

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
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, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☒

b. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

H. T. Mattern

8. Well No.

2

9. Pool name or Wildcat

Eumont (Yates-7Rvrs-Queen)

2. Name of Operator

Meridian Oil Inc.

3. Address of Operator

P.O. Box 51810, Midland, TX 79710-1810

4. Well Location

Unit Letter K : 1650 Feet From The West

Line and 1650

Feet From The South

Line

Section 7

Township 22-S

Range 37-E

NMPM

Lea

County

10. Proposed Depth

TD 3744', PBD 3650'

11. Formation

Penrose

12. Rotary or C.T.

13. Elevations (Show whether DF, RT, GR, etc.)

3430' GR

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

16. Approx. Date Work will start

Upon approval

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12"	8-5/8"	28#	326'	128 sxs	Surface
6-3/4"	5-1/2"	14#	3668'	150 sxs	3510'

Plug Back from the Arrowhead Grayburg Oil Pool to the Eumont (Yates-7Rvrs-Queen) Gas Pool.

Simultaneous Dedication with well No. 1, L, 1650' FSL & 330' FWL.

Non-Standard gas proration unit previously approved for well No. 1

Run Epithermal Neutron Log & GR/CCL 3668'-2700'. Set CIBP @3650'. Consult Engineer for depth to perforate four squeeze holes. Set cmt ret 50' above sqz holes. Sting into retainer. Hold 1000 psi on annulus. Sqz perms w/50 sxs Micro-Matrix cmt followed w/50 sxs C cmt. Perforate Penrose as directed by Engineer. Break down perms w/ 50 gls/perf of 2% KCl wtr & 7/8" RCNBS. Fracture stimulate Penrose w/25,700 gls 50-Quality foam & 105,000 lbs 12/20 mesh Brady sand. Put on production.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Maria L. Perez TITLE Production Asst.

DATE 7-17-91

TYPE OR PRINT NAME Maria L. Perez

TELEPHONE NO. 915-686-5767

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Approved for recompletion work only--well cannot be produced from Eumont until NSL & SD order has been approved.

This work never done

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District Office
State Lease - 4 copies
Fee 1 lease - 2 copies

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DISTRICT III

1900 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			Lease		Well No.	
Meridian Oil Inc.			H. T. Mattern		2	
Unit Letter	Section	Township	Range	County		
K	7	22-S	37-E	Lea		
Actual Footage Location of Well:						
1650		feet from the	West	line and	1650	
feet from the		South		line		
Ground level Elev.		Producing Formation		Pool		
3430'		Penrose		Eumont (Yates-7Rvs-Queen)		
				Dedicated Acreage:		
				160 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, forced-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

Maria L. Perez

Position

Production Asst.

Company

Meridian Oil Inc.

Date

7-17-91

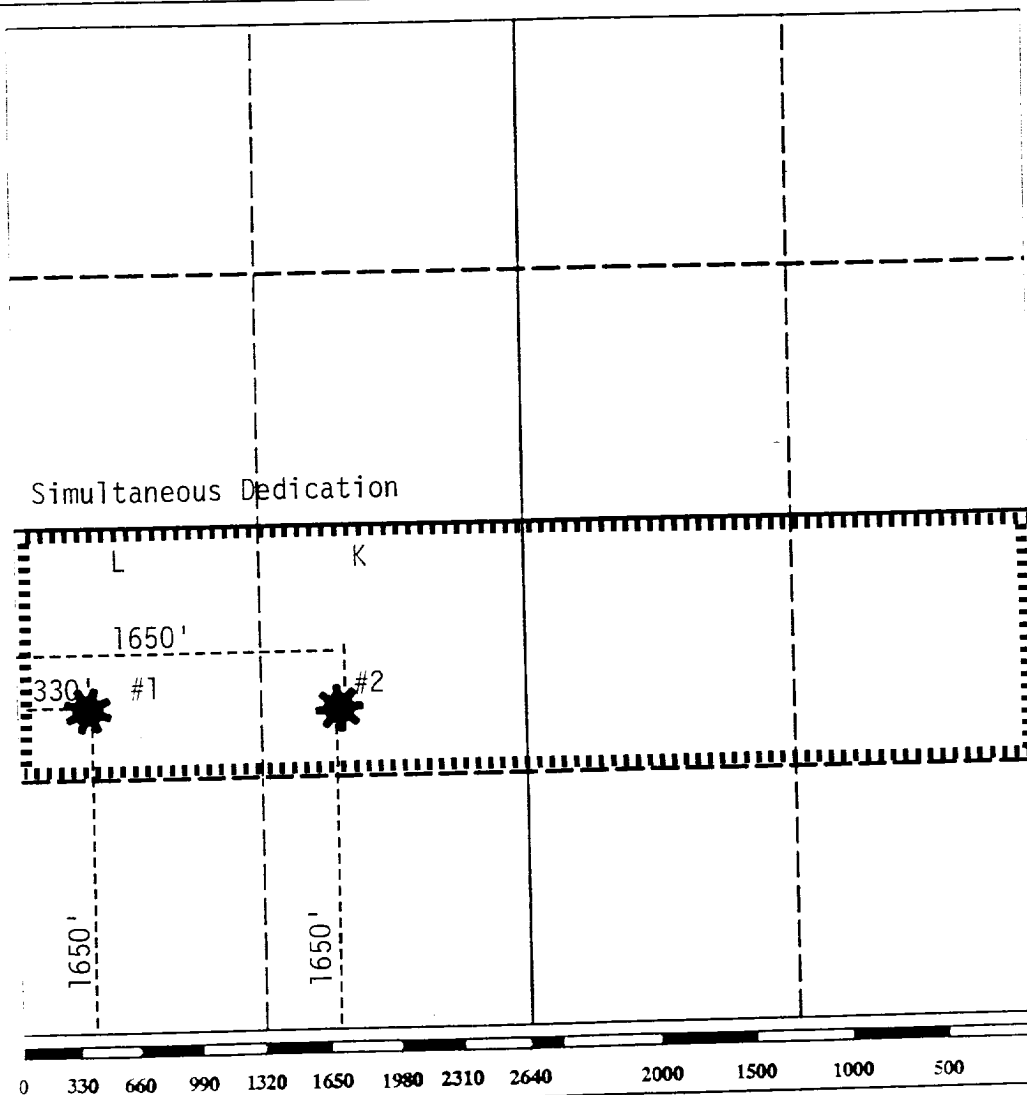
SURVEYOR CERTIFICATION

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.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.



RECEIVED

JUL 19 1991

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NOBBS OFFICE