

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

200 JAN 26 7:43

1a. Type of Work DRILL	5. Lease Number SF-080714A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name San Juan 30-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 30-6 Unit
4. Location of Well 740' FNL, 1605' FWL Latitude 36° 49.1, Longitude 107° 27.2	9. Well Number 133
	10. Field, Pool, Wildcat, or Pictured Cliffs Cobanador Wildcat Pictured Cliffs
	11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 15, T-30-N, R-6-W
	API # 30-039-26332
14. Distance in Miles from Nearest Town 42 miles from Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'	
16. Acres in Lease	17. Acres Assigned to Well 160
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 75'	
19. Proposed Depth 3400'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6164' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u><i>Regan Cole</i></u> Regulatory/Compliance Administrator	<u>1-10-00</u> Date

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY */s/ Charlie Beecham*

TITLE \_\_\_\_\_

DATE MAR 31 2000

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.

*ahse*

NMOCD

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

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26332	*Pool Code	Gobernador WC:T30NR6W156 Pictured Cliffs	*Pool Name
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 133
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6164'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	30-N	6-W		740	NORTH	1605	WEST	RIO ARRIBA

<sup>11</sup> 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
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<sup>12</sup> Dedicated Acres W/320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code 160 acres for density purposes for the PC 320 acres for revenue purposes for the PC	<sup>15</sup> Order No.
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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

16 N 89-59-22 E FD. 1914 BLM BRASS CAP LAT. 36° 49.1' N LONG. 107° 27.2' W 1605' SF-080714-A LOT 2	2635.33' 740' (MEAS.) GOMEZ, FEE TRACT 38 IN W/2	FD. 1914 BLM BRASS CAP TRACT 38
reissued to show correct acreage dedication		
15 SF-080713-B		

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Peggy Cole*  
Signature  
Peggy Cole  
Printed Name  
Regulatory Administrator  
Title  
1-31-00  
Date

18 SURVEYOR CERTIFICATION

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.

11-11-00  
Date of Survey  
A. RUSH  
Signature and Seal of Professional Surveyor  
8894  
REGISTERED PROFESSIONAL LAND SURVEYOR  
8894  
Certificate Number

### OPERATIONS PLAN

**Well Name:** San Juan 30-6 Unit #133  
**Location:** 740' FNL, 1605' FWL, Section 15, T-30-N, R-6-W  
Rio Arriba County, New Mexico  
Latitude 36° 49.1, Longitude 107° 27.2  
**Formation:** Wildcat Pictured Cliffs  
**Elevation:** 6164' GL

<b>Formation:</b>	<b>Top</b>	<b>Bottom</b>	<b>Contents</b>
Surface	San Jose	2107'	
Ojo Alamo	2107'	2302'	aquifer
Kirtland	2302'	2776'	gas
Fruitland	2776'	3090'	gas
Pictured Cliffs	3090'	3330'	gas
Lewis	3330'		gas
Total Depth	3400'		

**Logging Program:** 2400' to TD - GR-SP-IND-CNL-CDL-CAL  
Surface to TD - GR-SP-IND-CAL

**Coring Program:** None

**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3400'	LSND	8.4-9.0	40-60	no control

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0 - 200'	8 5/8"	24.0#	K-55
7 7/8"	0 - 3400'	4 1/2"	10.5#	K-55

**Tubing Program:** 2 3/8" 4.7# J-55 to 3400'

**Float Equipment:** 8 5/8" surface casing - saw tooth guide shoe.  
Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 2302'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2302'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 8 5/8" x 4 1/2" 2000 psi screw on independent wellhead.

**Cementing:**

8 5/8" surface casing - cement with 210 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (248 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - Lead w/495 sx Class "B" w/3% sodium metasilicate, 1/2 pps cellophane and 7 pps gilsonite. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 1/2 pps cellophane, 7 pps gilsonite and 2% calcium chloride (1550 cu.ft. of slurry, 100% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

**San Juan 30-6 Unit #133**

**BOP and tests:**

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2)). Prior to drilling out surface casing, test rams to 600 psi/30 min.

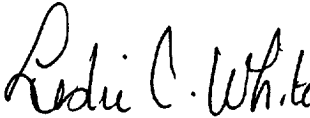
Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2)). Prior to completion operations, test rams and casing to 2000 psi/15 min.

