

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                         |                                                                                                                                                  |                                                                     |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1a. Type of Work<br>DRILL                                                                               | <b>RECEIVED</b><br>MAR 11 1998<br><b>OIL CON. DIV.</b><br>DIST. 3                                                                                | 5. Lease Number<br>NM-021518<br>Unit Reporting Number<br>8910005380 |
| 1b. Type of Well<br>GAS                                                                                 |                                                                                                                                                  | 6. If Indian, All. or Tribe                                         |
| 2. Operator<br><b>BURLINGTON RESOURCES</b><br>14538<br>Oil & Gas Company                                | 7. Unit Agreement Name<br>San Juan 30-6 Unit                                                                                                     |                                                                     |
| 3. Address & Phone No. of Operator<br>PO Box 4289, Farmington, NM 87499<br><br>(505) 326-9700           | 8. Farm or Lease Name<br>7469 San Juan 30-6 Unit<br>9. Well Number<br>93A                                                                        |                                                                     |
| 4. Location of Well<br>1655' FNL, 880' FWL<br><br>Latitude 36° 46.3, Longitude 107° 34.9                | 10. Field, Pool, Wildcat<br>72319 Blanco Mesa Verde<br>11. Sec., Twn, Rge, Mer. (NMPM)<br>Sec 33, T-30-N, R-7-W<br>AP# 30-039-25806              |                                                                     |
| 14. Distance in Miles from Nearest Town<br>2 miles to Navajo City                                       | 12. County<br>Rio Arriba                                                                                                                         | 13. State<br>NM                                                     |
| 15. Distance from Proposed Location to Nearest Property or Lease Line<br>880'                           | 17. Acres Assigned to Well<br>320 W/2                                                                                                            |                                                                     |
| 16. Acres in Lease                                                                                      |                                                                                                                                                  |                                                                     |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease<br>1800' | 20. Rotary or Cable Tools<br>Rotary                                                                                                              |                                                                     |
| 19. Proposed Depth<br>5775'                                                                             | 22. Approx. Date Work will Start<br><b>DRILLING OPERATIONS AUTHORIZED ARE<br/>SUBJECT TO COMPLIANCE WITH ATTACHED<br/>"GENERAL REQUIREMENTS"</b> |                                                                     |
| 21. Elevations (DF, FT, GR, Etc.)<br>6282' GR                                                           |                                                                                                                                                  |                                                                     |
| 23. Proposed Casing and Cementing Program<br>See Operations Plan attached                               |                                                                                                                                                  |                                                                     |
| 24. Authorized by: <u><i>Douglas J. Stahl</i></u><br>Regulatory/Compliance Administrator                | Date <u>8-14-97</u>                                                                                                                              |                                                                     |

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

APPROVAL DATE MAR 09 1998

APPROVED BY /S/ Duane W. Spencer

TITLE \_\_\_\_\_

DATE MAR - 9 1998

Archaeological Report submitted by Arboles dated 9-26-94 Technical Report #624  
Threatened and Endangered Species Report submitted by Ecosphere  
NOTE: an APD was submitted for this well in this 1/4 section 1-13-86

NMOCD

District I  
PO Box 1988, Hobbs, NM 88241-1988  
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  
Revised February 21,  
Instructions on  
Submit to Appropriate District O  
State Lease - 4 Co  
Fee Lease - 3 Co

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                                     |                    |                               |
|----------------------------|-------------------------------------|--------------------|-------------------------------|
| API Number<br>30-039-25806 |                                     | Pool Code<br>72319 | Pool Name<br>Blanco Mesaverde |
| Property Code<br>7469      | Property Name<br>San Juan 30-6 Unit |                    | Well Number<br>93 A           |
| GRID No.<br>14538          | Operator Name<br>Meridian Oil Inc.  |                    | Elevation<br>6282'            |

