

30-039-24589

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER 405 NM-03389
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Mesa Verde Oil Inc.</i>	7. UNIT AGREEMENT NAME SAN JUAN 30-6 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 30-6 UNIT
4. LOCATION OF WELL 790'S 845'W	9. WELL NO. 405
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. SEC. 9 T30N R06W NMPM
12. COUNTY RIO ARRIBA	13. STATE NM
14. DISTANCE IN MILES FROM NEAREST TOWN 5 MILES FROM GOBERNADOR	15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 790'
16. ACRES IN LEASE 400	17. ACRES ASSIGNED TO WELL 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1500' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3103'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6275'GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

RECEIVED
DEC 04 1989
OIL COAL DIV
DIST. 3

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

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

NOV 30 1989
for [Signature]
AREA MANAGER

Submit to Asessor
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

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

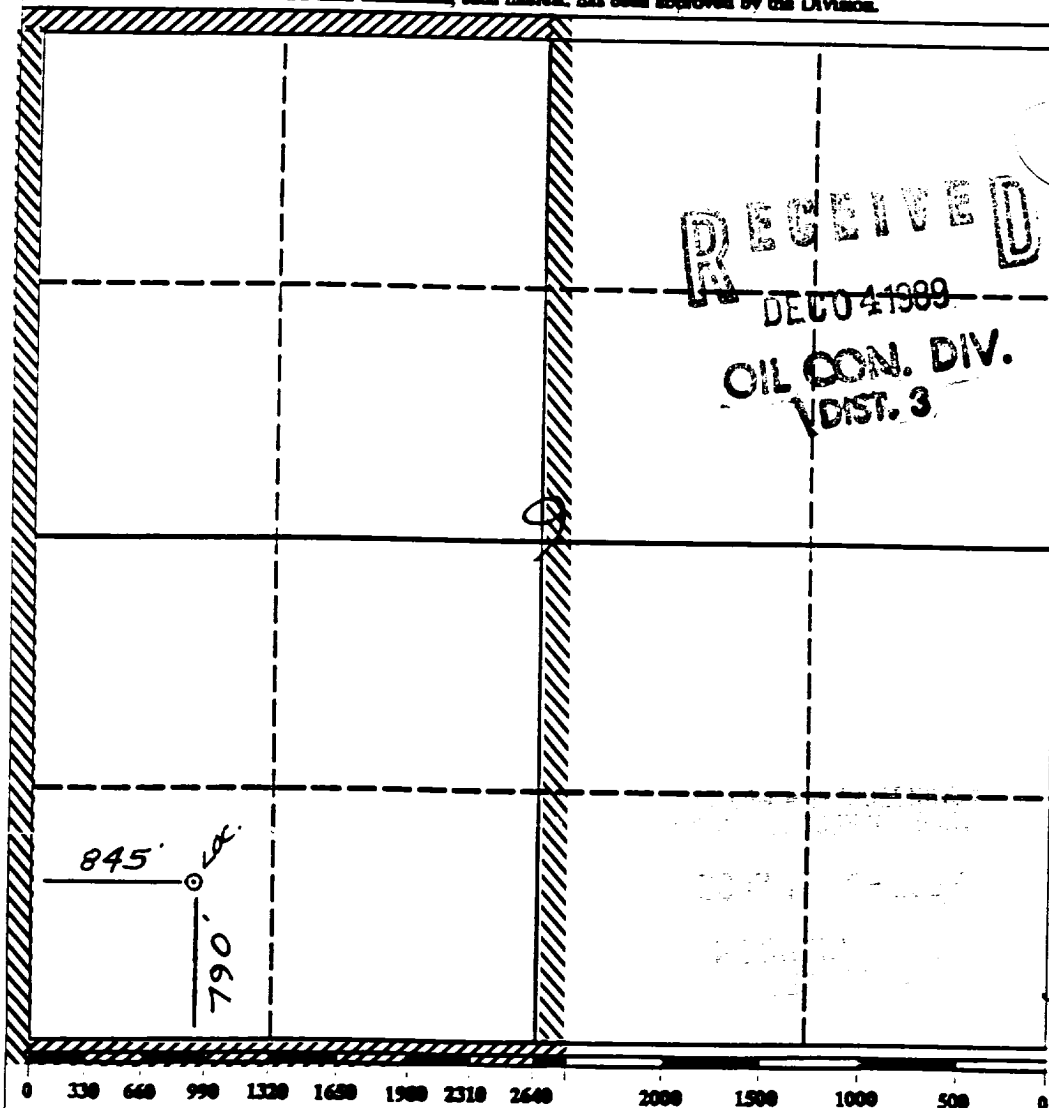
1000 Rio Brazos Rd., Aztec, NM 87410

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 30-6 Unit</u> (NM-03384)		Well No. <u>405</u>
Unit Letter <u>M</u>	Section <u>9</u>	Township <u>30 North</u>	Range <u>6 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Well: <u>790</u> feet from the <u>South</u> line and <u>845</u> feet from the <u>West</u> line				
Ground level Elev. <u>6275'</u>	Producing Formation <u>Fruitland Coal</u>		Pool <u>Basin</u>	Dedicated Acreage: <u>320</u>

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, 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

Peggy Bradfield
Printed Name

Regulatory Affairs
Position

El Paso Natural Gas
Company

10-3-89
Date

10-3-89
Date

SURVEYOR CERTIFICATION

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

NEALE O. EDWARDS
Date Surveyed

NEALE O. EDWARDS
Signature of Sealer

857
Professional Surveyor

857
Certificate No.

857
Certificate No.

857
Certificate No.

857
Certificate No.

857
Certificate No.

857
Certificate No.

Well Name: 405 SAN JUAN 30-6 UNIT
 Sec. 9 T30N R06W
 FRUITLAND COAL

790'S 845'W
 RIO ARRIBA NEW MEXICO
 Elevation 6275'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2192
 Kirtland- 2408
 Fruitland- 2773
 Fruitland Coal Top- 2976
 Fruitland Coal Base- 3102
 Intermediate TD- 2956
 Total Depth- 3103
 Pictured Cliffs- 3105

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 - 2956	Non-dispersed	8.4 - 9.1	30-60	no control
	2956 - 3103	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 - 2956	7"	20.0#	K-55
	6 1/4"	2906 - 3103	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3103	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 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 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 58 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. 230 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.

