

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

OCT 17 1990

OIL CON. DIV.

DIST. 3

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER NM-029146
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P.O. BOX 4289 FARMINGTON, NM 87499 (505) 326-9700	8. FARM OR LEASE NAME SAN JUAN
4. LOCATION OF WELL 1738' FSL, 826' FWL	9. WELL NO. #23
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. 2 SEC. 33, T29N, R09W
16. ACRES IN LEASE	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 6230' DF 6.218	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>[Signature]</i> (CJS) REGULATORY AFFAIRS	9-25-90 DATE

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.
(NO ADDITIONAL DIRT WORK WILL BE REQUIRED)

APPROVED
OCT 03 1990
Ken Townsend
FOR 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-102
Revised 1-1-88

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 Brazos 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 San Juan		Well No. 23
Unit Layer L	Section 33	Township 29 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 1738' feet from the South line and 826 feet from the West line					
Ground level Elev. 6218'		Producing Formations Mesa Verde/ Crittland Coal	Pool Blanco/ 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 consolidated by commutation, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation:
If answer is "no" list the owners and their descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable well be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Prepared from plat
By: Ernest V. Echohawk
Dated: Jan. 3, 1958

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: 9-25-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes and actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed: 9-24-90

Signature: *Neale A. Edwards*
Professional Surveyor



Commission: Neale A. Edwards

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OIL CON. DIV.
DIST 3

826'

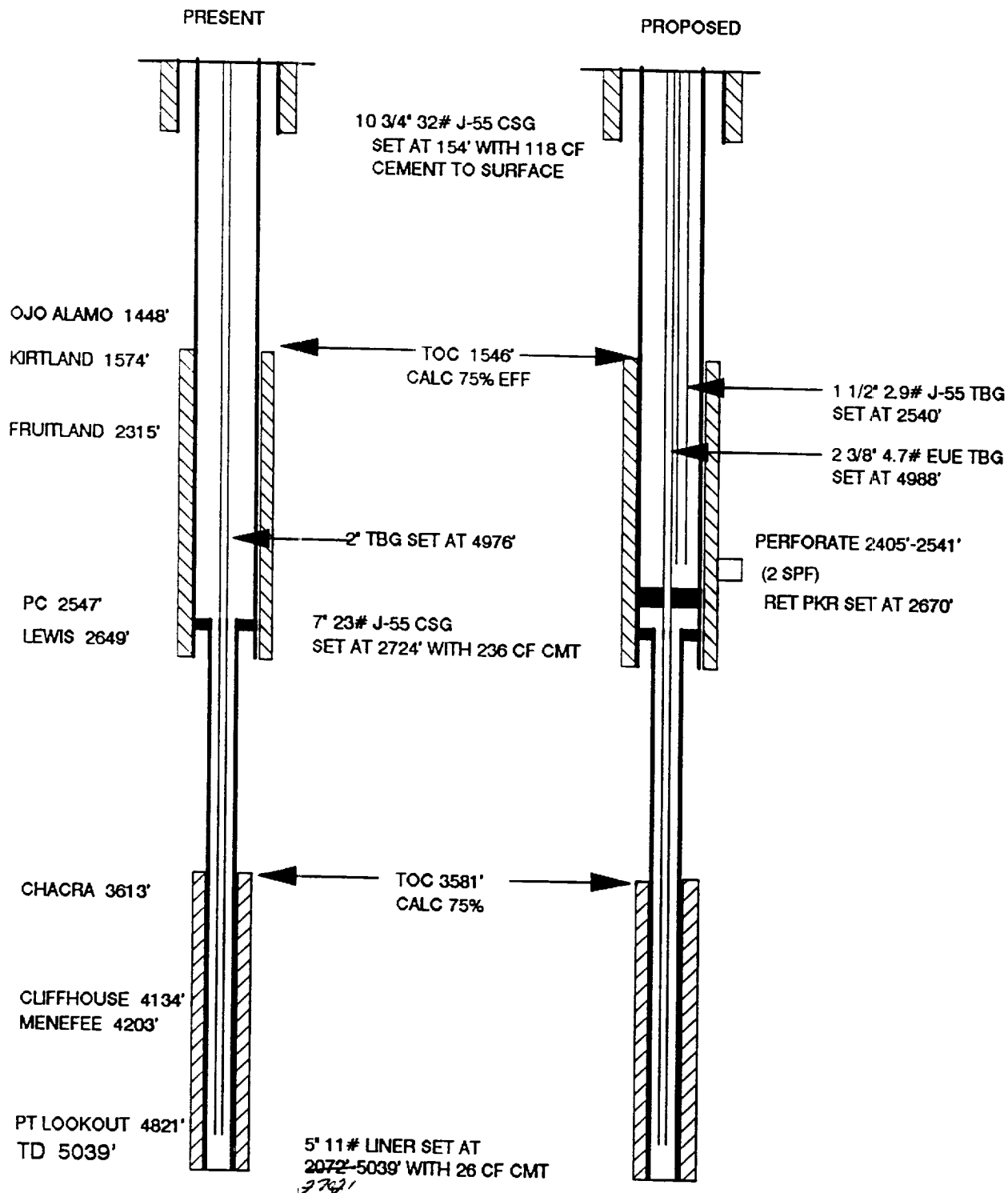
1738'

