

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 I-149-IND-8468
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME NAVAJO TRIBE OF INDIANS
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 NAVAJO INDIAN B
4. LOCATION OF WELL  972' FSL, 847' FWL	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. 30, T27N, R08W
	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 1320.80 W/ 320.80 30.00
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.) 6077' DF 6067' EL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>[Signature]</u> (SHL) REGULATORY AFFAIRS	DATE 9-20-90

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 01 1990

Ken Townsend  
AREA MANAGER

NIMOOD

Submit to Applicant—  
District Office—  
State Lease - 4 copies  
For Lease - 3 copies

State of New Mexico—  
Energy, Minerals and Natural Resources Department—

Form C-382—  
Revised 1-1-80—

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 Grande 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 (L-149-IND-8468) - Navajo Indian B	Well No. 1
Unit Letter M	Section - 30	Township - 27 North	Range - 8 West	County - NMNM San Juan
Actual Footage Location of Well: 972 feet from the South line and 847 feet from the West line—				
Ground level elev. 6067'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage 320.80 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or inkline marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been considered by communication, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consideration—  
If answer is "no" list the owners and what consideration which has actually been considered. (Use reverse side of this form if necessary.)  
No allowance will be assigned to the well until all interests have been considered (by communication, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Not re-surveyed, prepared from a plat by Carol J. Clote, dated 8-19-57.

RECEIVED  
OCT 4 1990  
OIL CON. DIV.  
DIST. 3

OPERATOR CERTIFICATION

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

Signature *Peggy Bradfield*

Printed Name  
Peggy Bradfield

Regulatory Affairs  
Position -

Meridian Oil Inc.  
Company -

Date - 9-20-90

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.

