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

a.	Type of Work	5. Lease Number	
-•	DRILL _	SF-079527	
		Unit Reporting Number	•
	MAR 2001	891001 <u>05</u> 4A	
b.	Type of Well GAS — Type of Well GAS — Type of Well	6. If Indian, All. or Tribe	
	GAS - ON CON DAY CON		
	Operator Operator	7. Unit Agreement Name	
	BURLINGTON Oil & Gas Company 1168	San Juan 27-4 Un	it
	Address & Phone No. of Operator	8. Farm or Lease Name	
	PO Box 4289, Farmington, NM 87499	San Juan 27-4 Un	it
		9. Well Number	
	(505) 326-9700	135A	
	Location of Well	10. Field, Pool, Wildcat	
•	955' FSL, 870' FEL	Blanco Mesaverde	
		11. Sec., Twn, Rge, Mer. (
	Latitude 36° 31.5, Longitude 107° 11.8	ρ Sec. 36, $T-27-N$,	R-4-W
		API# 30-039-2659	/
4.	Distance in Miles from Nearest Town	12. County	13. State
	26 miles from Gobernador	Rio Arriba	NM
-	Distance from Dromand Leasting to Name to Dromant and Leasting		
15.	Distance from Proposed Location to Nearest Property or Lease Lie	ne	
16.	Acres in Lease	17. Acres Assigned to W	ell
		320 E/2	
8.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or	Applied for on this Lease	
	75' This sales to sale to temperat and		
19.	Proposed Depth Proposition and the proposed to the page 3	20. Rotary or Cable Tool	S
	6563' — and appeal personnel to 43 OFF 8185.4.	Rotary	
1.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work	vill Stårt
	7241' GR -	€» ••••	
23.	Proposed Casing and Cementing Program	· · · · · · · · · · · · · · · · · · ·	
	See Operations Plan attached	THE PROPERTY ARE	رں دے
		THE RIVER ANTACHED TO A	****
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	Jan Can	11.11.	
24.	Authorized by: Alfal Call	11-19-0	
	Regulatory/Compliance Supervisor	Date	\Box
		. <u></u>	
	IT NO. APPROVAL DA		

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 B8241-1980

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

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

District IV PO Box 2088, Santa <u>Fe. NM 87504-2088</u> State of New Mexico Energy, Minerals & Natural Resources Department

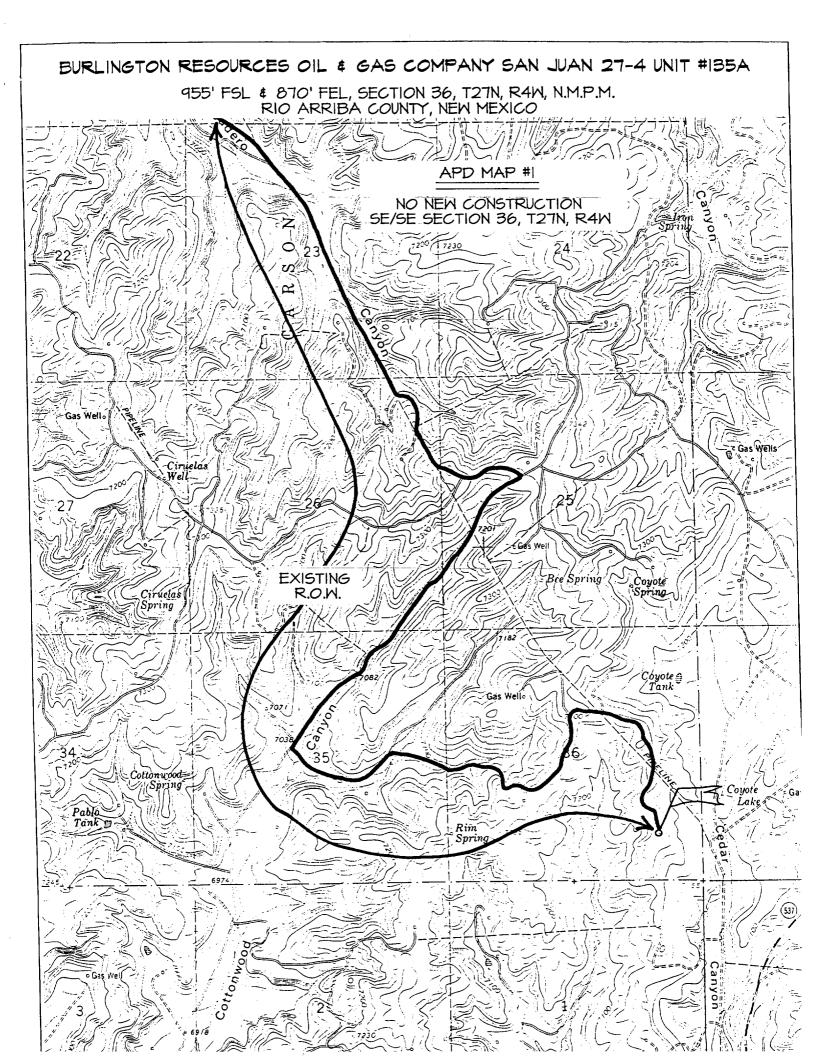
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back

