

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079250
1b. TYPE OF WELL GAS SINGLE ZONE	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Mountain Oil Inc.</i>	7. UNIT AGREEMENT NAME SAN JUAN 28-5 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4990 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 28-5 UNIT
4. LOCATION OF WELL 790'N 1185'E	9. WELL NO. 204
14. DISTANCE IN MILES FROM NEAREST TOWN 2 MILES FROM GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. A SEC. 18 T28N R05W NMPM
16. ACRES IN LEASE 2453.70	12. COUNTY RIO ARRIBA
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1000' COMPL., OR APPLIED FOR ON THIS LEASE.	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
19. PROPOSED DEPTH 3597'	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6705'GL	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
22. APPROX. DATE WORK WILL START	

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]* CON. DIV. 3-17-89
REGULATORY AFFAIRS DIST. 3 DATE

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

APR 1 0 1989
Linda Rundell
AREA MANAGER

OPERATIONS PLAN

DATE: MAR 14,1989

Well Name: 204 SAN JUAN 28-5 UNIT 790'N 1185'E
Sec. 18 T28N R05W RIO ARriba NEW MEXICO
BASIN FRUITLAND COAL Elevation 6705'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 2829
Kirtland- 3006
Fruitland- 3335
Fruitland Coal Top- 3485
Fruitland Coal Base- 3597
Intermediate TD- 3465
Total Depth- 3597
Pictured Cliffs- 3599

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

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 - 3465	7"	20.0#	K-55
	6 1/4"	3415 - 3597	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3597	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 liner - 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#
floccle/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 38 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.
191 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.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with
blind and pipe rams will be used for blow out prevention on this well.
This gas is dedicated.

The N/2 of Section 18 is dedicated to this well.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10

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

Operator <i>Meridian Oil Inc.</i> El Paso Natural Gas		Lease San Juan 28-5 Unit (SF-079250)		Well No. 204
Unit Letter A	Section 18	Township 28 North	Range 5 West	County Rio Arriba
Actual Footage Location of Wells 790 feet from the North line and 1185 feet from the East line				
Ground Level Elev. 6705	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 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 interests, has been approved by the Division.

CERTIFICATION

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

Samuel J. Edwards
Name
Regulatory Affairs

Position
El Paso Natural Gas

Company
3-17-89

Date

I hereby certify that the information shown on this plat was prepared from notes of actual survey made by me or under my supervision, and that it is true and correct to the best of my knowledge and belief.

Neale C. Edwards
Date Surveyed

11-3-88

Registered Professional Engineer
and/or Land Surveyor

Neale C. Edwards

Certificate No.

6857



