

30-039-24866

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-078423
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR <i>Speciation Oil Inc.</i> EL PASO NATURAL GAS CO. 14538	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 7465 SAN JUAN 29-7 UNIT
4. LOCATION OF WELL 2020' FSL 1305' FWL	9. WELL NO. 521
14. DISTANCE IN MILES FROM NEAREST TOWN 4 MILES FROM NAVAJO CITY	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 71629
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 1305'	11. SEC. T. R. M OR BLK. L SEC. 13 T29N R07W NMPM
16. ACRES IN LEASE 2400	12. COUNTY RIO ARRIBA
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. 50'	19. PROPOSED DEPTH 3104'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6248' GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

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

24. AUTHORIZED BY: *[Signature]* REG. DRILLING ENGR. **RECEIVED** AUG 3 1990 *7/27/90* DATE

OIL CON. DIV. DIST. 3

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. APD was originally submitted 10-21-89 and approved 11-20-89. APD was rescinded 01-08-90.

NMOCD

Send 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>Mexican Oil, Inc.</u>		Lease <u>San Juan 29-7 Unit</u> (SF-078423)		Well No. <u>521</u>
Unit Letter <u>L</u>	Section <u>13</u>	Township <u>29 North</u>	Range <u>7 West</u>	County <u>Rio Arriba</u>
Actual Footage Location of Well: <u>3020</u> feet from the <u>South</u> line and <u>1305</u> feet from the <u>West</u> line		Producing Formation <u>Fruitland Coal Basin</u>		
Ground level Elev. <u>6248'</u>	Dedicated Acreage: <u>320</u> Acres			

1. Outline the acreage dedicated to the subject well by colored pencil or lacquer 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.

Signature Peggy Bradfield

Printed Name Peggy Bradfield
Position Regulatory Affairs

Company El Paso Natural Gas

Date 10-23-89

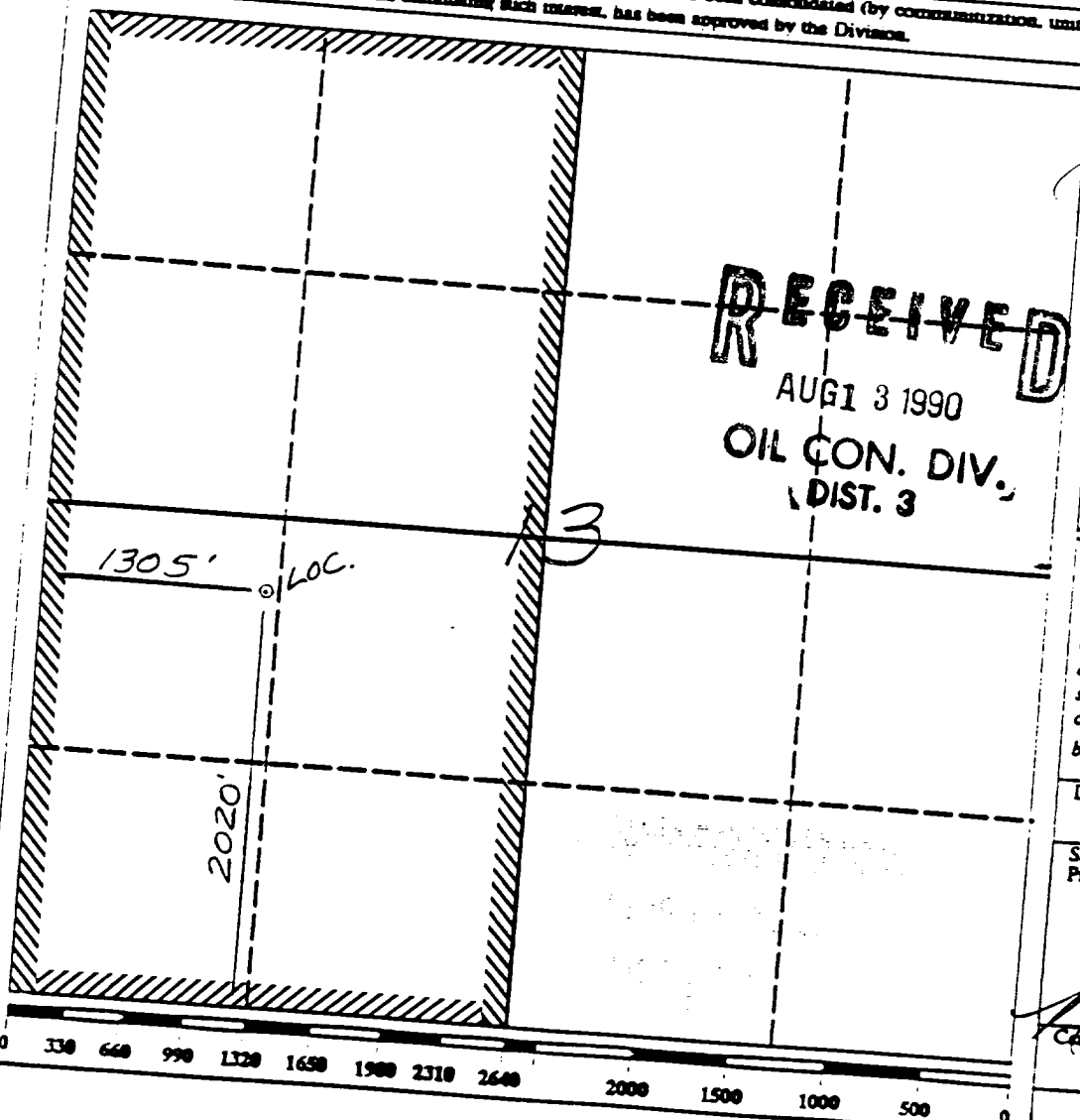
SURVEYOR CERTIFICATION

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.

