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APR 10 1989

OIL CON. DIV

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAIL ROOM

APR 20 AM 10:34

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED  
FARMINGTON, NEW MEXICO

- 1a. TYPE OF WORK  
DRILL
- 1b. TYPE OF WELL  
GAS SINGLE ZONE
2. OPERATOR  
EL PASO NATURAL GAS CO.  
*Meridian Oil, Inc.*
3. ADDRESS & PHONE NO. OF OPERATOR  
P O BOX 4990  
FARMINGTON, NM 87499
4. LOCATION OF WELL  
1280'N 1725'E
5. LEASE NUMBER  
SF-079250
6. IF INDIAN, ALL. OR TRIBE NAME
7. UNIT AGREEMENT NAME  
SAN JUAN 28-5 UNIT
8. FARM OR LEASE NAME  
SAN JUAN 28-5 UNIT
9. WELL NO.  
203
10. FIELD, POOL, OR WILDCAT  
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.  
☒ SEC. 17 T28N R05W NMPM
12. COUNTY 13. STATE  
RIO ARRIBA NM
14. DISTANCE IN MILES FROM NEAREST TOWN  
2 MILES FROM GOBERNADOR
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 1280'
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL  
2453.70 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 500'
19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS  
3456' ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.)  
6580'GL
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.

ALL OPERATIONS AND ACTIVITIES ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

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

OIL CON. DIV  
DIST. 3 DATE

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

*OK*

NMCCC

*[Signature]*  
AREA

## OPERATIONS PLAN

DATE: MAR 14, 1989

Well Name: 203 SAN JUAN 28-5 UNIT 1280'N 1725'E  
Sec. 17 T28N R05W RIO ARriba NEW MEXICO  
BASIN FRUITLAND COAL Elevation 6580'GL

Formation tops: Surface- SAN JOSE  
Ojo Alamo- 2701  
Kirtland- 2904  
Fruitland- 3201  
Fruitland Coal Top- 3351  
Fruitland Coal Base- 3455  
Intermediate TD- 3331  
Total Depth- 3456  
Pictured Cliffs- 3457

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 - 3331	7"	20.0#	K-55
	6 1/4"	3281 - 3456	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3456	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 37 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. 189 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 N/2 of Section 17 is dedicated to this well.

All distances must be from the outer boundaries of the Section.

Operator <b>El Paso Natural Gas</b>		Lease <b>San Juan 28-5 Unit</b> (SF-079250)		Well No. <b>203</b>
Unit Letter <b>B</b>	Section <b>17</b>	Township <b>28 North</b>	Range <b>5 West</b>	County <b>Rio Arriba</b>
Actual Footage Location of Wells <b>1280</b> feet from the <b>North</b> line and <b>1725</b> feet from the <b>East</b> line				
Ground Level Elev. <b>6580</b>	Producing Formation <b>Fruitland Coal</b>		Pool <b>Basin</b>	Dedicated Acreage: <b>320</b>

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 interests 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 interests, has been approved by the Division.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
**Regulatory Affairs**  
Position  
**El Paso Natural Gas**  
Company

