

20-039-24508

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
JUL 26 1989

OIL CON. DIV.
DIST. 3

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079485B
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. MOZ 14538	7. UNIT AGREEMENT NAME SAN JUAN 30-4 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME 7467 SAN JUAN 30-4 UNIT
4. LOCATION OF WELL 980'N 1195'E	9. WELL NO. 100
14. DISTANCE IN MILES FROM NEAREST TOWN 19 MILES FROM GOBERNADOR	10. FIELD, POOL, OR WILDCAT 71629 BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 980' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. A SEC. 17 T30N R04W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 320.00	12. COUNTY 13. STATE RIO ARRIBA NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 7318'GL	22. APPROX. DATE WORK WILL START

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

24. AUTHORIZED BY: Dean Bradfield 6-1-89
REGULATORY AFFAIRS DATE

PERMIT NO. _____ APPROVAL DATE AS AUTHORIZED

APPROVED BY _____ TITLE _____ DATE JUL 26 1989
Area Manager

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

OK

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

Operator El Paso Natural Gas		Lease San Juan 30-4 Unit		Well No. 100
Unit Letter A	Section 17	Township 30 North	Range 4 West	County Rio Arriba
Actual Footage Location of Well: 980 feet from the North line and 1195 feet from the East line				
Ground Level Elev. 7318	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 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 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 Director.

	CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>[Signature]</i> Name Regulatory Affairs Position El Paso Natural Gas Company Date 6-1-89
	NEALE C. EDWARDS REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR 6857 <i>[Signature]</i> Date Surveyed Registered Professional Engineer and/or Land Surveyor Neale C. Edwards Certificate No. 6857

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

Well Name: 100 SAN JUAN 30-4 UNIT
Sec. 17 T30N R04W
BASIN FRUITLAND COAL

980'N 1195'E
RIO ARriba NEW MEXICO
Elevation 7318'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 3437
Kirtland- 3677
Fruitland- 3917
Fruitland Coal Top- 4037
Fruitland Coal Base- 4062
Intermediate TD- 4017
Total Depth- 4063
Pictured Cliffs- 4087

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 contro
	200 - 4017	Non-dispersed	8.4 - 9.1	30-60	no contro
	4017 - 4063	Formation Water	8.4		no contro

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 - 4017	7"	20.0#	K-55
	6 1/4"	3967 - 4063	5 1/2"	15.5#	K-55
Tubing Program:		0 - 4063	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 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 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 29 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.
174 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.