

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 20 1991

OIL CON. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-25067

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-080671-A
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Monte Carlo Inc. 14538</i>	7. UNIT AGREEMENT NAME SAN JUAN 27-4 UNIT ✓
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 27-4 UNIT 7452
4. LOCATION OF WELL 2510' FNL 1310' FEL	9. WELL NO. 318 ✓
14. DISTANCE IN MILES FROM NEAREST TOWN 20 MI. N/W OF GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL ✓ 71624
15. DISTANCE FROM PROPOSED LOCATION 1310' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. H SEC. 11 T27N R04W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 1280.08 E/320.00 ✓	12. COUNTY RIO ARRIBA ✓
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 2700' COMPL., OR APPLIED FOR ON THIS LEASE.	13. STATE NM
21. ELEVATIONS (DF, FT, GR, ETC.) 6823' GL	20. ROTARY OR CABLE TOOLS ROTARY
22. APPROX. DATE WORK WILL START	SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *Charles A. Jones for IWC*
REG. DRILLING ENGR.

12/17/90
DATE
APPROVED
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

MAY 16 1991
[Signature]
AREA MANAGER

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

6K (2)

514000

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer 00, Aramis, NM 88210

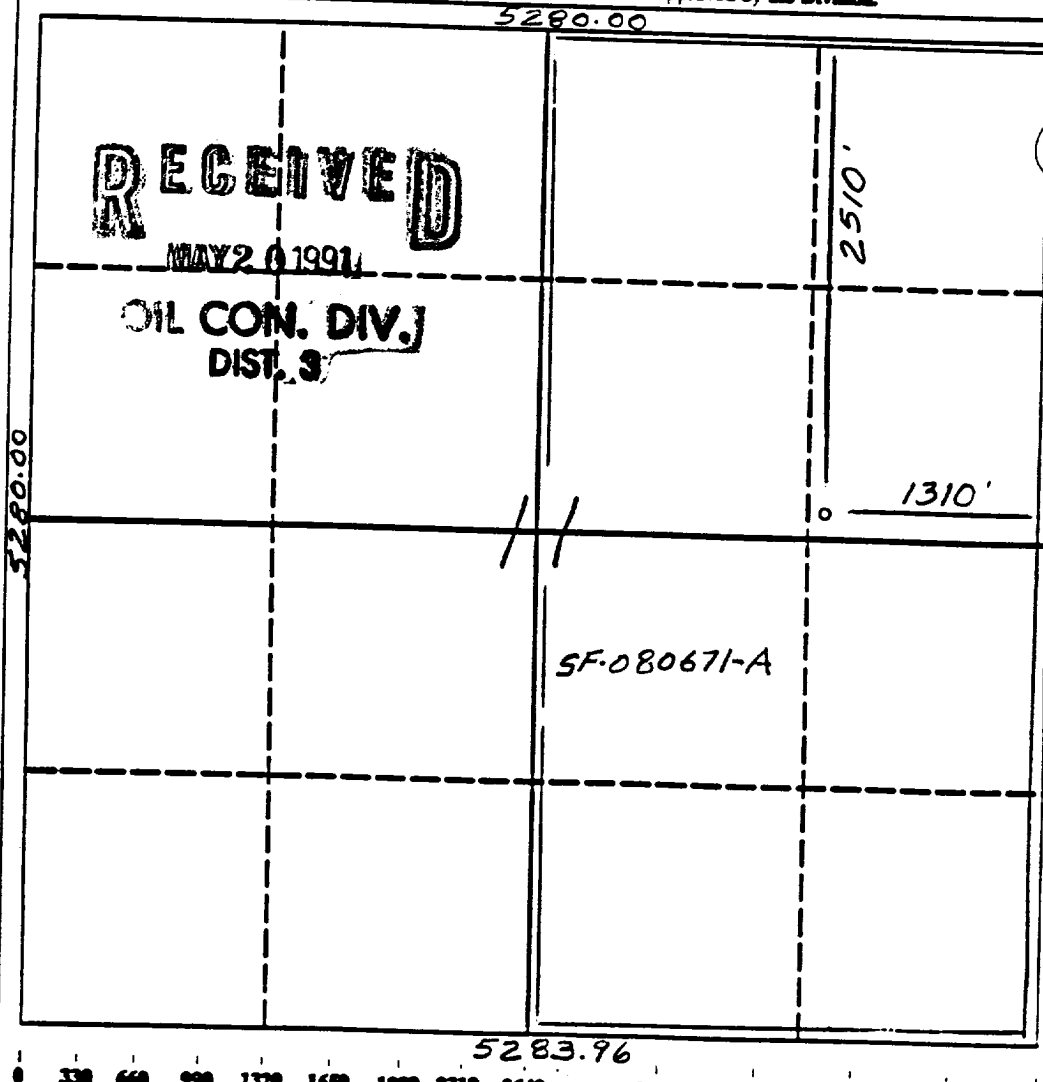
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <i>Mendocino Oil Inc.</i> <i>El Paso Natural Gas</i>			Lease (SF-080671A) San Juan 27-4 Unit		Well No. 318
Unit Letter H	Section 11	Township 27 North	Range 4 West	County NMNM	Rio Arriba
Actual Footage Location of Well: 2510 feet from the North line and 1310 feet from the East line					
Ground level Elev. 6823'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or ink 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, forced-pooling, or otherwise) or until a non-standard tract, 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.

