

30-139-34465

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUN 12 1989
OIL CON. DIV.

<p>1a. TYPE OF WORK DRILL</p> <p>1b. TYPE OF WELL GAS SINGLE ZONE</p> <hr/> <p>2. OPERATOR EL PASO NATURAL GAS CO. MERIDIAN OIL & GAS</p> <hr/> <p>3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4990 FARMINGTON, NM 87499</p> <hr/> <p>4. LOCATION OF WELL 1560'S 890'W</p> <hr/> <p>14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES FROM GOBERNADOR</p> <hr/> <p>15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 890'</p> <hr/> <p>18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1000' COMPL., OR APPLIED FOR ON THIS LEASE.</p> <hr/> <p>21. ELEVATIONS (DF, FT, GR, ETC.) 6805'GL</p>	<p>5. LEASE NUMBER SF-080505A</p> <p>6. IF INDIAN, ALL. OR TRIBE NAME</p> <hr/> <p>7. UNIT AGREEMENT NAME SAN JUAN 28-6 UNIT</p> <p>8. FARM OR LEASE NAME SAN JUAN 28-6 UNIT</p> <p>9. WELL NO. 400</p> <hr/> <p>10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL</p> <p>11. SEC. T. R. M OR BLK. L SEC. 9 T28N R06W NMPM</p> <hr/> <p>12. COUNTY RIO ARRIBA</p> <p>13. STATE NM</p> <hr/> <p>16. ACRES IN LEASE 0.00 284.20</p> <p>17. ACRES ASSIGNED TO WELL</p> <hr/> <p>19. PROPOSED DEPTH 3659'</p> <p>20. ROTARY OR CABLE TOOLS ROTARY</p> <p style="text-align: right;">This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.</p> <hr/> <p>22. APPROX. DATE WORK WILL START</p>
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23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

24. AUTHORIZED BY: [Signature]
REGULATORY AFFAIRS

7-7-89
DATE
**APPROVED
AS AMENDED**

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

JUN 07 1989
[Signature]
AREA MANAGER

NMOC

OPERATIONS PLAN

DATE: MAR 15, 1989

Well Name: 400 SAN JUAN 28-6 UNIT 1560'S 890'W
Sec. 9 T28N R06W RIO ARRIBA NEW MEXICO
BASIN FRUITLAND COAL Elevation 6805'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 2809
Kirtland- 2979
Fruitland- 3325
Fruitland Coal Top- 3530
Fruitland Coal Base- 3658
Intermediate TD- 3510
Total Depth- 3659
Pictured Cliffs- 3662

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 - 3510	7"	20.0#	K-55
	6 1/4"	3460 - 3659	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3659	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 48 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. 211 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 S/2 of Section 9 is dedicated to this well.

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

Operator <u>VERTON OIL CO.</u>		Lease <u>San Juan 28-6 Unit(SF-080505A)</u>		Well No. <u>400</u>
Unit Letter <u>L</u>	Section <u>9</u>	Township <u>28 North</u>	Range <u>6 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Wells: <u>1560</u> feet from the <u>South</u> line and <u>890</u> feet from the <u>West</u> line				
Ground Level Elev. <u>6805'</u>	Producing Formation <u>Fruitland Coal</u>	Pool <u>Basin</u>		Dedicated Acreage: <u>2.84-20</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 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, forced-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
4-7-89

