

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-101

Revised June 10, 2003

Submit to appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Mewbourne Oil Company P.O. Box 5270 Hobbs, New Mexico 88241		² OGRID Number 14744
³ Property Code		³ API Number 30 - 015 - 32845
⁵ Property Name Winchester "36" State		⁶ Well No. #1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	19S	28E		1880	South	1980	West	Eddy

⁸ Proposed 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

⁹ Proposed Pool 1

Winchester Morrow

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3293'
¹⁶ Multiple No	¹⁷ Proposed Depth 11,600'	¹⁸ Formation Morrow	¹⁹ Contractor Unknown	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	350'	400	Circ to surface
12 1/4"	8 5/8"	32#	2500'	1200	Circ to surface
7 7/8"	5 1/2"	17#	11,600'	1000	500' above Wolfcamp
Set 13 3/8" casing above Salt @ 300 - 350'					

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

BOP Program: 2k 13 5/8" Annular preventer from surface casing to intermediate TD. 3k 11" Double-ram hydraulic BOP and 3k 11" Annular preventer from intermediate casing to TD. Rotating head, PVT, Flow Monitor and mud/gas separator from the Wolfcamp to TD.

Mud Program: 0-350' Fresh water spud mud with lime for pH control and LCM as needed for seepage.

350-2500' Brine water with lime for pH control and LCM as needed for seepage.

2500-TD 8.6-10# cut brine with caustic for pH control, starch for WL control and LCM as needed for seepage.

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

Signature: *F.C. Lathan*

Printed name: F.C. Lathan

Title: Drilling Foreman

E-mail Address:

Date: 06/16/2003

Phone: (505) 393-5905

OIL CONSERVATION DIVISION

Approved by: *Sign W. Green*Title: *District Supervisor*

Approval Date: JUN 26 2003

Expiration Date: JUN 26 2004

Conditions of Approval:

Attached ☐

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999
Instruction on back
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 Winchester Morrow
Property Code	Property Name WINCHESTER "36" STATE	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3293

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	19S	28E		1880	SOUTH	1980	WEST	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.
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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

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>F.C. Lathan</u> Signature F.C. Lathan Printed Name Drilling Foreman Title 06/16/2003 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 belief. 6/10/2003 Date Surveyed Signature & Seal of Professional Surveyor Certificate No. Herschel L. Jones RLS 3640 WINCHESTER 36 GENERAL SURVEYING COMPANY				

0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0'

Mewbourne Oil Company
BOP Schematic for
12 1/4" Hole

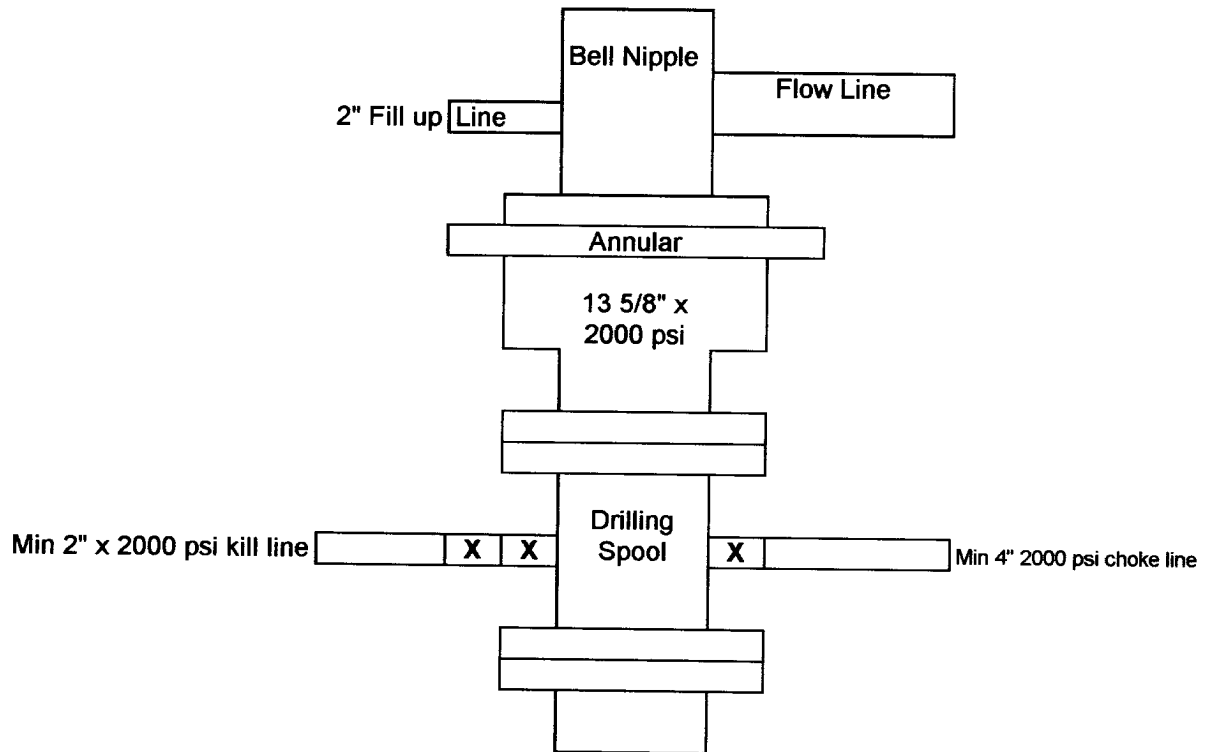


Exhibit #2

Winchester "36' State #1
1880' FSL & 1980' FWL
Sec 36, T19S, R28E
Eddy County, New Mexico

