

30-045-28100

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1a. TYPE OF WORK<br/>DRILL</p> <p>1b. TYPE OF WELL<br/>GAS</p> <hr/> <p>2. OPERATOR<br/>MERIDIAN OIL INC.</p> <hr/> <p>3. ADDRESS &amp; PHONE NO. OF OPERATOR<br/>P O BOX 4289<br/>FARMINGTON, NM 87499</p> <hr/> <p>4. LOCATION OF WELL<br/>1135'FNL 1225'FEL</p> <hr/> | <p>5. LEASE NUMBER<br/>SF-078438</p> <p>6. IF INDIAN, ALL. OR TRIBE NAME</p> <hr/> <p>7. UNIT AGREEMENT NAME<br/>SAN JUAN 32-9 UNIT</p> <hr/> <p>8. FARM OR LEASE NAME<br/>SAN JUAN 32-9 UNIT</p> <p>9. WELL NO.<br/>266</p> <hr/> <p>10. FIELD, POOL, OR WILDCAT<br/>BASIN FRUITLAND COAL</p> <p>11. SEC. T. R. M OR BLK.<br/>SEC. 18 T31N R09W NMPM</p> <hr/> |
| <p>14. DISTANCE IN MILES FROM NEAREST TOWN<br/>4 MILES FROM CEDAR HILL</p> <hr/> <p>15. DISTANCE FROM<br/>PROPOSED LOCATION 1135'<br/>TO NEAREST PROPERTY<br/>OR LEASE LINE.</p> <hr/>                                                                                      | <p>12. COUNTY<br/>SAN JUAN</p> <p>13. STATE<br/>NM</p> <hr/> <p>16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL<br/>1135' 314.75</p> <hr/>                                                                                                                                                                                                                        |
| <p>18. DISTANCE FROM<br/>PROPOSED LOCATION<br/>TO NEAREST WELL DR. 300'<br/>COMPL., OR APPLIED<br/>FOR ON THIS LEASE.</p> <hr/>                                                                                                                                             | <p>19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS<br/>3427' ROTARY</p> <hr/>                                                                                                                                                                                                                                                                                      |
| <p>21. ELEVATIONS (DF, FT, GR, ETC.)<br/>6612'GL</p> <hr/>                                                                                                                                                                                                                  | <p>22. APPROX. DATE WORK WILL START</p> <hr/>                                                                                                                                                                                                                                                                                                                   |

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: 

REG. DRILLING ENGR.

**RECEIVED**

AUG 13 1990

OIL CON. DIV

DIST 3

1/19/90

DATE

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

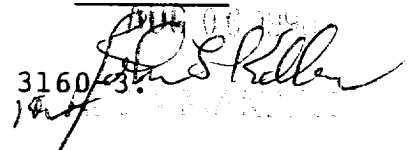
APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.



Submit to Asst. Dir.  
District Office  
State Lease - 4 copies  
For Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                    |               |                                       |                                            |                    |                                    |
|----------------------------------------------------------------------------------------------------|---------------|---------------------------------------|--------------------------------------------|--------------------|------------------------------------|
| Operator<br>Meridian Oil Inc.                                                                      |               |                                       | Lease<br>San Juan 32-9 Unit<br>(SF-078438) |                    | Well No. 266                       |
| Unit Letter<br>A                                                                                   | Section<br>18 | Township<br>31 North                  | Range<br>9 West                            | County<br>San Juan |                                    |
| Actual Footage Location of Well:<br>1135 feet from the North line and 1225 feet from the East line |               |                                       |                                            |                    |                                    |
| Ground level Elev.<br>6612'                                                                        |               | Producing Formation<br>Fruitland Coal |                                            | Pool<br>Basin      |                                    |
|                                                                                                    |               |                                       |                                            |                    | Dedicated Acreage:<br>314.75 Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☒ Yes ☐ No If answer is "yes" type of consolidation unitization  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature Peggy Bradfield

Printed Name  
Regulatory Affairs

Position  
Meridian Oil Inc.

