

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 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 990' FNL, 1650' FWL	9. WELL NO. #31
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. Section 25, 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. RETURN FOR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 5820' KDB	22. APPROX. DATE WORK WILL START

RECEIVED

JUL 09 1991

OIL CON. DIV.)

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]* (SHL)
REGULATORY AFFAIRS

10-2-90
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

JUL 02 1991

AREA MANAGER

All distances must be from the outer boundaries of the Section

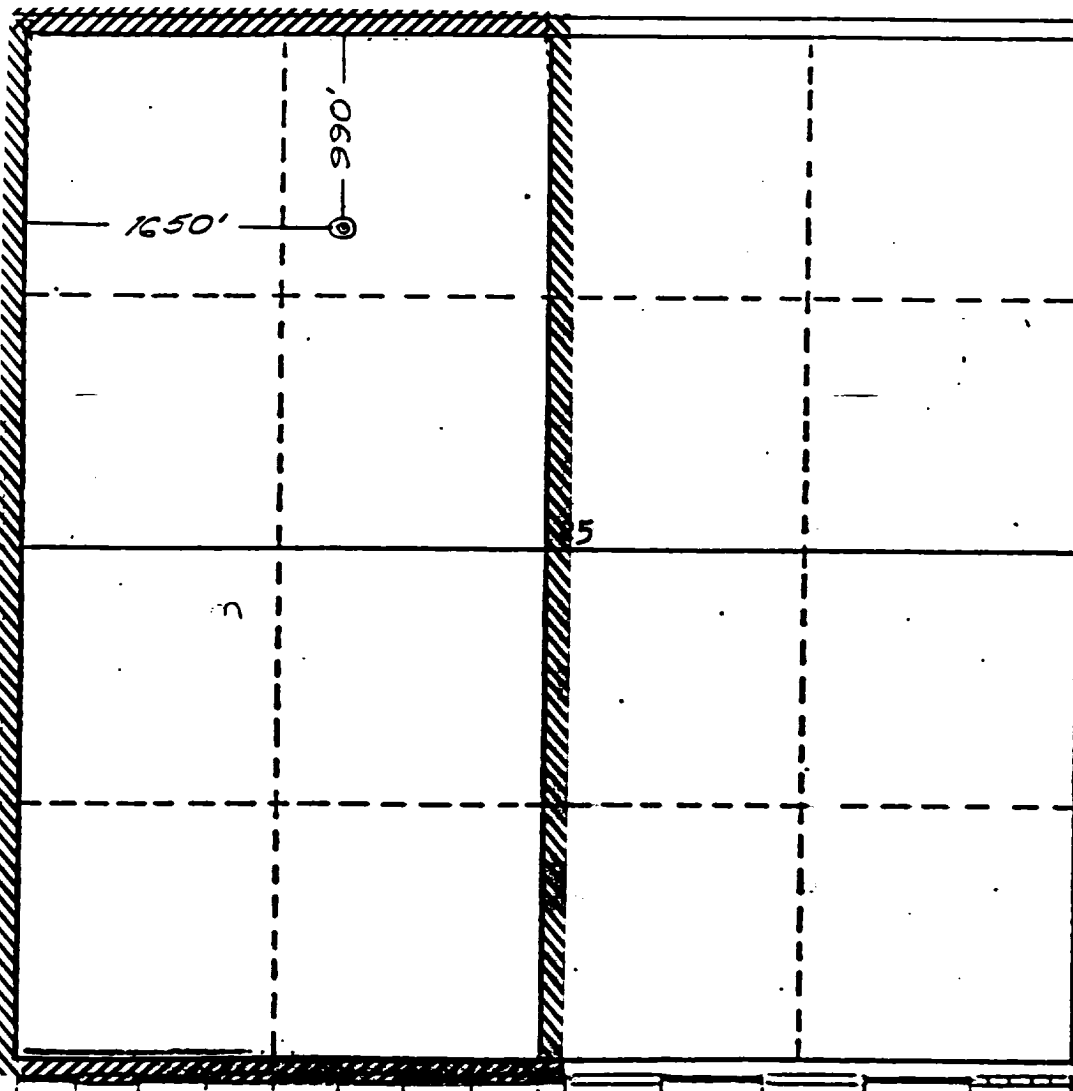
Operator Meridian Oil Inc.			Lease ANGEL PEAK "B"		Well No. 31
Unit Letter C	Section 25	Township 28 NORTH	Range 11 WEST	County SAN JUAN	
Actual Locality Location of Well: 990 feet from the NORTH line and 1650 feet from the WEST line					
Ground Level Elev. 5807	Producing Formation Fruitland Coal		Pool Basin		Dedicated Acres 320

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 work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

Name Peggy Bradfield
Position Regulatory Affairs
Company Meridian Oil Inc.
Date 10-2-90

I hereby certify that the information shown on this plat is true and complete to the best of my knowledge and belief.

