

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 NM-03862
1b. TYPE OF WELL GAS SINGLE ZONE	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO.	7. UNIT AGREEMENT NAME SAN JUAN 28-4 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4990 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 28-4 UNIT
4. LOCATION OF WELL 1880'N 1340'E	9. WELL NO. 201
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES FROM GOBERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1340' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. G SEC. 18 T28N R04W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 1917 319.53	12. COUNTY 13. STATE RIO ARRIBA NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1000' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 4398' ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 7515'GL	22. APPROX. DATE WORK WILL START

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

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

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

RECEIVED

SEP 23 1989

OIL CON. DIV.

DIST. 3 2-29-89

APPROVED
AS AMENDED
09/28/89

SEP 05 1989

[Signature]
AREA MANAGER

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

Held C-104 FARR N'S L

[Signature]

OPERATIONS PLAN

DATE: MAR 16, 1989

Well Name: 201 SAN JUAN 28-4 UNIT 1880'N 1340'E
 Sec. 18 T28N R04W RIO ARriba NEW MEXICO
 BASIN FRUITLAND COAL Elevation 7515'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 3843
 Kirtland- 3997
 Fruitland- 4255
 Fruitland Coal Top- 4302
 Fruitland Coal Base- 4395
 Intermediate TD- 4280
 Total Depth- 4398
 Pictured Cliffs- 4403

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 - 4280	7"	20.0#	K-55
	6 1/4"	4230 - 4398	5 1/2"	15.5#	K-55
Tubing Program:		0 - 4398	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 7 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. 131 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 18 is dedicated to this well.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 11-83

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

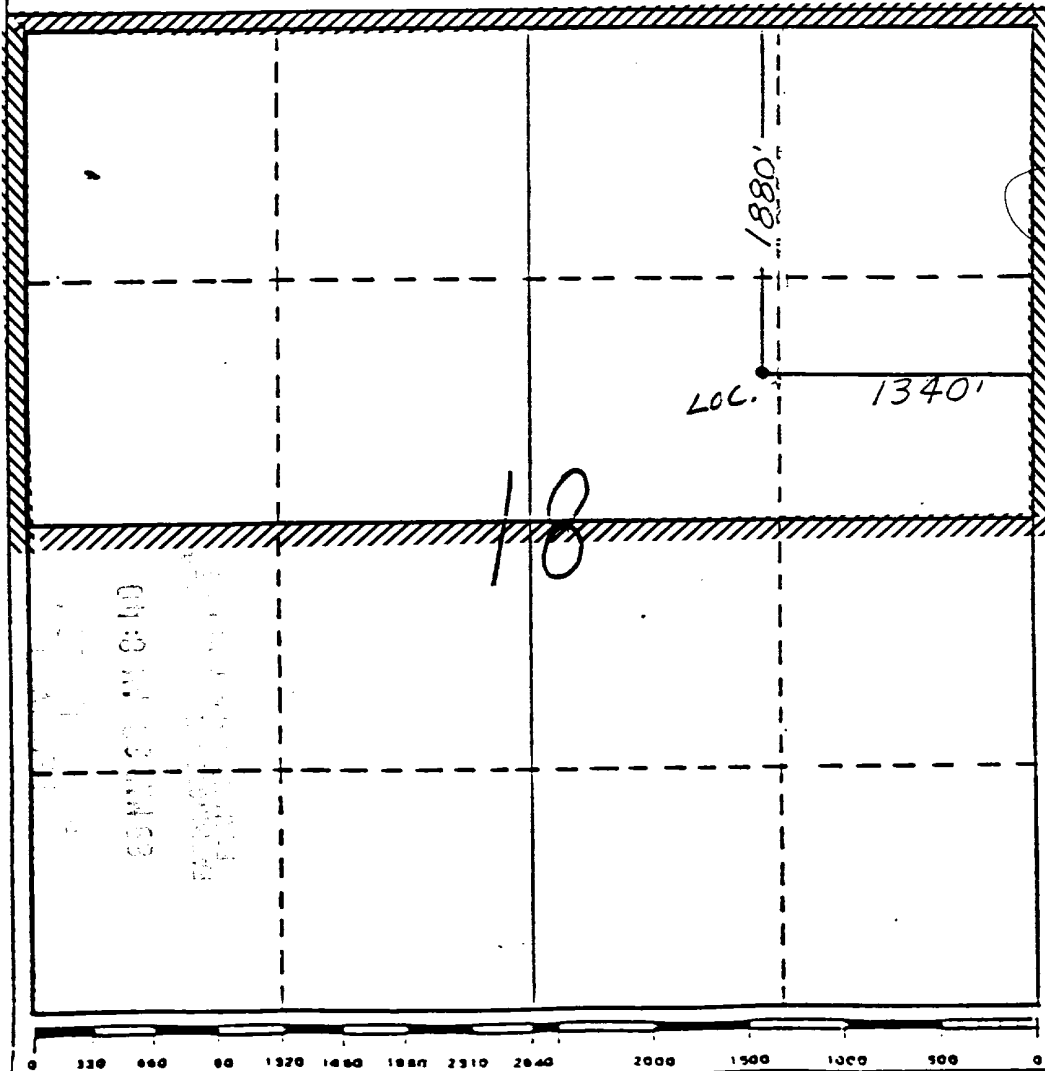
Operator <u>El Paso Natural Gas</u>		Lease <u>San Juan 28-4 Unit(NM-03862)</u>		Well No. <u>201</u>
Unit Letter <u>G</u>	Section <u>18</u>	Township <u>28 North</u>	Range <u>4 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Wells <u>1880</u> feet from the <u>North</u> line and <u>1340</u> feet from the <u>East</u> line				
Ground Level Elev. <u>7515</u>	Producing Formation <u>Fruitland Coal</u>		Pool <u>Basin</u>	Dedicated Acreage: <u>320 3/4</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 well 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.

[Signature]
Name
Regulatory Affairs

Position
El Paso Natural Gas

Company

Date 3-29-89

I hereby certify that the information shown on this plat was plotted from notes of actual surveys made by 6857 under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

11-2-88

Registered Professional Engineer and/or Land Surveyor

Neale C. Edward

Certificate No.

6857