Company  
7-18-90

Date

SURVEYOR CERTIFICATION

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

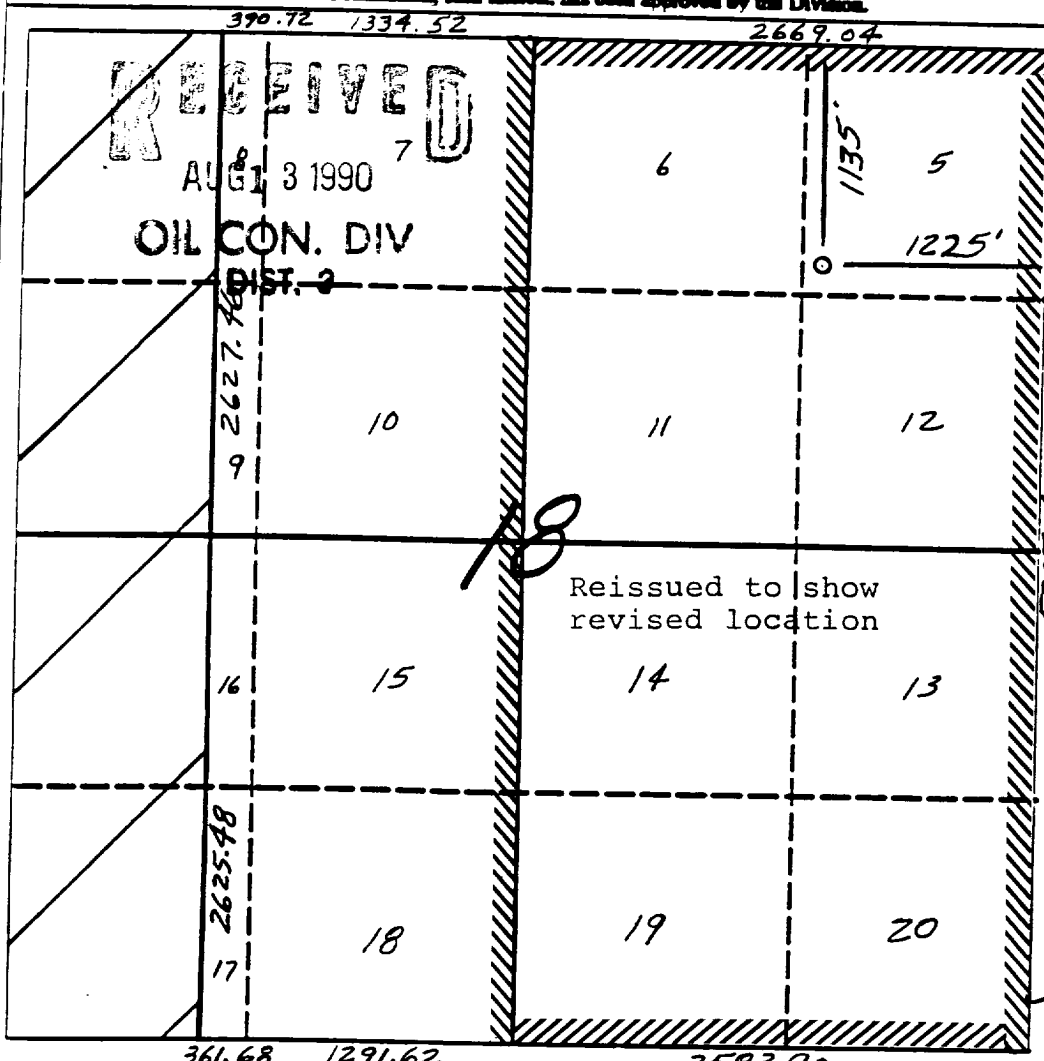
Date Surveyed 3-21-90

Signature of Surveyor NEALE O. EDWARDS

Professional Surveyor

REGISTERED LAND SURVEYOR

Certificate No. 6857



Well Name: 266 SAN JUAN 32-9 UNIT  
 Sec. 18 T31N R09W  
 BASIN FRUITLAND COAL

1135'FNL 1225'FEL  
 SAN JUAN NEW MEXICO  
 Elevation 6612'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1977

Kirtland- 2126

Fruitland- 3065

Fruitland Coal Top- 3248

Fruitland Coal Base- 3426

Pictured Cliffs- 3428

Intermediate TD- 3238

Total Depth- 3427

Logging Program: Mud logs from intermediate to total depth.

| Mud Program: | Interval    | Type            | Weight    | Visc. | Fl. Loss   |
|--------------|-------------|-----------------|-----------|-------|------------|
|              | 0 - 200     | Spud            | 8.4 - 8.9 | 40-50 | no control |
|              | 200 - 3238  | Non-dispersed   | 8.4 - 9.1 | 30-60 | no control |
|              | 3238 - 3427 | Formation Water | 8.4       |       | no control |

| Casing Program: | Hole Size | Depth Interval | Csg. Size | Weight | Grade |
|-----------------|-----------|----------------|-----------|--------|-------|
|                 | 12 1/4"   | 0 - 200        | 9 5/8"    | 32.3#  | H-40  |
|                 | 8 3/4"    | 0 - 3238       | 7"        | 20.0#  | K-55  |
|                 | 6 1/4"    | 3188 - 3427    | 5 1/2"    | 15.5#  | K-55  |
| Tubing Program: |           | 0 - 3427       | 2 7/8"    | 6.5#   | J-55  |

