

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

**RECEIVED**  
NOV 23 1990

**OIL CON. DIV**  
**DIST. 3**

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER SF - 047017 - B
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 Angel Peak "B"
4. LOCATION OF WELL 2030' FSL, 1980' FWL	9. WELL NO. #38
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. K Section 24, T28N, R11W
16. ACRES IN LEASE	12. COUNTY San Juan
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
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.) 5738 GR	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>[Signature]</i> (SHL) REGULATORY AFFAIRS	10-19-90 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) AS AMENDED

NMOC

NOV 08 1990

AREA MANAGER

*Hand G-104 for 1156 + pool change  
for Charles #1, 1000 (g)*

Submit to Aspros  
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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 Angel Peak B		Well No. 38
Unit Letter K	Section 24	Township 28 North	Range 11 West	County NMNM San Juan	
Actual Footage Location of Well: 2030 feet from the South line and 1980 feet from the West line					
Ground level Elev. 5738'		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

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.

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OIL CON. DIV.  
DIST. 3

Not re-surveyed prepared  
from a plat by Michael  
Daly dated 11-23-82

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  
10-19-90

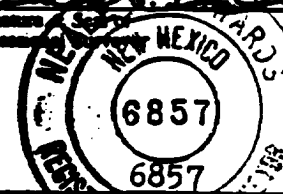
SURVEYOR CERTIFICATION

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. 10-17-90

Date Surveyed

Signature of Surveyor

Professional Surveyor

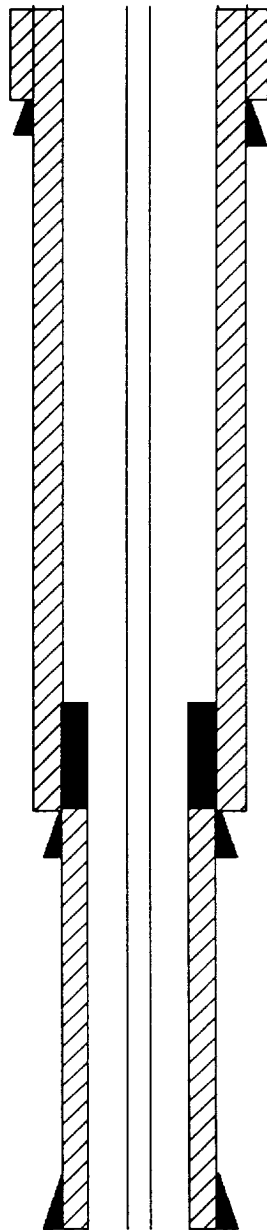


Neale C. Edwards

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

# ANGEL PEAK B #38 WELLBORE DIAGRAMS

BEFORE W/O



9 5/8" 36# SET @ 315'

FRUITLAND @ 1499'

PC @ 1806'

CHACRA @ 2350'

CLIFF HOUSE @ <sup>3326.5</sup>~~3300~~'

POINT LOOKOUT @ 4180'

4-1/2" 11.6# LINER TOP @ 4965'

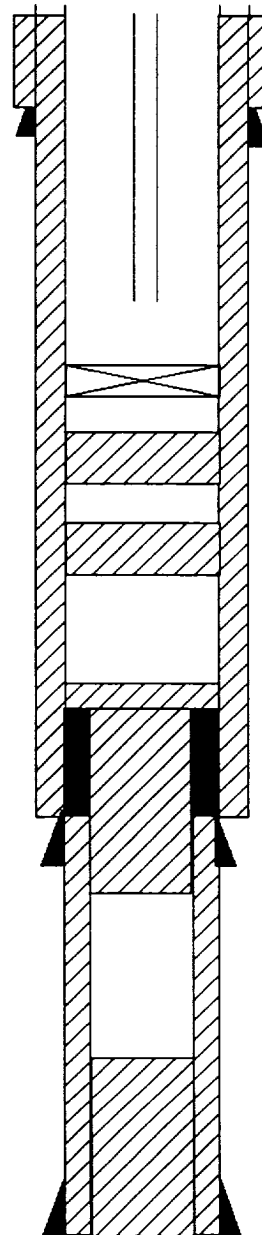
7" 23# SET @ 5200'

GALLUP 5490'

2 3/8" 4.7# TBG @ 5751'

4-1/2" 11.6# LINER SET @ 6090'

AFTER W/O



CIBP @ 1836'

CMT PLUG 2400-2300'

CMT PLUG <sup>3345'-3315'</sup>~~3350-3250~~'

CMT PLUG 5250-4915'

CMT PLUG TD-5440'

RECOMPLETION PROCEDURE  
ANGEL PEAK B #38

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

1. Load hole with water.
2. NU low pressure packoff. Pressure test casing to 1000 psi for 15 minutes.
3. Run GR-CCL. Perforate coal. Correlate to Gearhart CD-CNL run 4-7-83.
4. TIH with 2 3/8" tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
5. TIH with 2 3/8" tubing and clean out to 1836'.
6. Land 2 3/8" 4.7# EUE tubing with an expendable check on bottom, and a common pump seating nipple one joint off bottom. Land tubing 15 feet 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.
7. Evaluate well's performance for possible fracture stimulation. A fracture stimulation procedure will be provided if necessary.

ANGEL PEAK B #38  
RECOMPLETION PROCEDURE  
GALLUP PLUG AND ABANDONMENT

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

1. MOL and RU. ND wellhead. NU BOP. Load hole with water.
2. TOOH with 2 3/8" 4.7# K-55 tubing set @ 5751'
3. TIH with 2-3/8" tubing. Spot a cement plug from 6090'-5440' with 72 sx of Class B neat cement (85 cf, 50% excess to cover 50' above the top of the Gallup). Pull up to 5440' and circulate the casing with 9.0 PPG mud with a minimum viscosity of 50 sec/qt. TOOH. Tag cement top with wireline after 4 hours.
4. Spot a cement plug from 5250-4915' with 46 sx of Class B Neat cement (54 cf, 50% excess to cover 50' above liner top). Pull up to ~~3350~~ <sup>3350</sup> and spot a cement plug from ~~3350-3250~~ <sup>3350-3250</sup> with 28 sx of Class B neat cement (33 cf, 50% excess to cover 50' over top of Cliff House). Pull up to 2400' and spot a cement plug from 2400-2300' with 28 sx of Class B neat cement (33cf, 50% excess to cover 50' over top of Chacra).
5. TOOH. RU wireline. Set a 7" CIBP near 1836'. Proceed with Fruitland recompletion.

Vendors

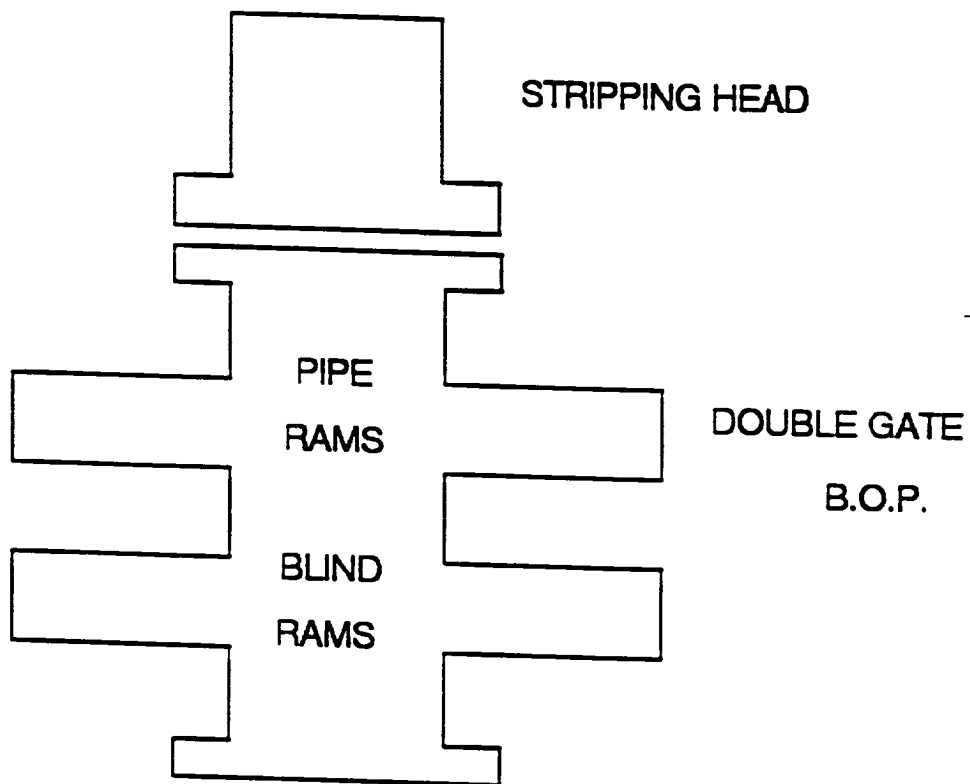
Wireline and Retainer: Basin

Cement: BJ Services

Approve: \_\_\_\_\_  
R. F. Headrick

SHL

# 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