

N. M. Oil Cons. Division
811 S. 1st St. N. M. 88210-2834
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN**1a. TYPE OF WORK****DRILL** ☒**DEEPEN** ☐**b. TYPE OF WELL**OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐**2. NAME OF OPERATOR**

Mewbourne Oil Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 5270, Hobbs, NM 88241 (505) 393-5905

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1980' FSL & 660' FEL

At proposed prod. zone

1980' FSL & 660' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6 miles ESE from Artesia, New Mexico

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

660'

16. NO. OF ACRES IN LEASE

320

**17. NO. OF ACRES ASSIGNED
TO THIS WELL**

320

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

3675'

19. PROPOSED DEPTH

9250'

20. ROTARY OR CABLE TOOLS

Rotary

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

3389' GR

22. APPROX. DATE WORK WILL START*

09/15/99

23.**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	H40, 13-3/8"	48#	325	350 sacks, circulated to surface
12-1/4"	J55, 8-5/8"	32#	1500'	900 sacks, tied back to surface casing
7-7/8"	N80, 5-1/2"	17#	9250'	600 sacks

Mewbourne Oil Company proposes to drill to a depth sufficient to test the Morrow Formation for gas. If productive, 5-1/2" casing will be run and cemented at total depth. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulations. Specific programs are outlined in the following attachments:

Exhibit #1 Location and Elevation Plat
Exhibit #2, #2A Blowout Preventer and Choke Manifold Schematic
Exhibit #3, #3A Map of Existing and Planned Access Road with Location
Exhibit #4 Immediate Radius Map
Exhibit #5 Proposed Drilling Rig Schematic
Exhibit #6 Proposed Site Facility Diagram
H2S Drilling Operations Plan with Drilling Rig Schematic for H2S

Post ID-1
9-3-99
API & loc

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, 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

TITLE District Manager

DATE 07/26/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

Acting

APPROVED BY

(ORIG. SGD.) ARMANDO A. LOPEZ

TITLE

Assistant Field Office Manager,

Lands and Minerals

DATE

8/27/99

***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.

APPROVED FOR 1 YEAR

RECEIVED
JUN 28 1999
E. L. ROSWELL, NM

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name <i>Logan Draw Morrow</i>
Property Code	Property Name FEDERAL "R"	Well Number 2
OGRID No. <i>14744</i>	Operator Name MEWBOURNE OIL COMPANY	Elevation 3389

