

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		<b>RECEIVED</b> JUN 6 1990	5. LEASE NUMBER USA-SF-077383-A	
1b. TYPE OF WELL GAS			6. IF INDIAN, ALL. OR TRIBE NAME	
2. OPERATOR MERIDIAN OIL INC. <b>OIL CON. DIV.</b> <b>DIST. 3</b>			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 KUTZ DEEP TEST	
4. LOCATION OF WELL 990' FSL; 1650' FEL			9. WELL NO. 1	
14. DISTANCE IN MILES FROM NEAREST TOWN			10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	
			11. SEC. T. R. M OR BLK. SEC. 21, <del>T20N</del> , R10W	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.			12. COUNTY SAN JUAN	
16. ACRES IN LEASE			13. STATE NM	
17. ACRES ASSIGNED TO WELL				
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.			320.00	
19. PROPOSED DEPTH			20. ROTARY OR CABLE TOOLS	
21. ELEVATIONS (DF, FT, GR, ETC.) 6129' DF			22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM				
*SEE OPERATIONS PLAN				
24. AUTHORIZED BY: <i>[Signature]</i> (SHL) REGULATORY AFFAIRS				
5-24-90 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

MAY 29 1990  
Ken Townsend  
AREA MANAGER

*Hand c-104 For use & c-104*  
*[Signature]*  
MOCD

Submit to Appropriate  
District Office  
State Leases - 4 copies  
Fee Leases - 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 Kutz Deep Test (SF-077383A)			Well No. 1		
Unit Letter C	Section 21	Township 28 North	Range 10 West	County San Juan				
Actual Footage Location of Well: 990 feet from the South line and 1650 feet from the East line								
Ground level Elev. 6124'		Producing Formation Fruitland Coal			Pool Basin		Dedicated Acreage: 320 Acres	

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

Prepared from a plat  
dated 8-17-51 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

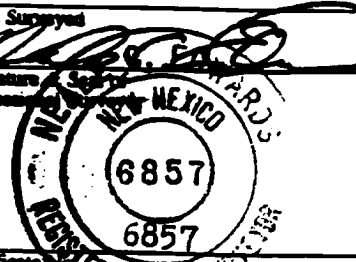
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes 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. 5-23-90

Date Surveyed

Signature

Professional



Certificate

Neale C. Edwards

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

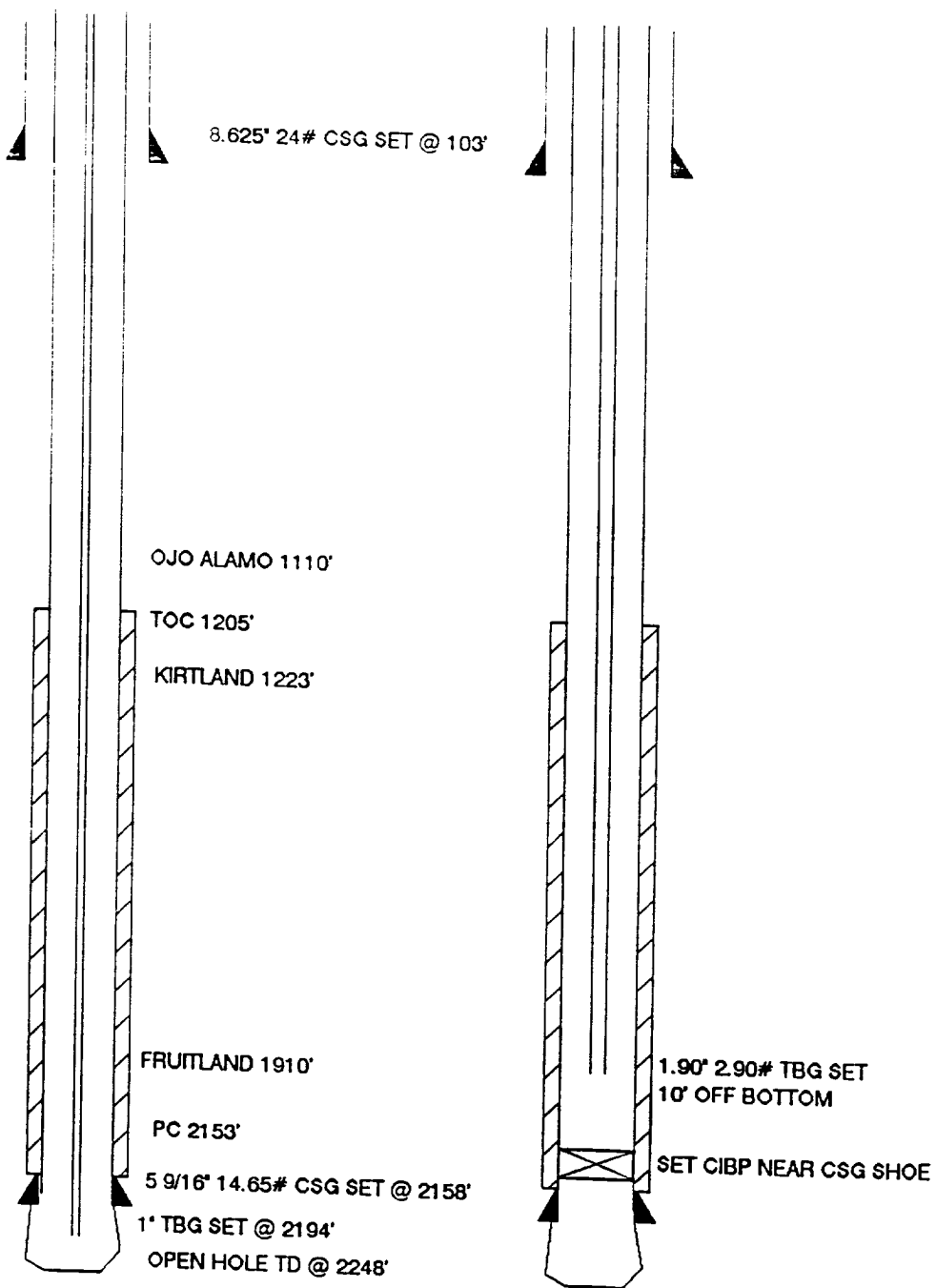
RECOMPLETION PROCEDURE  
KUTZ DEEP TEST #1

