

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 15

1a. TYPE OF WORK  
PLUG BACK

1b. TYPE OF WELL  
GAS

2. OPERATOR  
MERIDIAN OIL INC.

3. ADDRESS & PHONE NO. OF OPERATOR  
P.O. BOX 4289  
FARMINGTON, NM 87499  
(505) 326-9700

4. LOCATION OF WELL  
1650' FSL; 1550' FWL

5. LEASE NUMBER  
SF-078138

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
MORRIS A

9. WELL NO.  
10

10. FIELD, POOL, OR WILDCAT  
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.  
SEC. 22, T30N, R11W

12. COUNTY  
SAN JUAN

13. STATE  
NM

14. DISTANCE IN MILES FROM NEAREST TOWN

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

16. ACRES IN LEASE

17. ACRES ASSIGNED TO  
320

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

19. PROPOSED DEPTH

20. ROTARY OR CABLE TO

21. ELEVATIONS (DF, FT, GR, ETC.)  
5816' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN MAR 26 1990

24. AUTHORIZED BY: *[Signature]* (CJS)  
REGULATORY AFFAIRS

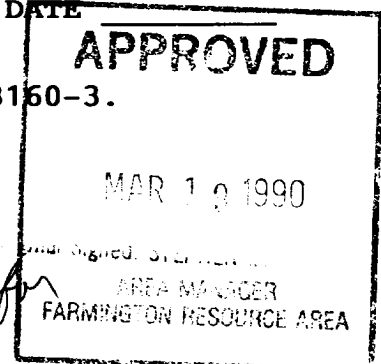
OIL CON. DIV  
DIST. 3

*3-13-90*  
DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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





EX-100  
VIA AIR MAIL  
C. 1927

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 Brancos 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 Morris A (SF-078138)		Well No. 10
Unit Letter K	Section 22	Township 30N	Range 11W	County NMPM	San Juan
Actual Footage Location of Well: 1650 feet from the South line and 1550 feet from the West line					
Ground level Elev. 5816'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres	

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

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.

Note: not resurveyed  
taken from survey by  
David O. Vilven  
1-22-74

RECEIVED  
MAR 25 1990

OIL CON. DIV  
DIST. 2

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:

3-13-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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: *3-13-90*

Signature of Surveyor: *Neale O. Edwards*

Professional Surveyor No. 857

REGISTERED LAND SURVEYOR

Certificate No.

6857

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Morris A #10  
Procedure to Recomplete Fruitland Coal

1. Check location anchors.
2. MOL and rig up daylight pulling unit with rip pump and blow tank.
3. Kill PC with water as needed.
4. Run GR-CCL. Set cast iron bridge plug at 2195'.
5. Pressure test casing to 4000 psi for 15 minutes.
6. Perforate the Fruitland Coal interval.
7. Pick up retrievable bridge plug and packer. TIH on 1 13/16" drillpipe. Isolate each coal interval and breakdown.
8. Fracture stimulate well.
9. Open well through variable choke and flow back slowly.
10. Nipple up Bowen BOP. TIH with 1 1/4" tubing with expendable check on bottom. Blow well with air.
11. Obtain and record gauges. When returns dry up, TOOH with 1 1/4" tubing.
12. TIH with 1 1/4" 2.33# IJ tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 2180'. Nipple down BOP. Nipple up wellhead.

