

RECEIVED
OCT 25 1990
OIL CON. DIV.
DIST 3

30-039-24980 ✓

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 SF-078741
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>El Paso Natural Gas Co.</i>	7. UNIT AGREEMENT NAME SAN JUAN 30-6 UNIT ✓
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 30-6 UNIT
4. LOCATION OF WELL 2510' FNL 790' FEL	9. WELL NO. 486 ✓
14. DISTANCE IN MILES FROM NEAREST TOWN 15 MILES FROM GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL ✓
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 790'	11. SEC. T. R. M OR BLK. SEC. 23 T30N R06W NMPM ✓
16. ACRES IN LEASE 2378.68	12. COUNTY RIO ARriba ✓
17. ACRES ASSIGNED TO WELL 320.00 ✓	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 500' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3065'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6251' GL
22. APPROX. DATE WORK WILL START 9-17-90 DATE	23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN
24. AUTHORIZED BY: <i>For Caldwell</i> REG. DRILLING ENGR.	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
APPROVED AS AMENDED

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

NMOCD

OCT 23 1990

Submit to Appropriate
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

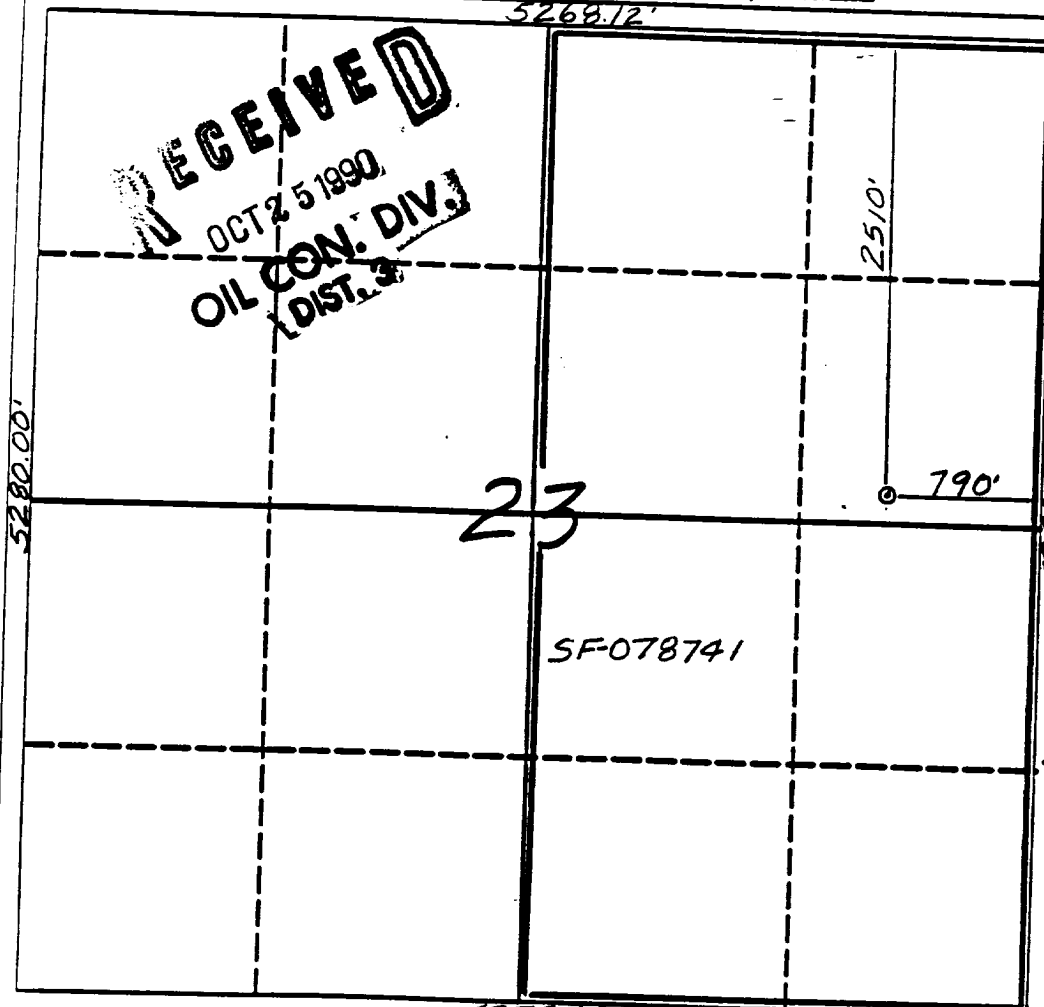
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator <u>El Paso Natural Gas</u>			Lease <u>San Juan 30-6 Unit</u>		Well No. <u>486</u>
Unit Letter <u>H</u>	Section <u>23</u>	Township <u>30 North</u>	Range <u>6 West</u>	County <u>Rio arriba</u>	
Actual Footage Location of Well: <u>2510</u> feet from the <u>North</u> line and <u>790</u> feet from the <u>East</u> line					
Ground level Elev. <u>6251'</u>		Producing Formation <u>Fruitland Coal</u>		Foot <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 best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Affairs
Position

El Paso Natural Gas
Company

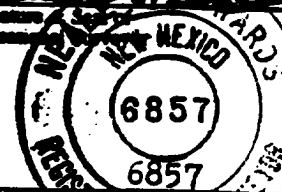
9-17-90
Date

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 my supervision, and that the same is true and correct to the best of my knowledge and belief.

