

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-079250
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO.	7. UNIT AGREEMENT NAME SAN JUAN 28-5 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 28-5 UNIT
4. LOCATION OF WELL 1040'N 1100'E	9. WELL NO. 201
14. DISTANCE IN MILES FROM NEAREST TOWN 5 MILES FROM GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1040' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. A SEC. 15 T28N R05W NMPM
16. ACRES IN LEASE	12. COUNTY RIO ARRIBA
17. ACRES ASSIGNED TO WELL N 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 800' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ET) 6713'GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>[Signature]</i> REGULATORY AFFAIRS	
DATE: 6-7-89	

PERMIT NO. _____ APPROVAL DATE _____ APPROVED
AS AMENDED

APPROVED BY _____ TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3
JUN 21 1989
AREA MANAGER

NM000

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

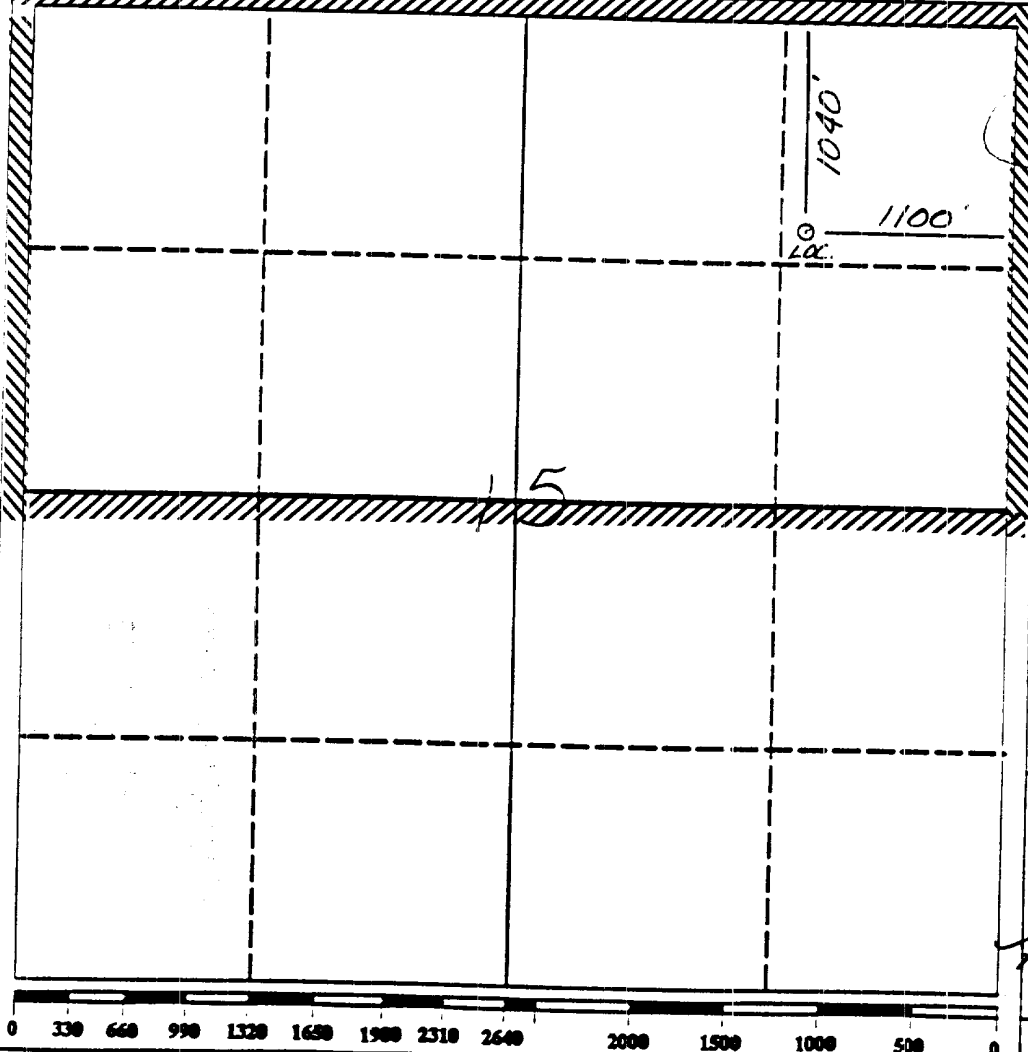
All Distances must be from the outer boundaries of the section

Operator El Paso Natural Gas			Lease (SF-079250) San Juan 28-5 Unit		Well No. 201
Unit Letter A	Section 15	Township 28 North	Range 5 West	County NMPM	Rio Arriba
Actual Footage Location of Well: 1040 feet from the North line and 1100 feet from the East line					
Ground level Elev. 6713'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 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
6-7-89
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.
5-9-89
Date Surveyed
Neale C. Edwards
Signature of Seeker of Professional Surveyor
6857
Certificate No.



Well Name: 201 SAN JUAN 28-5 UNIT 1040'N 1100'E
 Sec. 15 T28N R05W RIO ARriba NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6713'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2984
 Kirtland- 3120
 Fruitland- 3394
 Fruitland Coal Top- 3474
 Fruitland Coal Base- 3644
 Intermediate TD- 3454
 Total Depth- 3647
 Pictured Cliffs- 3650

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 - 3454	Non-dispersed	8.4 - 9.1	30-60	no control
	3454 - 3647	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 - 3454	7"	20.0#	K-55
	6 1/4"	3404 - 3647	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3647	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 12 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. 141 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.

BOP and Tests:

Surface to intermediate TD - 11" 3000 psi double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi for 30 minutes.

Intermediate TD to TD - 7 1/16" 3000 psi double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test rams to 2500 psi for 30 minutes.

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning.

Addition Information:

The Fruitland coal formation will be completed.

This gas is dedicated.

The N/2 of Section 15 is dedicated to this well.

Multi-Point Surface Use Plan
El Paso Natural Gas San Juan 28-5 Unit #201

1. Existing Road - Please refer to Maps No. 1 and 2 which show the existing roads. All existing and new roads will be properly maintained during the duration of this project.

All rights of way are in unit boundaries.

2. Planned Access Roads - Please refer to Map No. 2. The maximum grade of the access roads will be 2°. Approximately 1500 feet of road will be constructed that will not exceed twenty feet (20') in width. No additional turnarounds or turnouts will be required. Upon completion of the project, the access road will be adequately drained to control soil erosion. No culverts will be required to control drainage. No gates or cattleguards will be installed.
3. Location of Existing Wells - Please refer to Map No. 3.
4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines - Please refer to Maps No. 2 and 3. Map No. 3 shows the existing gas gathering lines. Map No. 2 shows the existing roads and new proposed access roads. All proposed production facilities are shown on the attached anticipated production facility plat.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project and will be obtained from San Juan 29-6 Water Hole at 28-29-06.
6. Source of Construction Materials - No additional materials will be required to build either the access road or the proposed location.

T-28 N
R-5 W
ST 28-5 UNIT
201

