

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

JUN 6 1990

OIL CON. DIV.  
DIST. 3

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER SF-077382
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 HARGRAVE
4. LOCATION OF WELL 990' FSL; 1150' FEL	9. WELL NO. 3
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. p SEC. 16, T27N, R10W
	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.) 6052' GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>Regina Bracero</u> (CJS) REGULATORY AFFAIRS	<u>5-24-90</u> 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

MAY 24 1990

Ken Townsend  
FOR AREA MANAGER

MMOCD

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 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 Hargrave (SF-0770002)		Well No. 3	
Unit Letter F	Section 16	Township 27 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 990 feet from the South line and 1150 feet from the East line					
Ground level Elev. 5153'		Producing Formation Fruitland Coal		Pool Basin	
				Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or inclusive 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 communitization agreement will be obtained

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).

No acreage 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.

Prepared from a plat  
dated 08-21-51 by  
C. O. Walker

RECEIVED

JUN 6 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 Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date

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.

5-23-90

Date Surveyed

Signature  
Professional



Certified

Neale C. Edwards

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

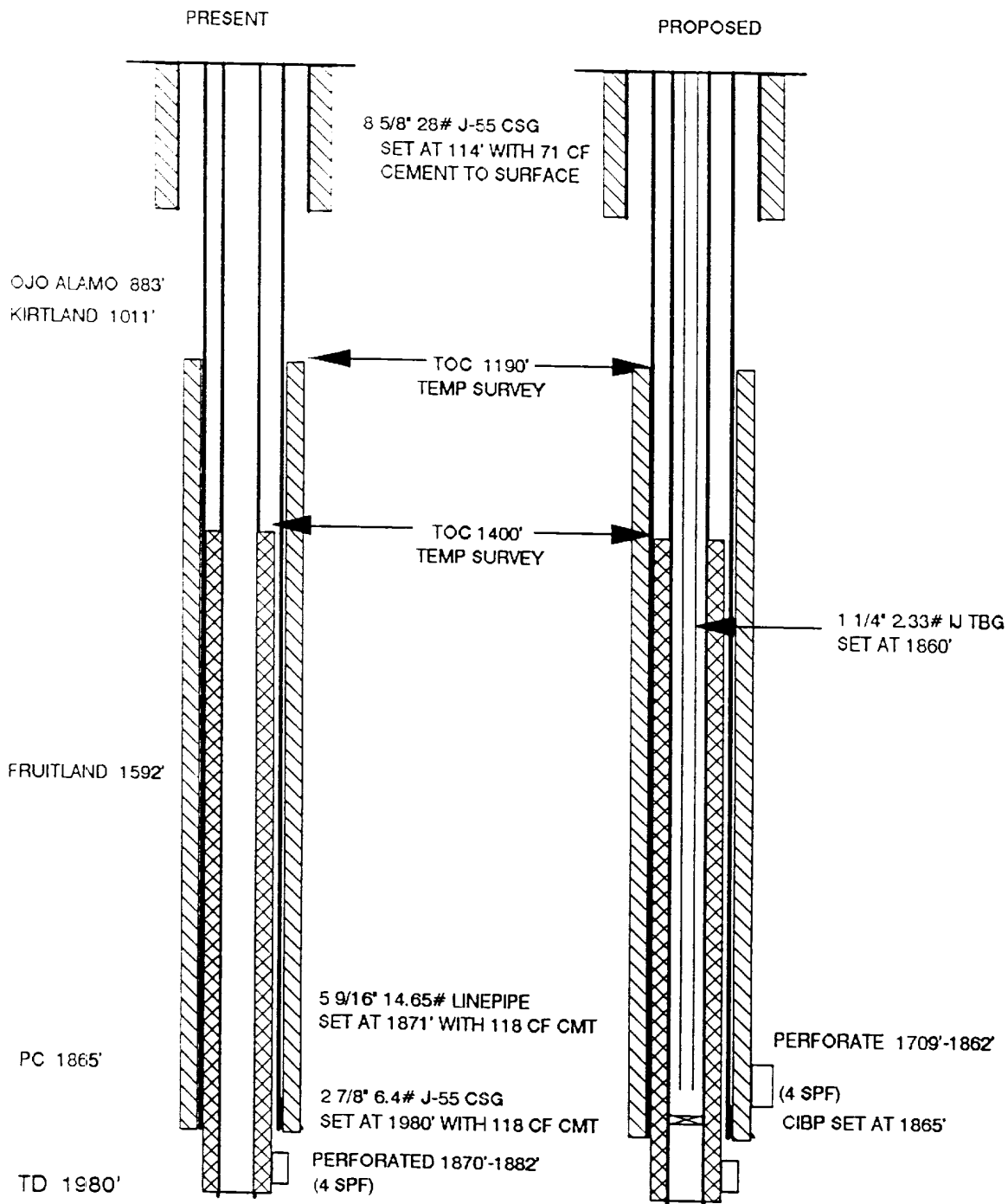
Hargrave #3  
Procedure to Recomplete Fruitland Coal

