

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONTACT RECEPTION  
OFFICE FOR NUMBER OF COPIES REQUIRED  
(Other instructions on reverse side)

BLM Roswell District  
Modified Form No. 1  
NM060-3160-2-1  
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>July 7 NM-0311 '00</b>	
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 <b>CAP</b>	
2. NAME OF OPERATOR <b>Southland Royalty Company</b>		7. UNIT AGREEMENT NAME <b>111</b>	
3. ADDRESS OF OPERATOR <b>21 Desta Dr., Midland, TX 79705</b>		8. FARM OR LEASE NAME <b>West Corbin Federal</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>2130' FSL &amp; 660' FWL</b> At proposed prod. zone		9. WELL NO. <b>23</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>12 miles southeast of Maljamar, NM</b>		10. FIELD AND POOL, OR WILDCAT <b>South Corbin (Wolfcamp)</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>660'</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 18, T18S, R33E</b>	
16. NO. OF ACRES IN LEASE <b>640</b>		12. COUNTY OR PARISH <b>Lea</b>	
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>80</b>		13. STATE <b>NM</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>1535'</b>		20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
19. PROPOSED DEPTH <b>11,500'</b>		22. APPROX. DATE WORK WILL START* <b>10 July 1990</b>	
21. ELEVATIONS (Show whether DF, RT, GR, ETC.) <b>3841' GR.</b>			

23. PROPOSED CASING AND CEMENTING PROGRAM							Capitan Controlled Water Basin
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	2900'	1400 sx-Circ.	
7 7/8"	5 1/2"	15.5# & 17#	K-55	STC	11,500'	2100 sx	

Drill 17 1/2" hole to 350'. Set 13 3/8" csg @350' & cmt w/350 sx Class C. Circ. Drill 12 1/4" hole to 2900'. Run fluid caliper. Set 8 5/8" csg @2900'. Cmt: Lead w/1200 sx Lite C & tail in w/200 sx Class C. Circulate. Drill to TD to test Middle and Lower Wolfcamp. If commercial, run 5 1/2" csg to 11,500'. Cmt w/sufficient volume to bring cmt above all prospective zones. Est. TOC @2900'. Perf. and stimulate the Wolfcamp for production.

MUD PROGRAM: 0-350' spud mud; 350'-2900' brine; 2900'-10,200' cut brine and sweeps (chlorides 30,000+ ppm); 10,200'-TD cut brine and Drispac. MW 9.0-9.2 (solids must be less than 5% w/VIS 32-36).

BOP PROGRAM: 13 5/8" 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 remainder of drilling. The stack is to consist of an annular BOP, a blind ram BOP, and one pipe ram BOP. Test the BOP's after setting the 8 5/8" csg using an independent tester.

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. SIGNED Robert L. Bradshaw TITLE Sr. Staff Env./Reg. Spec. DATE 05 June 1990

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Deanna Street TITLE AREA 101 DATE 7-3-90  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

# OIL CONSERVATION DIVISION

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**DISTRICT II**  
P.O. Drawer DD, Artesia, 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 <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>WEST CORBIN FEDERAL</b>		Well No. <b>23</b>
Unit Letter <b>L</b>	Section <b>18</b>	Township <b>18-SOUTH</b>	Range <b>33-EAST</b>	County <b>NMPM LEA</b>	
Actual Footage Location of Well: <b>2130'</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>WEST</b> line					
Ground level Elev. <b>3841'</b>	Producing Formation <b>WOLFCAMP</b>		Pool <b>SOUTH CORBIN</b>		Dedicated Acreage: <b>84.33 80 Acres</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

