

30-045-28095

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\*SEE OPERATIONS PL

RECEIVED

24. AUTHORIZED BY:  REG. DRILLING ENGR. AUG 13 1990 OIL CON. DIV. 7/20/90 DATE

DIST 2

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

AUG 13 1990

OIL CON. DIV.

~~DIST 2~~

7/20/90  
DATE

Submit to Appropriate  
District Office  
State Leases - 4 copies  
Fee Leases - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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 (SF-078386) |                                            | Well No.<br>106 |
| Unit Letter<br>I                                                                                  | Section<br>17 | Township<br>31 North                   | Range<br>9 West                         | County<br>San Juan                         |                 |
| Actual Footage Location of Well:<br>1765 feet from the South line and 935 feet from the East line |               |                                        |                                         |                                            |                 |
| Ground level Elev.<br>6557'                                                                       |               | Producing Formation<br>Pictured Cliffs |                                         | Pool<br>Dedicated Acreage:<br>159.13 Acres |                 |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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

Date

1-20-90

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 knowledge and belief.

Date Surveyed

4-30-90

Signature Neale C. Edwards

Professional Seal

NEW MEXICO

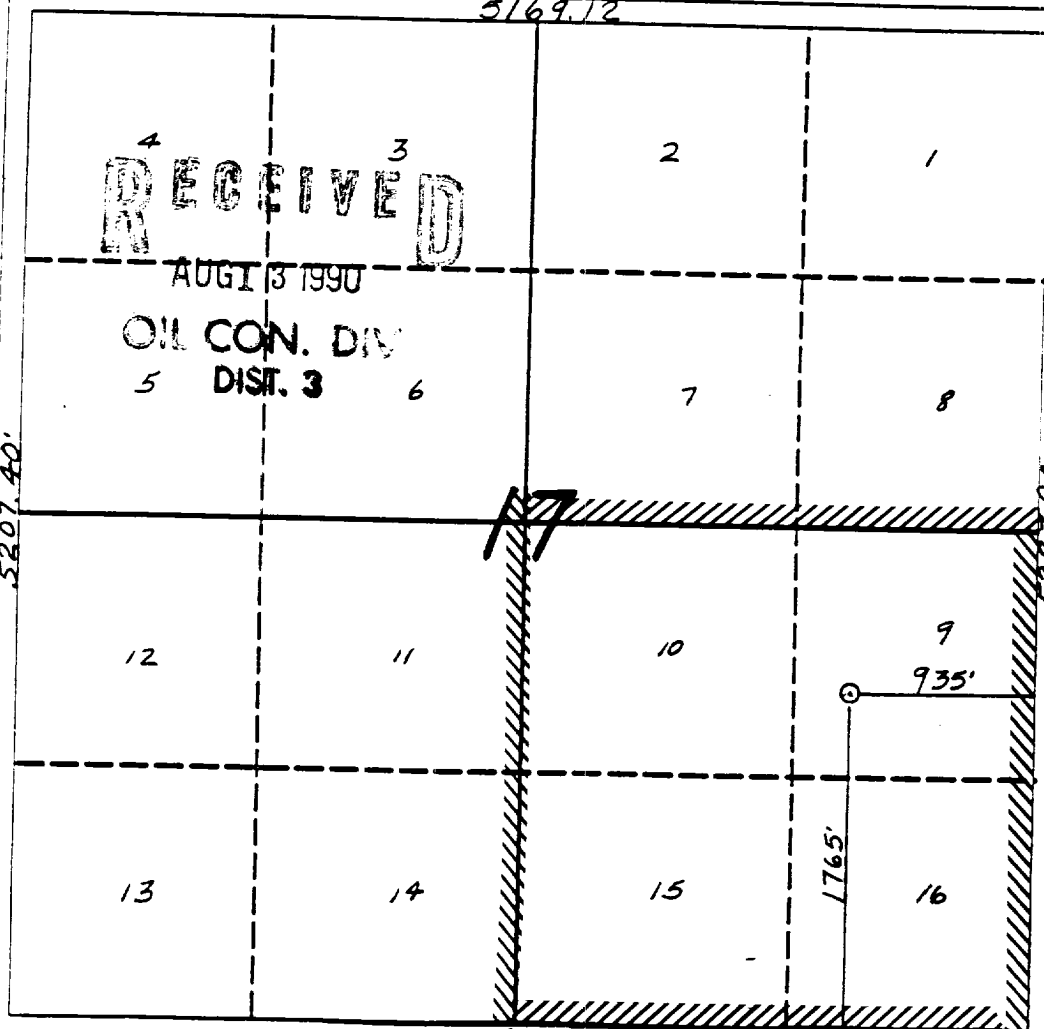
REGISTERED LAND SURVEYOR

6857

6857

Certificate No.

Neale C. Edwards



Well Name: 106 SAN JUAN 32-9 UNIT  
 Sec. 17 T31N R09W  
 UNDESIGNATED PICTURED CLIFFS

1765' FSL 935' FEL  
 SAN JUAN NEW MEXICO  
 Elevation 6557' GL

Formation tops: Surface- San José  
 Ojo Alamo- 1685  
 Kirtland- 1814  
 Fruitland- 3033  
 Fruitland Coal Base- 3446  
 Pictured Cliffs- 3457

Total Depth- 3449

Logging Program: Mud logs from 3033 to total depth.

| Mud Program: | Interval   | Type          | Weight    | Visc. | Fl. Loss   |
|--------------|------------|---------------|-----------|-------|------------|
|              | 0 - 200    | Spud          | 8.4 - 8.9 | 40-50 | no control |
|              | 200 - 3449 | Non-dispersed | 8.4 - 9.5 | 30-60 | no control |

| Casing Program: | Hole Size | Depth Interval | Csg. Size | Weight | Grade |
|-----------------|-----------|----------------|-----------|--------|-------|
|                 | 12 1/4"   | 0 - 200        | 8 5/8"    | 24.0#  | K-40  |
|                 | 7 7/8"    | 0 - 3449       | 4 1/2"    | 10.0#  | K-55  |
| Tubing Program: |           | 0 - 3449       | 2 3/8"    | 4.7#   | J-55  |

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. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1814'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly

#### Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - lead with 757 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. 1579 cu ft. of slurry, 100% 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.

Springs

San Juan 32-9 Unit #106  
T31N, R9W

100' New Construction  
500' existing BLM roads  
located within  
Unit boundaries

MAP 1

