

30-039-24799

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PERMITTING AREA
FARMINGTON, NEW MEXICO

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078423
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO.	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
4. LOCATION OF WELL 2205' FSL 915' FWL	9. WELL NO. 520
14. DISTANCE IN MILES FROM NEAREST TOWN 8 MILES FROM GOBERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 915' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. L SEC. 8 T29N R07W NMPM
16. ACRES IN LEASE 2400	12. COUNTY RIO ARriba
17. ACRES ASSIGNED TO WELL W/ 320.00 DRILLING CRY. 1320.00 SUBJECT TO COMPLETION WITH ATTACHED "GEO. & ENGINEERING PLAN"	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3056'
21. ELEVATIONS (DF, FT, GR, ETC.) 6270' GL	20. ROTARY OR CABLE TOOLS ROTARY
22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>Danny Boone for JWC</u> REG. DRILLING ENGR.	

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JUN 18 1990

OIL CON. DIV.

DIST. 3

5-8-90
DATE

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE **APPROVED**

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.
APD was originally submitted 10-02-89 and was approved 10-25-89.
APD was rescinded 12-13-89.

NM000

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WASHINGTON, D.C.

1. The purpose of this
document is to provide
information on the
subject of the
document.

Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 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 Distances must be from the outer boundaries of the section

Operator <u>El Paso Natural Gas</u>		Lease (SF-078423) <u>San Juan 29-7 Unit</u>		Well No. <u>520</u>
Unit Letter <u>L</u>	Section <u>8</u>	Township <u>29 North</u>	Range <u>7 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Well: <u>2205</u> feet from the <u>South</u> line and <u>915</u> feet from the <u>West</u> line				
Ground level Elev. <u>6270'</u>	Producing Formation <u>Fruitland Coal</u>		Pool <u>Basin</u>	Dedicated Acreage: <u>320</u> Acres

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 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 Bradford
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

El Paso Natural Gas

Company

Date

5-8-90

SURVEYOR CERTIFICATION

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

NEALE C. EDWARDS

Signature of Surveyor
Professional Surveyor

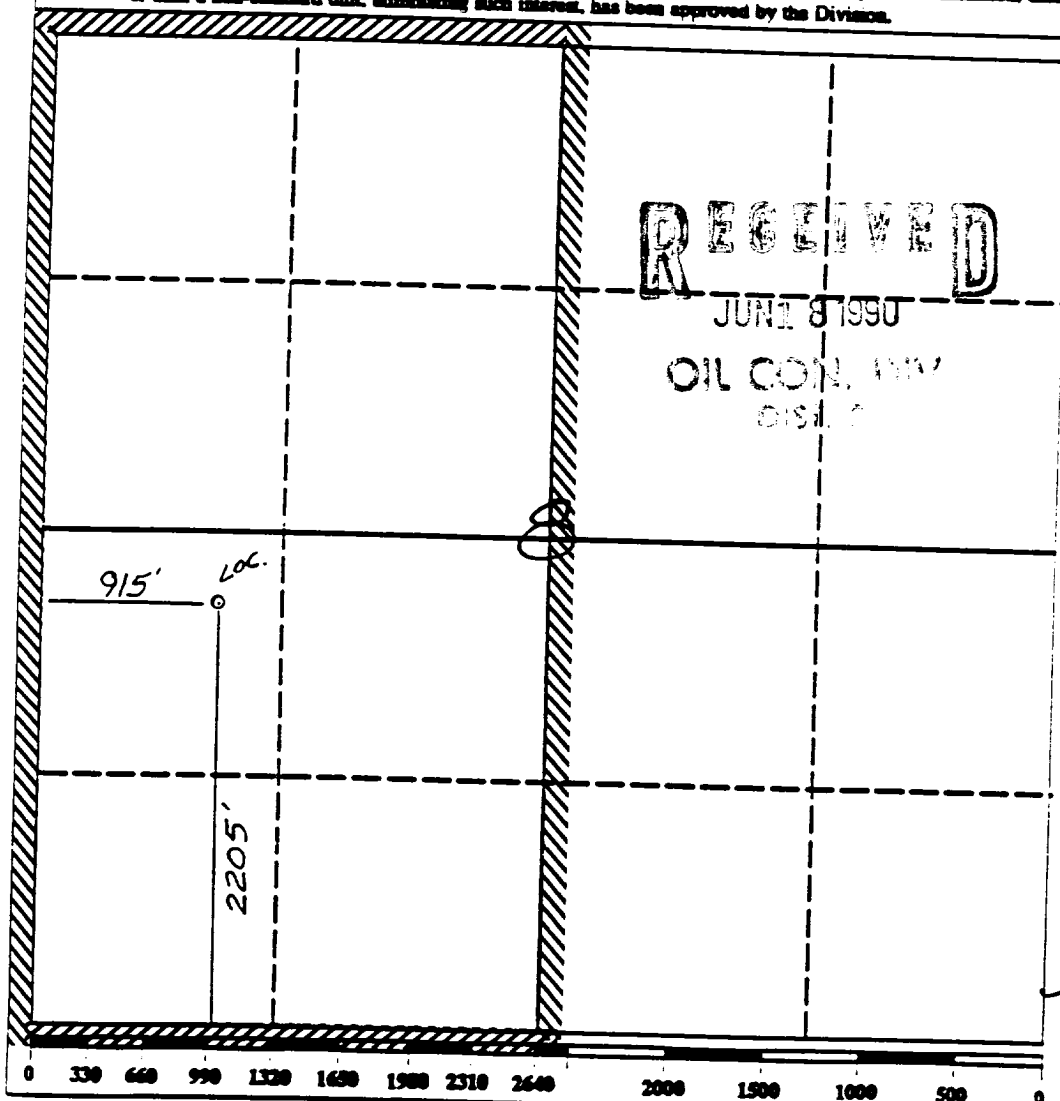
6857

REGISTERED LAND SURVEYOR

NEALE C. EDWARDS

Certificate No.

