

30-039-25008

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

0:52
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER NM-03600
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. 14838 <i>Mountain Oil Inc.</i>	7. UNIT AGREEMENT NAME SAN JUAN 29-7 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 29-7 UNIT 7465
4. LOCATION OF WELL 955' FNL 1020' FEL	9. WELL NO. 540
14. DISTANCE IN MILES FROM NEAREST TOWN 3 MI. WEST OF NAVAJO CITY	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 71629
15. DISTANCE FROM PROPOSED LOCATION 955' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. A SEC. 10 T29N R07W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 160 E/320.00	12. COUNTY 13. STATE RIO ARRIBA NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 800' COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6524' GL	22. APPROX. DATE WORK WILL START

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

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]*
REG. DRILLING ENGR.

RECEIVED
NOV 1 1990

OIL CON.

9/20/90
DATE

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

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

NOV 07 1990
[Signature]
AREA MANAGER

ok 9
NMOCD

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 <i>Offshore Drilling Inc.</i>		Lease San Juan 29-7 Unit (NM-03600)		Well No. 540
Unit Letter A	Section 10	Township 29 North	Range 7 West	County Rio Arriba
Actual Footage Location of Well: 955 feet from the North line and 1020 feet from the East line				
Ground level Elev. 6524'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or highlighter 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
El Paso Natural Gas

Company

9-20-90

Date _____

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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.

8-28-90

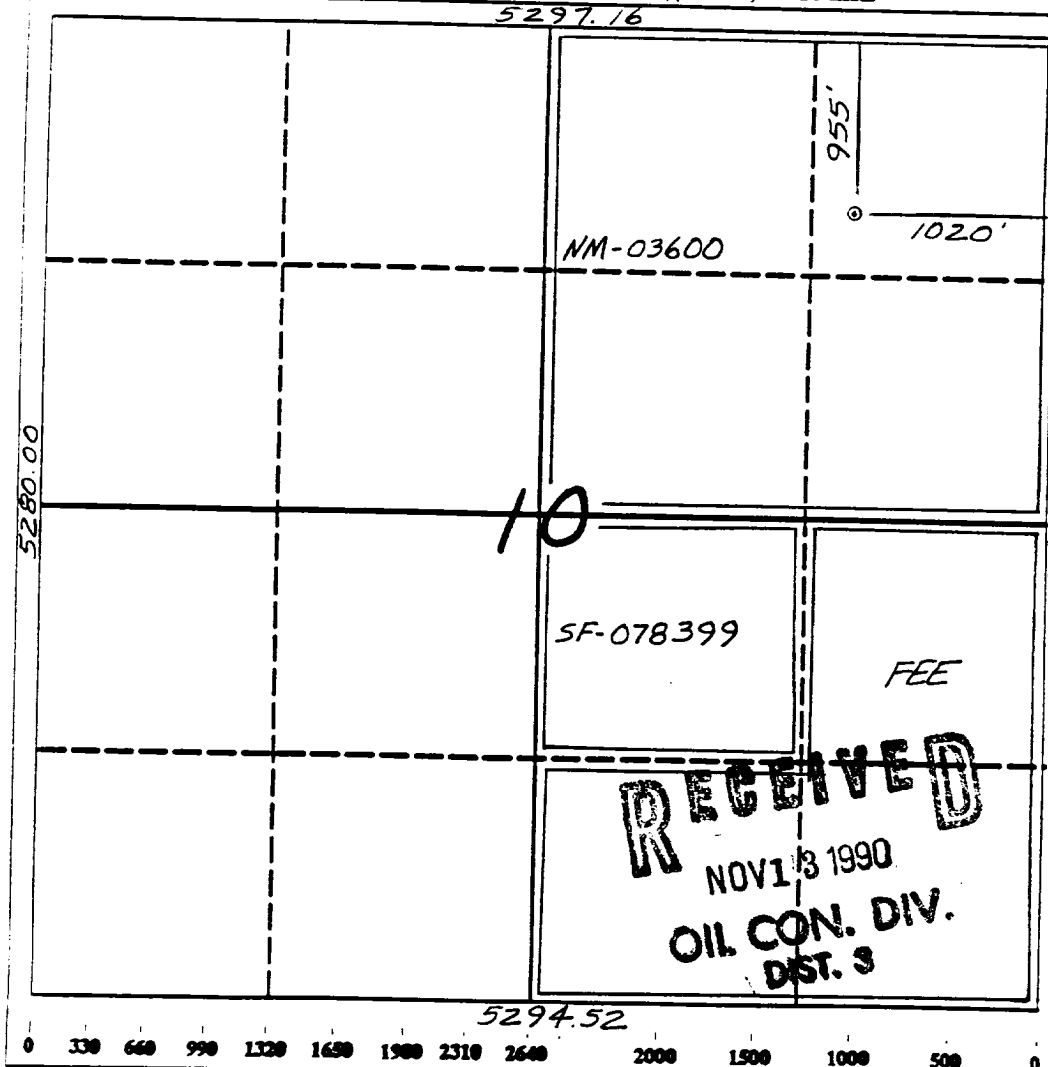
8-28-90

Date Supervised _____

Signature _____ Seal of _____
Professional Surveyor _____ MEXICO



Certificate No. **REGISTERED LAND SURVEY**
Neale C. Edwards



Well Name: 540 SAN JUAN 29-7 UNIT
 Sec. 10 T29N R07W
 BASIN FRUITLAND COAL

955'FNL 1020'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6524'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo-	2395		
Kirtland-	2570		
Fruitland-	3090		
Fruitland Coal Top-	3220	Intermediate TD-	3190
Fruitland Coal Base-	3372	Total Depth-	3374
Pictured Cliffs-	3380		

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 400	Spud	8.4 - 8.9	40-50	no control
	400 - 3190	Non-dispersed	8.4 - 9.1	30-60	no control
	3190 - 3374	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 400	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3190	7"	20.0#	K-55
	6 1/4"	3140 - 3374	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3374	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2570'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 319 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (376 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 800 psi for 30 minutes.

7" intermediate casing - lead with 471 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. 1027 cu ft. of slurry, 110% 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.

5 1/2" liner - do not cement.

