

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-077754A
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	8. FARM OR LEASE NAME KELLY B
4. LOCATION OF WELL 1760'FNL 1165'FEL	9. WELL NO. 1R
14. DISTANCE IN MILES FROM NEAREST TOWN 5 MILES E. OF AZTEC	10. FIELD, POOL, OR WILDCAT BLANCO MESA VERDE
	11. SEC. T. R. M OR BLK. SEC. 8 T30N R10W NMPM
15. DISTANCE FROM PROPOSED LOCATION 1165' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
16. ACRES IN LEASE 320.00	13. STATE NM
17. ACRES ASSIGNED TO WELL 320.00	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 600' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 5720'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6328'GL	22. APPROX. DATE WORK WILL START 4/2/90
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS MANUAL	
24. AUTHORIZED BY: <i>[Signature]</i> MAY 01 1990	
REG. DRILLING ENGR. OIL CON. DATE	

PERMIT NO. _____ APPROVAL DATE _____ APPROVED
APPROVED BY _____ TITLE _____ DATE AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

APR 26 1990
AREA MANAGER

Submit to Assestment
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 DD, Artesa, 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 Kelly B		Well No. 1R
Unit Letter H	Section 8	Township 30 North	Range 10 West	County San Juan	NMPM
Acres Footage Location of Well: 1760 feet from the North line and 1165 feet from the East line					
Ground level Elev. 6328'		Producing Formation Mesa Verde	Pool Blanco Mesa Verde	Dedicated Acreage: 320.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or machine 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 _____
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.

OPERATOR CERTIFICATION

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

Signature _____
Printed Name
Peggy Bradfield
Position
Regulatory Affairs
Company
Meridian Oil Inc.
Date
3-12-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, 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.

Date Surveyed
Neal E. Edwards
Signature of Surveyor
Professional Surveyor

REGISTERED LAND SURVEYOR
Certificate No.
6857

RECEIVED

MAY 01 1990

OIL CON. DIV.
DIST. 3

5175.72
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

RECEIVED
MAY 01 1960
OIL CON. DIV.
Dist. 3

OPERATIONS PLAN

Well Name - KELLY B #1R
I. Location: NE 08-30-10

Date: 29-Mar-90
San Juan County, NM

Field: BLANCO MESA VERDE

Elevation: 6328 'GL

II. Geology:

A. Formation Tops:	Nacimiento	Surface	Chacra	3741 '
	Ojo Alamo	1551 '	Mesa Verde	4391 '
	Kirtland	1671 '	Menefee	4716 '
	Fruitland	2621 '	Pt. Lookout	5216 '
	Pictured Cliffs	2936 '	Intermediate TD	3250 '
	Lewis	3056 '	Total Depth	5720 '

B. Logging Program: Inter Depth logs: CNL-LDT-TEMP
Total Depth Logs: DIL-GR

C. Coring: None

D. Natural Gauges: 3710', 3940', 4290', 4500', 4690', 4960', 5280',
5250', 5720', Also gauge any noticeable increase in gas.
Record all gauges in IADC daily drilling report and
on MERIDIAN OIL morning report.

III. Drilling:

A: Mud Program: Mud from surface to 3250 '. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:	Hole Size	Depth	Csg. Size	Weight	Grade
	12 1/4"	200	9 5/8"	32.3#	H-40
	8 3/4"	3250	7"	20.0#	K-55
	6 1/4"	5720	4 1/2"	10.5#	K-55

B. Float Equipment: 9 5/8" surface casing - Saw Tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve.
Five centralizers run every other joint above shoe. Run float two joints above the guide shoe.

4 1/2" production casing - liner hanger with neoprene packoff. Cement nose guide shoe and float collar run above a 6' shoe joint.

C. Tubing: 5720 of 2 3/8", 4.7#, J-55 8rd EUE tubing with a seating nipple one joint off bottom and expendable check valve on bottom.

D. Wellhead Equipment: 9 5/8" x 11" 2000 psi xmas tree assembly.

Kelly B #1R
1760' FNL 1165' FEL
Sec. 8 T30N R10W
SAN JUAN CO., NM

On existing ROW
NM 71446

SFO 77754

Fee Roads

Existing ROW
NM 71446

Kelly B #1R
T30N, R10W
300' of new
Construction

300' NEW
CONSTRUCTION

MAP #1