UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a. b.	Type of Work DRILL Type of Well GAS	NMSF-079 11 TOTAL GOOD Unit Reporting Number 8910016500
_	Type of Well	Unit Reporting Number
_		
_		6. If Indian, All. or Tribe
<u>.</u>	CILE	
	Operator	7. Unit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company	San Juan 29-7 Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name
,.	PO Box 4289, Farmington, NM 87499	San Juan 29-7 Unit
	10 Box 42037 IdImingeon, Im 6 100	9. Well Number
	(505) 326-9700	33В
l.	Location of Well	10. Field, Pool, Wildcat
	2180'FSL, 2610'FEL	Blanco Mesaverde
	Latitude 36° 43.5, Longitude 107° 31.3	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 13, T-29-N, R-7-W
	Edition of Tittly Linguistics	API # 30-039- 27064
14.	Distance in Miles from Nearest Town	12. County 13. State
	10 miles from Navajo City	Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease L	ine
16.	Acres in Lease	17. Acres Assigned to Well 320 E/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, o	or Applied for on this Lease
	1700' graduate to the committee and the committe	
	61.3 appea, pursuant to 43 CFR 3165,4	an Dirich City Tools
19.	Proposed Depth 5725'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6303' GR	
23.	Proposed Casing and Cementing Program	OBJULING OPERATIONS AUTHORIZED ARE
	See Operations Plan attached	OBILLING OPERATIONS AUTHORITH ATTACHED SUBJECT TO COMPLIANCE WITH ATTACHED *GENERAL REQUIREMENTS*.
	(Same Mari	*GENERAL ALUGARDA
24.	Authorized by: Regulatory/Compliance Supervisor	Date
	T NO. APPROVAL D	

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.

MACACIT

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District I PO Box 1980, Hobbs, NM 88241-1980

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13 mi 52 bil

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	LOCATI	ON AND AC	CREAGE DEDI	_			
'API Number 'Pool Code				Pool Name						
30-039-27064 72			723							
¹Property Code				Property Name				}	*Well Number 33B	
7465				SAN JUAN 29-7 UNIT						
'OGRID No.			*Operator Name					'	*Elevation	
14538			BURLIN	IGTON R	ESOURCES (OIL & GAS CC	MPANY, LP		6303'	
14550					¹⁰ Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County RIO	
J	13	29N	7W		2180	SOUTH	2610	EAST	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	
										
12 Dedicated Acres 23 Joint or Infill 24 Consolidation Code 25 Order No.										
MV-E/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										
Le .									TIFICATION	
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							to the	certify that the district control of the certify that the certific	e and complete page and belief	
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NE 01/351					Signatur		y Cale			
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1 1/1/2	•					L	Peggy Printed			
						1		tory Super	visor	
1		1		'1		1	Ti+10			

460'

2180

LAT: 36 *43.5 N LONG: 107 *31.3 W

30'

5274.72

Date *SURVEYOR CERTIFICATION

80.

5280.

2610'

