

Form 3160-3
(July 1989)
(formerly 9-331C)

N. M. OIL FIELD
P. O. BOX 1
HOBBS, NEW MEXICO 88240
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECORDING
OFFICE FOR NUMBERING
OF COPIES REQUIRED
(Other instructions on
reverse side)
RECEIVED

30-025-30975
BLM Roswell District
Modified Form No.
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-12412	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Meridian Oil Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 21 Desta Dr., Midland, TX 79705		8. FARM OR LEASE NAME Federal "AW"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FSL & 2310' FEL At proposed prod. zone Same <i>unit 0</i>		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 Miles north of Halfway, NM.		10. FIELD AND POOL, OR WILDCAT East Lusk (Delaware)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T19S, R32E	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3762'		19. PROPOSED DEPTH 7800'	
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) 3577' GR.	
22. APPROX. DATE WORK WILL START* 15 August 1990			

23. **PROPOSED CASING AND CEMENTING PROGRAM**

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	K-55	STC	350'	350 sx-Circ.
12-1/4"	8-5/8"	24# & 28#	K-55	STC	4500'	2275 sx-Circ.
7-7/8"	5-1/2"	17#	K-55	STC	7800'	750 sx

Drill 17-1/2" hole to 350' & set 13-3/8" csg. Cmt. w/ 350 sx Class C-circulate.
Drill 12-1/4" hole to 4500' & set 8-5/8" csg. Cmt.: 1st Stage--lead w/ 575 sx Lite C & tail w/250 sx Class C.
2nd Stage--lead w/ 1150 sx Lite C & tail w/300 sx C. DV tool @2900'.
Drill 7-7/8" hole to 7800' to test Delaware. If commercial, run 5-1/2" csg to 7800' & cmt w/sufficient volume to bring cmt to about 4000'. Perf. & stimulate the Delaware for production.

MUD PROGRAM: 0-350' spud mud; 350'-4500' brine; 4500'-7000' cut brine and sweeps (chlorides 30,000+ ppm); 7000'-TD cut brine and drispac. MW 9.0-9.2 (solids must be <5% w/VIS 32-36).

BOP PROGRAM: 13-3/8"-2M annular BOP to be installed on the 13-3/8" csg. 11"-3M stack to be installed on the 8-5/8" and left for the remainder of the drilling. The stack is to consist of an annular BOP, a blind ram BOP, and one pipe ram BOP. Test the BOP's using an independent tester after setting the 8-5/8" csg.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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. *Robert L. Bracklow* TITLE **Sr. Staff Env./Reg. Spec.** DATE **26 July 1990**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
Orig. Signed by *Richard A. Morris* AREA MANAGER
APPROVED BY _____ TITLE *DRILLSITE RESOURCE AGR.* DATE **8-14-90**
CONDITIONS OF APPROVAL, IF ANY:

***See Instructions On Reverse Side**

TITLE 18 U.S.C. SECTION 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BLOWOUT PREVENTION EQUIPMENT
 10" 900s ALL FLANGED EQUIPMENT
 5,000# WORKING PRESSURE - 10,000# TEST

