

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 SF-047017B
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 485' FNL, 2310' FWL	9. WELL NO. #44
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. Section 24, T28N, R11W
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 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.) 5821' R.K.B.	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: _____ REGULATORY AFFAIRS	(SHL) _____ DATE _____

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____ APPROVED

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

4821 2-10-90 FOR NMCCD
154 (2) 4/5/90

NOV 27 1990
John Skellern
AREA MANAGER

RECEIVED
JAN 10 1964
U.S. AIR FORCE
OFFICE OF THE
JOINT CHIEFS OF STAFF
WASHINGTON, D.C.

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]

APPROVED
FOR RELEASE
DATE 10-10-2001
BY SP-10/10-2001

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 00, 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 (SF-047017B)		Well No. 44
Unit Letter C	Section 24	Township 28 North	Range 11 West	County San Juan	
Actual Footage Location of Well: 485 feet from the North line and 2310 feet from the West line					
Ground level Elev. 5809'	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

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.

2310'		485'	Not resurveyed Prepared from plat By: Michael Daly Dated: 12-22-82
24			
RECEIVED		DEC 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.

Peggy Bradford
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

10-29-90

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.

10-26-90

Date Surveyed

Neale C. Edwards
Signature
Professional Surveyor

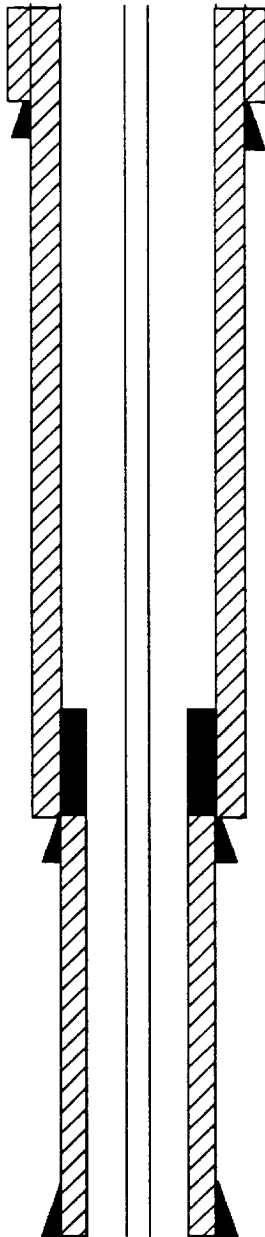
NEW MEXICO
6857
REGISTERED LAND SURVEYOR

Neale C. Edwards

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

ANGEL PEAK B #44 WELLBORE DIAGRAMS

BEFORE W/O



9 5/8" 36# SET @ 321'

FRUITLAND @ 1559'

PC @ 1818'

CHACRA @ 2400'

CLIFF HOUSE @ ³²⁰³~~3200~~'

POINT LOOKOUT 4178'

4-1/2" 11.6# LINER TOP @ 5045'

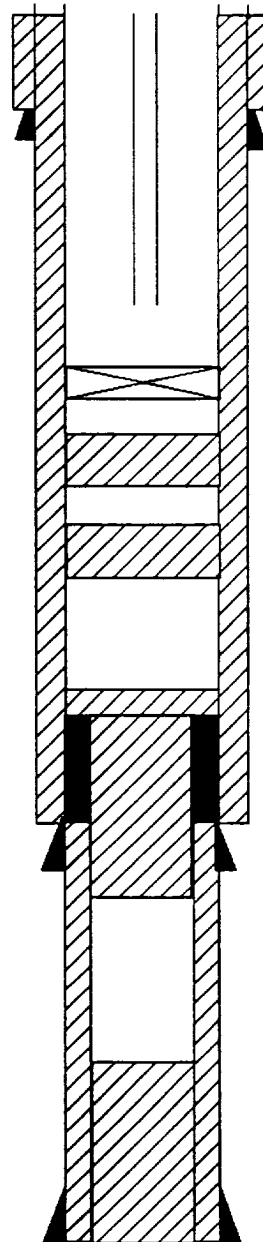
7" 23# SET @ 5260'