10 Surface Location

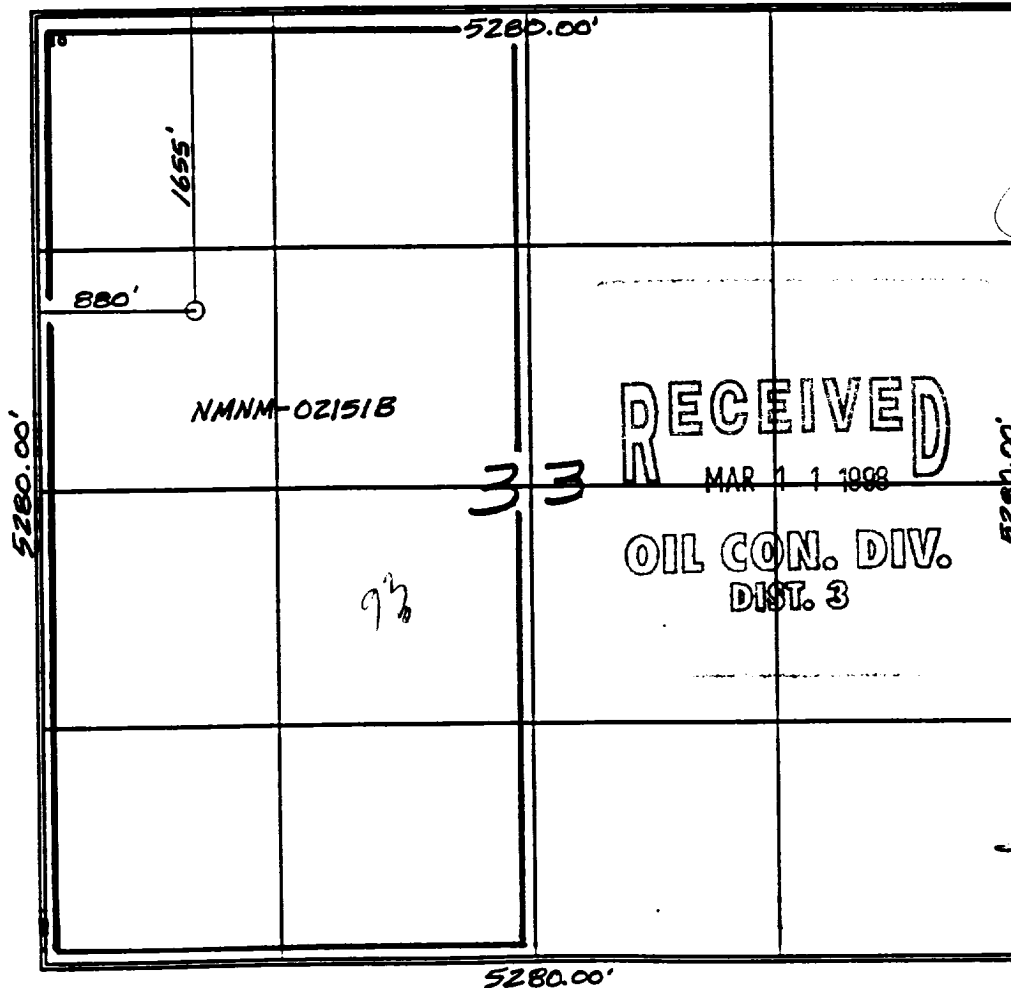
| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E             | 33      | 30 N     | 7 W   |         | 1655          | North            | 880           | West           | R.A.   |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                             |                    |                       |              |
|-----------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>W/320 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|-----------------------------|--------------------|-----------------------|--------------|

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



17 OPERATOR CERTIFICATION

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

*Peggy Bradfield*  
Signature  
Peggy Bradfield  
Printed Name  
Regulatory Administrator  
Title  
8-19-97  
Date

18 SURVEYOR CERTIFICATION

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

Date of Survey  
Signature and Seal of Registered Surveyor

6857  
Certificate Number

## OPERATIONS PLAN

**Well Name:** San Juan 30-6 Unit #93A  
**Location:** 1655' FNL, 880' FWL Section 33, T-30-N, R-7-W  
Rio Arriba County, New Mexico  
Latitude 36° 46.3, Longitude 107° 34.9  
**Formation:** Blanco Mesa Verde  
**Elevation:** 6282' GL

| <u>Formation Tops:</u> | <u>Top</u>   | <u>Bottom</u> | <u>Contents</u> |
|------------------------|--------------|---------------|-----------------|
| Surface                | San Jose     | 2154'         | aquifer         |
| Ojo Alamo              | 2154'        | 2679'         | aquifer         |
| Fruitland              | 2679'        | 3135'         |                 |
| Pictured Cliffs        | 3135'        | 3234'         | gas             |
| Lewis                  | 3234'        | 3864'         | gas             |
| <b>Intermediate TD</b> | <b>3334'</b> |               |                 |
| Mesa Verde             | 3864'        | 4159'         | gas             |
| Chacra                 | 4159'        | 4915'         | gas             |
| Massive Cliff House    | 4915'        | 5004'         | gas             |
| Menefee                | 5004'        | 5375'         | gas             |
| Massive Point Lookout  | 5375'        |               | gas             |
| <b>Total Depth</b>     | <b>5775'</b> |               |                 |

### Logging Program:

Cased hole logging - Gamma Ray Neutron  
Coring/DST - 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        |
| 200-3334'       | LSND        | 8.4-9.0       | 30-60       | no control        |
| 3334-5775'      | Gas/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):

| <u>Hole Size</u> | <u>Depth Interval</u> | <u>Csq. Size</u> | <u>Wt.</u> | <u>Grade</u> |
|------------------|-----------------------|------------------|------------|--------------|
| 12 1/4"          | 0' - 200'             | 9 5/8"           | 32.3#      | H-40         |
| 8 3/4"           | 0' - 3334'            | 7"               | 20.0#      | J-55         |
| 6 1/4"           | 3234' - 5775'         | 4 1/2"           | 10.5#      | J-55         |