8-8-90

Neale C. Edwards
Date Surveyed
Signature
Professional Surveyor



Neale C. Edwards
Certificate No.

Well Name: 486 SAN JUAN 30-6 UNIT
 Sec. 23 T30N R06W
 BASIN FRUITLAND COAL

2510'FNL 790'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6251'GL

Formation tops: Surface- San Jose

Ojo Alamo- 2315

Kirtland- 2425

Fruitland- 2795

Fruitland Coal Top- 2925

Fruitland Coal Base- 3064

Pictured Cliffs- 3066

Intermediate TD- 2905

Total Depth- 3065

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2905	Non-dispersed	8.4 - 9.1	30-60	no control
	2905 - 3065	Formation Water	8.4		no control

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 - 2905	7"	20.0#	K-55
	6 1/4"	2855 - 3065	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3065	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2425'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - 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.

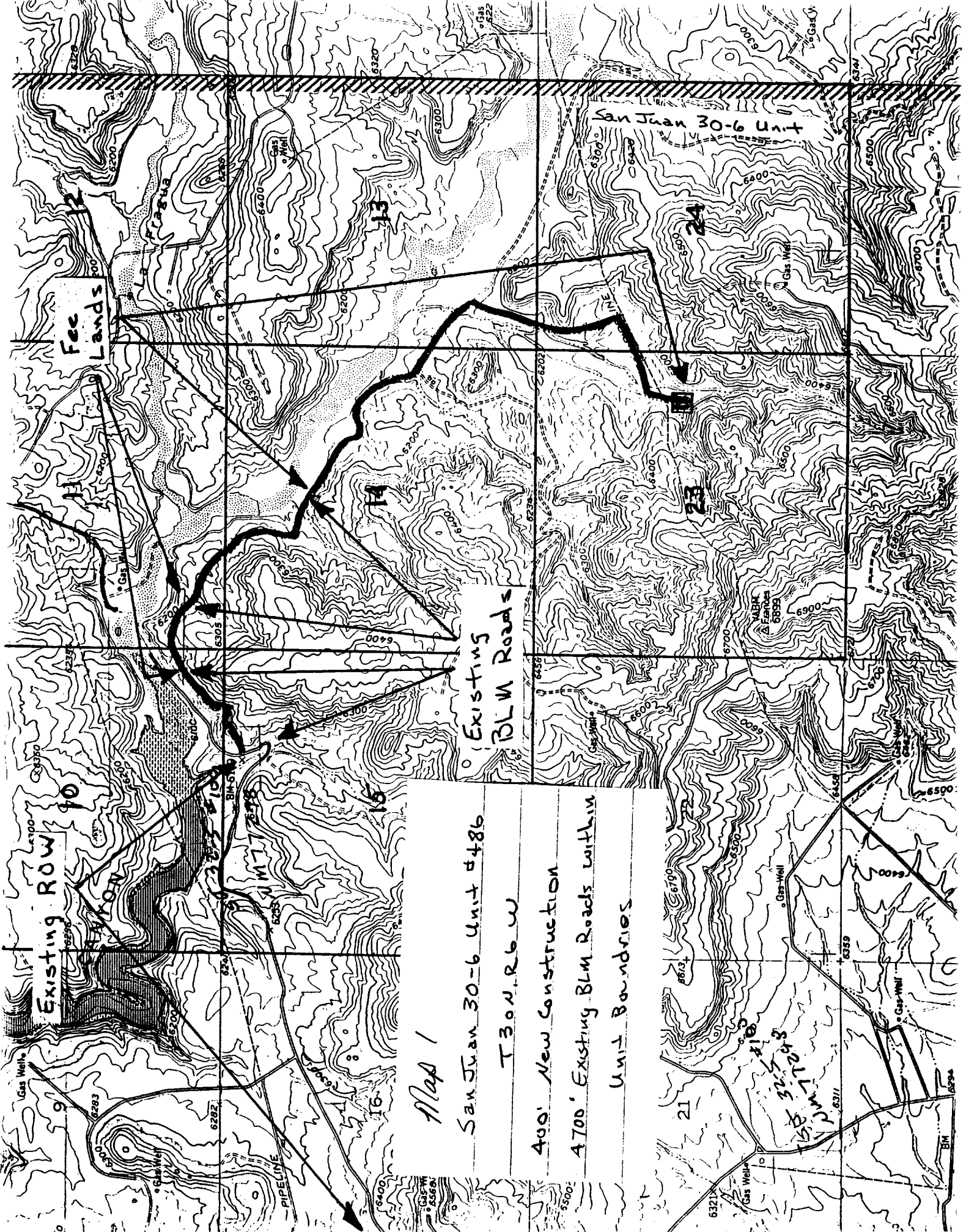
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 160 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 419 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. 927 cu ft. of slurry, 110% 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.

5 1/2" liner - do not cement.



Map 1

San Juan 30-6 Unit #486

T30N, R6W

400' New Construction

4700' Existing BLM Roads within
Unit Boundaries