9-19-90

Date Surveyed -

Signature *Neale D. Edwards*  
Professional Surveyor



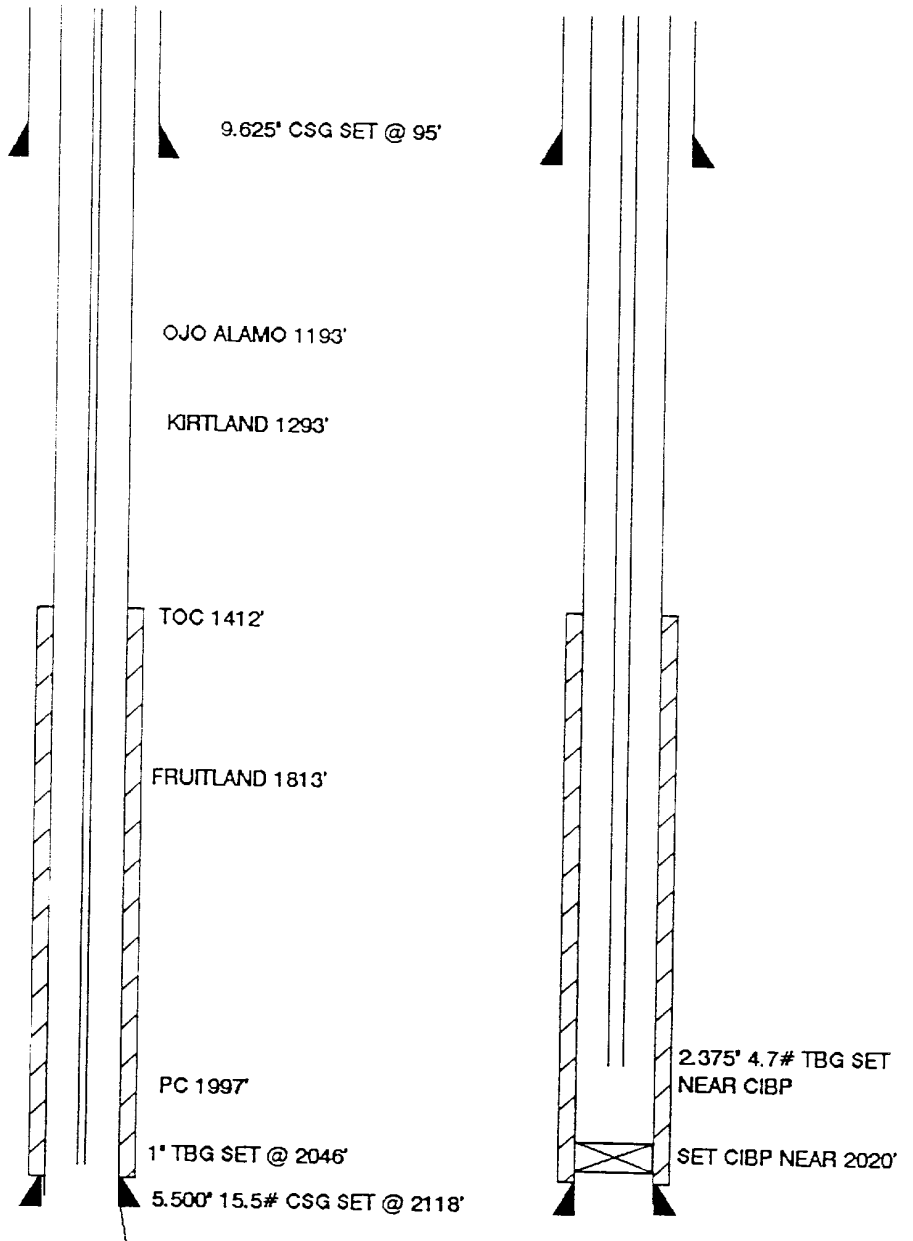
Neale D. Edwards

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

# NAVAJO INDIAN B #1 WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C

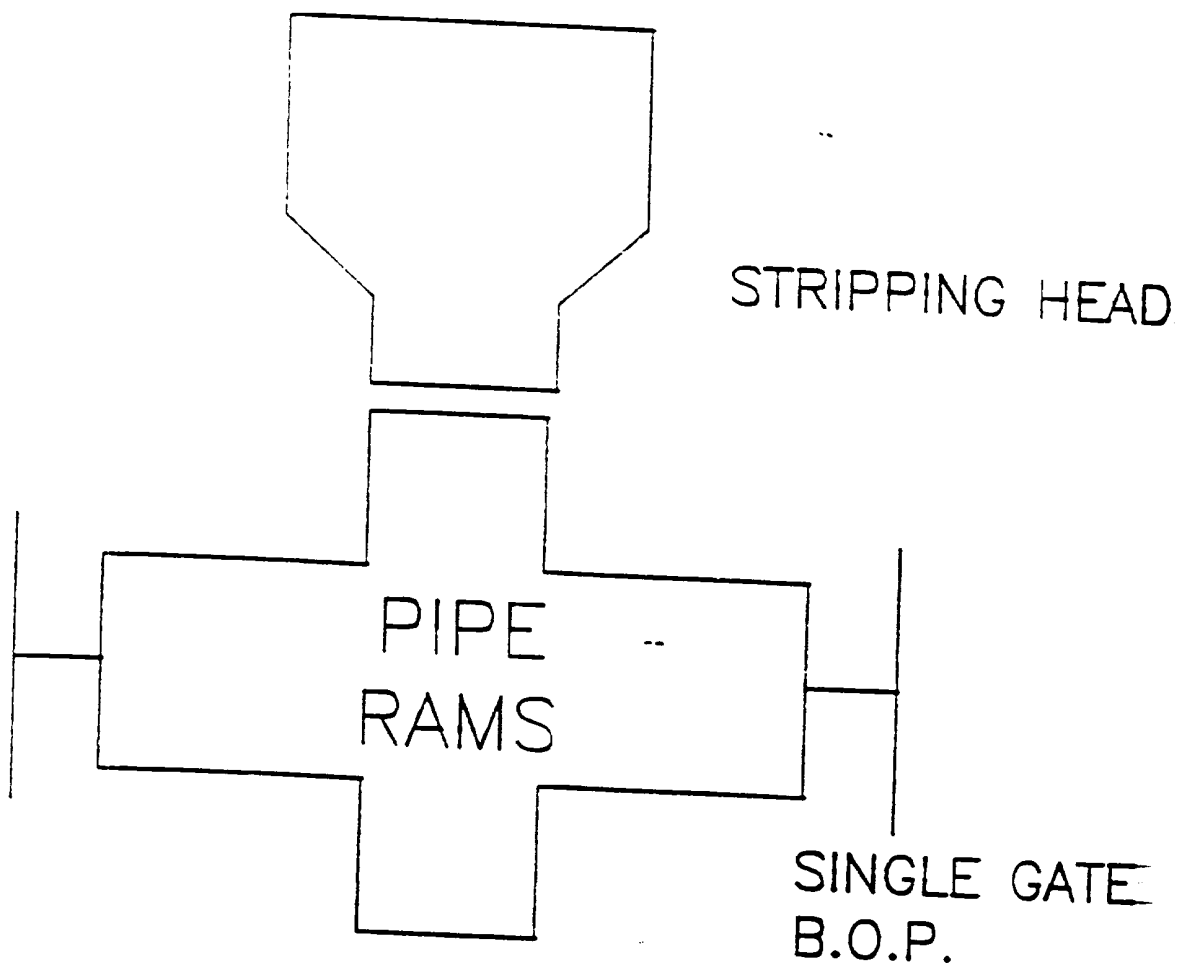


RECOMPLETION PROCEDURE  
Hanks #5

\*\*\*NO WORK IS TO BE PERFORMED OR EQUIPMENT TO BE LOCATED OFF APPROVED WELLPAD\*\*\*

1. Prepare location for workover. Install or replace anchors as necessary.
2. MOL with workover rig, hold safety meeting, install safety signs and proper fire equipment at strategic points. Comply with all BLM, NMOC, and MOI regulations.
3. Rig up blow lines, record tubing and casing pressures and blow well down. NU 6" 3000 psi BOP and test. Load hole with water.
4. TOOH with tubing.
5. PU 5 1/2" casing scraper and TIH with 2 3/8" 4.7# J-55 EUE tubing. TOOH.
6. RU wireline unit and set a 5 1/2" CIBP near 2020'. Pressure test casing to 2500 psi for 15 minutes.
7. Run logs.
8. Perforate across the coal. Perforations to be picked from log.
9. TIH with tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
10. Hold safety meeting with all personnel on location. PT surface lines to 4000 psi. Fracture stimulate well.
11. TIH with tubing and clean out to CIBP.
12. Land tubing. Swab well in. Record final 30, 45 and 60 minute gauges on morning report. ND BOP. NU tree. Rig down and release rig.
13. Shut well in for pressure build up. Obtain gas and water sample for analysis.

# 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