1. MOL and RU. ND wellhead. NU BOP. Load hole with water.
2. TOOH with tubing.
3. Run GR-CCL-CNL. Pick perforations from log.
4. Set a 5 1/2" CIBP as close to the bottom Fruitland coal perforation as possible. Pressure test casing to 1000 psi for 15 minutes.
5. Perforate coal. Projected zones to be selected from CNL log run.
6. TIH with 2 3/8" tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight.
7. TIH with 1 1/2" tubing and clean out to CIBP.
8. Land 1 1/2" 2.9# EUE tubing with an expendable check on bottom, and a common pump seating nipple one joint off bottom. Land tubing above bottom perforation. Swab well in. Record final 30, 45, and 60 minute gauges on morning report. ND BOP. NU tree. RD and release rig.
9. Evaluate well's performance for possible fracture stimulation. A fracture stimulation procedure will be provided if necessary.

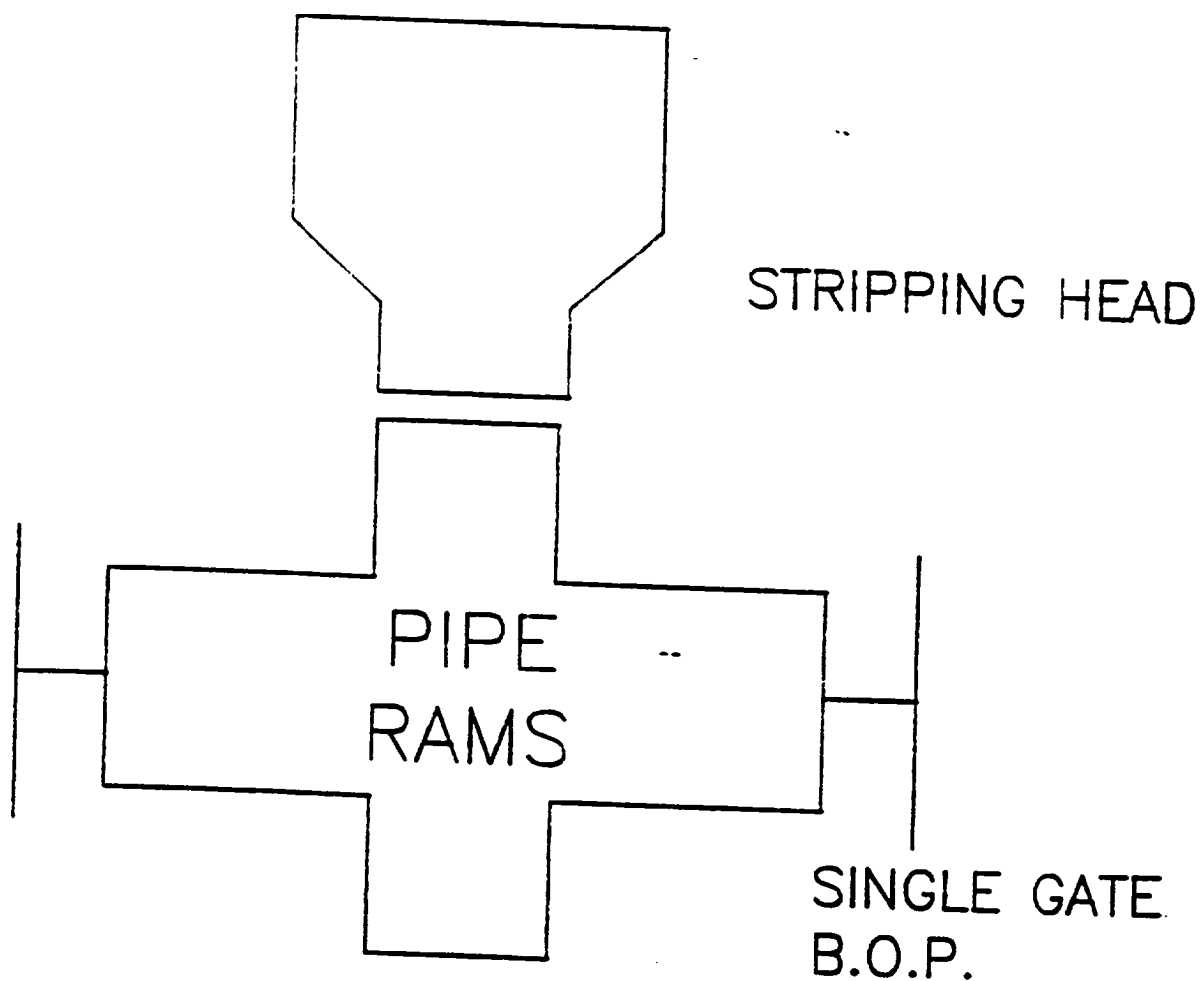
# KUTZ DEEP TEST #1 WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C



# 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