

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☐ DEEPEN ☐ PLUG BACK ☒

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐  
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Meridian Oil Inc.

3. ADDRESS OF OPERATOR  
21 Desta Drive, Midland, Texas 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1980' FS & WL, Sec. 13, T-18-S, R-32-E  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 miles south of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1980'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
NA

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3831' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	383'	350 sx. C1 "C", Circulate
12 1/4"	9 5/8"	40#	2904'	1655 sx. C1 "C", Circulate
7 7/8"	5 1/2"	17#	12,498'	2965 sx. C1 "H". TOC @ 9855'

- MIRU PU. POH w/rods & pmp. ND pmp tee. NU BOP. Rise TAC & POH w/tbg.
- RIH w/cmt ret, stinger & tbg. Set ret @  $\pm$  4950' & establish pmp in rate & press.
- MIRU cmt company. Spot 100 sx C1 "C" & 150 sx C1 "C" neat @ end o tbg. Sting into ret & sqz off Delaware perms. Attempt to obtain a 500# sqz press above pmp in press. Sting out of ret & rev excess cmt out of tbg. Pull tbg up to 4552' & spot 250 gals 7 1/2% NEFE HCl acid. RDMO cmt company. POH.
- MIRU WL unit. RIH w/csg guns & perf Queen @ 4542-4552 w/2 JSPF (21 holes). POH. RDMO WL unit.
- RIH w/trtg pkr, SN & tbg. Rev spot acid into tbg & set pkr @  $\pm$ 4440'. Pmp spot acid away.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Operations Tech III DATE 10/21/88

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE 11-3-88  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

6. MIRU stimulation company. NU surf lines & test to 500#. Place monitor & maintain 500# on csg-tbg annulus. Pmp 1200 gals 7 1/2% NEFE HCl acid. Space out 42 - 7/8" RCNBS through job. Displ acid w/28 bbls 2% KCl wtr. If ballout occurs, surge balls off perfs & continue displ. Rlse pkr & run thru perfs. Pull pkr to  $\pm 4400'$  & set.
7. Place, monitor & maintain 500# on csg-tbg annulus. NU surf lines & test to 5000#. Pmp 10,000 gals crosslinked gel w/22,500# sd. RDMO stimulation company.
8. Flw back well. When well dies, rlse pkr & POH.
9. MIRU WL unit. RIH w/csg guns & perf Queen @ 4006-24' w/2 JSPF (37 holes). POH. RDMO WL unit.
10. RIH w/RBP w/ball catcher, pkr, SN & tbg. Set RBP @  $\pm 4100'$ . Pull pkr  $\pm 10'$  & set. Test RBP to 1500#. Rlse pkr & pull to  $\pm 3900'$  & set. Swb well dwn to SN.
11. MIRU stimulation company. NU surf lines & test to 5000#. Place, monitor & maintain 500# on csg-tbg annulus. Pmp 1800 gals 7 1/2% NEFE HCl acid. Space out 74 - 7/8" RCNBS through job. Displ acid w/25 bbls 2% KCl wtr. If ballout occurs, surge balls off perfs & continue displ. Rlse pkr & run thru perfs. Pull pkr to  $\pm 3900'$  & set.
12. NU surf lines & test to 5000#. Place, monitor & maintain 500# on csg-tbg annulus. Pmp 16,500 gals crosslinked gel w/38,000# sd. RD stimulation company.
13. Flw back well. Rlse pkr & rev cut any fill. Rlse RBP & POH.
14. RIH w/prod tbg. Set TAC, ND BOF. NU pmp tee. RIH w/pmp & rods. Space out pmp & clamp off. Start well pmpg.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-162  
Supersedes C-12  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator <b>MERIDIAN OIL COMPANY</b>			Lease <b>SHINNERY-FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>K</b>	Section <b>13</b>	Township <b>18-SOUTH</b>	Range <b>32-EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well:					
1980 feet from the <b>SOUTH</b> line and		1980 feet from the <b>WEST</b> line			
Ground Level Elev. <b>3831'</b>	Producing Formation <b>Queen</b>	Pool <b>Wildcat</b>	Dedicated Acreage: <b>80</b> 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 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 Commission.

55143	AMOCO 40450	MOBIL 0392867	MERIDIAN OIL Inc. 33438
BUDJOY 56745	BUDJOY 56745	MOBIL 0392867	MOBIL 0392867
MERIDIAN OIL INC. 32410	32410	HNG 53239	HNG 53239
MEWBOURNE OIL 68817,62800	68817,62800	HNG 53239	HNG 53239

U.S.                      U.S.

**CERTIFICATION**

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

Name  
**Cathy Nokes**  
Position  
**Operations Tech III**  
Company  
**Meridian Oil Inc.**  
Date  
**10/21/88**

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  
**January 18, 1989**  
Registered Professional Engineer and/or Land Surveyor  
**GARY D. FOSWELL**  
Certificate No.  
**6689**

RECEIVED

NOV 9 1968

COO  
MOBSS OFFICE