0 300 600 900 1200 1500 1800 2100 2400

2000 1500 1000 500 0

SAN JUAN #23 WELLBORE DIAGRAMS

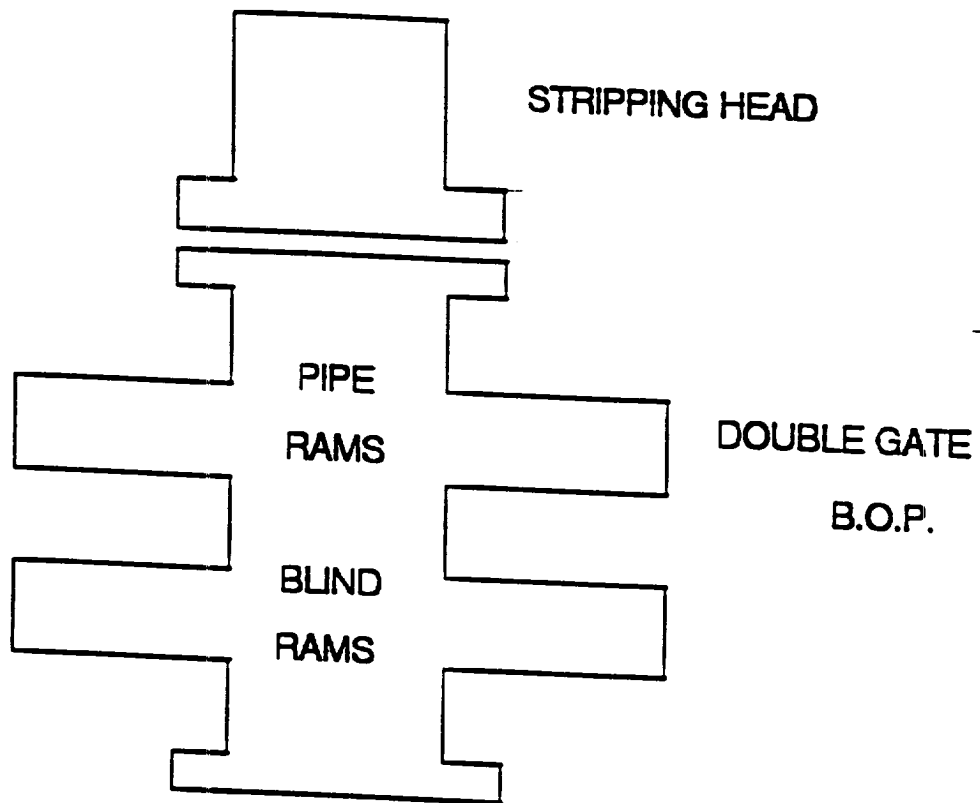
UNIT L SECTION 33 T29N-R09W
FRUITLAND COAL RECOMPLETION
DUAL COMPLETE WITH MESAVERDE



San Juan #23
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 MV with water as needed. ND wellhead. NU BOP. TOOH with 2 3/8" tubing.
4. Set retrievable bridge plug at 2085'. Run CBL-CNL-GR-CCL.
5. Pressure test casing to 2500 psi for 15 minutes.
6. Perforate the Fruitland Coal interval.
7. Pick up retrievable bridge plug and packer. TIH on 2 3/8" tubing. Isolate each coal interval and breakdown. TOOH.
8. Fracture stimulate coal formation.
9. TIH with 2 3/8" tubing with expendable check on bottom. Blow well with air.
10. Obtain and record gauges. When returns dry up, TOOH with 2 3/8" tubing.
11. Retrieve bridge plug. TIH with 2 3/8" tubing and production packer. Set packer at 2670' and land MV tubing at 4988.
12. TIH with 1 1/2" tubing and land Fruitland Coal tubing at 2540'.
13. Nipple down BOP. Nipple up wellhead.

WORKOVER / RECOMPLETION B.O.P. SCHEMATIC



MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.
MAXIMUM ANTICIPATED SHUT-IN WELLHEAD
PRESSURE IS LESS THAN 2000 PSI