

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 2:11

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; 990' 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. P SEC. 04, 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.) 6179' GL	22. APPROX. DATE WORK WILL START

RECEIVED
MAY 21 1990
OIL CON. DIV.
DIST. 3

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: John Bradwell (SHL)
REGULATORY AFFAIRS

5-10-90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

MAY 14 1990
Ken Townsend
AREA MANAGER

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 Hargrave (SF-077382)			Well No. 1		
Unit Letter P	Section 4	Township 27 North	Range 10 West	County NMPM	San Juan			
Actual Footage Location of Well: 990 feet from the South line and 990 feet from the East line								
Ground level Elev. 6179'		Producing Formation Fruitland Coal		Pool Basin		Dedicated Acreage: 320.87 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 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Prepared from a plat
dated 8-22-51
by C. O. Walker

RECEIVED
MAY 21 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.

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
5-10-90

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.

5-9-90

Date Surveyed

Neale C. Edwards
Signature
Professional Surveyor



Certificate No.
Neale C. Edwards

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

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RECOMPLETION PROCEDURE
HARGRAVE #1

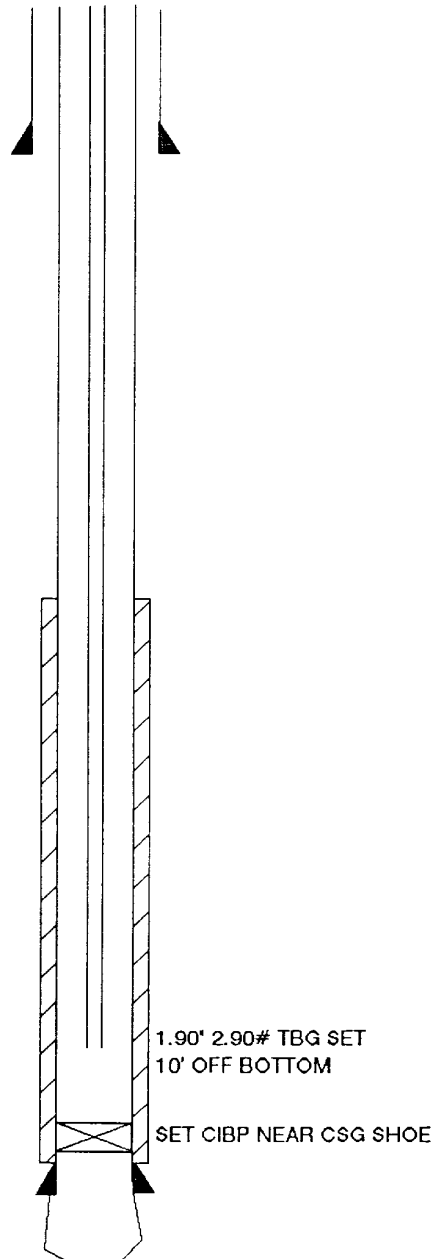
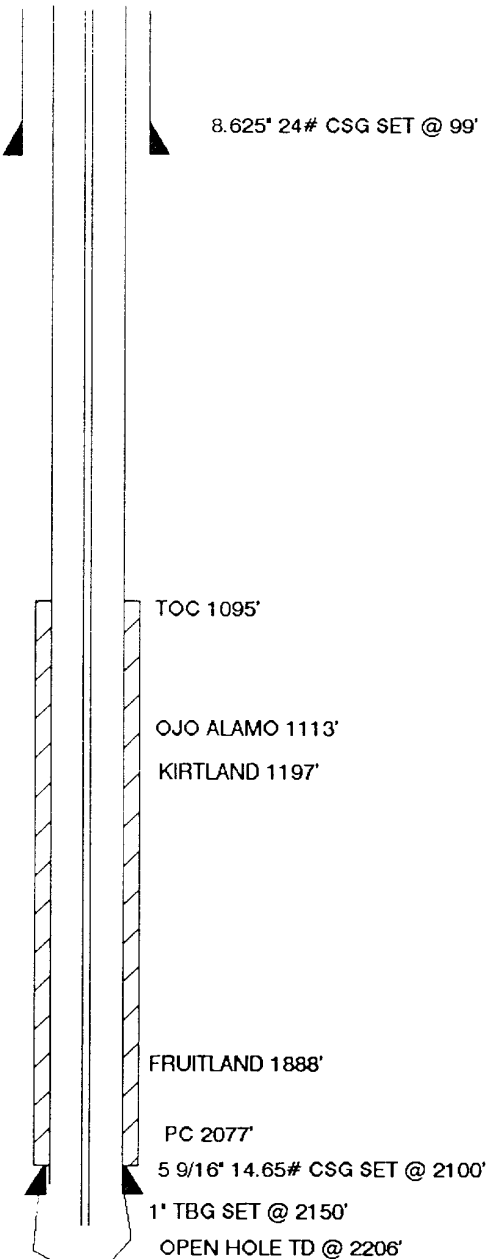
1. MOL and RU. ND wellhead. NU BOP.
2. TOOH with tubing.
3. Run GR-CCL-CNL across coal. Pick perforations from log.
5. Set a 5 1/2" CIBP as close to the bottom Fruitland coal perforation as possible. Pressure test casing to 1000 psi for 15 minutes.
6. Perforate across coal.
9. TIH with 1 1/2" tubing and clean out to CIBP.
10. Land 1 1/2" tubing 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.

