

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-039-25106

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL
GAS

RECEIVED

SEP 12 1991

2. OPERATOR

MERIDIAN OIL INC. DIST. 3

OIL CON. DIV.

3. ADDRESS & PHONE NO. OF OPERATOR

P O BOX 4289
FARMINGTON, NM 87499

4. LOCATION OF WELL

840' FSL 1650' FEL

5. LEASE NUMBER

SF-079266

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

VAUGHN

9. WELL NO.

13E

10. FIELD, POOL, OR WILDCAT

BLANCO MV BASIN DAKOTA

11. SEC. T. R. M OR BLK.

0 SEC. 27 T26N R06W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
18 MILES S. OF GOVERNADOR

12. COUNTY

RIO ARRIBA

13. STATE

NM

15. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST PROPERTY
OR LEASE LINE.

840'

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL

2560

This action is subject to technical and
procedural review pursuant to 43 CFR 3105.3
and appeal pursuant to 43 CFR 3105.4.

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR.
COMPL., OR APPLIED
FOR ON THIS LEASE.

300'

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
7250' ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)

6329' GL

22. APPROX. DATE WORK WILL START

"Approval of this action does

23. PROPOSED CASING AND CEMENTING PROGRAM

holds legal or equitable right
or title to this lease."

24. AUTHORIZED BY:

REG. DRILLING ENGR.

8/8/91
DATE

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

ARCH REPORT SUBMITTED 05/29/91

NMOCD

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 DD, Aranea, 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 Vaughn		Well No. 13E
Unit Letter O	Section 27	Township 26 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Well: 840 feet from the South line and 1650 feet from the East line					
Ground level Elev. 6329'		Producing Formation Mesa Verde Ext./Dakota		Pool Blanco/Basin	Dedicated Acreage: 320/3 Acres

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

RECEIVED

SEP 12 1991

OIL CON. DIV.
DIST. 3

USA SF
079266

27

840'

1650'

5293.86

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: Peggy Bradfield

Position: Regulatory Affairs

Company: Meridian Oil Inc.

Date: 8-8-91

Date: 8-8-91

Date: 8-8-91

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OPERATIONS PLAN
VAUGHN #13E

08-05-91

Location: 840' FSL, 1650' FEL Sec. 27-T26N-R06W
Rio Arriba County, New Mexico
Field: Blanco Mesa Verde / Basin Dakota
Elevation: 6329' Graded Ground Level

Formation Tops

San Jose	Surface	P. Lookout	4822'
Ojo Alamo	2002'	Mancos	5322'
Fruitland	2396'	Kgl.	5882'
T/ F. Coal	2460'	T/ GH	6742'
B/ F. Coal	2537'	B/ GH	6795'
Pictured Cliffs	2573'	T/ Gran	6852'
Lewis	2662'	Dakota	6944'
Mesaverde	4250'		
Menefee	4282'	Total Depth	7250'

Logging Program: IES, CNL-FDC

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Visc.</u>	<u>Fl.Loss</u>
0 - 200'	Spud	8.4 - 8.9	40-50	no control
200' - 7250'	Non-dispersed	8.4 - 9.1	30-60	> 12 cc's

Casing Program:

<u>Hole size</u> <u>(inches)</u>	<u>Measured</u> <u>Depth (Ft)</u>	<u>Casing</u> <u>Size (in)</u>	<u>Weight</u> <u>(lbs/ft)</u>	<u>Grade</u>
12 1/4"	200'	9 5/8"	32.3	K-55
8 3/4"	5300'	7"	23.0	K-55
6 1/4"	7250'	4 1/2"	10.5	K-55

Casing Equipment:

1. 9 5/8" Surface Casing - Sawtooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.
2. 7" Intermediate Casing - Cement nose guide shoe on bottom, float collar one joint off bottom. Stage tool at 3600'. Centralizers spaced as follows: One every other joint from shoe to Ojo Alamo. Two (2) turbolizing type centralizers - one below and one into the Ojo Alamo @ 2002'. One every fourth joint from top of Ojo Alamo to surface.
3. 4 1/2" Cemented Liner - Cement nose guide shoe on bottom, float collar one joint off bottom. Cement with 150' overlap. Centralizers as follows: One every fourth joint from TD to Intermediate casing.

Tubing: 7250' of 2 3/8", 4.7#, J-55, 8rd EUE tubing with a seating nipple one joint off bottom and an expendable check valve on bottom.

Wellhead Equipment: 9 5/8" x 7" x 4 1/2" x 2 3/8" - 11" (3000psi) Wellhead.

277000m E

VAUGHN #13E

T 26 N, R 06 W

300' New Construction

New ROW on existing BLM roads:

T26N, R6W

Section 27:	SWSE	1300'
	SESW	600'
	N2SW	2600'
28:	S2NE	1900'
	NWSE	900'
	NESE	800'
	SWSE	1500'
	S2SW	2700'
29:	SESE	900'
31:	N2NE	2800'

19: W2SW 2400'

T26N, R7W

Section 24:	E2NE	2100'
	NWNE	1000'
13:	SWSE	900'
	S2SW	2800'
14:	S2SE	2800'
	SESW	200'
	N2SW	2500'

Remaining existing roads are on existing BLM ROW: NM 71308

MERIDIAN OIL INC

NEW BLM

R-O-W

STATE
LANDS

29

28

27

Tapicito

Creek

PIPELINE

1

2

272

32' 30"

273

274

275 130 000 FEET

10