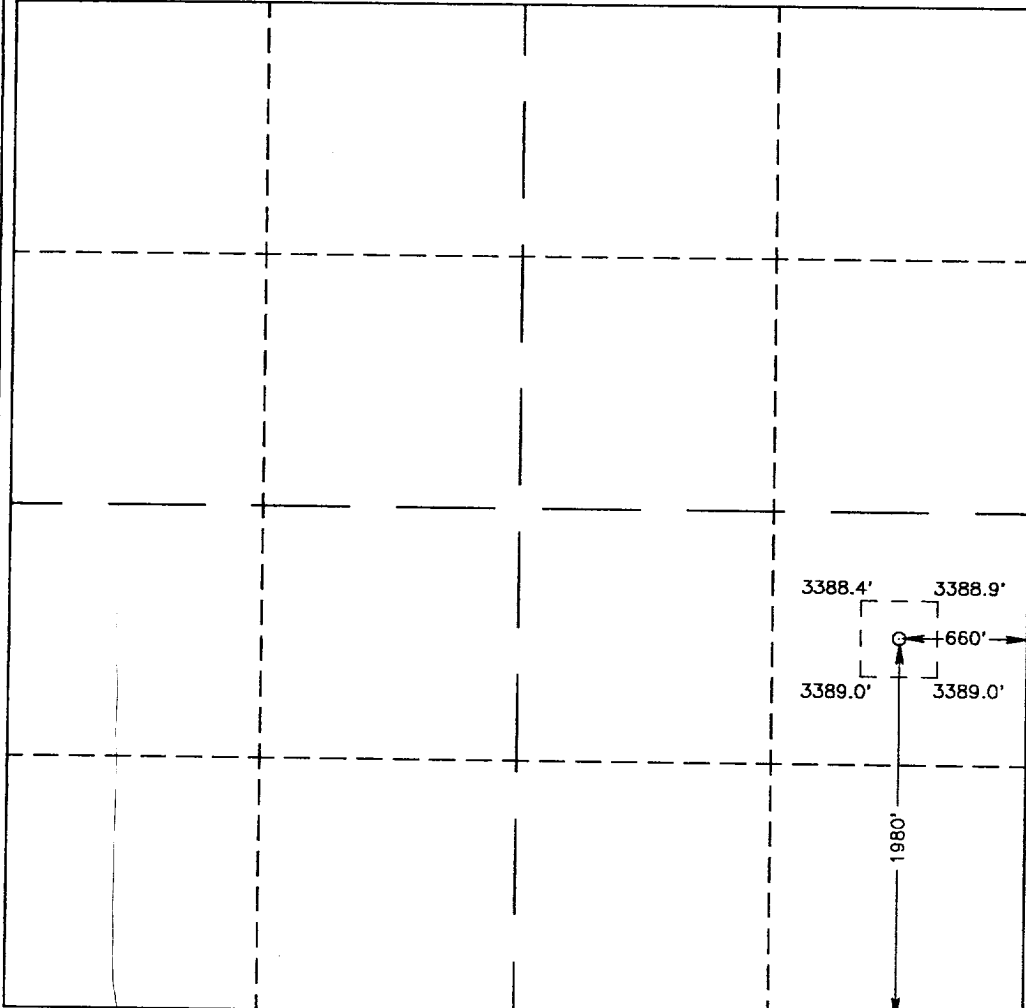
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	17	17 S	27 E		1980	SOUTH	660	EAST	EDDY

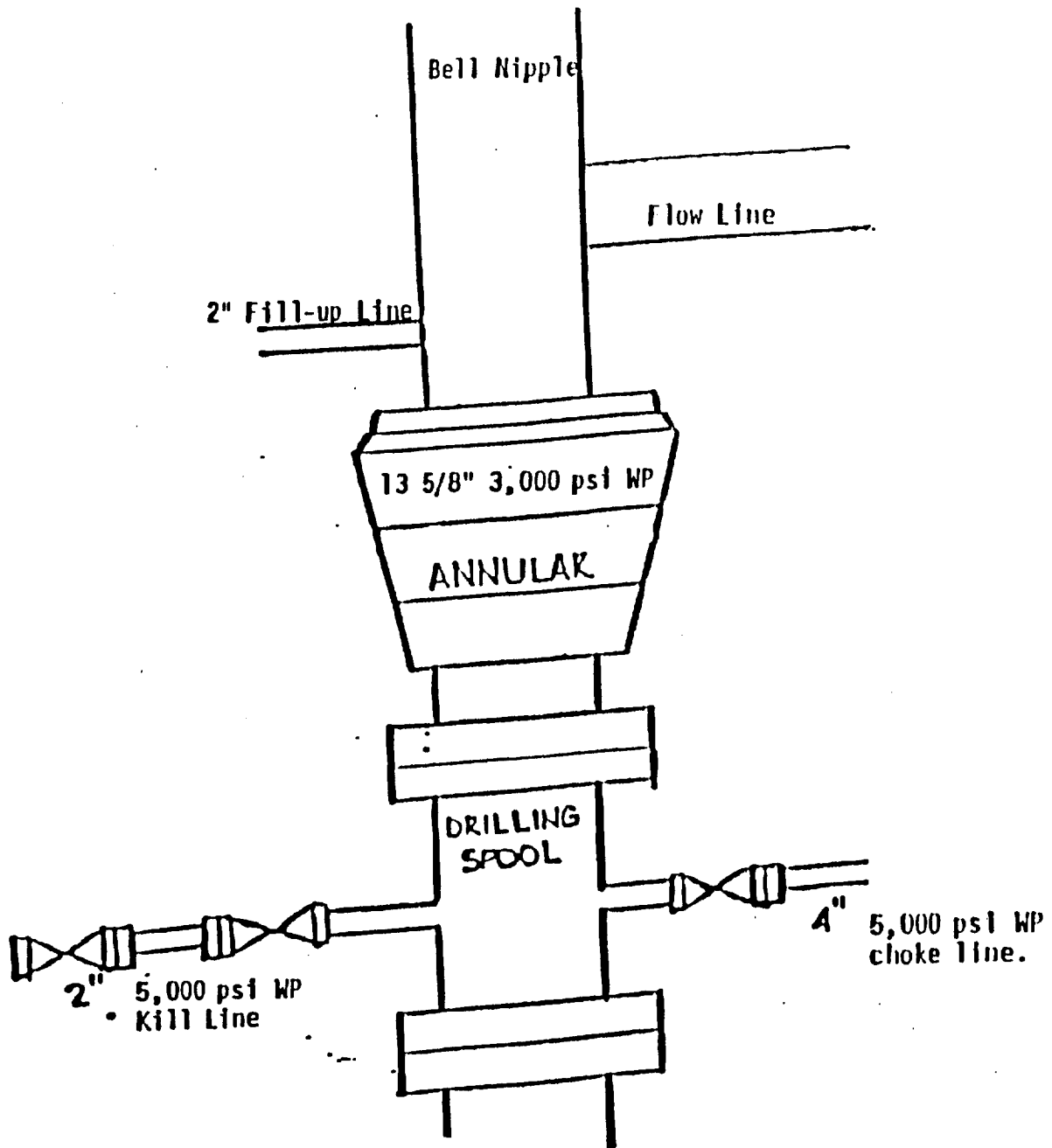
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Jerry Elgin</i> Signature Jerry Elgin Printed Name District Manager Title 26 July 1999 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>JULY 9, 1999 Date Surveyed JLP</p>
	<p>Signature of Surveyor Professional Surveyor NEW MEXICO 7-12-99 P.W.O. Num. 89-120579</p>
	<p>Certificate No. RONALD D. EDSON, 3239 EDSON, 12641 EDSON, 12185</p>