Date Surveyed 10-16-89
Signature of Surveyor Neale C. Edwards

Professional Surveyor 357

Certificate No. 6857



Well Name: 521 SAN JUAN 29-7 UNIT
 Sec. 13 T29N R07W
 BASIN FRUITLAND COAL

2020' FSL 1305' FWL
 RIO ARriba NEW MEXICO
 Elevation 6248' GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 2125
 Kirtland- 2335
 Fruitland- 2840
 Fruitland Coal Top- 2895
 Fruitland Coal Base- 3099
 Pictured Cliffs- 3117

Total Depth- 3104

Logging Program: Mud logs from 2840 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3104	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 - 3104	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3104	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.

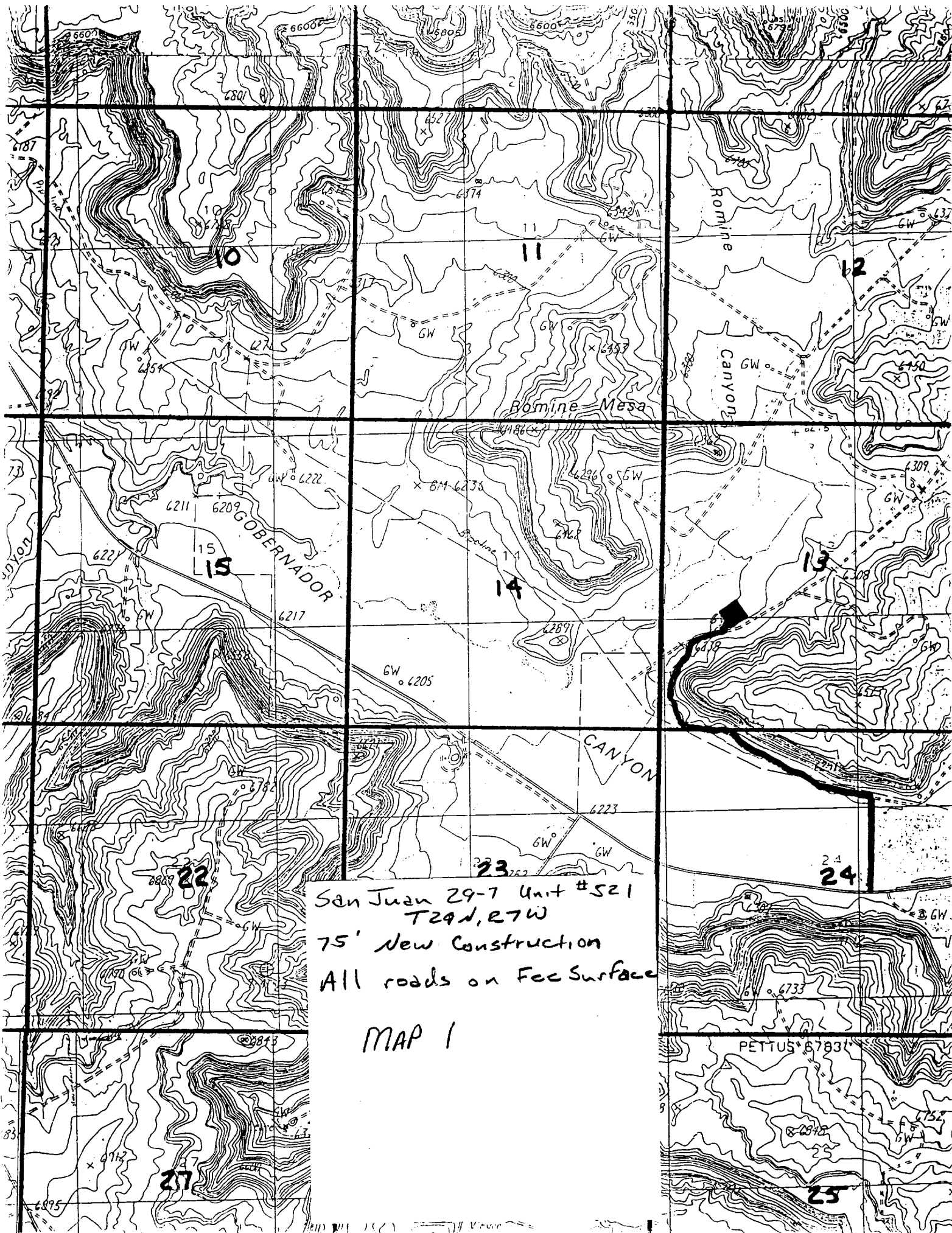
5 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2335'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 500 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. 1083 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 #521
T29N, R7W
75' New Construction
All roads on Fee Surface

MAP 1