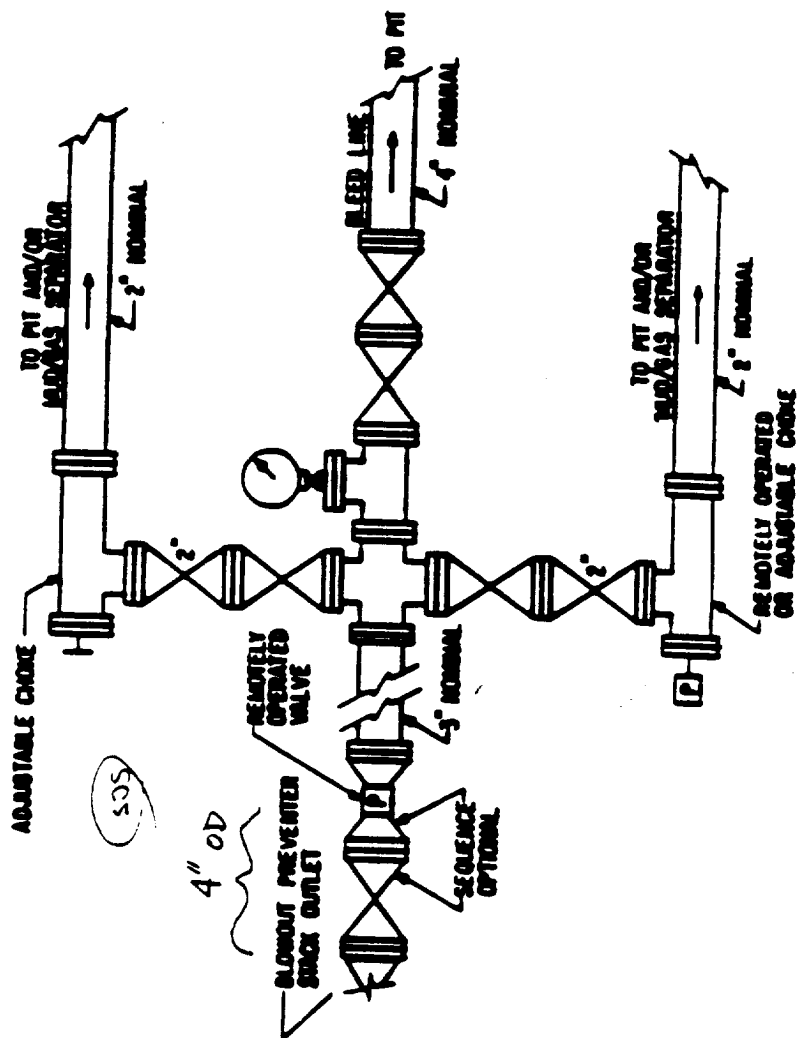
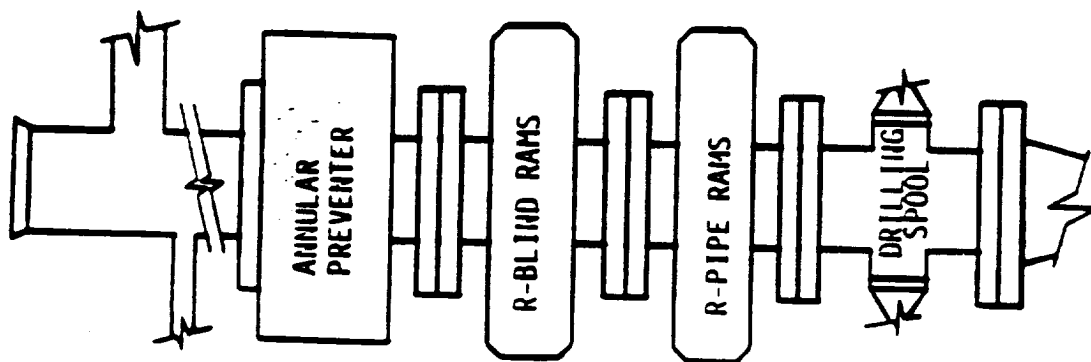


FIG. 8.A.8
 TYPICAL CHOKES MANIFOLD ASSEMBLY FOR 6M
 RATED WORKING PRESSURE SERVICE -
 SURFACE INSTALLATION

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

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT
All distances must be from the outer boundaries of the section

Operator MERIDIAN OIL INC.		Lease FEDERAL "AW"		Well No. 2	
Cont. Letter 0	Section 28	Township 19-SOUTH	Range 32-EAST	County NMPM	LEA
Actual Footage Location of Well					
330 feet from the		SOUTH	line and	2310 feet from the	EAST line
Ground Level Elev. 3577'	Producing Formation DELAWARE		Pool EAST LUSK	Dedicated Acreage 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 communization, unitization, forced-pooling, etc.?
☐ Yes ☐ No If answer is "yes", type of consolidation _____
If the answer is "no", list the owners and tract descriptions which have actually been consolidated. (Use the reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communization, 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 herein is true and complete to the best of my knowledge and belief.

Signature
Robert L. Bradshaw

Printed Name
Robert L. Bradshaw

Position
Sr. Staff Env./Reg. Spec.

Company
Meridian Oil Inc.