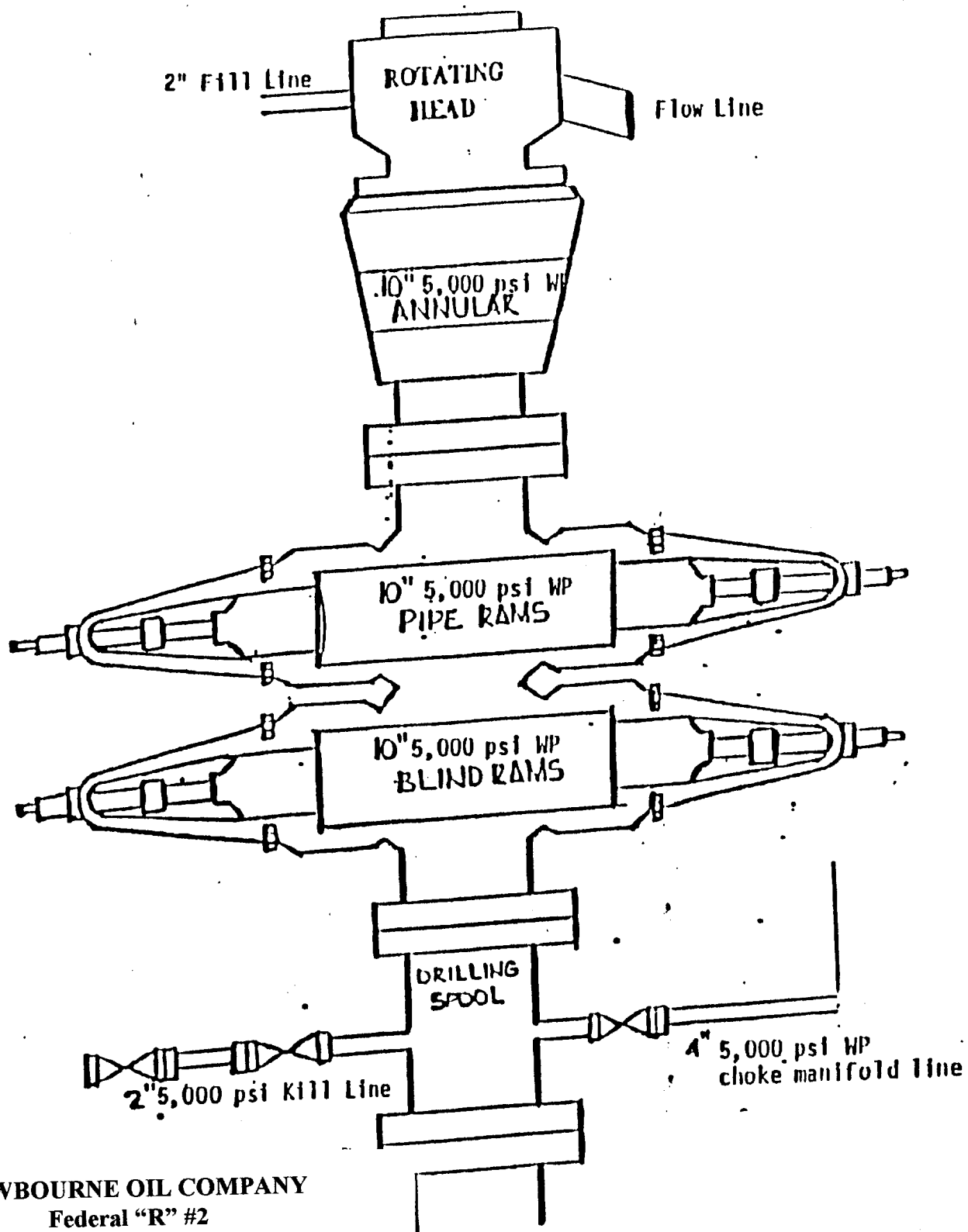
BOP SCHEMATIC
12 1/4" Intermediate Hole



MEWBOURNE OIL COMPANY
Federal "R" #2
1980' FSL & 660' FEL
Section 17-T17S-R27E
Eddy County, New Mexico
Lease Number NM-20351