Date

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

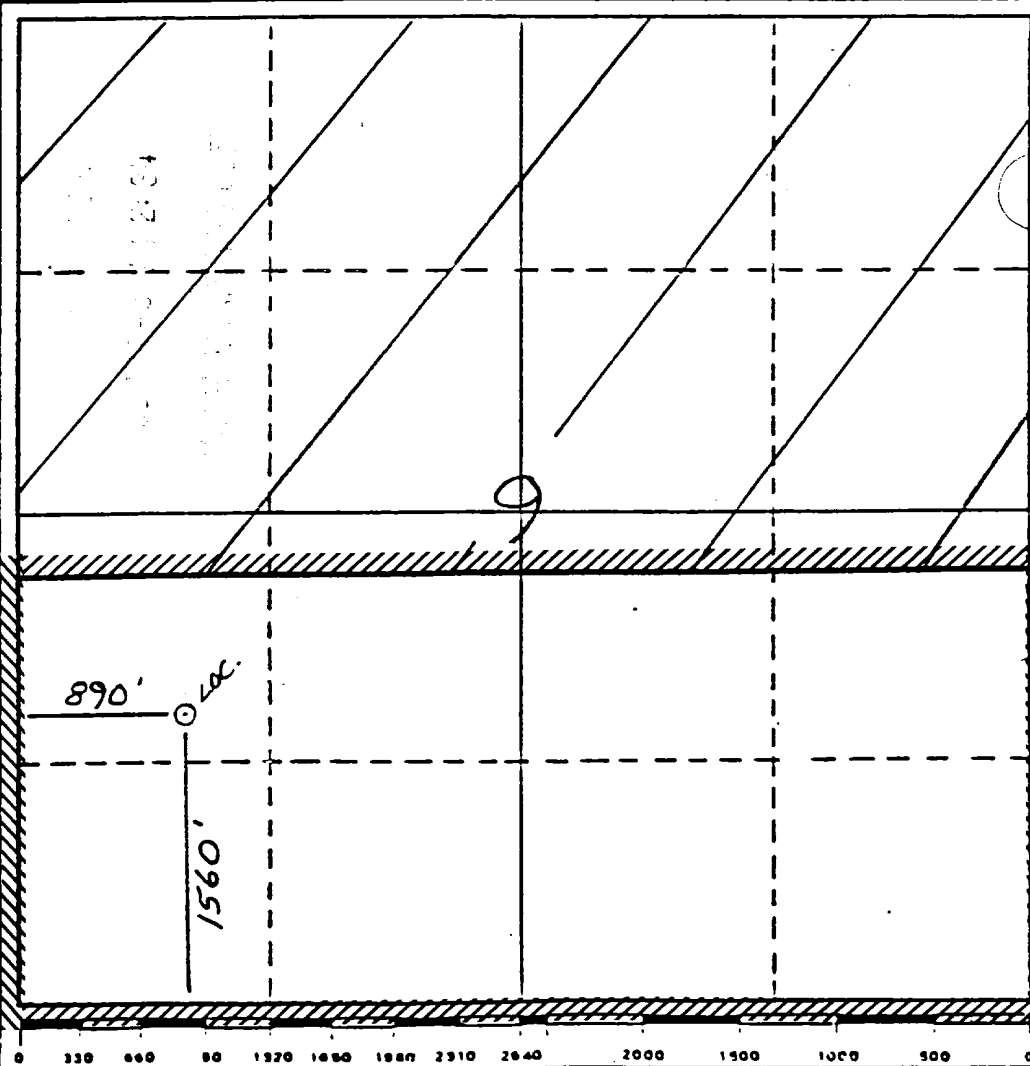
Date Surveyed
11-10-88

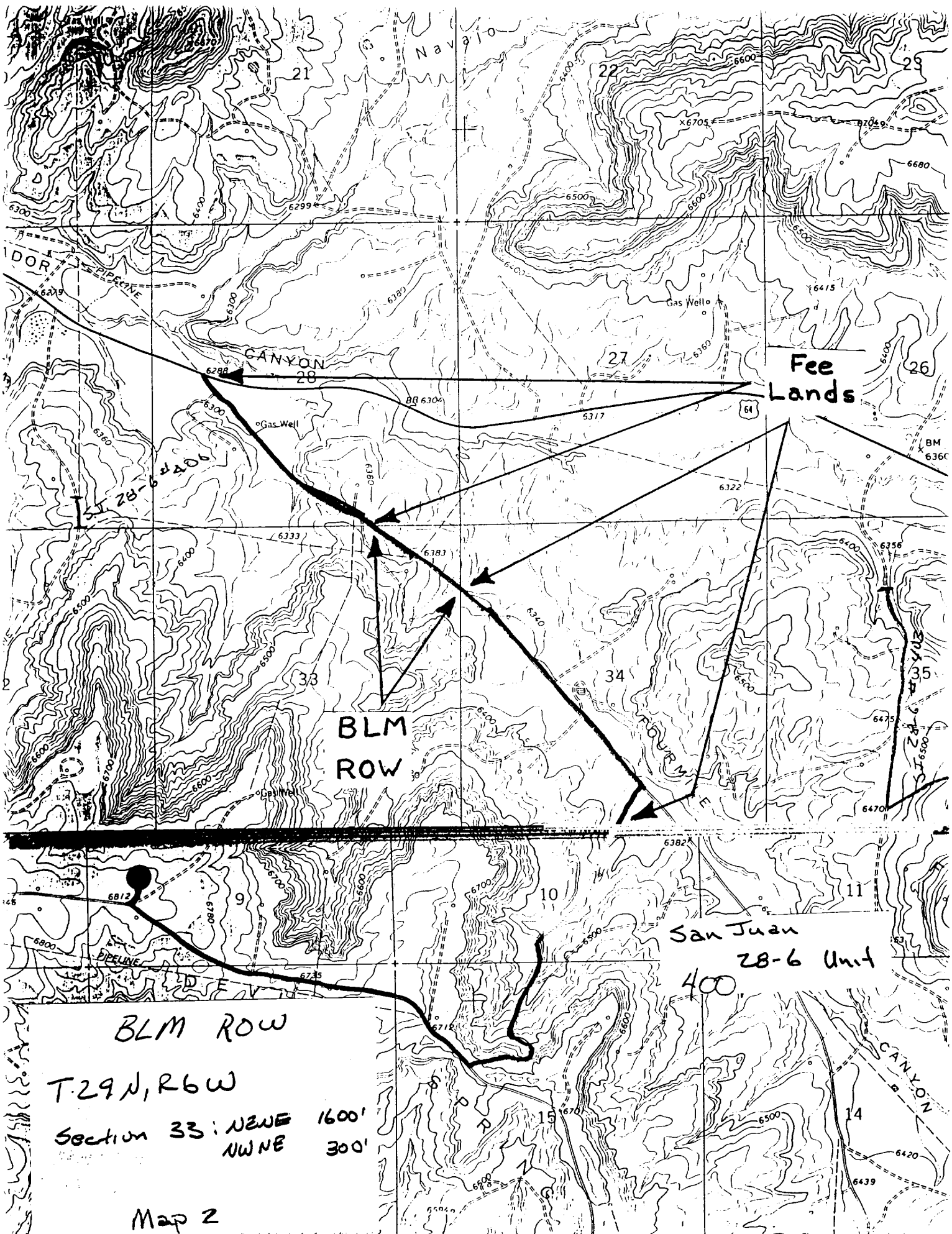
Registered Professional Engineer and/or Land Surveyor

Neale C. Edwards

Certificate No.

6857





BLM ROW
T.29N, R.6W
Section 33: NENE 1600'
NWNE 300'

Map 2