Date Surveyed February 21, 1980
Registered Professional Engineer and/or Land Surveyor
James P. Leese
Certificate No. _____



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

XC Farmington 4

GARREY CARRUTHERS
GOVERNOR

FILE
August 17, 1989
RECEIVED

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Union Texas Petroleum Corporation
P.O. Box 2120
Houston, TX 77252-2120

KW
AUG 24 1989

Attention: Ken E. White

Administrative Order NSL-2688

Dear Mr. White:

Reference is made to your application of July 24, 1989 for a non-standard coal gas well location for your existing Angel Peak "8" Well No. 31 located 990 feet from the North line and 1650 feet from the West line (Unit C) of Section 25, Township 28 North, Range 11 West, NMPM, Basin Fruitland Coal (Gas) Pool, San Juan County, New Mexico. The W/2 of said Section 25 shall be dedicated to the well forming a standard 320-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of Rule 8 of the Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool as promulgated by Division Order No. R-8768, the above-described unorthodox coal gas well location is hereby approved.

Sincerely,

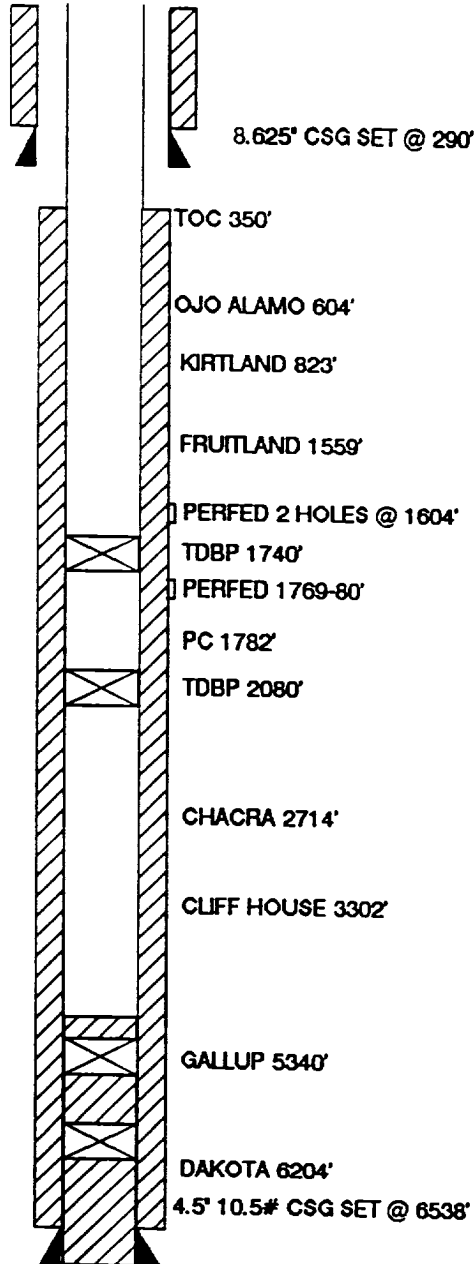
William J. LeMay
Director

WJL/MES/ag

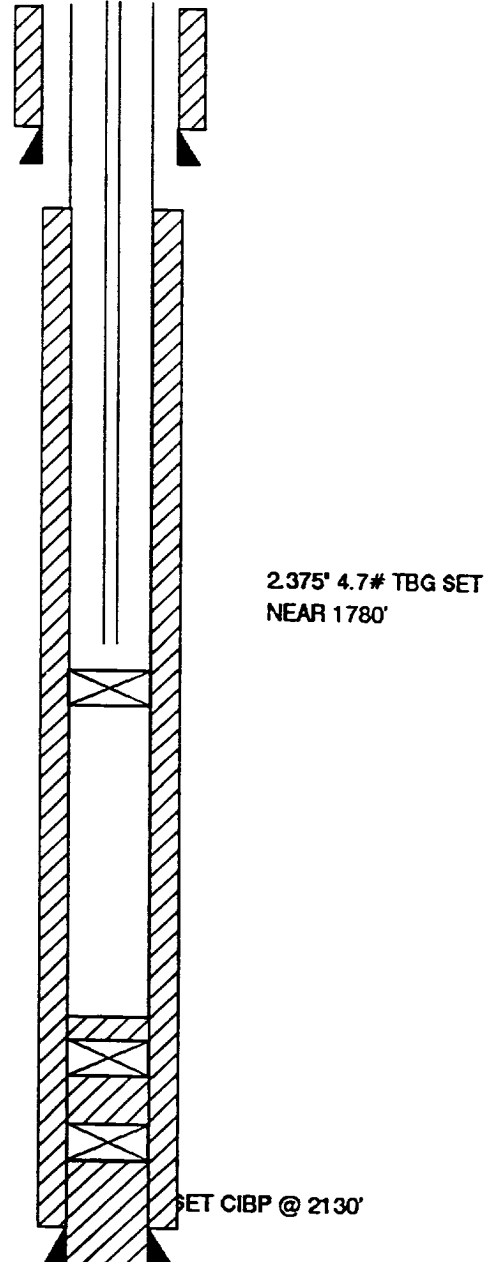
cc: Oil Conservation Division - Aztec
New Mexico Oil & Gas Engineering Committee - Hobbs
US Bureau of Land Management - Farmington