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2126'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

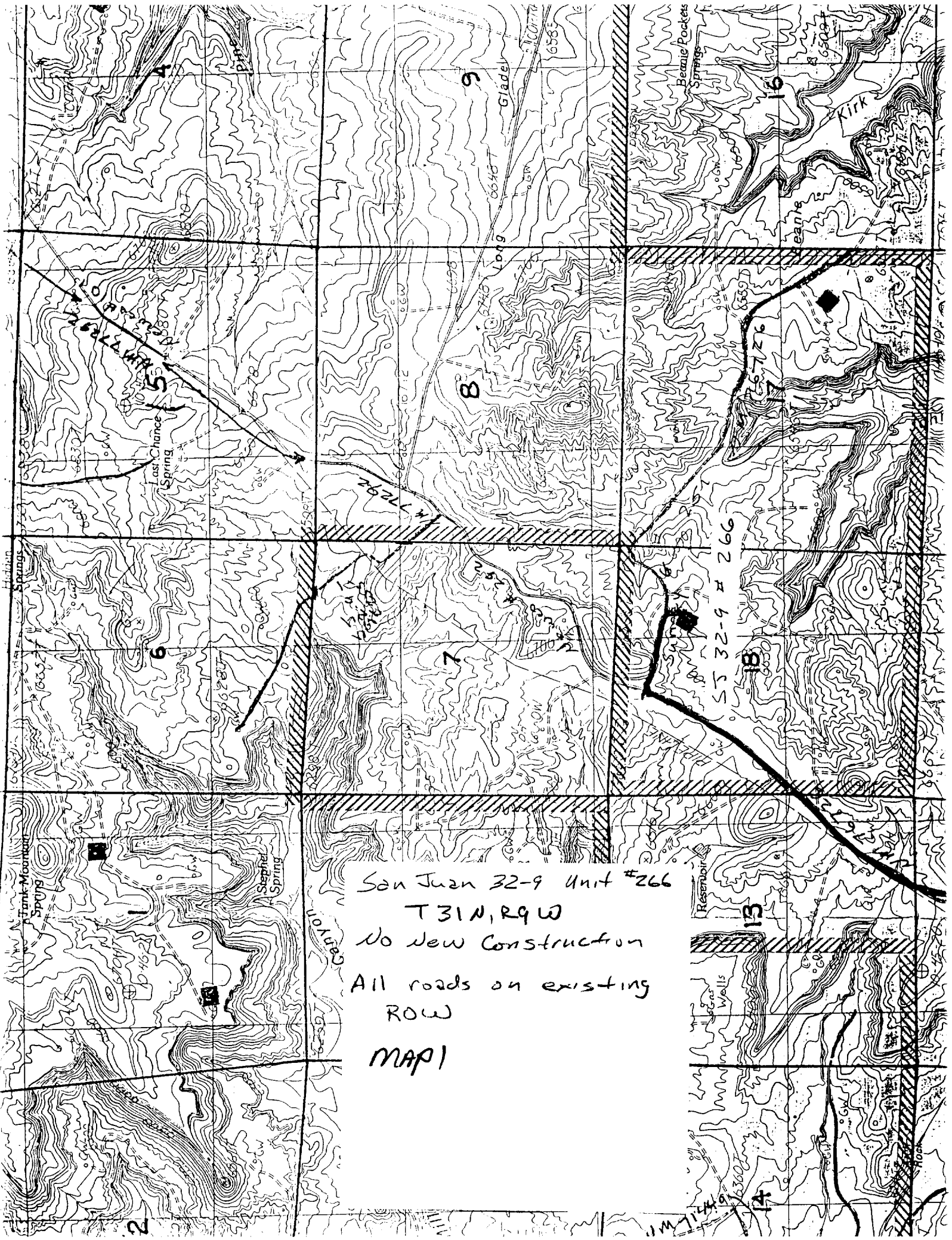
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

#### Cementing:

9 5/8" surface casing - cement with 160 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 473 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 1032 cu ft. of slurry, 110% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

5 1/2" liner - do not cement.



San Juan 32-9 Unit #266  
T31N, R9W  
No New Construction  
All roads on existing  
ROW  
MAP 1