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 CNL-GR-CCL. Set cast iron bridge plug at 1865'.
5. Pressure test casing to 750 psi for 15 minutes.
6. Perforate the Fruitland Coal interval.
7. NU Bowen BOP. Pick up retrievable bridge plug and packer. TIH on 1 13/16" drillpipe. Isolate each coal interval and breakdown. TOOH.
8. TIH with 1 1/4" tubing with expendable check on bottom. Blow well with air.
9. Obtain and record gauges. When returns dry up, TOOH with 1 1/4" tubing.
10. TIH with 1 1/4" 2.33# EUE tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 1860'. Nipple down BOP. Nipple up wellhead.

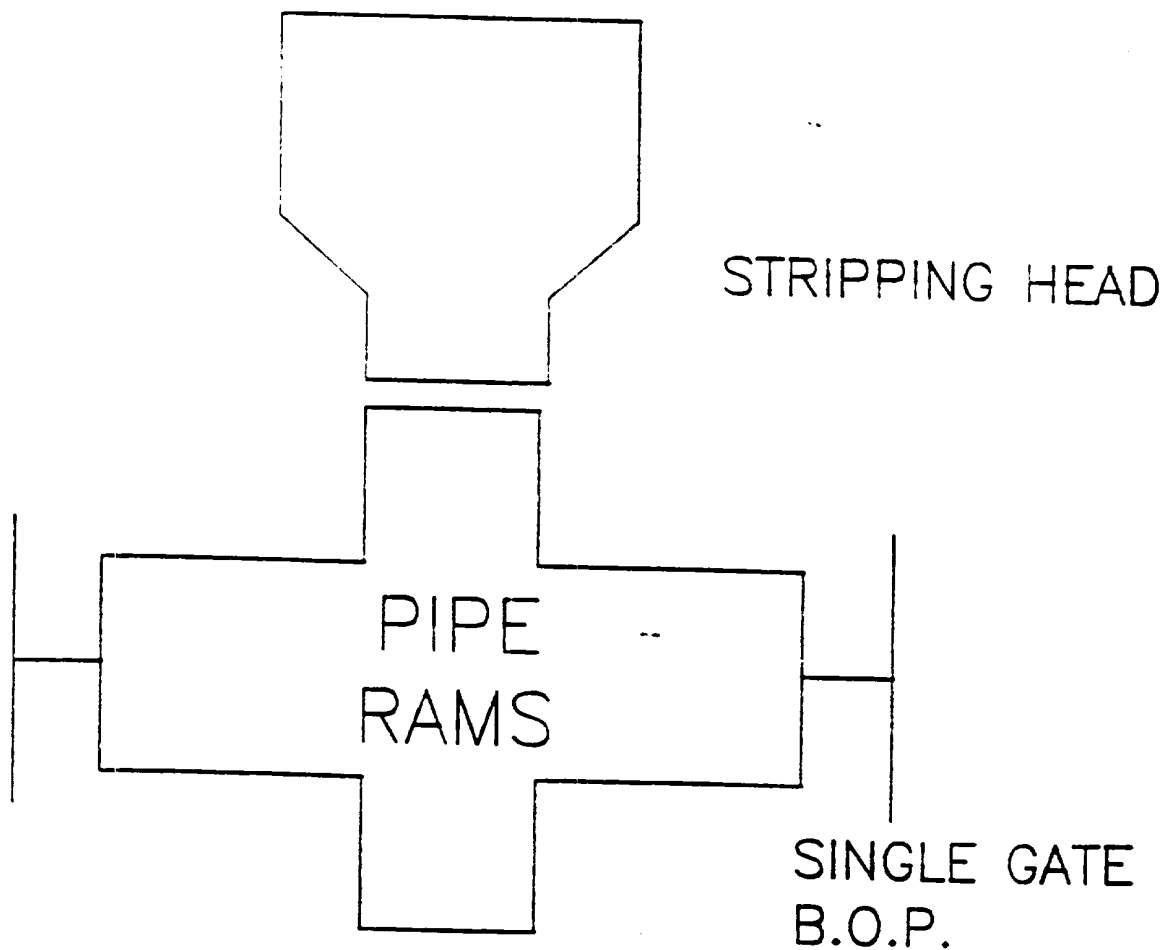
# HARGRAVE #3

## WELLBORE DIAGRAMS

UNIT P SECTION 16 T27N-R10W  
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