

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

50-025-30441
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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 NUMBER AND SERIAL NO. NM-53239
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <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 Drive, Midland, Texas 79705		8. FARM OR LEASE NAME Shinnery Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 660' FEL, Sec. 13, T-18-S, R-32-E At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 10 miles south from Maljamar, New Mexico		10. FIELD AND POOL, OR WILDCAT S. Corbin (Wolfcamp)
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'	16. NO. OF ACRES IN LEASE 80	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T-18-S, R-32-E
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA	19. PROPOSED DEPTH 12,500'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3837' GR		13. STATE N.M.
22. APPROX. DATE WORK WILL START 8-6-88		

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"	48#	350'	350 sx. Circulate
12 1/4"	8 5/8"	24 & 28#	3000'	1200 sx. Circulate
7 7/8"	5 1/2"	15.5 & 17#	12,500'	2400 sx. TOC @ 2700'

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @ 350'. Cmt w/350 sx Cl "C" w/2% CaCl2. Circ. Drill 12 1/4" hole to 3000'. Set 8 5/8" csg @ 3000'. Lead w/+1000 sx Cl "C" Lite & tail in w/200 sx Cl "C". Circ. Drl to TD to test Bone Spring & Wolfcamp. If commercial, run 5 1/2" csg to 12,500'. Cmt w/sufficient volume to bring above all prospective zones. Est TOC @ 2700'. Perf & stimulate Wolfcamp for production.

MUD PROGRAM: 0-350' spud mud; 350-3000' brine; 3000-10,300' cut brine & sweeps (chlorides 30,000+); 10,300-TD cut brine & Drispac. MW 9-9.2, VIS 32-36 (solids must be less than 5%)

BOP PROGRAM: 13 5/8"-3M annular BOP to be installed on 13 3/8" csg. 11"-5M stack to be installed on 8 5/8" & left on for remainder of drlg. Stack to consist of BOP, choke manifold, annular & rotating head as follows: 1-spool w/kill & choke lines; 1-11"-5M W.P. Double BOP (pipe & blind rams); 1-11"-3M W.P. Annular Preventer' 1-Rotating head to be installed above Wolfcamp. Will test to rated working press w/independent tester on initial NU & prior to drlg into Wolfcamp. Annular test = 50% of rated W. P. PVT/Flo-sensor to be installed prior to drlg into Wolfcamp.

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.

SIGNED Cathy Wokes TITLE Operations Tech III DATE 6/28/88
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Edwin Aragon TITLE CARLSBAD RESOURCE AREA DATE 8/3/88
COMMENTS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

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

Form C-162
Supersedes C-14
Effective 1-1-88

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

Operator MERIDIAN OIL COMPANY				Lease FAY SHINNERY/FEDERAL		Well No. 1
Unit Letter I	Section 13	Township 18-S	Range 32-E	County LEA		
Actual Footage Location of Well:						
1980 feet from the SOUTH line and		660 feet from the EAST line				
Ground Level Elev. 3837'	Producing Formation Wolfcamp		Pool S. Corbin	Dedicated Acreage: 80		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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		MERIDIAN OIL INC. 53239	
MEWBOURNE OIL 68817,62800		68817,62300	53239 1980'

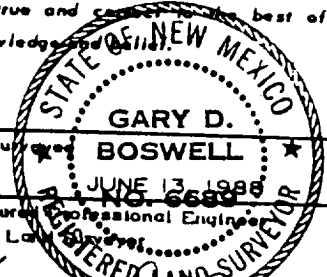
CERTIFICATION

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

Cathy Nokes

Name
Cathy Nokes
Position
Operations Tech III
Company
Meridian Oil Inc.
Date
6/28/88

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
JUNE 13, 1988
Registered Professional Engineer
and of Land Surveyor
Gary D. Boswell
Certificate No.
6689

