

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER SF-078092
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 DOUTHIT C FED
4. LOCATION OF WELL 1850' FSL; 790' FWL	9. WELL NO. 2
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. L SEC. 27, T27N, R11W
	12. COUNTY SAN JUAN
	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	16. ACRES IN LEASE
	17. ACRES ASSIGNED TO WELL 320.00
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH
	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 6350' GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

24. AUTHORIZED BY: *Regina Stalder* (JBK) **RECEIVED** *7-17-90*  
REGULATORY AFFAIRS AUG 20 1990 DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_ OIL CON. DIV. 1  
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

AUG 15 1990

NMOCD

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 1-1-89

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, Artesa, NM 88210

DISTRICT III  
1000 Rio Brizos 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 (SF-078092) Mouthit C Federal		Well No. 2
Unit Letter L	Section 27	Township 27 North	Range 11 West	County San Juan	
Actual Footage Location of Well: 1850 feet from the South line and 790 feet from the West line					
Ground level Elev. 6350'	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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Prepared from plat  
By: James P. Leese  
Dated: Feb. 25., 1961

RECEIVED  
JUN 20 1990  
OIL CON. DIV  
DIST. 3

OPERATOR CERTIFICATION

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

Signature: *Peggy Bradford*

Printed Name  
Peggy Bradford

Position  
Regulatory Affairs

Company  
Meridian Oil Inc.

Date  
7-17-90

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  
7-16-90

Signature of Surveyor

Professional Seal



Certificate No. 6857  
Neale C. Edwards

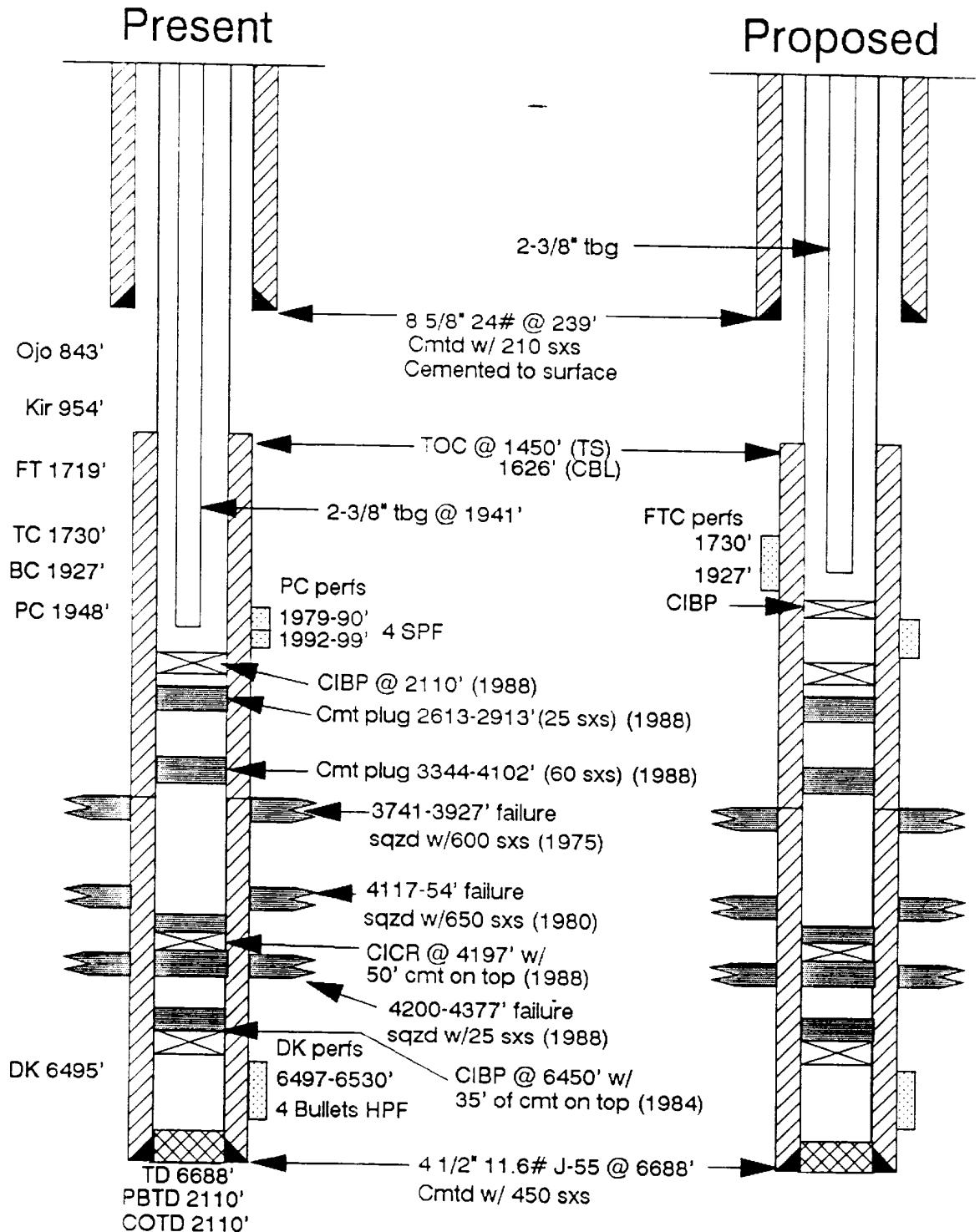
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