6-20.02

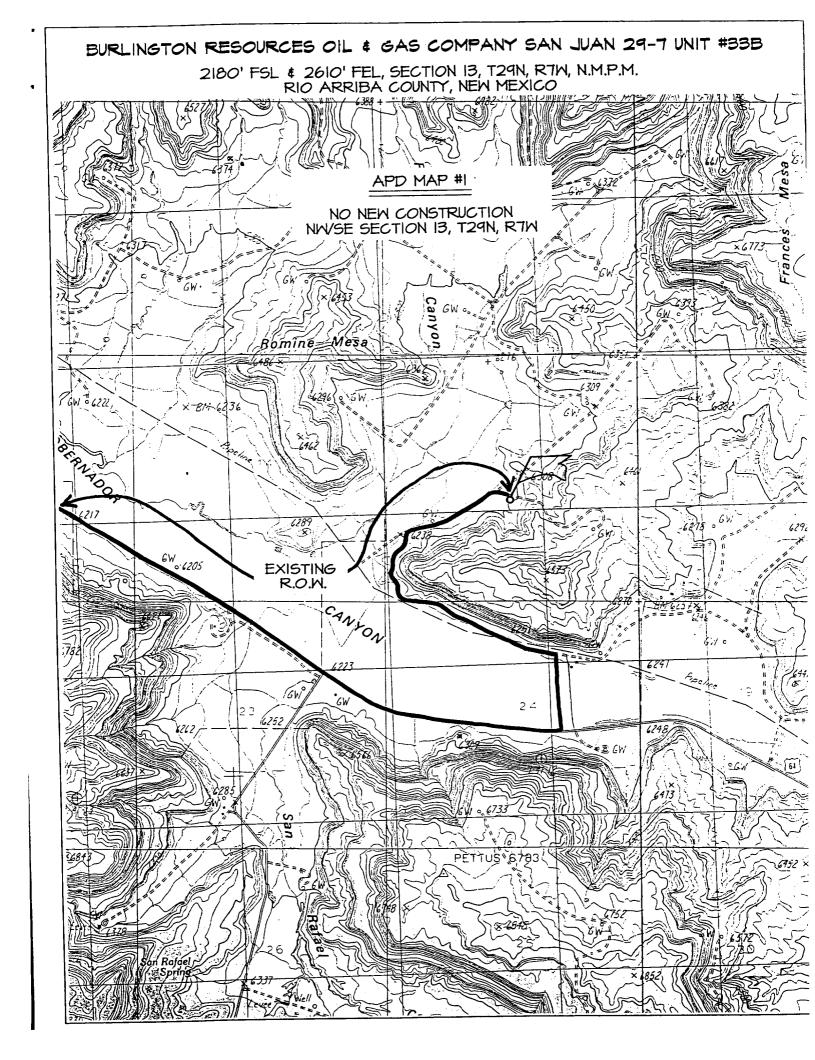
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: APRIL 19, 2002

Signature and Seal of Professional Surveyor



15269 Certificate Number



OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #33B

Location: 2180'FSL, 2610' FEL, Section 13, T-29-N, R-7-W

Rio Arriba County, New Mexico

Latitude 36° 43.5, Longitude 107° 31.3

Formation: Blanco Mesa Verde

Elevation: 6303'GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	Contents
Surface	San Jose	2270 '	
Ojo Alamo	2270 ′	2415'	aquifer
Kirtland	2415 '	2920'	
Fruitland	2920'	3155'	gas
Pictured Cliffs	3155'	3235'	gas
Lewis	3235 '	3905 '	gas
Intermediate TD	3485'		
Huerfanito Bentonite	3905 ′	4155′	gas
Chacra	4155'	4905'	gas
Massive Cliff House	4905′	5015 ′	gas
Menefee	5015'	5325'	gas
Point Lookout	5325'		gas
Total Depth	5725'		

Logging Program:

Mud Logs/Coring/DST Mud logs - none
Coring - none
DST - none

Open hole - none

Cased hole - Gamma Ray, CCL - surface to TD

Mud Program:

Interval- MD	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3485'	LSND	8.4-9.0	30-60	no control
3485- 5725'	Air/Mist/N2*	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

*Nitrogen might be used in conjunction with or instead of air to prevent a down hole fire.

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

Hole Size	Measured Depth	Csg Size	Weight	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3485'	7"	20.0#	J-55
6 1/4"	3385' - 5725'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 5725' 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.

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 134 sx Type III cement with 1/4# Celloflake/sx and 2% 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/311 sx Premium Lite cmt w/3% calcium chloride, and 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, 0.2% fluid loss and 0.25 pps Flocele (785 cu.ft. of slurry, 50% excess to circulate to surface.) 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.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar at 2820'. First stage: cement with 12 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: 298 sx Premium Lite cmt $\frac{1}{w}$ 3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS (785 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 2415'. Two turbolating centralizers at the base of the Ojo Alamo at 2415'. 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 170 sx Premium Lite cmt w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss (336 cu.ft., 40% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

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 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 700 psi Mesa Verde

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

Brennan D. Shut 5/21/2002
Drilling Engineer Date