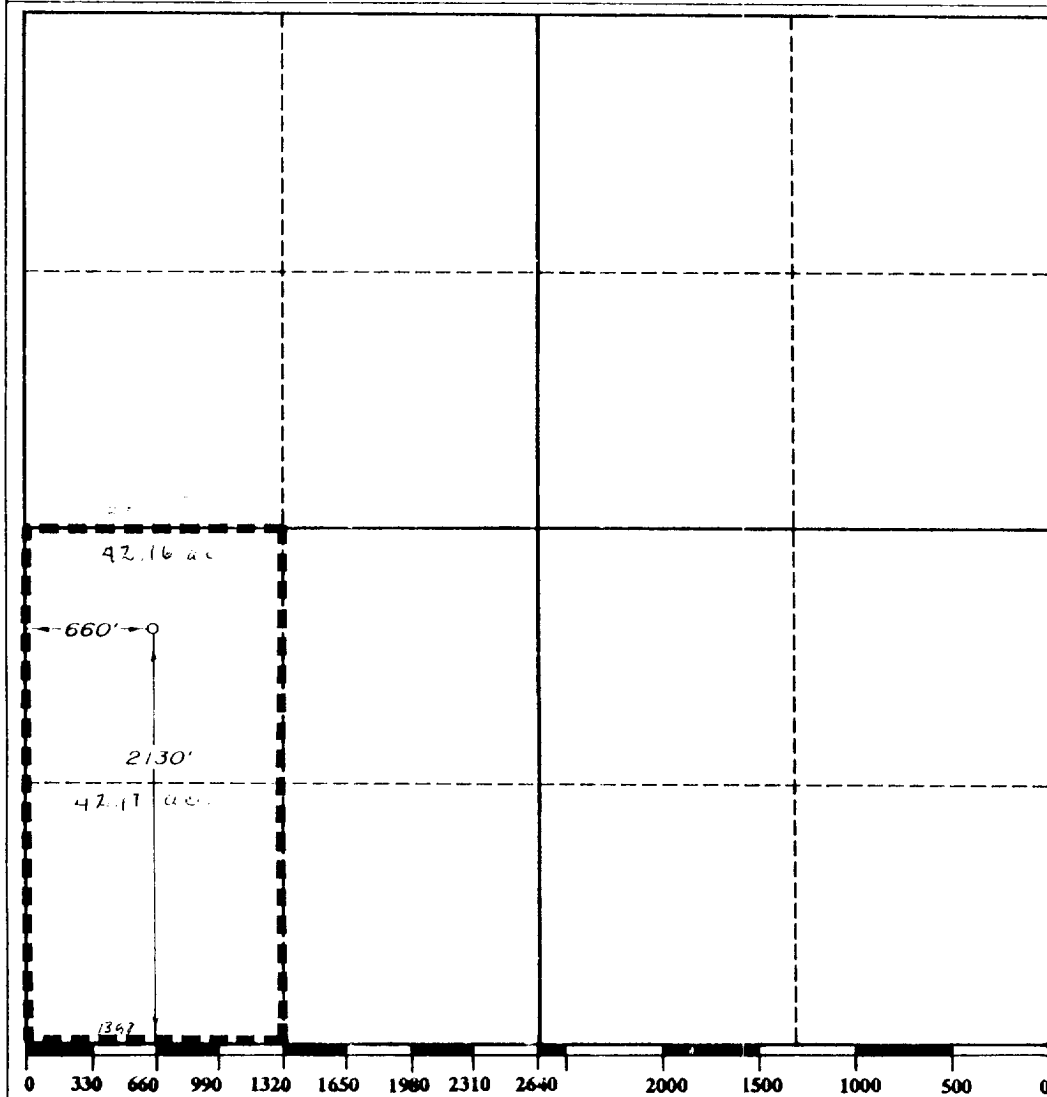
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