**Douthit C Federal #2  
Recompletion Procedure**

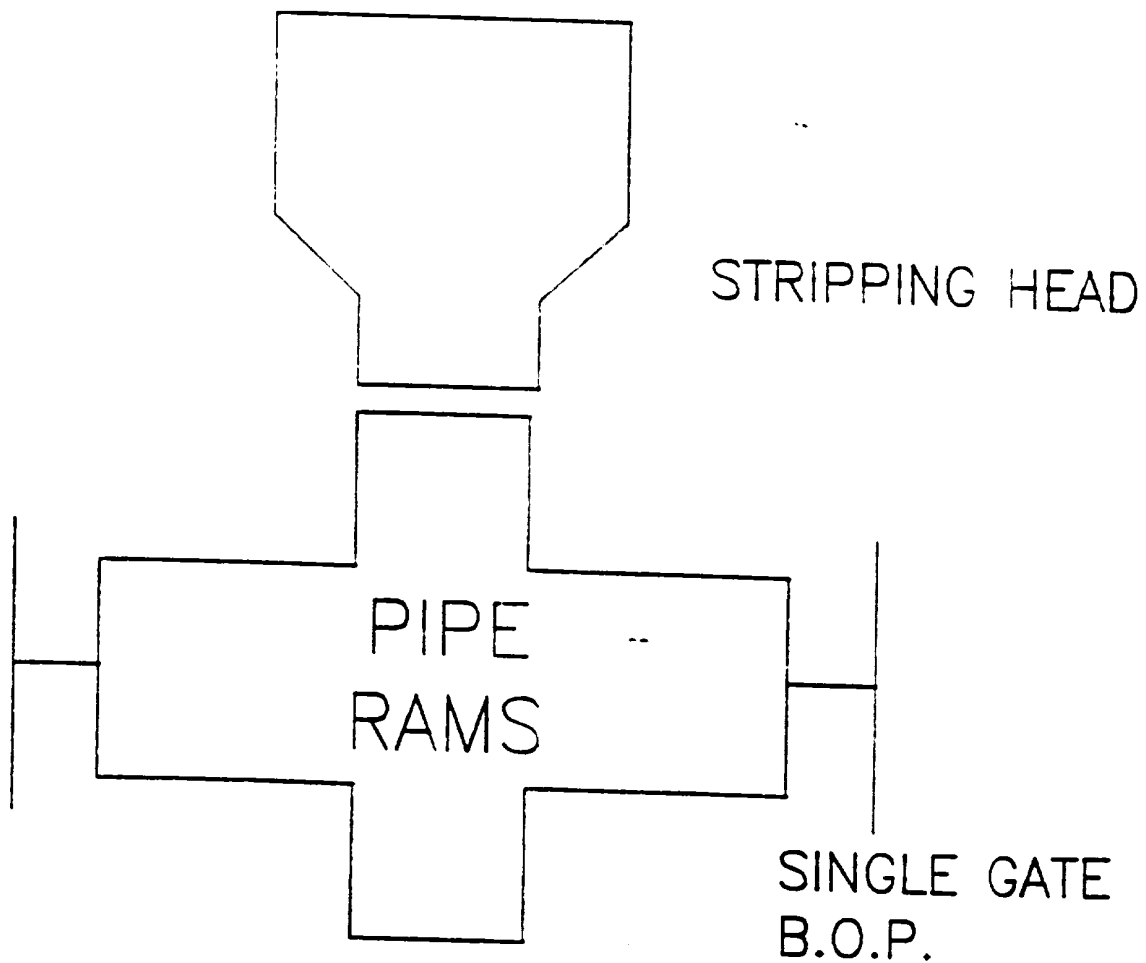
1. Check location anchors and install or repair as needed.
2. MIRU. Hold safety meeting. Place fire and safety equipment in strategic locations. Install blow lines. Kill well with water if necessary.
3. ND WH, NU BOP. TOOH with 1941' of 2-3/8" tubing. Inspect and replace tubing as needed. TIH with 2 3/8" tubing and 4 1/2", 11.6# casing scraper and CO to top of PC perforations at 1979'.
4. Set a CIBP at 1960'. Pressure test casing and BP to 500 psi for 15 minutes. If test does not hold, locate failure and a repair will be evaluated.
5. TIH with tubing open ended. Pump 2 gallons corrosion inhibitor then 150 gallons 15% HCL followed by one sack of sand down the tubing. When sand has reached the bottom of the tubing, reverse circulate. Observe returns. CO to PBTD. Load hole with 2% KCl water. Swab water level to 1500' for initial perforation run. TOOH.
6. RU wireline unit. Run GR-CCL-SNL from PBTD to 1600'. Pick perforations from log.
7. Perforate coal intervals picked from logs.
8. TIH with tubing and straddle packer. Breakdown perforations with 7 1/2% HCL.
9. If possible, flow well for 15 minutes immediately after breaking down the last set of perforations. TOOH. Proceed to clean well up promptly after the acid wash.
10. TIH with 2 3/8" tubing with SN one joint off bottom. Land tubing one joint off bottom. Swab well in.
11. ND BOP. NU WH. RDMO.
12. Record rate after 30, 45 and 60 minutes of production.
13. Evaluate well's performance for possible fracture stimulation.

# Douthit C Fed #2 Fruitland Coal Recompletion

Elev: 6350' GR



# 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