

30-039-24658

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAR 20 1990

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

MAR 20 11:05:53

- 1a. TYPE OF WORK
DRILL
- 1b. TYPE OF WELL
GAS SINGLE ZONE
- 2. OPERATOR
~~EL PASO NATURAL GAS CO.~~
W. J. ...
- 3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4990
FARMINGTON, NM 87499
- 4. LOCATION OF WELL
1850'N 1775'E
- 5. LEASE NUMBER
SF-080#30B
- 6. IF INDIAN, ALL. OR TRIBE NAME
- 7. UNIT AGREEMENT NAME
SAN JUAN 28-6 UNIT
- 8. FARM OR LEASE NAME
SAN JUAN 28-6 UNIT
- 9. WELL NO.
407
- 10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
- 11. SEC. T. R. M OR BLK.
G SEC. 30 T28N R06W NMPM
- 12. COUNTY
RIO ARRIBA
- 13. STATE
NM
- 14. DISTANCE IN MILES FROM NEAREST TOWN
11 MILES FROM GOBERNADOR
- 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.
1775'
- 16. ACRES IN LEASE
845.63
- 17. ACRES ASSIGNED TO WELL
E/320.00
- 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.
400'
- 19. PROPOSED DEPTH
3316'
- 20. ROTARY OR CABLE TOOLS
ROTARY
- 21. ELEVATIONS (DF, FT, GR, ETC.)
6580'GL
- 22. APPROX. DATE WORK WILL START

This permit is subject to technical and environmental review pursuant to 43 CFR 3165.3 and approval pursuant to 43 CFR 3165.4

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

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

RECEIVED

MAR 16 1990

OIL CON. DIV.

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

CIST. 3 3-17-89

APPROVED AS AMENDED

MAR 12 1990

[Signature]
AREA MANAGER

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

[Handwritten initials]

NM000

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

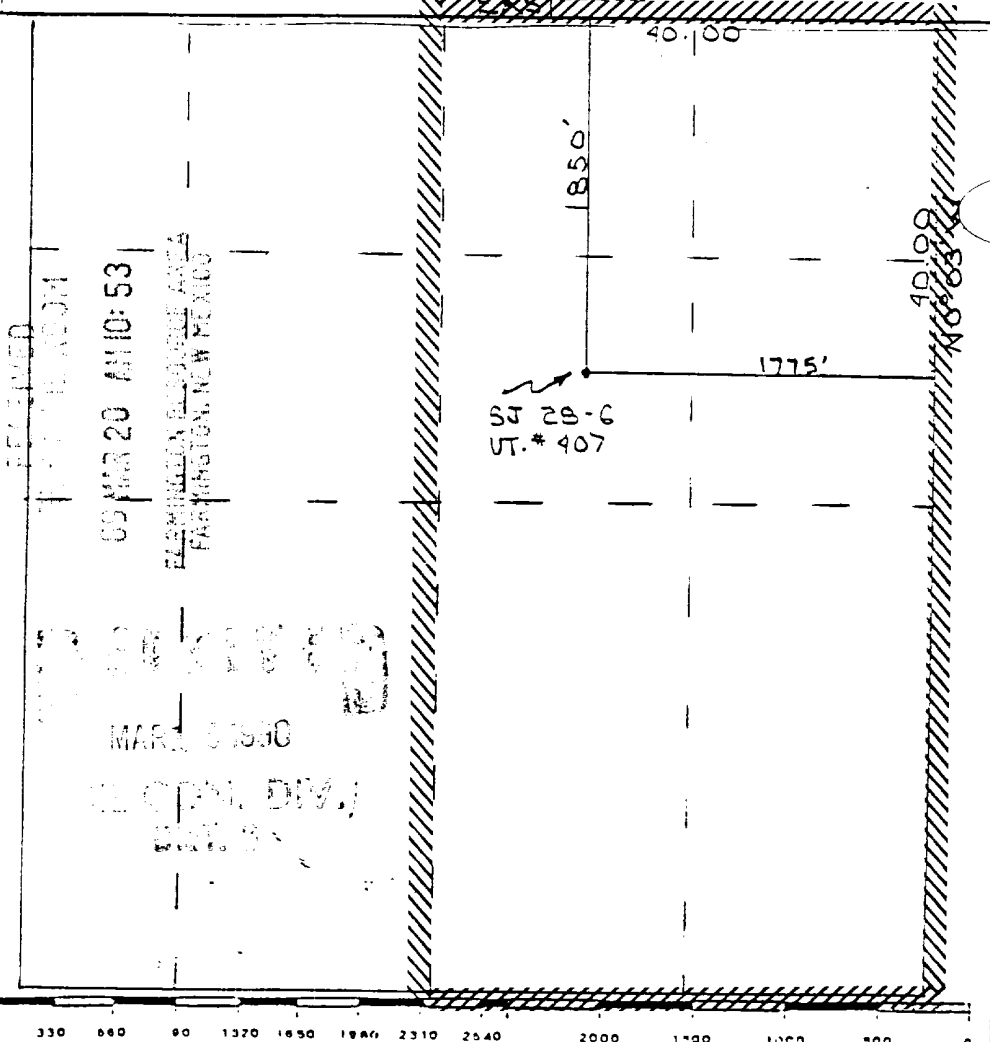
Operator <i>El Paso Natural Gas Company</i>		Lease San Juan 28-6 Unit (SF-080430E)		Well No. 407
Unit Letter G	Section 30	Township T28N	Range R6W	County Rio Arriba County
Actual Postage Location of Well:				
1850	feet from the	North	line and	1775
				feet from the
				East
Ground Level Elev. 6580	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage 320

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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. Reissued to show moved location.