Date
11 July 1990

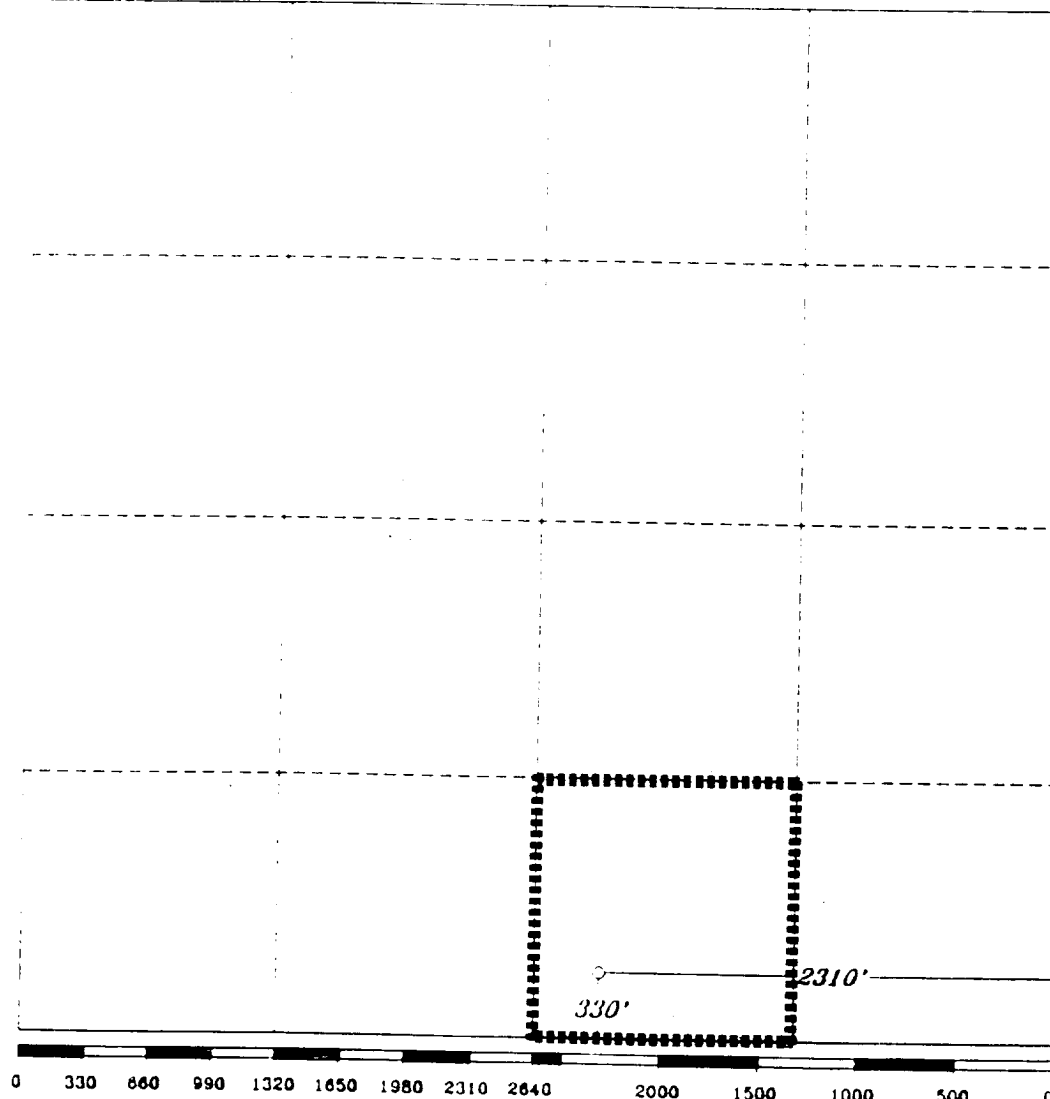
SURVEYOR CERTIFICATION

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
JULY 2, 1990

Signature and Seal of Professional Surveyor
V. LYNN BEZNER
NO. 7920

Certificate No.
V. LYNN BEZNER, No. 7920



ELF
10/24/90

AUG 1 1990