6857



Well Name: 520 SAN JUAN 29-7 UNIT 2205' FSL 915' FWL
 Sec. 8 T29N R07W RIO ARriba NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6270' GL

Formation tops: Surface- SAN JOSE

Ojo Alamo-	2060	
Kirtland-	2225	
Fruitland-	2755	
Fruitland Coal Top-	2902	
Fruitland Coal Base-	3046	Total Depth- 3056
Pictured Cliffs-	3070	

Logging Program: Mud logs from 2755 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3056	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-40
	7 7/8"	0 - 3056	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3056	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.

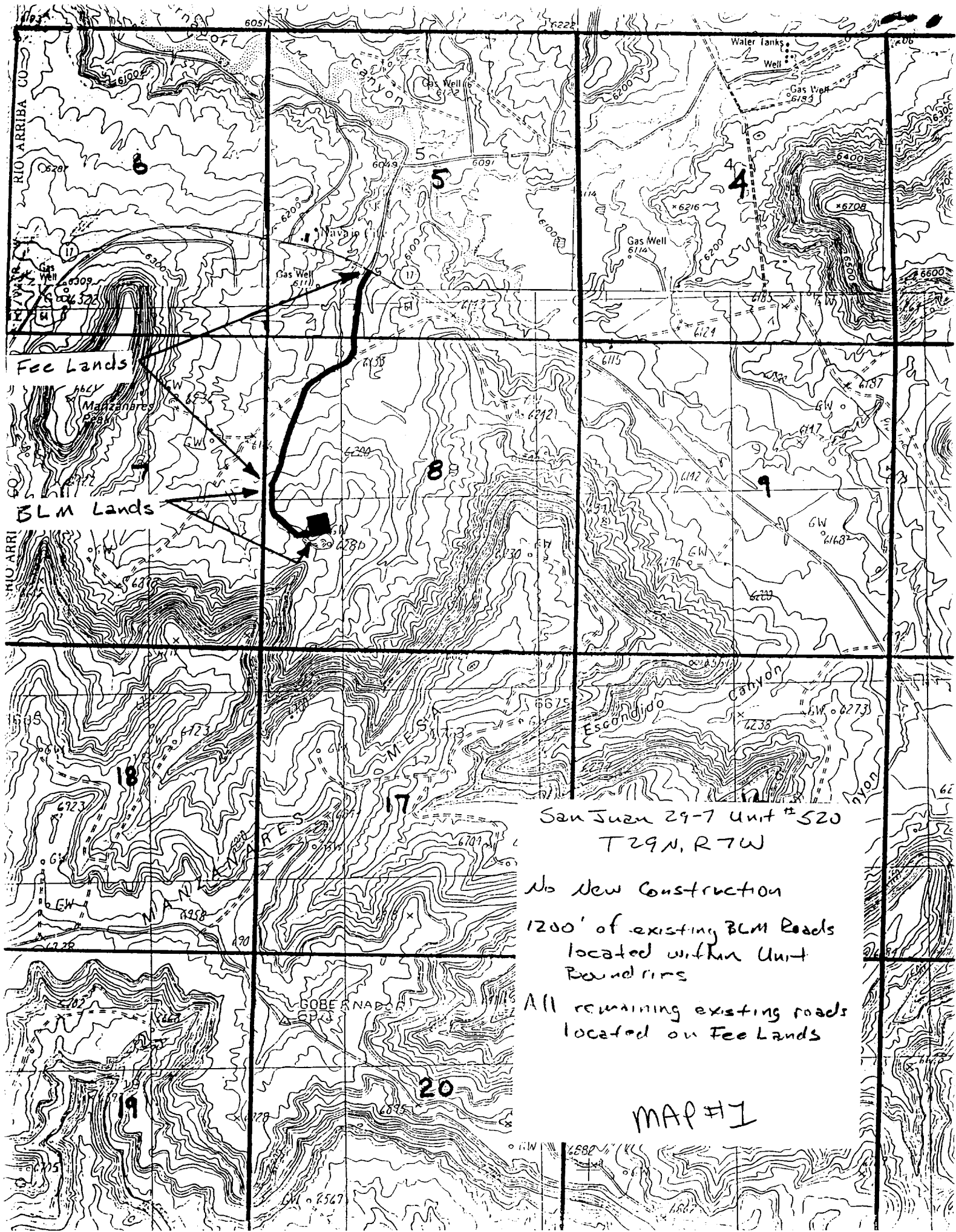
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2225'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 491 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. 1066 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.



San Juan 29-7 Unit #520
T29N, R7W

No New Construction

1200' of existing BLM Roads
located within Unit
Boundaries

All remaining existing roads
located on Fee Lands

MAP #1