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OIL CON. DIV.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-24992

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079049-B
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Meredith</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 940' FNL 1160' FEL	9. WELL NO. 420
14. DISTANCE IN MILES FROM NEAREST TOWN 8 MILES S/W OF GOBERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 940'	11. SEC. T. R. M OR BLK. A SEC. 32 T28N R06W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 1286 325.04	12. COUNTY RIO ARRIBA
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	13. STATE NM
21. ELEVATIONS (DF, FT, GR, ETC.) 6484' GL	20. ROTARY OR CABLE TOOLS ROTARY
22. APPROX. DATE WORK WILL START	

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

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

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY:

John Caldwell
REG. DRILLING ENGR.

10/9/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-1B

Submit to Aspropres
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
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

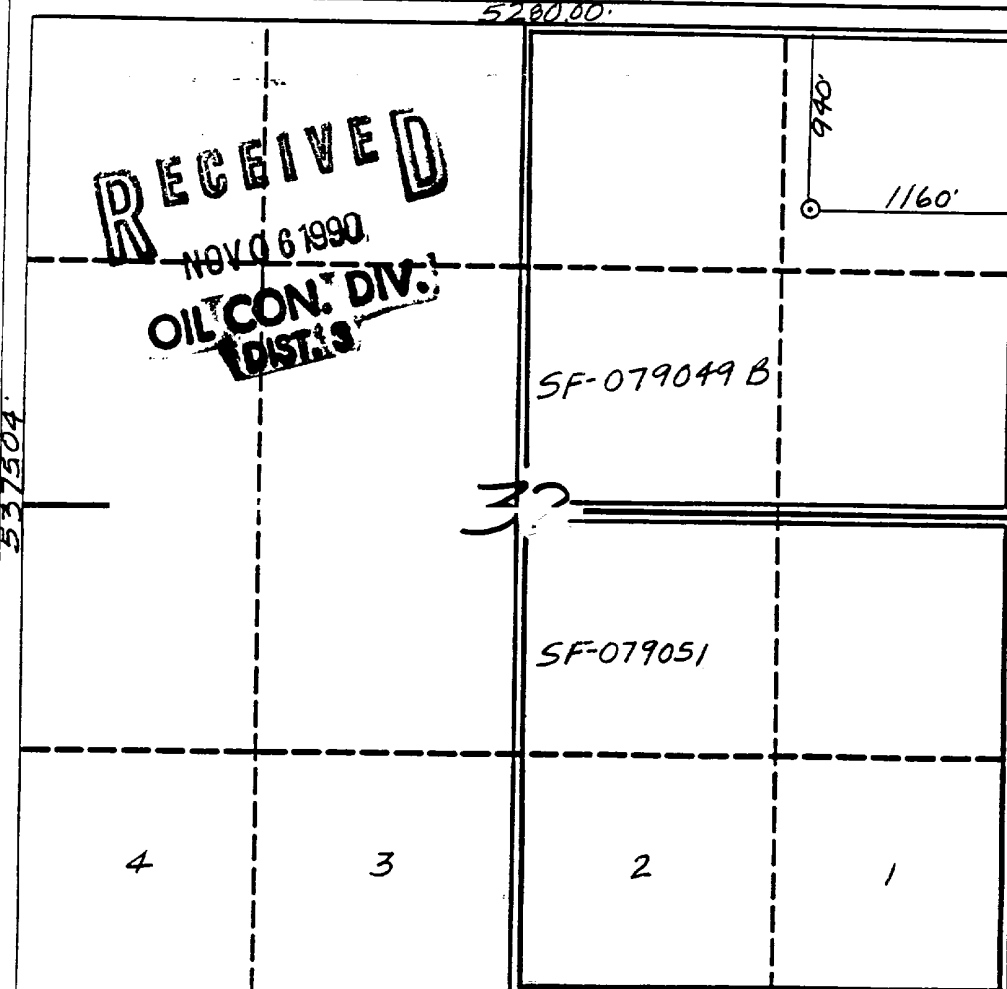
All Distar - from the outer boundaries of the section

Operator <u>El Paso Natural Gas</u>		San Juan (SF-079049B) 28-6 Unit		Well No. 420
Unit Letter A	Section 32	Township 28 North	Range 6 West	County Rio Arriba
Actual Footage Location of Well: 940 feet from the North line and 1160 feet from the East line				
Ground level Elev. 6484'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 325.04 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ink 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.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Affairs
Position

El Paso Natural Gas
Company

10-3-90
Date

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, correct to the best of my knowledge and belief.

7-30-90

Date Surveyed

Neale C. Edwards
Signature of Professional Surveyor

NEALE C. EDWARDS
REGISTERED LAND SURVEYOR
6857
6857
Neale C. Edwards

Well Name: 420 SAN JUAN 28-6 UNIT 940'FNL 1160'FEL
 Sec. 32 T28N R06W RIO ARRIBA NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6484'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2464

Kirtland- 2597

Fruitland- 3024

Fruitland Coal Top- 3095

Fruitland Coal Base- 3239

Pictured Cliffs- 3239

Total Depth- 3242

Logging Program: Mud logs from 3024 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 400	Spud	8.4 - 8.9	40-50	no control
	400 - 3242	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 400	8 5/8"	24.0#	K-40
	7 7/8"	0 - 3242	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3242	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 @ 2597'. 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 assembl

Cementing:

8 5/8" surface casing - cement with 420 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (496 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 800 psi for 30 minutes.

5 1/2" production casing - lead with 529 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. 1139 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.

[illegible]

San Juan 28-6 Unit # 420

200' New Construction

24,900' Existing BLM Roads

within Unit Boundries

Existing
BLM Roads

Existing
BLM Roads

Fee Lands

Free Lands

Existing
BLM Roads

Fee Lands

Existing
BLM Roads

Fee
Lands

Existing
BLM Road: