

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State "AA"	
2. Name of Operator Foran Oil Company		9. Well No. 2-1	
3. Address of Operator 8340 Meadow Road, Suite 158, Dallas, Texas 75231		10. Field and Pool, or Wildcat Undesignated Lovington Penn. N.E.	
4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>810</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>12</u> TWP. <u>16S</u> RGE. <u>36E</u> NMPM		12. County Lea	
11. Elevations (Show whether DF, RT, etc.) 3867.8 GL		19. Proposed Depth 12,300'	19A. Formation Wolfcamp-Strawn
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Moranco Drilling, Inc.	20. Rotary or C.T. Rotary
22. Approx. Date Work will start 1-23-89			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2 in.	13-3/8 in.	61 lb.	400 ft.	420	surface
11 in.	8-5/8 in.	32 lb.	4,700 ft.	1,550	surface
7-7/8 in.	5-1/2 in.	17 & 20 lb.	12,300 ft.	1,550	4,700 ft.

- (1) Drill surface hole with fresh water spud mud to about 400 ft. and set 13-3/8 in. surface casing as indicated above, circulate cement to surface.
- (2) Drill out from surface casing with fresh water mud to 2,000 ft. using 2-3% oil to retard swelling of and bit drag in Red Beds. Add brine water below 2,000 ft. and to a depth of 4,700 ft. to prevent washout in salt sections. Set 8-5/8 in. intermediate casing at 4,700 ft. and circulate cement to surface.
- (3) Drill out from intermediate casing with fresh water to a depth of 10,000 ft. Mud up and displace fresh water with brine water system, drill to 12,300' or 50 ft. into the Mississippian, maintaining water loss @ 8-12 cc/30 min. If productive, set 5-1/2 in. casing @ TD and bring cement top to 4,700 ft. using DV tool.
- (4) BOP will be installed on 8-5/8 in. casing and tested (see 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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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

Signed Jerry M. Carter Title Executive Vice President Date January 12, 1989

(This space for State Use)
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE JAN 16 1989

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

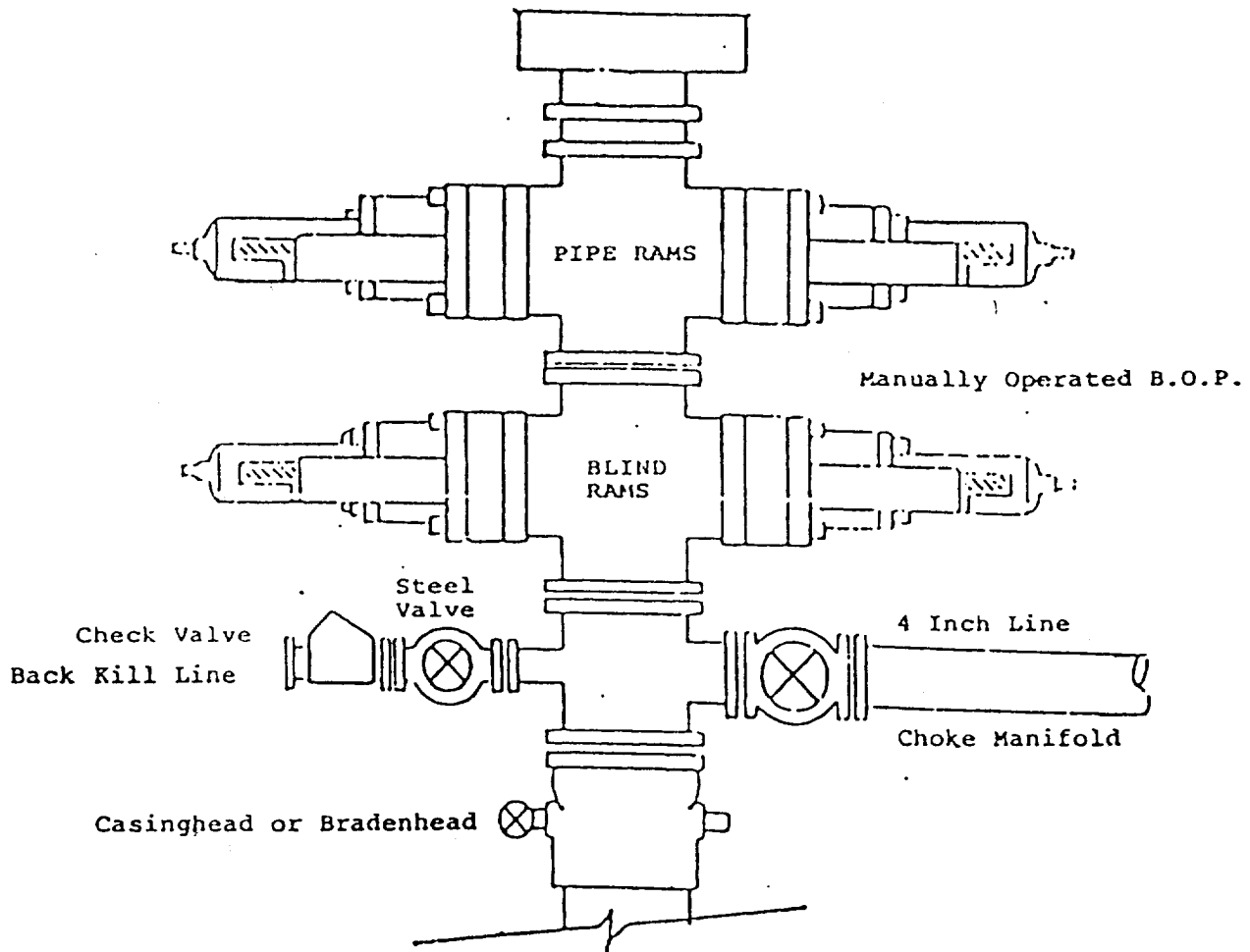
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JAN 13 1989

OCE
HOBBS OFFICE

BOP DIAGRAM

RATED 3000#



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

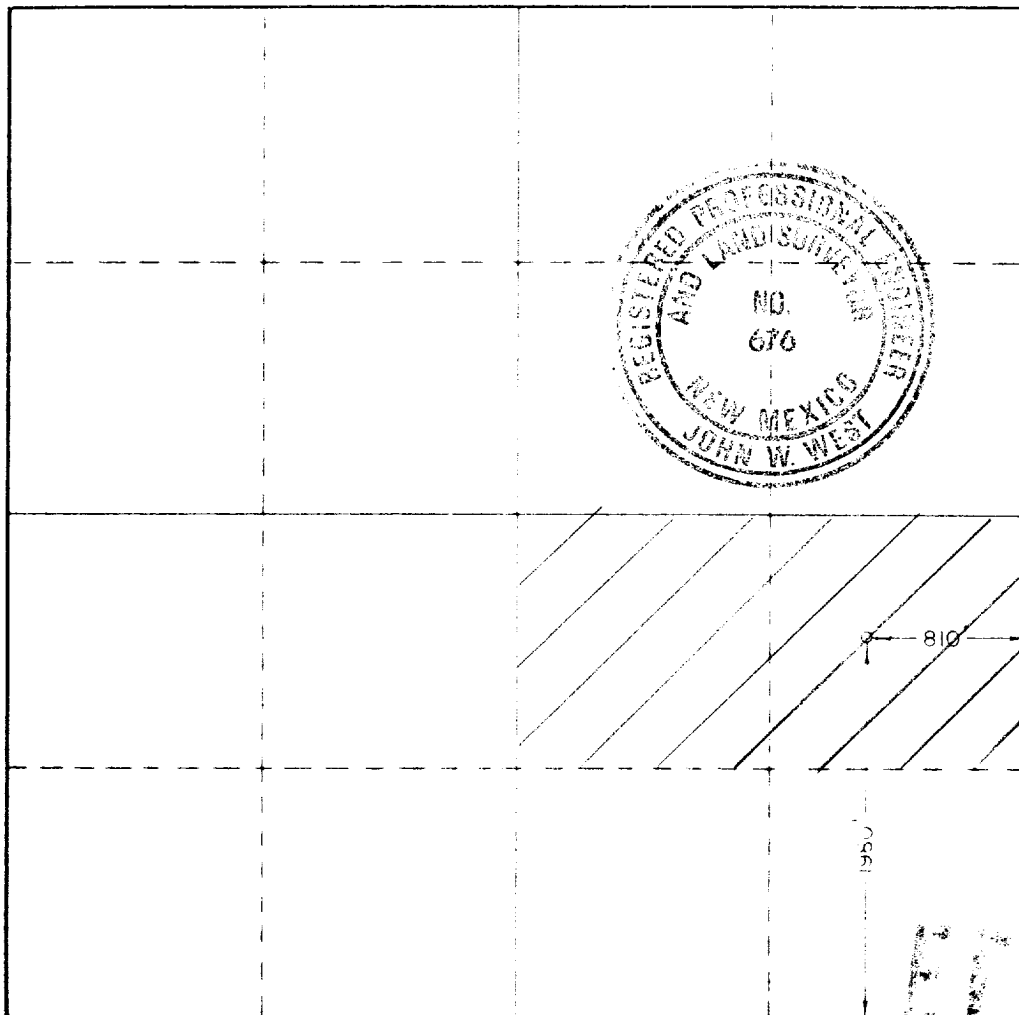
Operator Foran Oil Company			Lease State 12 "AA"			Well No. 1		
Section Letter 1	Section 12	Township 16 South	Range 36 East	County Lea				
Actual Portage Location of Well: 1980 feet from the South line and 810 feet from the East line								
Ground Level Elev. 3867.8	Producing Formation Wolfcamp & Strawn		Foot Undesignated Lovington Penn, NE			Dedicated Acreage: 80 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.



CERTIFICATION

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

Les M. Carnes

Name

Les M. Carnes

Position

Executive Vice President

Company

Foran Oil Company

Date

January 12, 1989

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 9, 1989

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST, 676**

RONALD J. EIDSON, 3239

68-3-3-89
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