CERTIFICATION

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

R. Howard Daggett
Name

Regulatory Affairs
Position

El Paso Natural Gas
Company

3-17-89
Date

Date Surveyed

November 1988

Registered Land Surveyor

R. Howard Daggett

Professional Land Surveyor

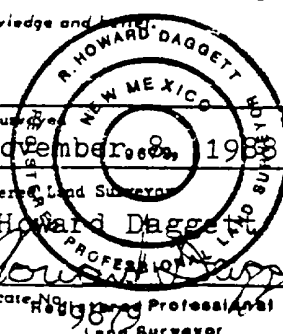
Certificate No. 1088

November 1988

R. Howard Daggett

Professional Land Surveyor

Certificate No. 1088



Well Name: 407 SAN JUAN 28-6 UNIT 1850'N 1775'E
 Sec. 30 T28N R06W RIO ARRIBA NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6580'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2554
 Kirtland- 2664
 Fruitland- 3061
 Fruitland Coal Top- 3194
 Fruitland Coal Base- 3315
 Total Depth- 3316
 Pictured Cliffs- 3321

Logging Program: Mud logs from 3061 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3316	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 - 3316	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3316	2 3/8"	4.7#	J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.

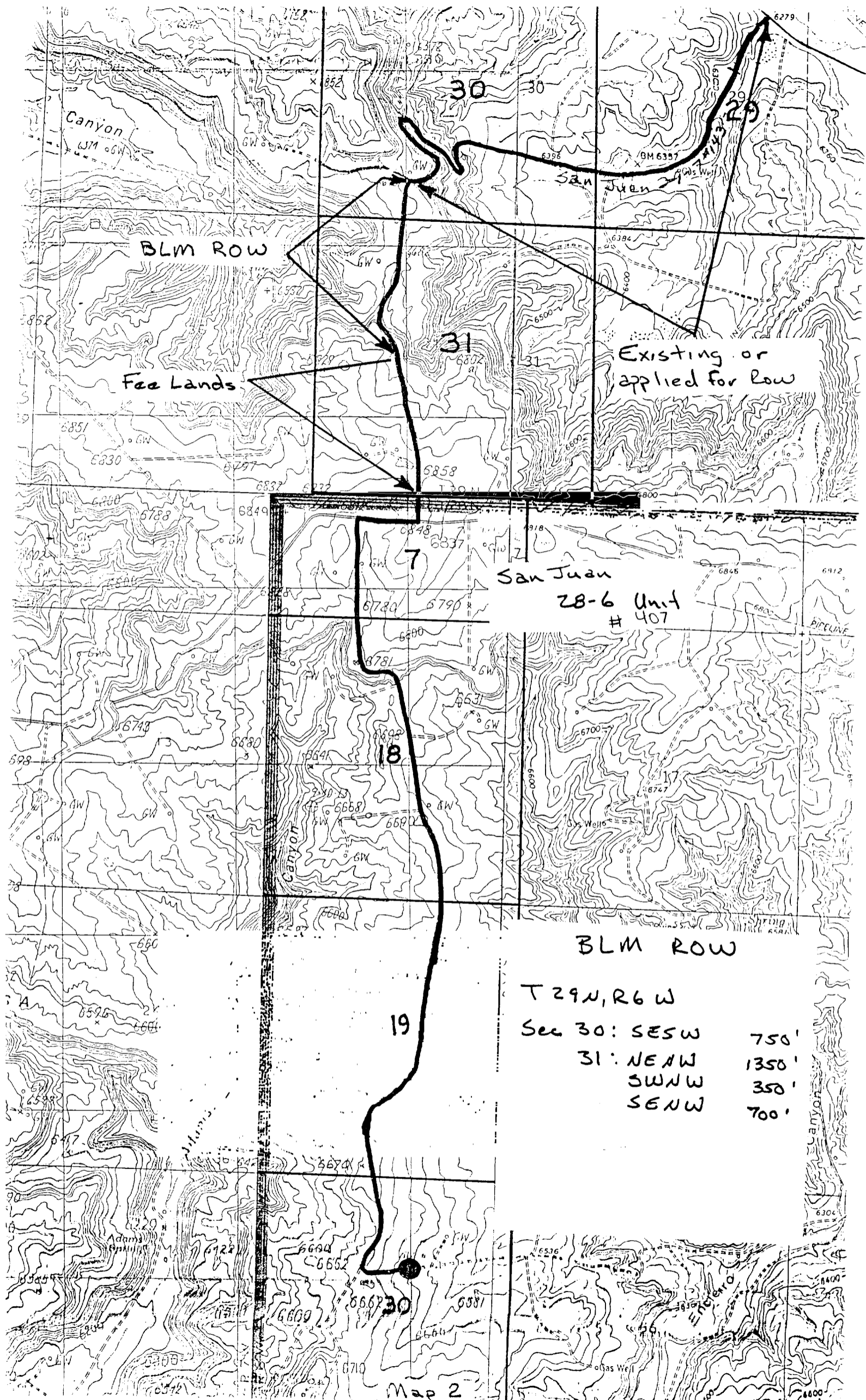
Three centralizers run every other joint above shoe.

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 140 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 76 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. 264 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.



BLM ROW

Fee Lands

Existing or applied for low

San Juan
28-6 Unit
407

BLM ROW

T 29 N, R 6 W

Sec 30: SESW	750'
31: NE1/4	1350'
SW1/4	350'
SE1/4	700'