

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC-7, 1992

OIL CON. DIV.

30-045-28868 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG DIST. 3

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078439
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC. 14538	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME JOHNSTON FEDERAL 7208
4. LOCATION OF WELL 790' FNL 790' FWL	9. WELL NO. 277R
14. DISTANCE IN MILES FROM NEAREST TOWN 4 MI. NW NAVAJO DAM P.O.	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 71629
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. D SEC. 12 T30N R09W NMPM
16. ACRES IN LEASE 2,434.230	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL W/320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1800' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2608'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 5835' GL
22. APPROX. DATE WORK WILL START 20 OCT 14 AM 9:30	23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN
24. AUTHORIZED BY: [Signature] REG. DRILLING ENGR.	25. DATE 9/15/92

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

APPROVED
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. DEC 03 1992

ARCH REPORT SUBMITTED 09/03/92
WILDLIFE REPORT SUBMITTED 09/02/92

NMOCD

AREA MANAGER

C-104 For NSL @

Subject to Appropriation
District Office
State Lands - 4 copies
Fee Lands - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-182
Revised 1-1-99

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

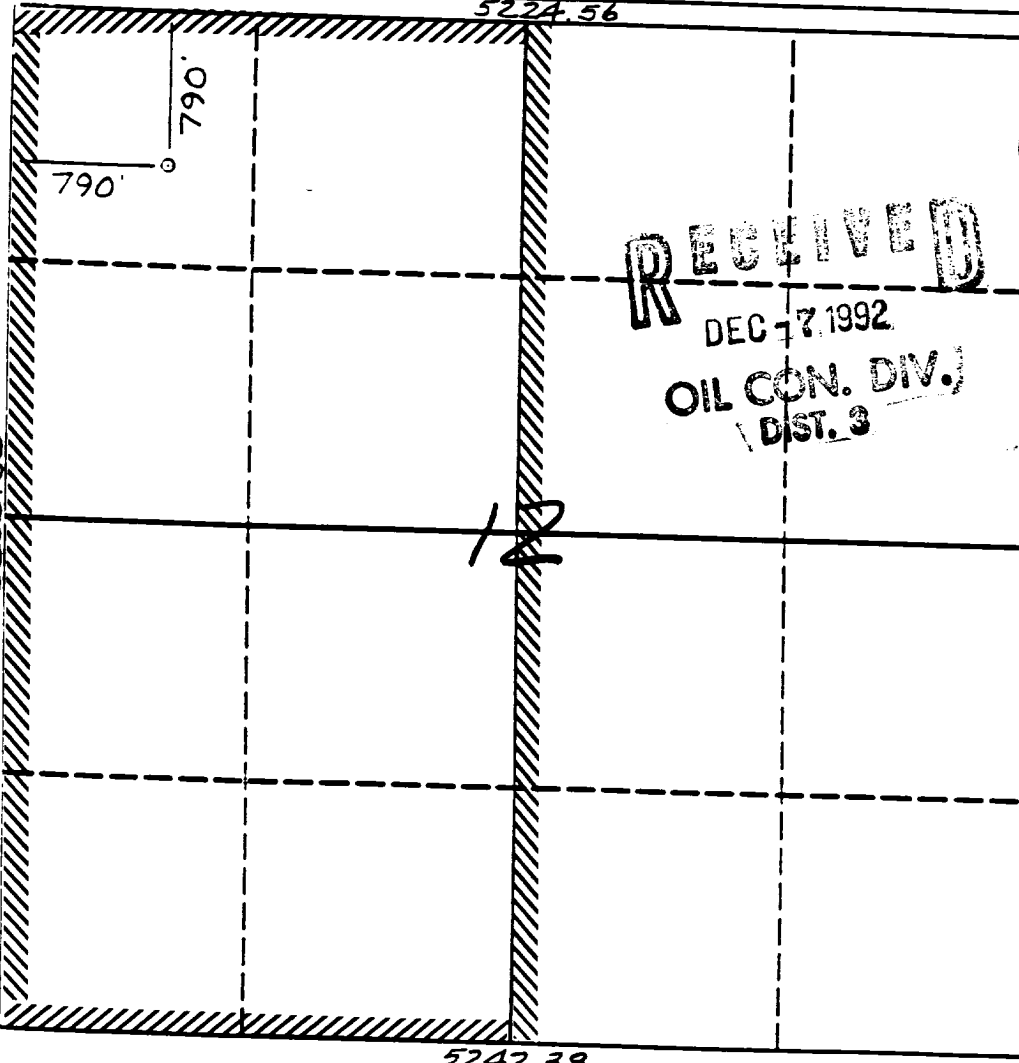
DISTRICT II
P.O. Drawer 00, Artesa, NM 88210

DISTRICT III
1000 Rio Grande Rd., Alamo, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Johnston Federal		Well No. 27816
Unit Letter D	Section 12	Township 30 North	Range 9 West	County San Juan
Actual Footage Location of Well: 790 feet from the North line and 790 feet from the West line.				
Ground level Elev. 5835'	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 considered by communitization, insurance, force-pooling, etc.? ☐ Yes ☐ No If answer is "yes" type of consideration _____ If answer is "no" list the owners and trust descriptions which have actually been considered. (Use reverse side of this form if necessary.) No allowable well be assigned to the well until all interests have been considered (by communitization, insurance, 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	Meridian Oil Inc.
Date	9-9-92
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.	
Date Surveyed	7-23-92
Signature	C. EDWARDS
Printed Name	C. EDWARDS
Position	Professional Surveyor
Certificate No.	6857

OPERATIONS PLAN

Well Name: Johnston Federal #270
Location: 790'FNL, 790'FWL, Section 12, T-30-N, R-9-W
 San Juan County, New Mexico
Formation: Basin Fruitland Coal
Elevation: 5835'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1317'	
Ojo Alamo	1317'	1515'	aquifer
Kirtland	1515'	2287'	
Fruitland	2287'	2363'	
Fruitland Coal Top	2363'	2603'	gas & salt water
Pictured Cliffs	2613'		
Total Depth	2608'		

Logging Program: Mud logs from intermediate to Total Depth.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2323'	Non-dispersed	8.4-9.1	30-60	no control
2323-2608'	Formation Water	8.4		no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2323'	7"	20.0#	K-55
6 1/4"	2173' - 2608'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 2608'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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 guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1515'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and 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 3/8" x 11" 3000 psi xmas tree assembly.