EXHIBIT #2

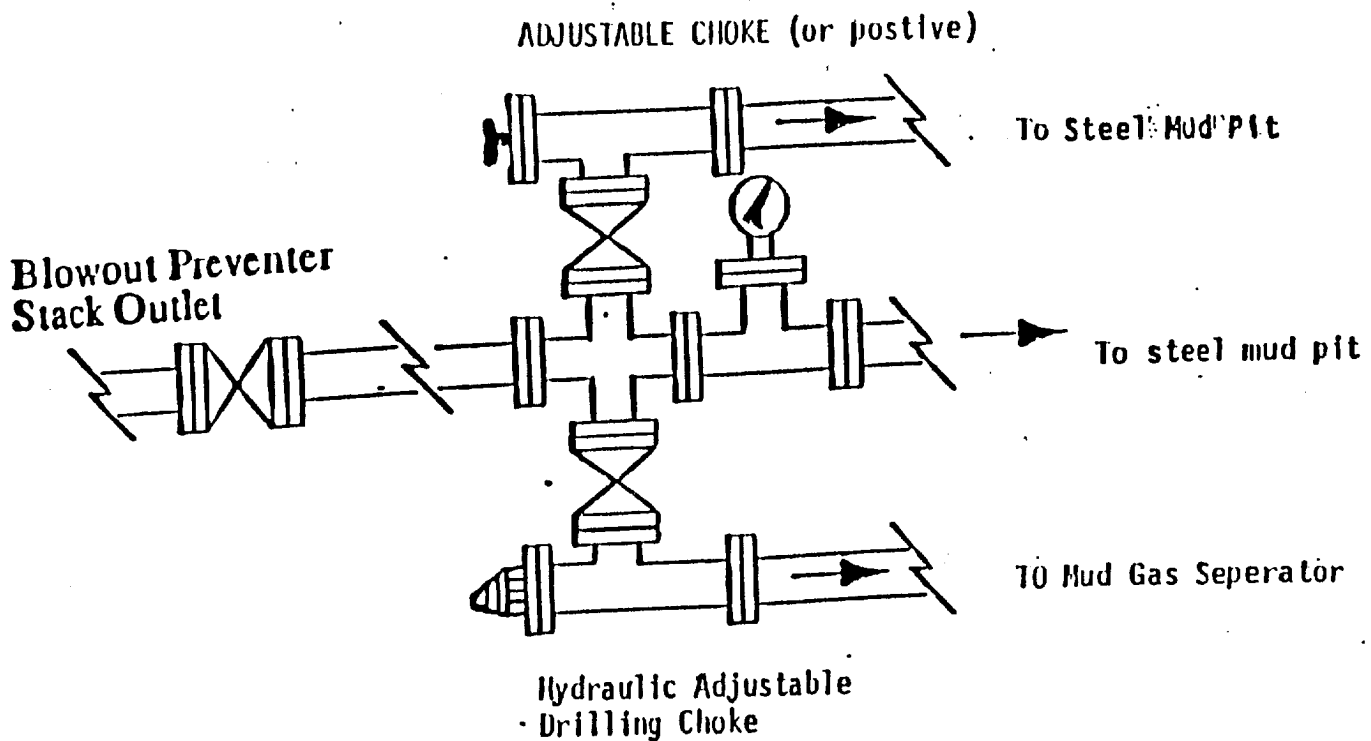
BOP SCHEMATIC
PRODUCTION HOLE



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EXHIBIT #2A

CHOKE MANIFOLD
(5,000 psi upstream WP)



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1980' FSL & 660' FEL
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Eddy County, New Mexico
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EXHIBIT #2A - CONT'D

NOTES REGARDING BLOWOUT PREVENTER

MEWBOURNE OIL COMPANY

Federal "R" #2

1980' FSL & 660' FEL

Section 17-T17S-R27E

Eddy County, New Mexico

Lease Number NM-20351

1. Drilling nipple (bell nipple) to be constructed so that it can be removed without the use of a welder through the opening of the rotary table, with minimum internal diameter equal to blowout preventer bore.
2. Blowout preventer and all fittings must be in good condition with a minimum 2000 psi working pressure.
3. Safety valve must be available on the rig floor at all times with proper connections to install in the drill string. Valve must be full bore with minimum 2000 psi working pressure.
4. Equipment through which bit must pass shall be at least as large as internal diameter of the casing.
5. A kelly cock shall be installed on the kelly at all times.
6. Blowout preventer closing equipment to include an accumulator of at least 40 gallon capacity, two independent sources of pressure on closing unit, and meet all other API specifications.

DRILLING PROGRAM
MEWBOURNE OIL COMPANY
Federal "R" #2
1980' FSL & 660' FEL
Section 17-T17S-R27E
Eddy County, New Mexico
Lease Number NM-20351

1. The estimated top of geological markers are as follows:

Yates	350'
San Andres	1180'
Abo	4640'
Wolfcamp	6200'
Cisco	7050'
Canyon	7650'
Strawn	8250'
Atoka	8560'
Morrow	8810'

2. Estimated depths of anticipated fresh water, oil, or gas:

Water	Approximately 200'
Hydrocarbons	All zones below San Andres

3. Pressure control equipment:

Two thousand psi working pressure mini BOP's will be installed on the 13-3/8" surface casing. Pressure tests will be conducted prior to drilling out under all casing strings. BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOP's will be inspected and operated daily to insure mechanical integrity and the inspection will be recorded on the daily drilling report.

Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the kelly is not in use.

4. Proposed casing and cementing program:

A. Casing program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft.</u>	<u>Grade</u>	<u>Depth</u>
17-1/2"	13-3/8"	48#	H40	0-350'
12-1/4"	8-5/8"	24#, 32#	J55	0-1500'
7-7/8"	5-1/2"	17#	J55, N80	0-9250'