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

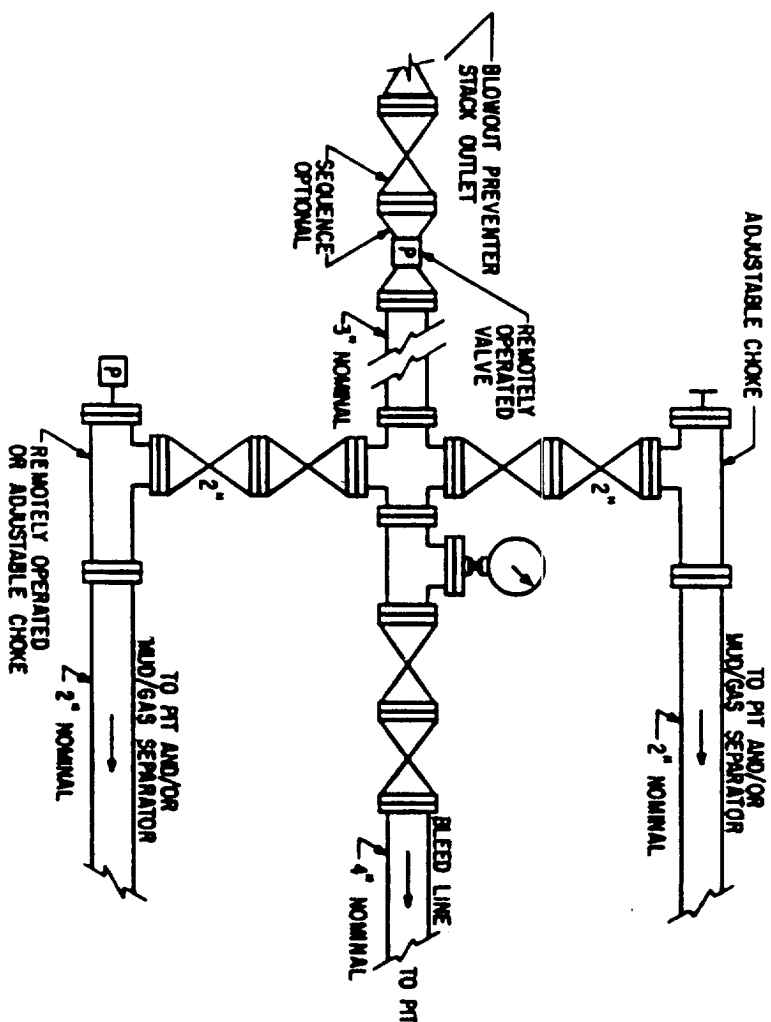
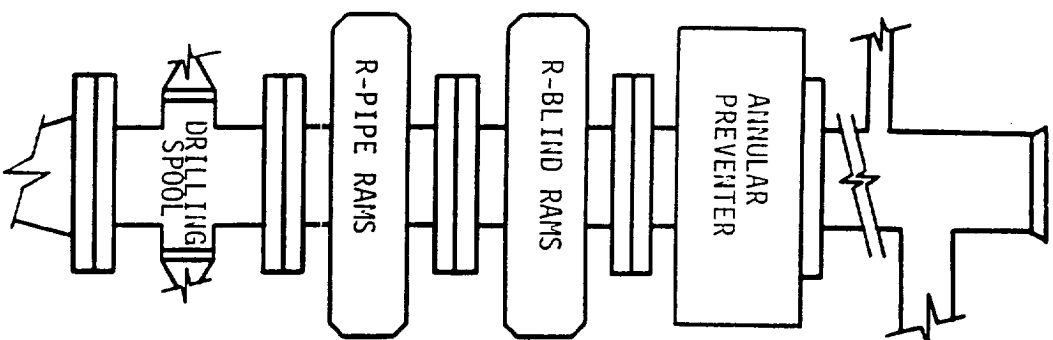


FIG. 3.A.2

TYPICAL CHOKE MANIFOLD ASSEMBLY FOR 5M
 RATED WORKING PRESSURE SERVICE -
 SURFACE INSTALLATION