador	12. County 13. State Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease Line	
16.	Acres in Lease	17. Acres Assigned to Well 320 E/2
18.	Distance from Proposed Location to Nearest Well, Drig, Compl, or A	Applied for on this Lease
19.	Proposed Depth 6263'_ and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6836' GR —	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	DEFINITIONS AUTHORIZED ARE SUPPROT TO COMPLIANCE WITH ATTACHED
24.	Authorized by: Walley Cale	GENERAL REQUIREMENTS". 5-3-00
£7.	Regulatory/Compliance Supervisor	Date
PERM	IIT NO. APPROVAL DA	TE

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 Eox 1980, Hobbs. NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 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 PO Box 2088

District III 1000 Rio Brazos Rd., Aztec. NM 87410

Santa Fe, NM 87504-2088

MENDED REPORT

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strict IV Box 2088, Sa	anta Fe. 1	NM 87504-2	088							
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			WELL	LOCATIO	DA AND AC	REAGE DEDIC	CATION PL	_A I		
¹AF	I Number			Pool Code			Pool Nam	ie		
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7452					*Operator				142B Elevation	
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14538					Surface I					
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		11 [ottom	Hole L	ocation I		From Sur		West line	County
UL or lot no.	Sect ion	Township	Fange	Lot Ion	Feet from the	North/South line	Peet 11 Sill the	2001)		
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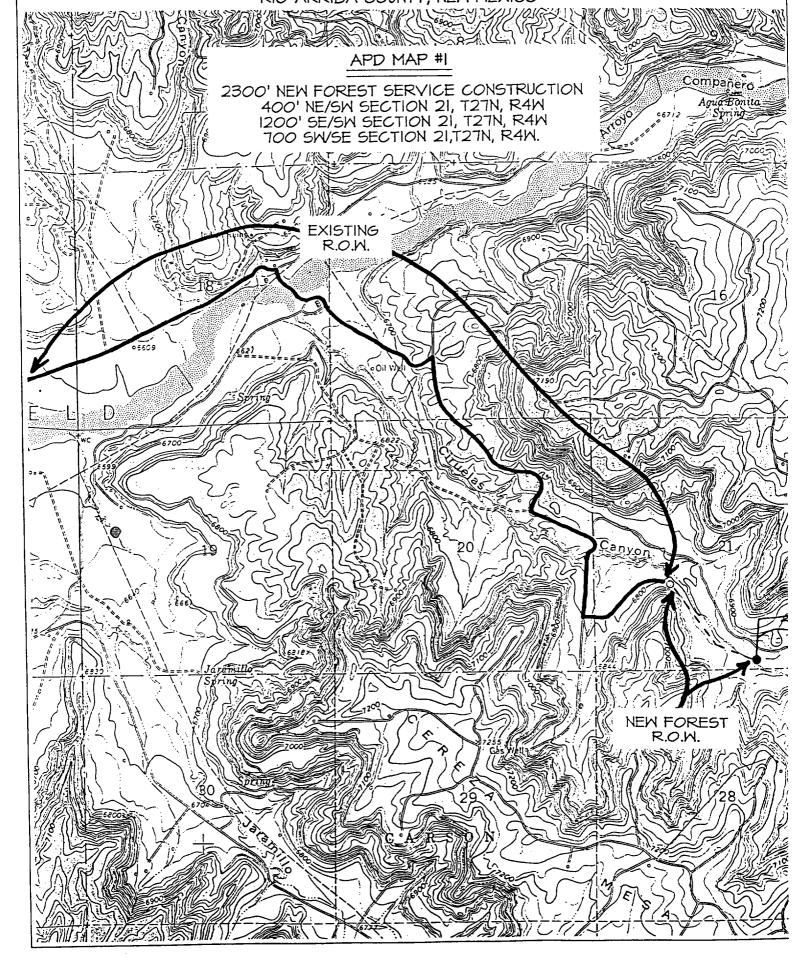
2000'

5270.76

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-4 UNIT # 1428

160' FSL & 2000' FEL, SECTION 21, T27N, R4W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO



OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #142B

Location: 160'FSL, 2000'FEL, Section 21, T-27-N, R-4-W

Rio Arriba County, New Mexico

Latitude 36° 33.1, Longitude 107° 15.3

Formation: Blanco Mesa Verde

Elevation: 6836'GL

Formation Tops:	<u>Top</u>	Bottom	<u>Contents</u>
Surface	San Jose	3116′	
Ojo Alamo	3116′	3230'	aquifer
Kirtland	3230'	3355'	-
Fruitland	3355'	3699'	gas
Pictured Cliffs	3699'	3793'	gas
Lewis	3793′	4198'	gas
Intermediate TD	3893'		_
Huerfanito Bentonite	4198'	4658′	gas
Chacra	4658'	5448'	gas
Massive Cliff House	5448'	5528'	gas
Menefee	5528'	5863'	gas
Point Lookout	5863 '		gas
Total Depth	626317		

Logging Program:

Mud Logs/Coring/DST -

Mud logs - none

Coring - none

DST - none

Cased hole - Gamma Ray, Cement bond - surface to TD

Mud Program:

<u> Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3893'	LSND	8.4-9.0	30-60	no control
3893- 6263'	Air/Mist	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):

Measured

Hole Size	<u>Depth</u>	<u>Csq Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3893'	7"	20.0#	J-55
6 1/4"	3793' - 6263 ~	4 1/2"	10.5#	J-55

<u>Tubing Program:</u> 0' -6263' 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 2 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 - 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/359 sx Class "B" w/3% sodium metasilicate, 5# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/6% gel, 2% calcium chloride, 5# gilsonite/sx and 0.25# flocele/sx (1171 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 to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 3255'. First stage: cement with 66 sx Class "B" 50/50 poz w/2% gel, 7 pps Gilsonite, 1% calcium chloride, 0.5 pps Cellophane. Second stage: 336 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 7 pps Gilsonite (1171 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 3230'. Two turbolating centralizers at the base of the Ojo Alamo at 3230'. 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 circulate liner top. Pump 280 sx 50/50 Class "B" Poz w/1/4# flocele/sx, 2% gel, 0.1% retardant, 5# gilsonite/sx and 0.4% fluid loss additive (355 cu.ft., 40% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

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 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.
- 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 formation will be completed.
- 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

- 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 21 is dedicated to the Mesa Verde.
- This gas is dedicated.

Drilling Engineer

Date