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

AMENDED REPORT

			WELL	LOCATI	ON AND ÃO	CRĒAGE DEDI	CATI	ON PL	ΔΤ .		
A.	PI Number	- / 27		Pool Cod	е		3	ool Name			
30-039-	26 S	96	7231	9		nco Mesaverd	e			- Bu-3	1 Number
*Property	Code			ς	Property AN JUAN 2	7-4 UNIT					1 Number 35A
7452	10				*Operator						levation
'OGRID N	NO.		BURLI	NGTON		OIL & GAS	СОМ	PANY			241_
14538		···			¹⁰ Surface						
UL or lat no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet	from the	East/We	est line	County
Р	36	27N	4W		955	SOUTH	8	70	EΑ	ST	RIO ARRIBA
	l	11 E	Bottom	Hole L	ocation I	f Different	From	n 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
			19.		25 Order No.		<u> </u>				l
¹² Dedicated Acres		¹³ Joint or Ir	Trill Con	solidation Code	e "Urder No.	•				•	
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OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #135A

Location: 955'FSL, 870'FEL, Section 36, T-27-N, R-4-W

Rio Arriba County, New Mexico

Latitude 36° 31.5, Longitude 107° 11.8

Formation: Blanco Mesa Verde

Elevation: 7241'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	3578 ′	
Ojo Alamo	3578 ′	3688'	aquifer
Kirtland	3688 ′	3706'	
Fruitland	3706 '	4010'	gas
Pictured Cliffs	4010'	4123'	gas
Lewis	4123'	4513 ′	gas
Intermediate TD	4373'		-
Huerfanito Bentonite	4513 ′	4990′	gas
Chacra	4990'	5833 '	gas
Massive Cliff House	5833 ′	5879 '	gas
Menefee	5879 '	6163'	gas
Point Lookout	6163'		gas
Total Depth	6563'		

Logging Program:

Mud Logs/Coring/DST -Mud logs - none

Coring - none DST - none

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

Mud Program:

Interval- N	1D Type	Weight	Vis.	Flu	id Loss
0- 200'	Spud	8.4 - 9.0	40-50	no	control
200- 4373 '	LSND	8.4-9.0	30-60	no	control
4373- 6563 '	Air/Mist/N	12* 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):

	Measured			
Hole Size	Depth	Csg Size	Weight	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4000'	7 "	20.0#	J-55
8 3/4"	4000' - 4373'	7"	23.0#	N-80
6 1/4"	4273' - 6563'-	4 1/2"	10.5#	J-55

Tubing Program: 0' -6563' 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 -

95/8" 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 "H" 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/465 sx 50/50 Class "G"/Trinity Light w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "G" Poz w/2% gel, 2% calcium chloride, 5# gilsonite/sx, 0.1% antifoam and 0.25# flocele/sx (1315 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 3606'. First stage: cement with 180 sx Class "G" 50/50 poz w/2% gel, 5 pps Gilsonite, 2% calcium chloride, 0.25 pps Flocele, 0.1% antifoam. Second stage: 420 sx Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 1/2 pps Flocele, 10 pps Gilsonite (1315 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 3688'. Two turbolating centralizers at the base of the Ojo Alamo at 3688'. 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 230 sx 50/50 Class "G" Poz w/1/4# flocele/sx, 4.5% gel, 0.1% retardant, 5# gilsonite/sx, 0.25% fluid loss additive (329 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 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 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 36 is dedicated to the Mesa Verde.

• This gas is dedicated.

Mily Wording Sty

11/28/00 Date