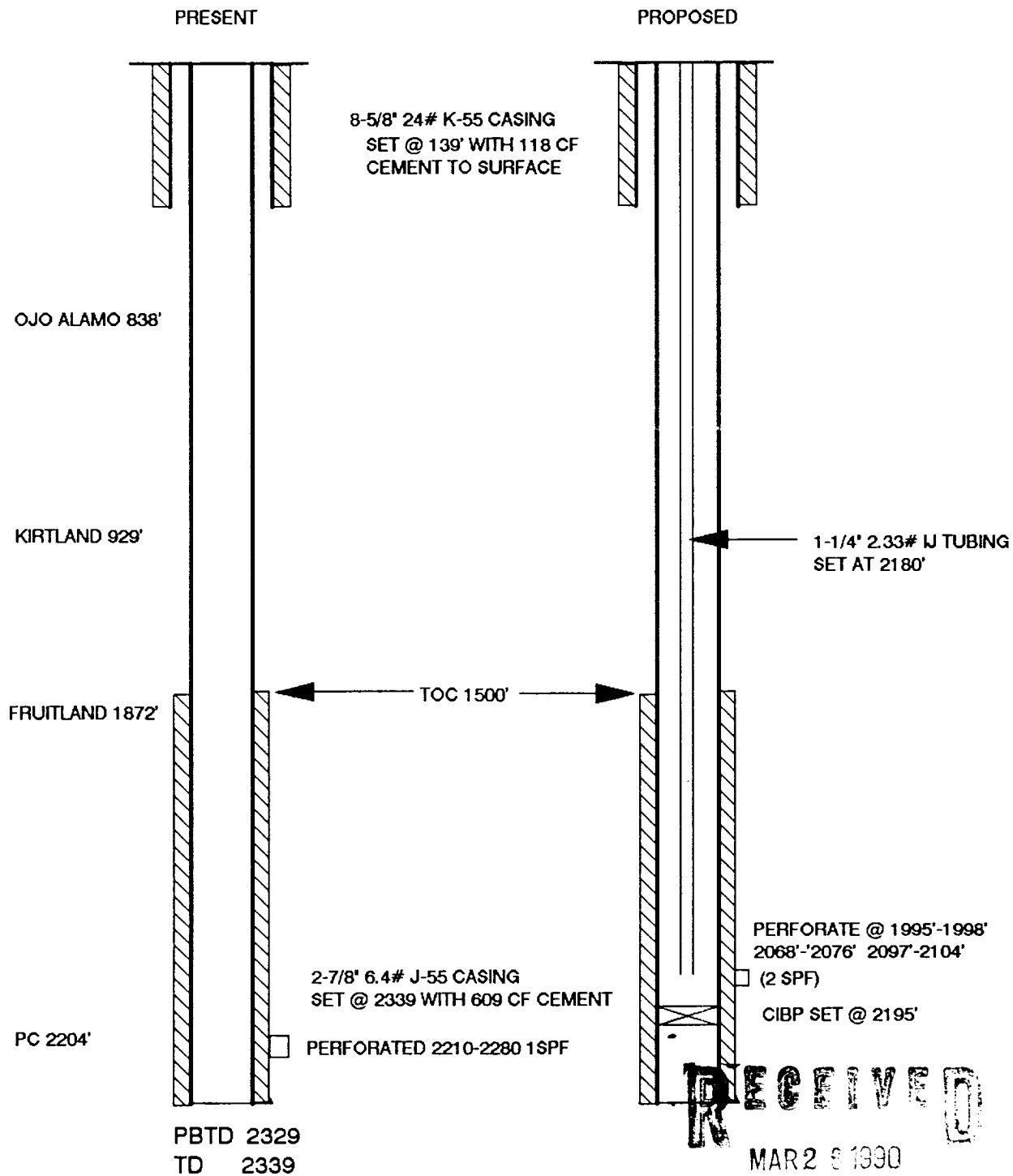
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MAR 26 1990  
OIL CON. DIV.  
DIST. 3