GALLUP 5380'

2 3/8" 4.7# TBG @ 6097'

4-1/2" 11.6# LINER SET @ 6263'

AFTER W/O



CIBP @ 1848'

CMT PLUG 2450-2350'

CMT PLUG 3250-3150'

CMT PLUG 5310-4995'

CMT PLUG TD-5330'

RECOMPLETION PROCEDURE
ANGEL PEAK B #44

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

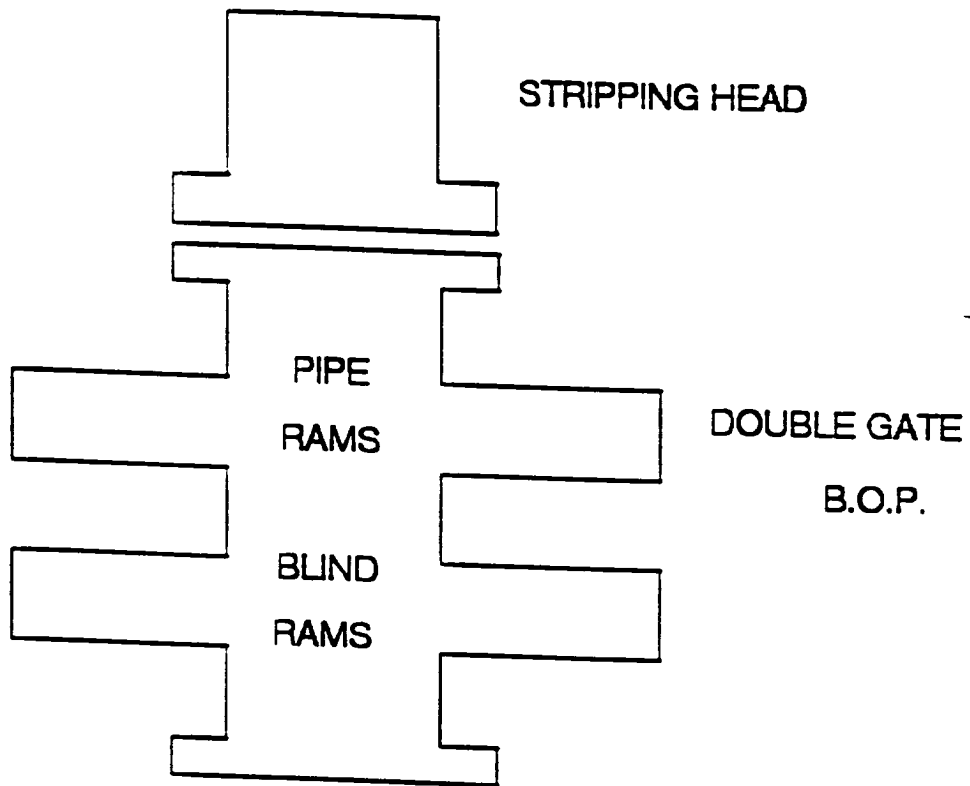
1. Load hole with water.
2. NU low pressure packoff. Pressure test casing to 1000 psi for 15 minutes. If casing fails, isolate leak(s) with a test packer.
3. Run GR-CCL. Perforate coal, with perfs to be picked from existing CD-CNL log.
4. TIH with 2 3/8" tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
5. TIH with 2 3/8" tubing and clean out to 1848'.
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 #44
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 @ 6097'
3. TIH with 2-3/8" tubing. Spot a cement plug from 6263'-5330' with 104 sx of Class B neat cement (122 cf, 50% excess to cover 50' above the top of the Gallup). Pull up to 5446' 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 5310-4995' with 44 sx of Class B Neat cement (52 cf, 50% excess to cover 50' above liner top). Pull up to 3250' and spot a cement plug from ~~3250-3150'~~ ^{3250-3150'} with 28 sx of Class B neat cement (33 cf, 50% excess to cover 50' over top of Cliff House). Pull up to 2450' and spot a cement plug from 2450-2350' 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 1848'. Proceed with Fruitland recompletion.

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