ANGEL PEAK B #31 WELLBORE DIAGRAMS

BEFORE R/C



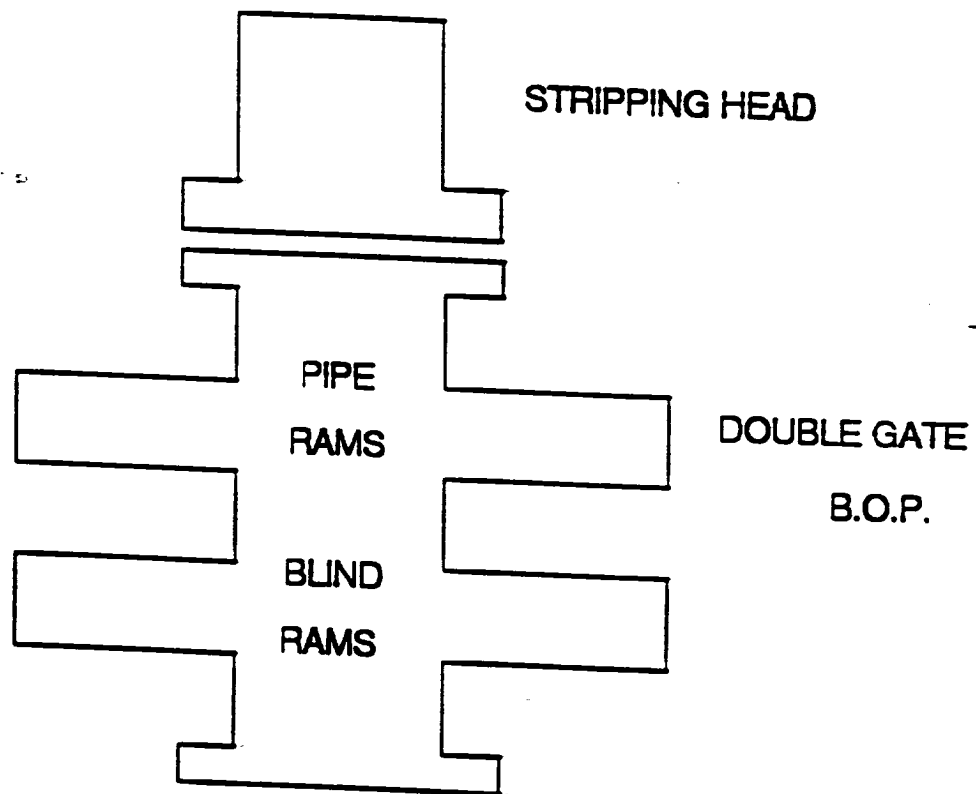
AFTER R/C



RECOMPLETION PROCEDURE
Angel Peak B #31

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, NMOCD, and MOI regulations.
3. Rig up blow lines, record tubing (if present) and casing pressures and blow well down. NU 6" 3000 psi BOP and test. Load hole with water. TOOH with tubing if present in wellbore.
4. Pressure test casing to 1000 psi for 15 minutes.
5. Run GR-CCL.
6. Perforate coal over the following intervals: 1584-94', 1600-04', 1636-59', 1694-1704', 1719-24'. Perforations to be correlated with existing CDL log.
7. TIH with 3-7/8" bit on 2-3/8" tubing and drill out bridge plug at 1740'. CO to 2080' and circulate wellbore clean. TOOH. TIH with tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
8. Evaluate well for possible fracture stimulation. A stimulation procedure will be provided if necessary.
9. When well is clean, land 2-3/8" tubing with a common pump seating nipple one joint off bottom. Land tubing near 1780'. Swab well in. Record final 30, 45 and 60 minute gauges on morning report. ND BOP. NU tree. Rig down and release rig.
10. Shut well in for pressure build up. Obtain gas and water sample for analysis.

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