HARGRAVE #1

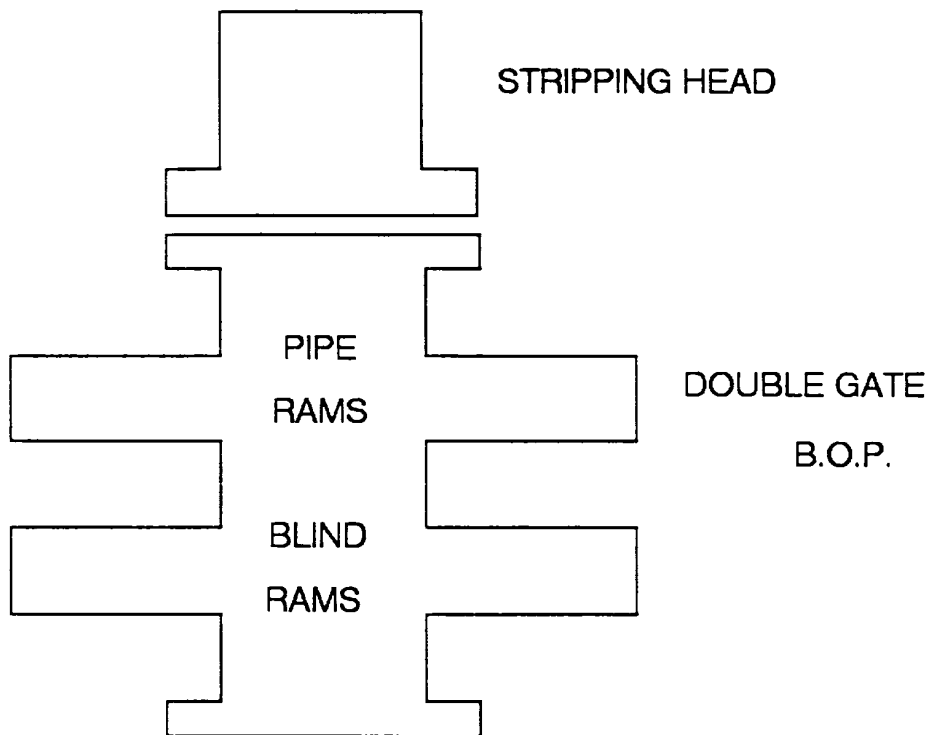
WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C



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

LAND SUMMARY
PLUGBACK AND RECOMPLETE

Prop No.: _____

Well Name Hargrave #1 Critical Well: No File No. NM 248

Current Formation: Pictured Cliffs Objective Formation: Fruitland Coal

* E/2 (FR)
Dedication Description: * SE/4 (PC) Section 4 Township 27N Range 10W

320.00 (FR)
Number of Acres Dedicated: 160.00 (PC) County: San Juan State: New Mexico

Well Location: SE/4 SE/4 Operator: Meridian Oil Inc. for EPPC

Subject to GLA No.: No Litigated: N/A

<u>EPPC</u>	-	<u>G.W.I. 50.00%</u>	<u>FR</u>	<u>N.R.I. 42.75%</u>	<u>(FR)</u>
<u>EPPC</u>	=	<u>G.W.I. 100.00%</u>	<u>PC</u>	<u>N.R.I. 82.50%</u>	<u>(PC)</u>

Type of Consolidation: Comm Ag. N/A PC; Need FR Unitization N/A

Need A.F.E.: Yes-FR Oper. Agmt.: None PC; Need FR ** Non-consent Penalty: N/A

Election Time Under J.O.A.: N/A A.F.E. Limit: N/A

Outside Owners Cost Bearing Interest:

<u>NAME:</u>	<u>ADDRESS:</u>	<u>INFO REQ. ON FILE (yes/no)</u>	<u>INTEREST %</u>
<u>Amoco/Conoco</u>	<u>N/A</u>	<u>N/A</u>	<u>50.00%</u>

Copas Provisions: Overhead Rate - Drilling \$ ** Producing \$ **

Annual Adjustment: ** Employee Benefits (Max./ %) **

Remarks and Agreement References: **To be negotiated (FR). EPPC ownership remains the same for S/2 dedication with Amoco as partner.

Status of Title: Title Opinions dated 2/23/52 and 8/20/52 show EPNG with good title from surface to base of Pictured Cliffs.

Description of Dedicated Leases:

<u>FILE NO.</u>	<u>GLA</u>	<u>LEASE NAME</u>	<u>*DESCRIPTION</u>	<u>WELL GROSS ACRES</u>	<u>CO. WELL NET ACRES</u>	<u>EXP. DATE</u>
<u>NM-248</u>	<u>No</u>	<u>USA SF 077382</u>	<u>SE/4</u>	<u>160.00</u>	<u>160.00</u>	<u>HBP</u>
<u>Amoco</u>	<u>N/A</u>	<u>Not Available</u>	<u>NE/4</u>	<u>160.00</u>	<u>0.00</u>	<u>HBP</u>

Requested by: Rob Stanfield Prepared/Posted by: D.M. Poage Date: 05/03/90

OBO - Need Property Number: No Sent: N/A

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