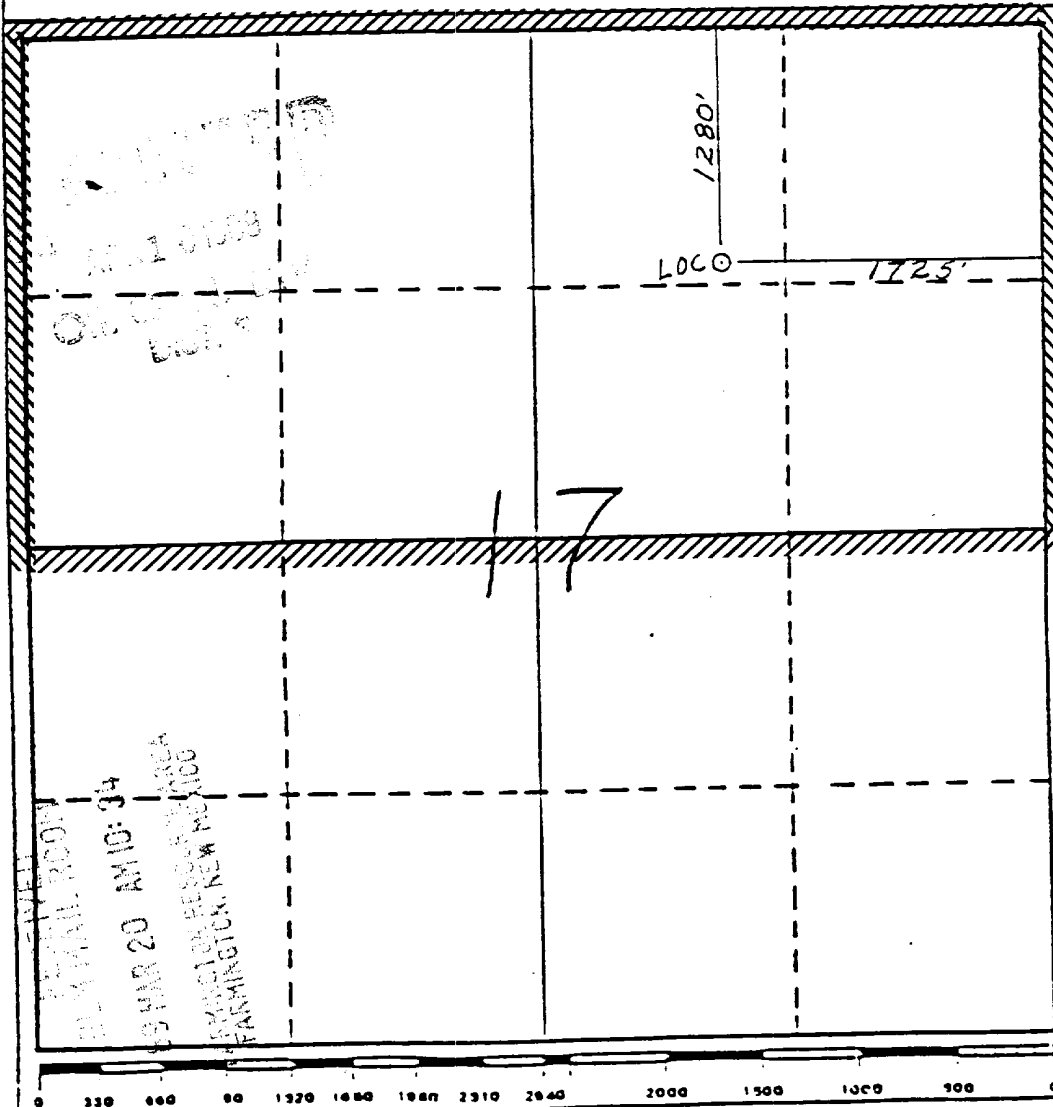
Date

I hereby certify that the information shown on this plat was plotted from 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.

Date Surveyed  
**11-3-80**  
Registered Professional Engineer and/or Land Surveyor

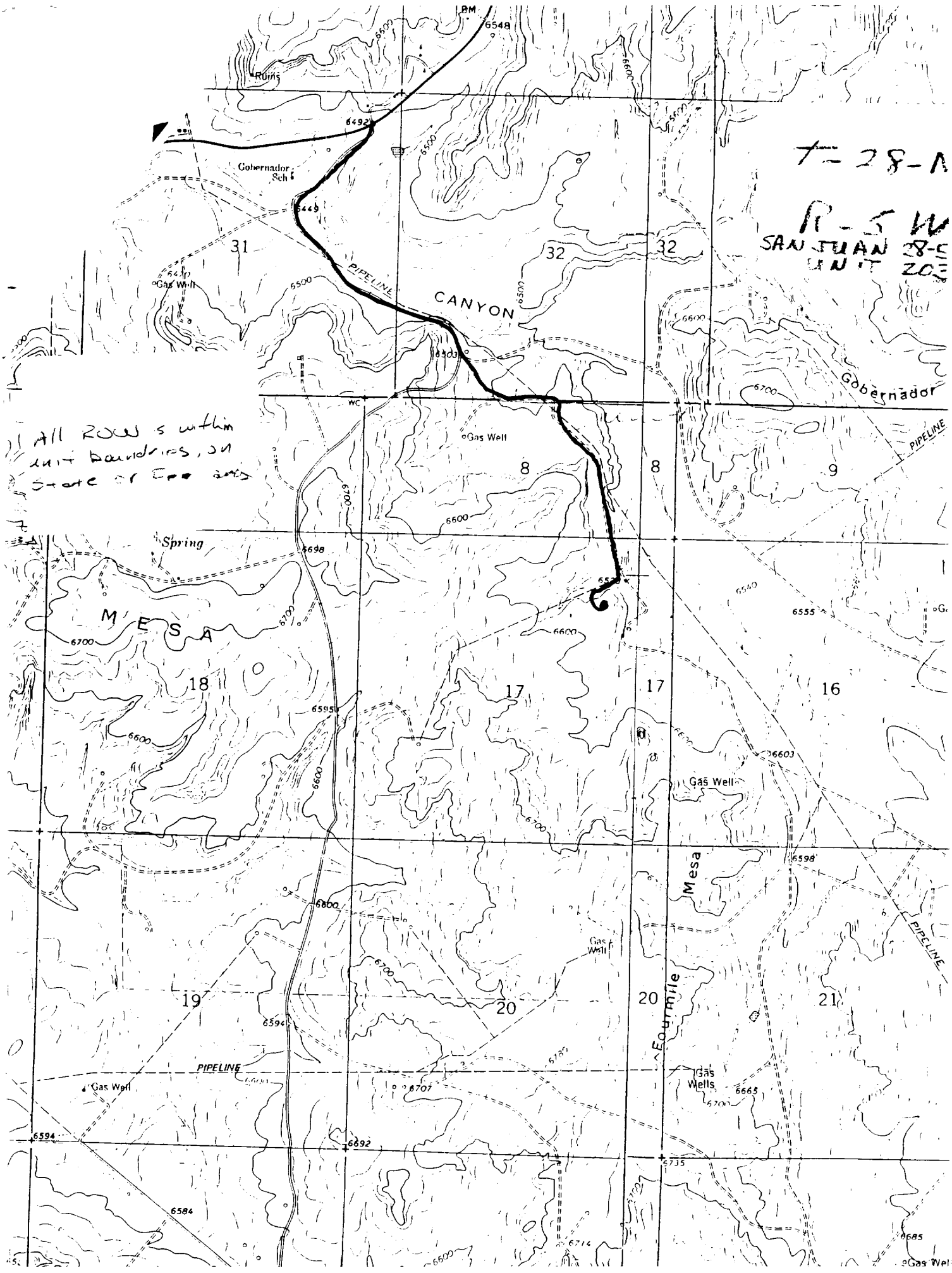
**Neale C. Edwards**

Certificate No. **6857**



T-28-A

R-5 W  
SAN JUAN 28-E  
UNIT 20



All ROW's within  
unit boundaries, on  
State or Fed lands

Fourmile  
Mesa