

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAIL ROOM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

20 APR 20 AMIC: 50

| | |
|--|---|
| 1a. TYPE OF WORK DRILL | 5. LEASE NUMBER SF-078951 |
| 1b. TYPE OF WELL GAS SINGLE ZONE | 6. IF INDIAN, ALL. OR TRIBE NAME |
| 2. OPERATOR EL PASO NATURAL GAS CO. <u>MERIDIAN OIL, INC.</u> | 7. UNIT AGREEMENT NAME SAN JUAN 29-7 UNIT |
| 3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4990 FARMINGTON, NM 87499 | 8. FARM OR LEASE NAME <u>SAN JUAN 29-7 UNIT</u> |
| 4. LOCATION OF WELL <u>1690'S 1190'W</u> | 9. WELL NO. <u>506</u> |
| 14. DISTANCE IN MILES FROM NEAREST TOWN .5 MILES FROM NAVAJO CITY | 10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL |
| 15. DISTANCE FROM PROPOSED LOCATION 1190' TO NEAREST PROPERTY OR LEASE LINE. | 11. SEC. T. R. M OR BLK. <u>L</u> SEC. <u>5</u> T29N R07W NMPM |
| 16. ACRES IN LEASE <u>671.04</u> | 12. COUNTY <u>RIO ARriba</u> |
| 17. ACRES ASSIGNED TO WELL <u>160.00</u> <u>117 380 315.10</u> | 13. STATE NM |
| 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 200' COMPL., OR APPLIED FOR ON THIS LEASE. | 19. PROPOSED DEPTH 2912' |
| 20. ROTARY OR CABLE TOOLS ROTARY | 21. ELEVATIONS (DF, FT, GR, ETC.) <u>3121' GL</u> <u>6121</u> |
| 22. APPROX. DATE WORK WILL START | 23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN |
| 24. AUTHORIZED BY: <u>Reggie Bradford</u> REGULATORY AFFAIRS | 25. DATE <u>3-17-89</u> |

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

This section is subject to technical and
procedural review pursuant to 43 CFR 3160.4
and appeal pursuant to 43 CFR 3166.4.

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

APPROVED
AS AMENDED
MAR 21 1989
AREA MANAGER

NMCCG

All distances must be from the outer boundaries of the Section.

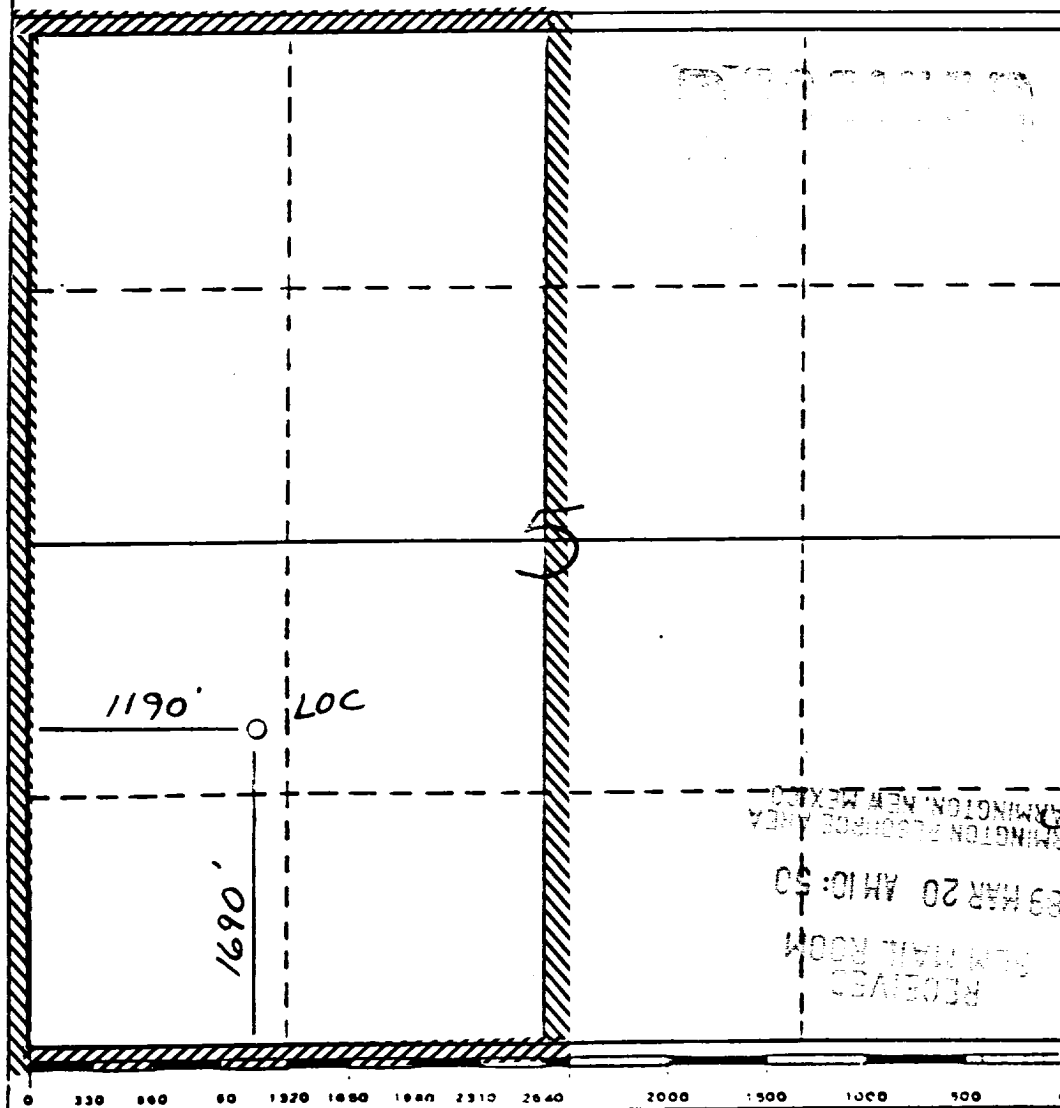
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|--|--|--|--|-----------------------------|
| Operator <u>NEERIDIAN OIL, INC.</u> | | Lease <u>San Juan 29-7 Unit (SF-078951)</u> | | Well No. <u>506</u> |
| Unit Letter <u>L</u> | Section <u>5</u> | Township <u>29 North</u> | Range <u>7 West</u> | County <u>Rio Arriba</u> |
| Actual Footage Location of Well: <u>1690</u> feet from the <u>South</u> line and <u>1190</u> feet from the <u>West</u> line | | | | |
| Ground Level Elev. <u>3121' 6/21</u> | Producing Formation <u>Fruitland Coal</u> | Pool <u>Basin</u> | Dedicated Acreage: <u>320 3/5, 10</u> | |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests 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 this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Divis



CERTIFICATION

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

Name
Regulatory Affairs
Position
El Paso Natural Gas
Company
El Paso Natural Gas
Date

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

Date Surveyed
8-16-88

Registered Professional Engineer and/or Land Surveyor

Neale C. Edwards

Certificate No.
6857

OPERATIONS PLAN

DATE: MAR 15, 1989

Well Name: 506 SAN JUAN 29-7 UNIT 1690'S 1190'W
 Sec. 5 T29N R07W RIO ARRIBA NEW MEXICO
 BASIN FRUITLAND COAL Elevation 3121'GL
 6121

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 1900
 Kirtland- 2080
 Fruitland- 2650
 Fruitland Coal Top- 2790
 Fruitland Coal Base- 2911
 Intermediate TD- 2770
 Total Depth- 2912
 Pictured Cliffs- 2920

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

| 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 - 2770 | 7" | 20.0# | K-55 |
| | 6 1/4" | 2720 - 2912 | 5 1/2" | 15.5# | K-55 |
| Tubing Program: | | 0 - 2912 | 2 7/8" | 6.5# | J-55 |

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

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.

5 1/2" production liner - 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 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 74 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. 262 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The W/2 of Section 5 is dedicated to this well.

SAN JUAN 29-7 #506