**SECRET**

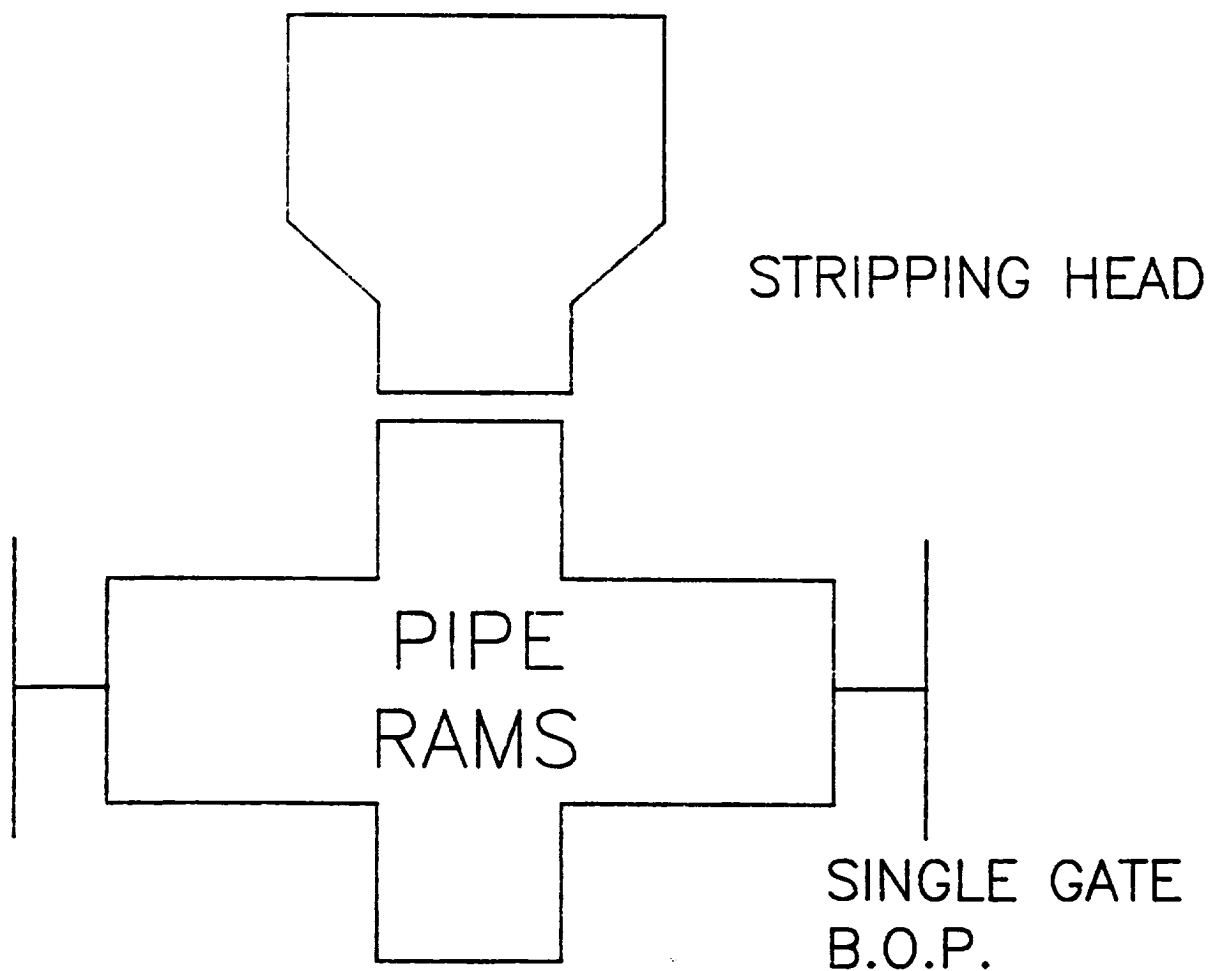
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5 270

MORRIS A #10  
WELLBORE DIAGRAMS

UNIT K SECTION 22 T-30N R-11W  
FRUITLAND COAL RECOMPLETION



# WORKOVER / RECOMPLETION B. O. P. SCHEMATIC



MINIMUM: 2 7/8" 1500 PSI SINGLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD  
PRESSURE IS LESS THAN 1500 PSI

MAR 2 1988

OIL CON. DIV.

DIST. 1