

30-039-25025

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
NOV 27 1990

OIL CON. DIV.
DIST. 3

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079192
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Application Review</i>	7. UNIT AGREEMENT NAME SAN JUAN 28-6 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 28-6 UNIT
4. LOCATION OF WELL 1410' FSL 1785' FWL	9. WELL NO. 438
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES S/W OF GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1410' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. <i>K</i> SEC. 15 T28N R06W NMPM
16. ACRES IN LEASE 1920	12. COUNTY RIO ARRIBA
17. ACRES ASSIGNED TO WELL w/ 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3451'
20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 6593' GL	
22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>McCalder</i> REG. DRILLING ENGR.	9-17-90 DATE

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

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

all
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for the
AS

Submit to Aspropense
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-182
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

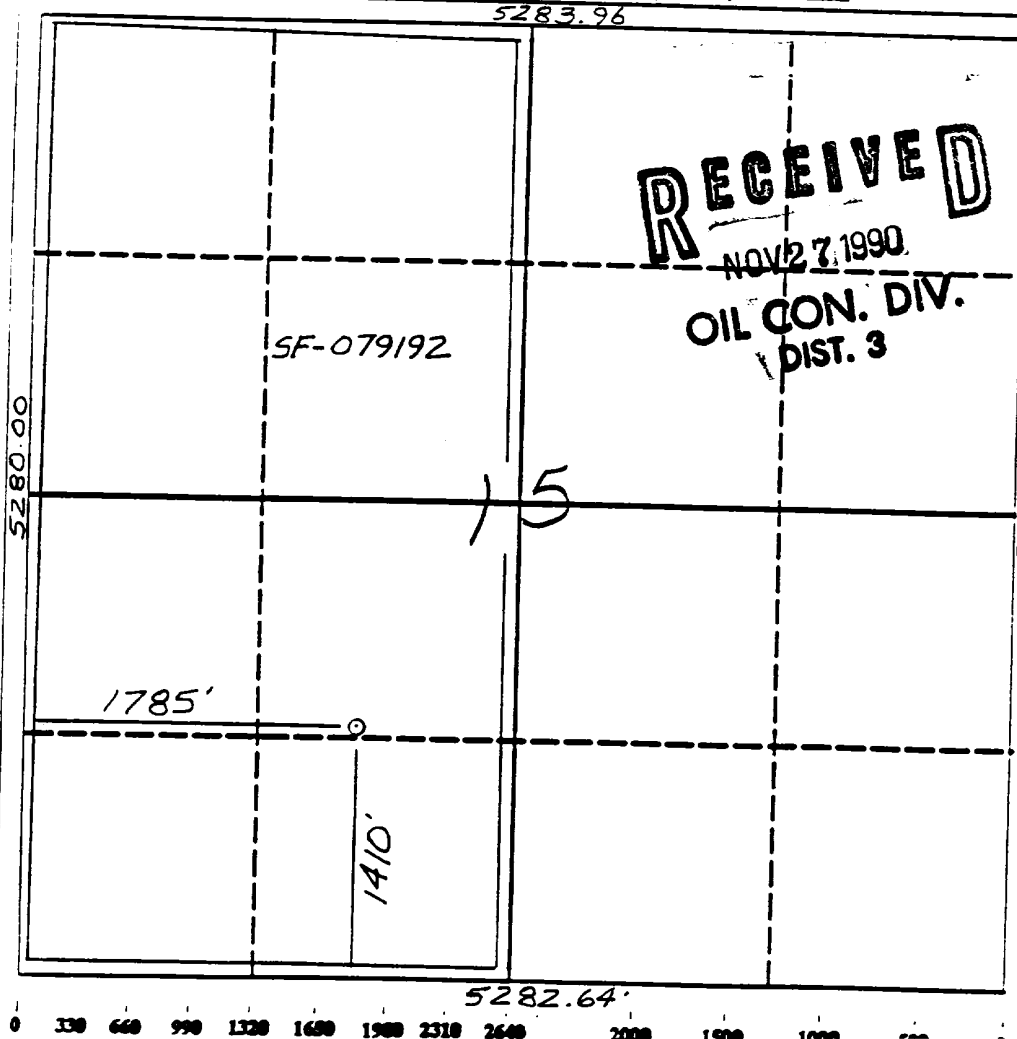
All Distances must be from the outer boundaries of the section

Operator <u>El Paso Natural Gas</u>		Lease <u>San Juan 28-6 Unit</u> (SF-079192)		Well No. <u>438</u>
Unit Letter <u>K</u>	Section <u>15</u>	Township <u>28 North</u>	Range <u>6 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Well: <u>1410</u>		feet from the <u>South</u> line and <u>1785</u> feet from the <u>West</u> line		
Ground level Elev. <u>6593'</u>	Producing Formation <u>Fruitland Coal</u>		Pool <u>Basin</u>	Undisturbed Acreage: <u>320</u> Acres

- Outline the acreage dedicated to the subject well by colored pencil or lacquer 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 El Paso Natural Gas

Company

Date 9-17-90

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 supervision, and that the same is true and correct to the best of my knowledge and belief. 8-21-90

Date Surveyed

Signature Neale C. Edwards

Professional Seal: NEW MEXICO, 6857, REGISTERED LAND SURVEYOR

Neale C. Edwards

Well Name: 438 SAN JUAN 28-6 UNIT
 Sec. 15 T28N R06W
 BASIN FRUITLAND COAL

1410'FSL 1785'FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6593'GL

Formation tops: Surface- San Jose
 Ojo Alamo- 2604
 Kirtland- 2793
 Fruitland- 3114
 Fruitland Coal Top- 3235
 Fruitland Coal Base- 3448
 Pictured Cliffs- 3448

Total Depth- 3451

Logging Program: Mud logs from 3114 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no contro
	200 - 3451	Non-dispersed	8.4 - 9.5	30-60	no contro

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 - 3451	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3451	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.

5 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 @ 2793'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 5 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.

5 1/2" production casing - lead with 562 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. 1203 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.