### Tubing Program:

0' - 5775'      2 3/8"      4.7#      J-55

### BOP Specifications, Wellhead and Tests:

#### **Surface to Intermediate TD -**

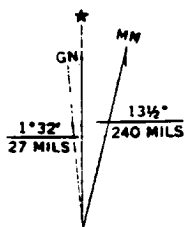
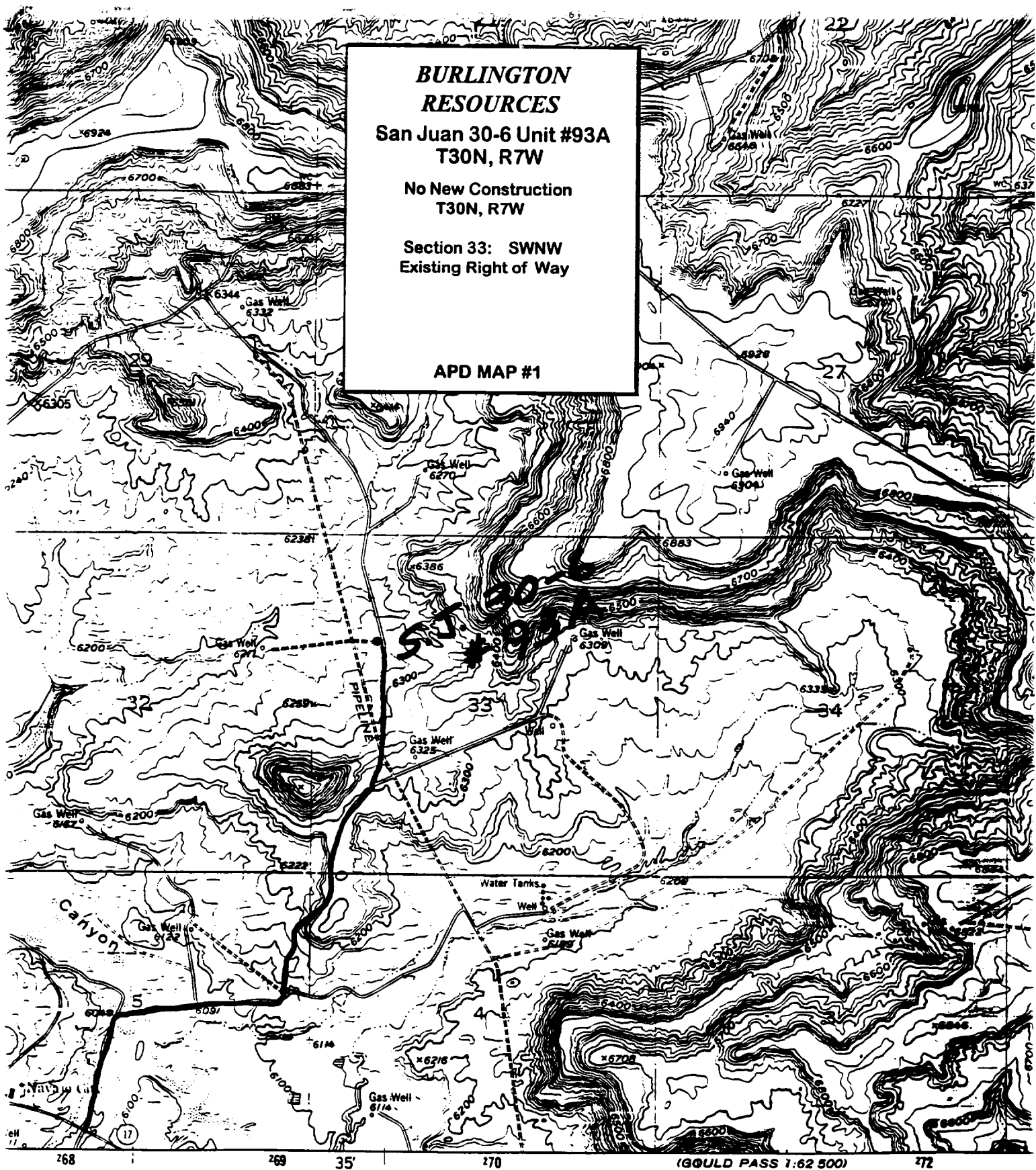
11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

**BURLINGTON  
RESOURCES**  
**San Juan 30-6 Unit #93A  
T30N, R7W**

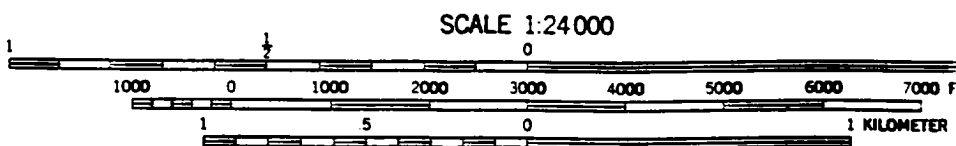
**No New Construction  
T30N, R7W**

**Section 33: SWNW  
Existing Right of Way**

**APD MAP #1**



UTM GRID AND 1971 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS