

30-039-24396

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APR 16 PM 1:25

- 1a. TYPE OF WORK
DRILL
- 1b. TYPE OF WELL
SINGLE ZONE
2. OPERATOR *Mesa Oil Inc.*
~~EL PASO NATURAL GAS CO.~~
3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4990
FARMINGTON, NM 87499
4. LOCATION OF WELL
1370'S 1330'W
5. LEASE NUMBER *FARMINGTON RESOURCE AREA*
SF-079382 *FARMINGTON, NEW MEXICO*
6. IF INDIAN, ALL. OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
SAN JUAN 30-6 UNIT
9. WELL NO.
413R
10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
K SEC. 23 T30N R07W NMPM
12. COUNTY
RIO ARRIBA
13. STATE
NM
14. DISTANCE IN MILES FROM NEAREST TOWN
6 MILES TO NAVAJO DAM
15. DISTANCE FROM
PROPOSED LOCATION 1330'
TO NEAREST PROPERTY
OR LEASE LINE.
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
2080 0.00
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 500'
COMPL., OR APPLIED
FOR ON THIS LEASE.
19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
3145' ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.)
6260' GL
22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

APR 19 1989

OIL CON. DIV.

24. AUTHORIZED BY: *[Signature]*
REGULATORY AFFAIRS

DIST. 3

3-16-89
DATE

APPROVED
AS AMENDED

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

APR 17 1989

[Signature]
AREA MANAGER

Cancellation
Held C-104 FOR PPA of 413 C-1040M
4/13

(E)

OPERATIONS PLAN

DATE: MAR 16, 1985

Well Name: 413R SAN JUAN 30-6 UNIT
 Sec. 23 T30N R07W
 BASIN FRUITLAND COAL

1370'S 1330'W
 RIO ARRIBA NEW MEXICO
 Elevation 6260'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2030
 Kirtland- 2205
 Fruitland- 2885
 Fruitland Coal Top- 2965
 Fruitland Coal Base- 3140
 Intermediate TD- 2945
 Total Depth- 3145
 Pictured Cliffs- 3205

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 - 2945 | 7" | 20.0# | K-55 |
| | 6 1/4" | 2895 - 3145 | 5 1/2" | 15.5# | K-55 |
| Tubing Program: | | 0 - 3145 | 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 81 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. 275 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 23 is dedicated to this well.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 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

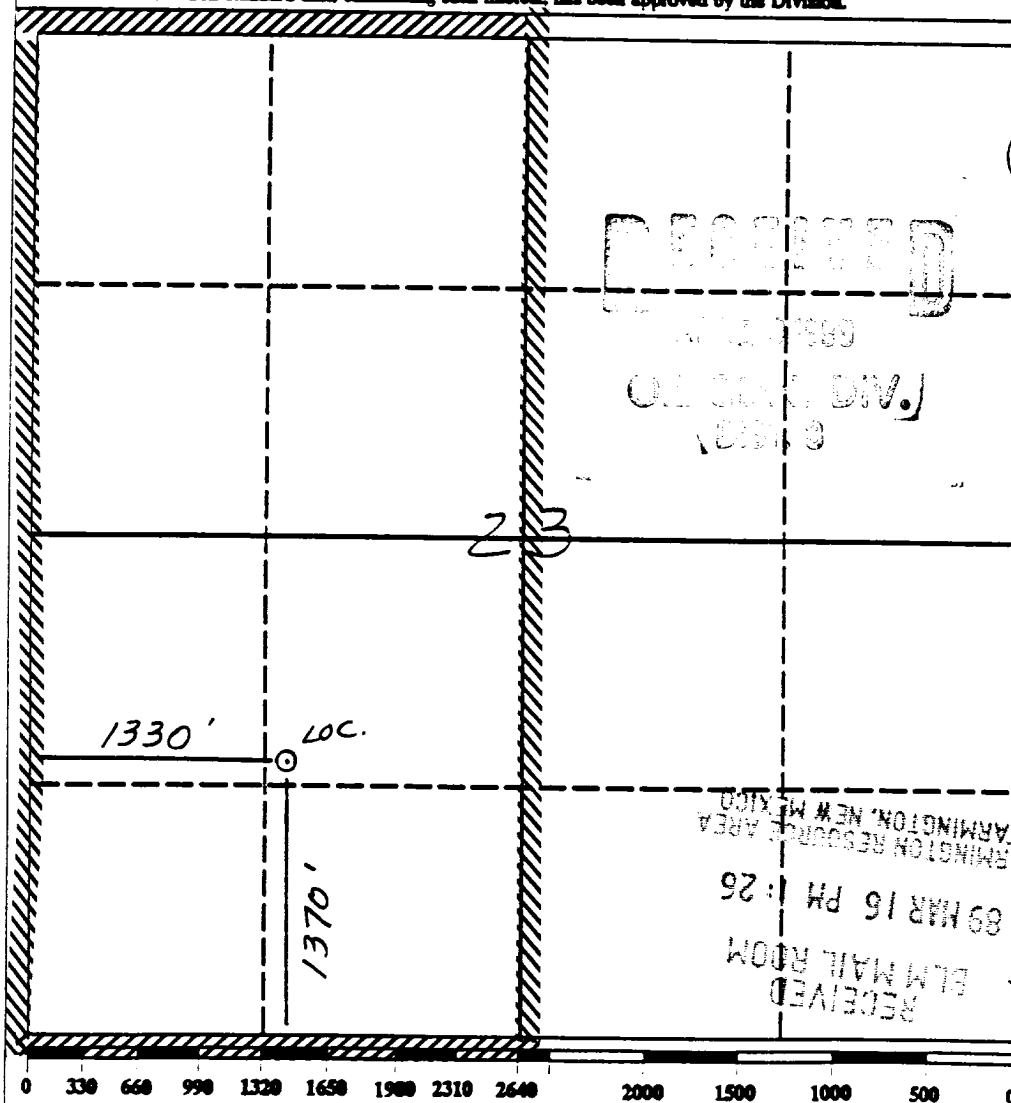
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| | | | | |
|--|--|--|------------------------|--|
| Operator <u>El Paso Natural Gas</u> | | Lease <u>San Juan 30-6 Unit(SF-079382)413 R</u> | | Well No. <u>2413 R</u> |
| Unit Letter <u>K</u> | Section <u>23</u> | Township <u>30 North</u> | Range <u>7 West</u> | County <u>Rio Arriba</u> |
| Actual Footage Location of Well: <u>1370</u> feet from the <u>South</u> line and <u>1330</u> feet from the <u>West</u> line | | | | |
| Ground level Elev. <u>6260'</u> | Producing Formation <u>Fruitland Coal</u> | | Pool <u>Basin</u> | Dedicated Acreage: <u>320</u> Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, forced-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.

Peggy Bradfield
Signature

El Paso Natural Gas
Printed Name

Regulatory Affairs
Position

3-16-89
Company

3-16-89
Date

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.

3-16-89
Date Surveyed

Neale C. Edwards
Signature

Professional Surveyor
Signature & Seal of Professional Surveyor

6857
Certificate No.

SAN JUAN
30-10-1132

Gas Well
6261

