

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28848
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
NOV 19 1992

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL
GAS

5. LEASE NUMBER
SF-078439

6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR
MERIDIAN OIL INC.

OIL CON. DIV.
DIST. 3

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

9. WELL NO.
22R

4. LOCATION OF WELL
2200' FNL 870' FEL

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.
H SEC. 33 T31N R09W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
10 MI. NAVAJO DAM P.O.

12. COUNTY
SAN JUAN

13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION 870'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
2,434.23 316.40

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 360'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
3008' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6200' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY:

REG. DRILLING ENGR.

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

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

ARCH REPORT SUBMITTED 07/10/92
WILDLIFE REPORT SUBMITTED 07/15/92

INMOCD

APPROVED
AS AMENDED

NOV 16 1992

AREA MANAGER

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-182
Revised 1-1-89

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

DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Arama, NM 88210

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

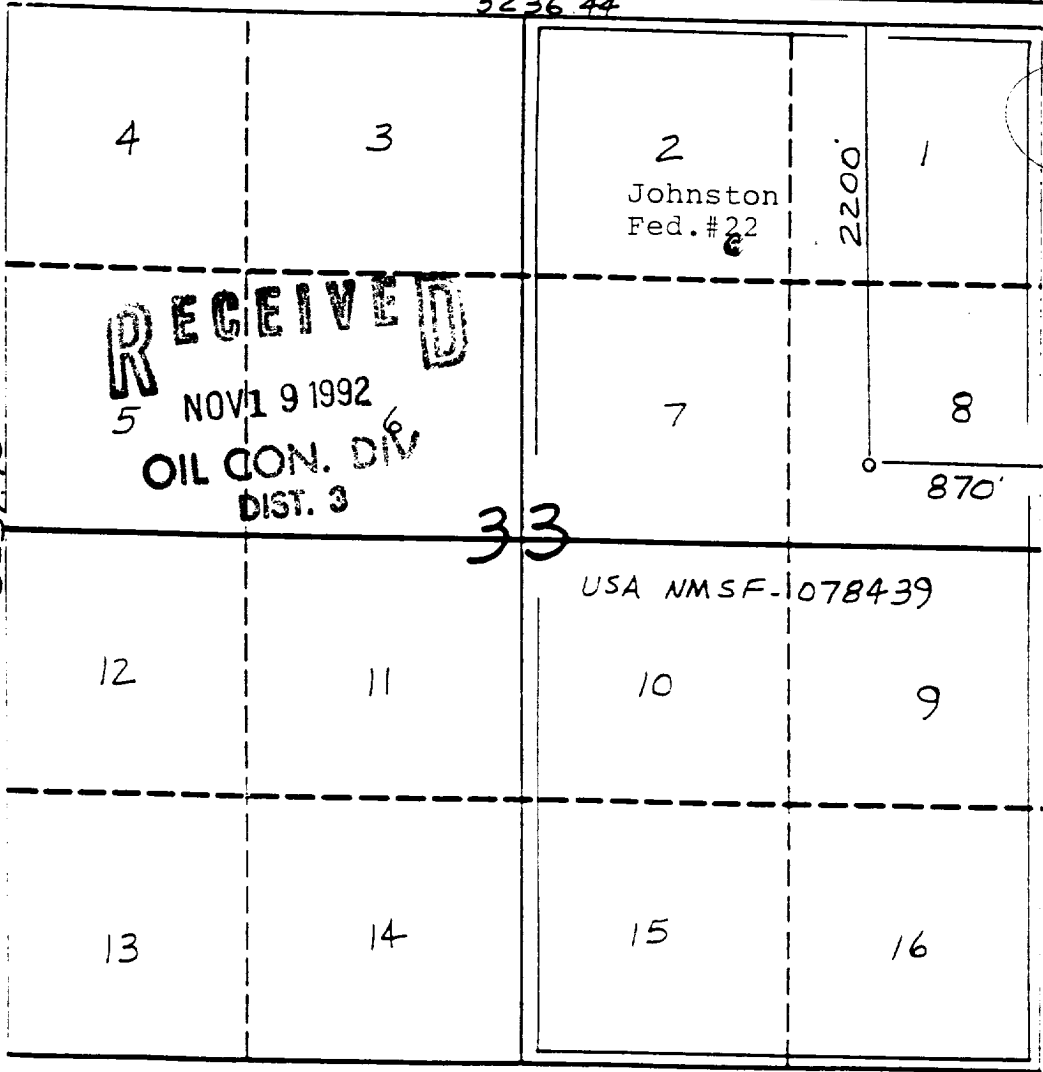
WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator: Meridian Oil Inc. Lease: Johnston Federal Well No: 22R
U.S. Letter: H Section: 33 Township: 31 North Range: 9 West County: San Juan

Actual Footage Location of Well: 2200 feet from the North line and 870 feet from the East line
Ground level Elev. 6200' Producing Formation: Fruitland Coal Pool: Basin Fruitland Coal Dedicated Acreage: 316.40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or inkline 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: _____
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.

RECEIVED
BLM
NOV 19 1992
FARMING



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: 11-16-92

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: 6-18-92
Signature: C. Edwards
Printed Name: C. Edwards
Position: Professional Surveyor
License No: 3337
Cadastral No: 6857

OPERATIONS PLAN

Well Name: Johnston Federal #22R
Location: 2200'FNL, 870'FEL Section 33, T-31-N, R-9-W
 San Juan County, New Mexico
Formation: Basin Fruitland Coal
Elevation: 6200'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1687'	aquifer
Ojo Alamo	1687'	1800'	aquifer
Kirtland	1800'	2656'	shale
Fruitland	2656'	2677'	gas
Fruitland Coal Top	2677'	3006'	gas & salt water
Pictured Cliffs	3019'		gas
Total Depth	3008'		

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
200-2647'	Non-dispersed	8.4-9.1	30-60	no control
2647-3008'	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#	K-40
8 3/4"	0' - 2647'	7"	20.0#	K-55
6 1/4"	2497' - 3008'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 3008'	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 @ 1800'. 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 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 160 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (189 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi/30 minutes.

7" intermediate casing - lead w/383 sacks 65/35 Class "B" Pozmix with 6% gel, 2% calcium chloride, and 1/4#/sack flocele. Tail with 100 sacks Class "B" neat or 2% calcium chloride (796 cu.ft., 100% excess to circulate to surface).