**Robert L. Bradshaw**  
Position Sr. Staff Env./Reg. Spec.  
Company **Meridian Oil Inc.**

**05 June 1990**  
Date

### 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.

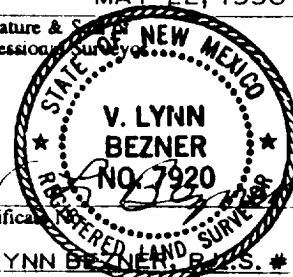
Date Surveyed

**MAY 22, 1990**

Signature & Seal  
Professional Surveyor

Certification

**V. LYNN BEZNER, P.E.S. # 7920**



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

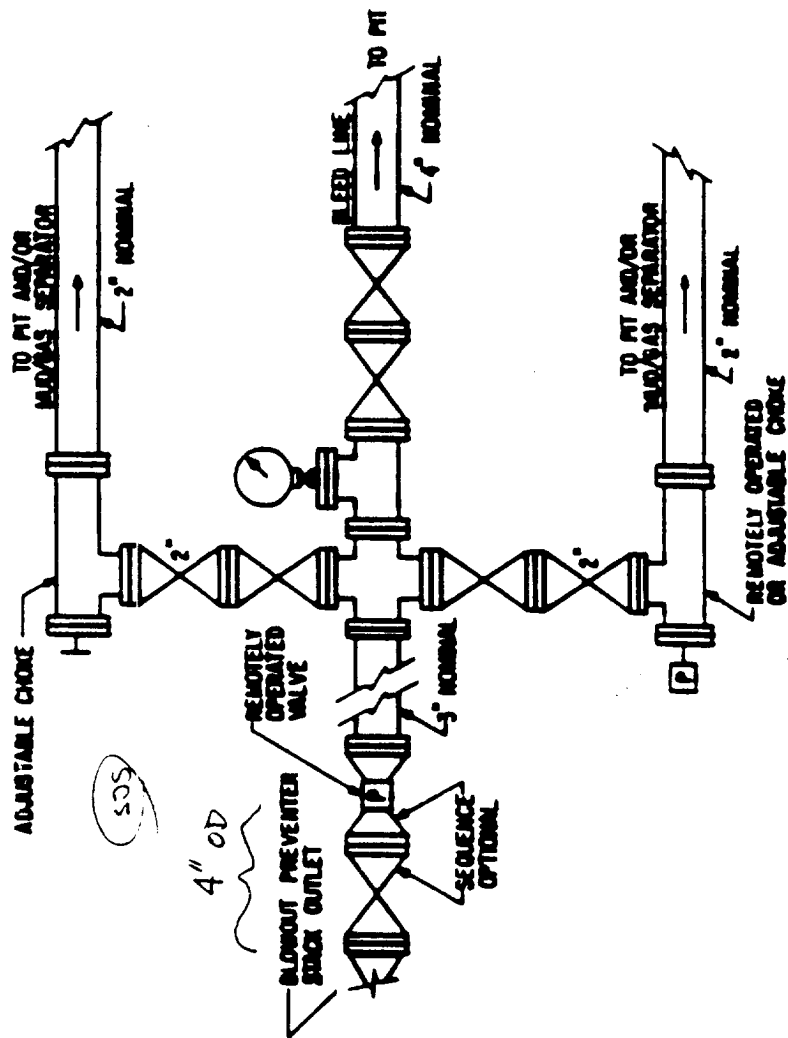
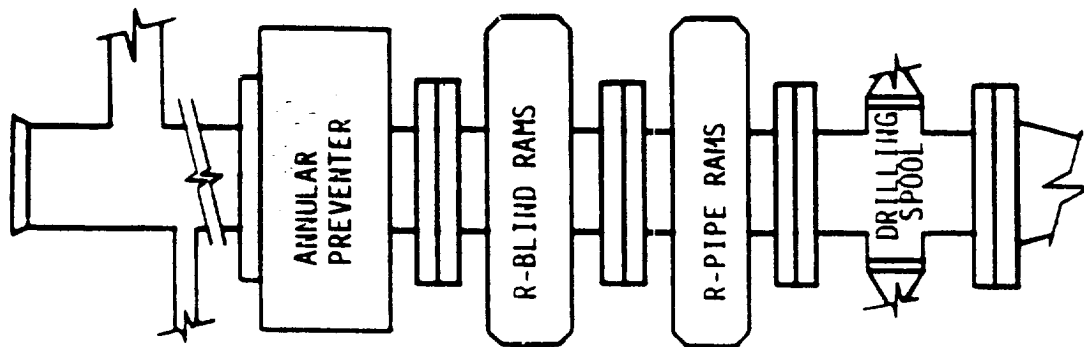


FIG. 3.A.2

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