UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

la.	Type of Work	5. Lease Number		
	DRILL	SF-079049B		
		Unit Reporting Number		
lb.	Type of Well	6. If Indian, All. or Tribe		
	GAS (A)			
2.	Operator APR 2000	ZnUnit Agreement Name		
- •	167.	Come Agreement Name		
	RESOURCES Oil & Gas Company CON DIVED	San Juan 28-6 Unit		
3.	Address & Phone No. of Operator	B. Farm or Lease Name		
	PO Box 4289, Farmington, NM 87499	San Juan 28-6 Unit		
	6. 81 11 81 The	9. Well Number		
	(505) 326-9700	33B		
4.	Location of Well	10. Field, Pool, Wildcat		
	2195' FNL, 530' FWL	Blanco Mesaverde		
	7 1 1 260 27 0 7 1 1 1270 00 0	11. Sec., Twn, Rge, Mer. (NMPM)		
	Latitude 36° 37.2, Longitude 107° 28.8	Sec. 33, T-28-N, R-6-W API# 30-039- 26296		
		Arra 30-000- 262/6		
14.	Distance in Miles from Nearest Town	12. County 13. State		
	52 miles from Blanco	Rio Arriba NM		
15.	Distance from Proposed Location to Nearest Property or Lease Line			
	530'			
16.	Acres in Lease	17. Acres Assigned to Well		
		325.59 W/2		
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or	Applied for on this Lease		
	2400' This action is subject to technical and			
19.	Proposed Depth procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools		
	2921. end ebben bareaur in the day a second	Rotary		
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start		
	6465' GR			
23.	Proposed Casing and Cementing Program	DONLING ODERATIONS AUTHORISES AND		
	See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED AR SUBJECT TO COMPLIANCE WITH ATTACK		
		"GENERAL REQUIREMENTS"		
		GENERAL REQUIREMENTS		
24.	Authorized by: Slagy Ole	10-27-99		
24 .	Regulatory/Compliance Administrator	<u> </u>		
DEDM	IIT NO. APPROVAL DA	ATE		
L [1/14				

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 P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994

P.O. Drawer DD, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION

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

1000 Rlo Brozos Rd., Aztec, N.M. 87410 PO Box 2088, Sonta Fe, NM 87504-2088

DISTRICT IV

P.O. Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT- 18 1 1

¹API Number	² Pool Code	³ Pool Name	³ Pool Name	
30-039-26,29	と、 72319	Blanco Mesaverde		
⁴ Property Code 7462	SAN JUAN 28-6 UNIT			
7 OGRID No.	•0	perator Name	• Elevation	
14538	BURLINGTON RESOUR	RCES OIL & GAS COMPANY	6465'	

¹⁰ Surface Location UL or lot no. Section Township Range Lot Idn Feel from the Horth/South line Feet from the East/West line County Ε 28-N 33 6-W 2195 NORTH 530 WEST RIO ARRIBA

¹¹Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feel from the North/South line Feet from the East/West line County ¹² Dedicated Acres 15 Joint or Infili 14 Consolidation Code 19 Order No. W/325.59

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

0.		<u> </u>		
BC. 1914 2637.	8' (M) BC. 1914	S 89-56-47 E	FD. U.S.G.L.O. BC. 1914	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
2195,	ل _{اي} يو.	AP	23 15 6 300 C	
	SF-079049-B	SEC OLG	THE STATE OF THE S	Sigheture Cale
530' LAT. = 36' 37.2' N. LONG. = 107 28.8' W.				Peggy Cole Printed Name Regulatory Administrator Title 10-29-49
		33 ————— 		18 SURVEYOR CERTIFICATION
	NMSF-079051			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.
		1		Date of Survey Signature on Selections Congress
	,- '		,	R894 STONAL LIMITED
				Certificate Number

OPERATIONS PLAN

Well Name:

Surface Location:

San Juan 28-6 Unit #33B

2195' FNL, 530' FWL, Section 33, T-28-N, R-6-W

gas

Rio Arriba County, New Mexico

Latitude 36° 37.2, Longitude 107° 28.8 Blanco Mesa Verde

Formation: Elevation:

6465' GL

Formation Tops:	Top	Bottom	Contents
Surface Ojo Alamo Kirtland Intermediate TD	San Jose 2447' 2583' 2683 '	2447' 2583' 2831'	aquifer aquifer gas
Fruitland Pictured Cliffs Lewis Mesa Verde Chacra Massive Cliff House Menefee Point Lookout	2831' 3222' 3365' 3780' 4149' 4865' 4996' 5421'	3222' 3365' 3780' 4149' 4865' 4996' 5421'	gas gas gas gas gas gas

5821'

Logging Program:

Total Depth

Cased hole Gamma Ray, Cement bond - surface to TD Mud Logs/Coring/DST - none

Mud Program:

Interval- MD 0- 320'	<u>Type</u> Spud	Weight 8.4-9.0	$\frac{\text{Vis.}}{40-50}$	Fluid Loss
320- 2683 '	LSND	8.4-9.0		no control
2683- 5821'			30-60	no control
2003 3021	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):

8 3/4" 0' - 320' 9 5/8" 32.3# H-40 6 1/4" 2583! - 5831! 20.0# J-55		Measured			
1 1/2	12 1/4" 8 3/4"	0' - 320' 0' - 2683'	9 5/8"	32.3#	Grade H-40 J-55

Tubing Program: 0' - 5821' 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.

BOP Specifications, Wellhead and Tests (cont'd):

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 255 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (301 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/234 sx Class "B" w/3% sodium metasilicate, 7#
gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B"
Poz w/2% gel, 2% calcium chloride, 7# gilsonite/sx and 0.5#
flocele/sx (807 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.

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 2583'. Two turbolating centralizers at the base of the Ojo Alamo at 2583'. 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 366 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 (465 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 800 psi Pictured Cliffs 800 psi Mesa Verde 700 psi

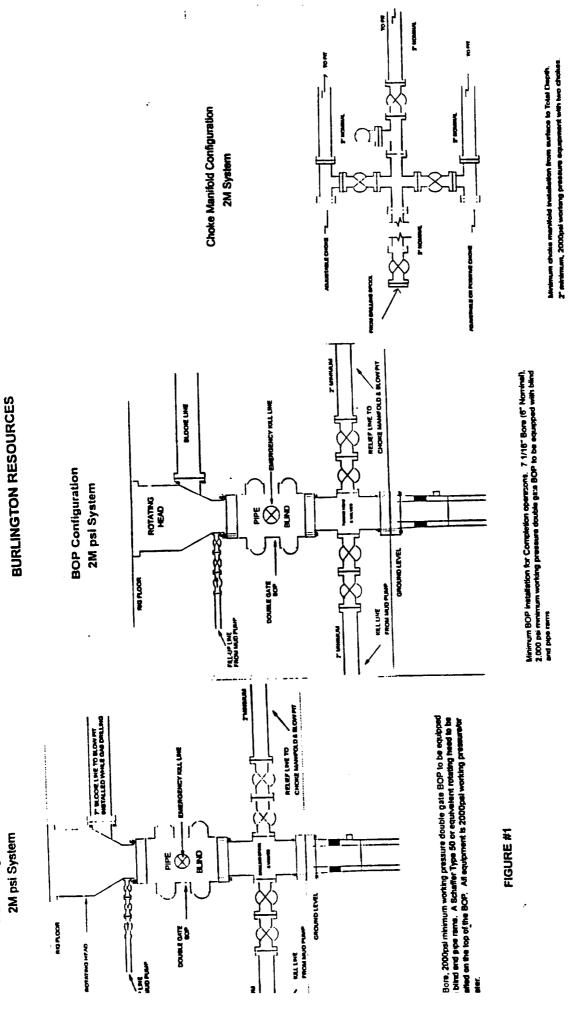
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The west half of Section 33 is dedicated to the Mesa Verde.

This gas is dedicated.

Drilling Engineer

10/24/99 Date

-



BOP Configuration

FIGURE #2