Signature *Peggy Bradfield*

Printed Name
Peggy Bradfield

Regulatory Affairs

Position

El Paso Natural Gas

Company

Date
10-17-90

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.

9-26-90

Date Surveyed

Signature *Neale Edwards*
Professional Surveyor



Certificate No. *6857*
Neale Edwards

Well Name: 318 SAN JUAN 27-4 UNIT
 Sec. 11 T27N R04W
 BASIN FRUITLAND COAL

2510'FNL 1310'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 6823'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 3213
 Kirtland- 3321
 Fruitland- 3509
 Fruitland Coal Top- 3549
 Fruitland Coal Base- 3719
 Pictured Cliffs- 3728

Total Depth- 3722

Logging Program: Mud logs from 3509 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3722	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 - 3722	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3722	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.

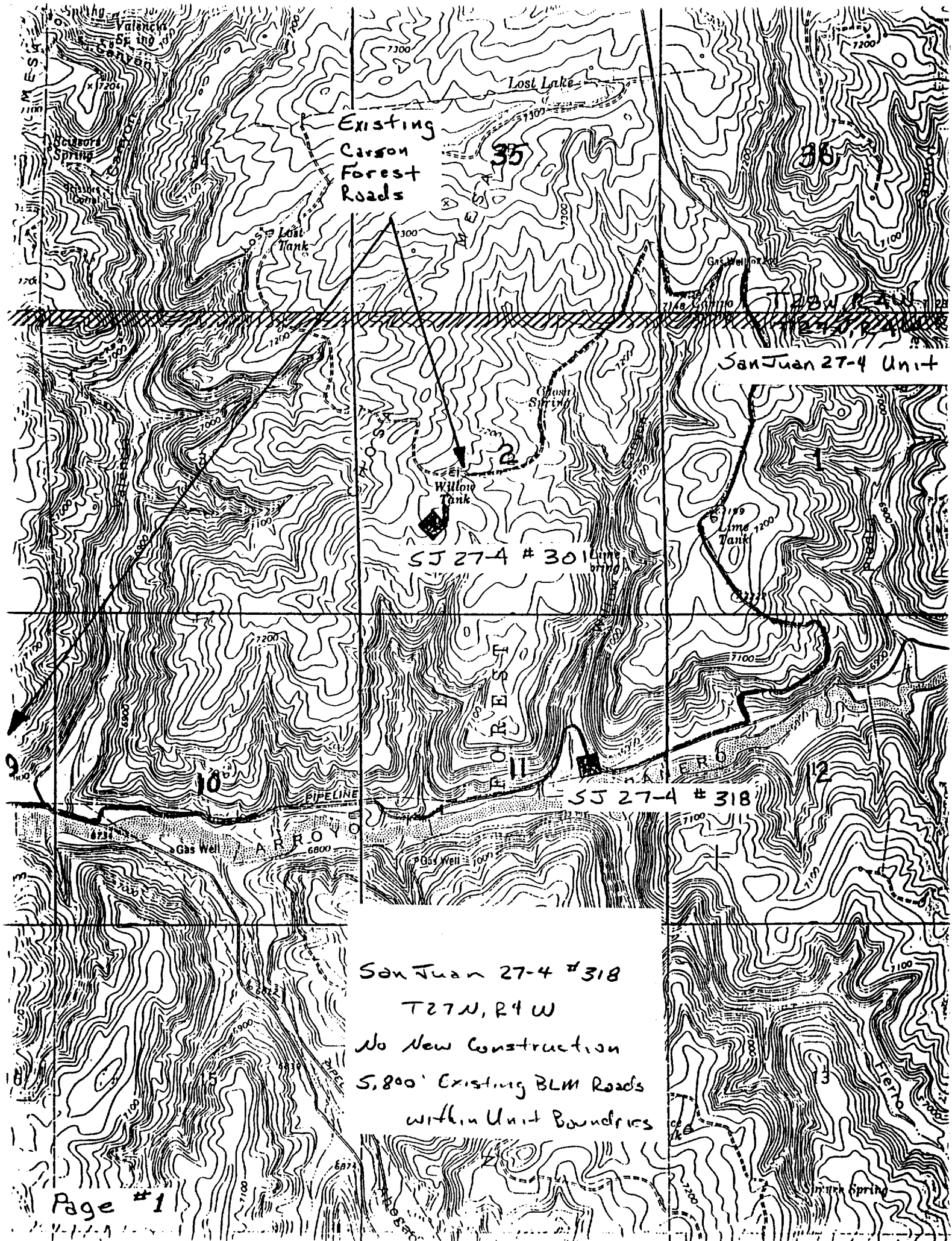
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3321'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly

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 611 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. 1297 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.



Existing
Carson
Forest
Roads

Lost Lake

35

36

Lost Tank

Gas Well

San Juan 27-4 Unit

Gas Well

Willow Tank

SJ 27-4 # 301

Lime Tank

FOREST

SJ 27-4 # 318

Gas Well

ARROYO

Gas Well

San Juan 27-4 #318

T27N, R4W

No New Construction

S, 800' Existing BLM Roads

Within Unit Boundaries