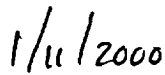
From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

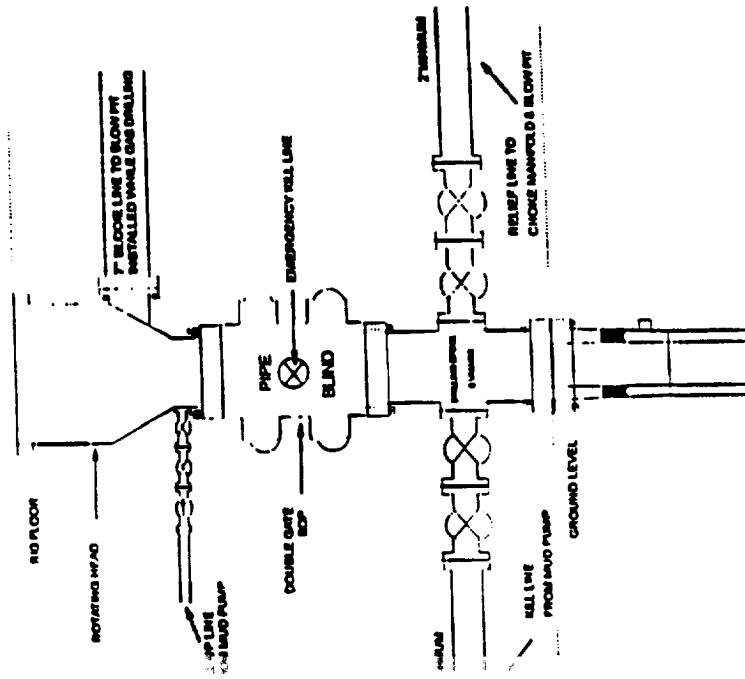
**Additional information:**

- \* The Pictured Cliffs formation will be completed.
- \* Anticipated pore pressure for the Pictured Cliffs is 600 psi.
- \* This gas is dedicated.
- \* The northwest quarter of Section 15 is dedicated to the Pictured Cliffs.

  
\_\_\_\_\_  
Drilling Engineer

  
\_\_\_\_\_  
Date

# BOP Configuration 2M psi System

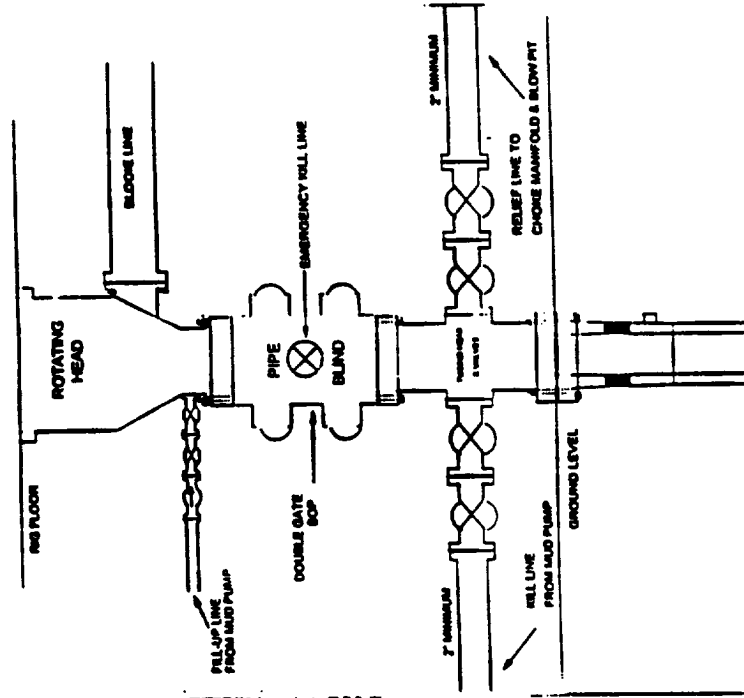


Bore, 2000psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A Schaeffer Type 50 or equivalent rotating head to be installed on the top of the BOP. All equipment is 2000psi working pressure or better.

FIGURE #1

# BURLINGTON RESOURCES

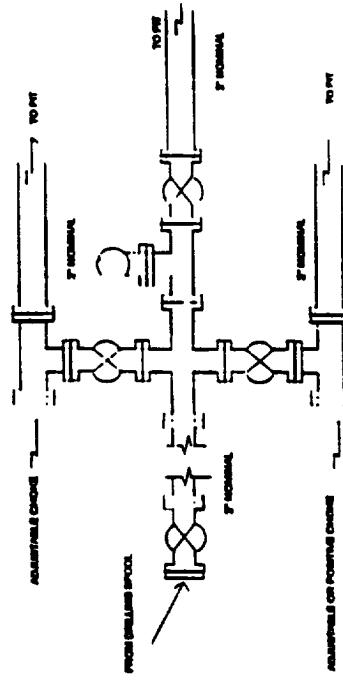
## BOP Configuration 2M psi System



Minimum BOP installation for Completion operations. 7 1/16" Bore (6" Nominal), 2,000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams.

FIGURE #2

## Choke Manifold Configuration 2M System



Minimum choke manifold installation from surface to Total Depth.  
2" minimum, 2000psi working pressure equipment with two chokes.

Figure #3

NE/NW SEC. 15, T-30-N, R-6-W, N.M.P.M.,