Mewbourne Oil Company
BOP Schematic for
7 7/8" Hole

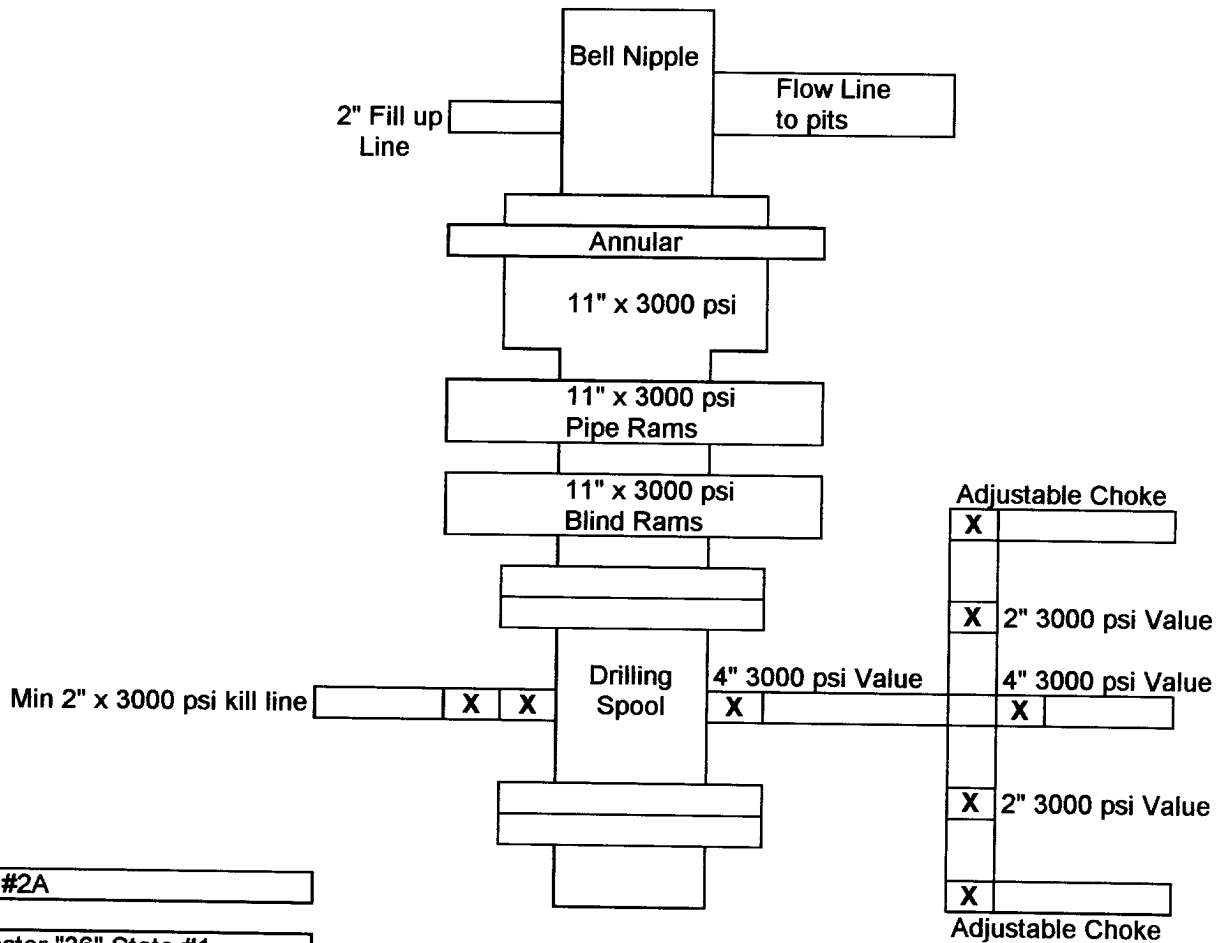


Exhibit #2A

Winchester "36" State #1
1880' FSL & 1980' FWL
Sec 36, T19S, R28E
Eddy County, New Mexico

Hydrogen Sulfide Drilling Operations Plan**Mewbourne Oil Company**

Winchester "36" State #1

1880' FSL & 1980' FWL

Section 36 - T19S - R28E

Eddy County, New Mexico

API# 30-015-

1. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad area of the well:

- A. The hazards and characteristics of hydrogen sulfide gas.
- B. The proper use of personal protective equipment and life support systems.
- C. The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
- D. The proper techniques for first aid and rescue operations.

Additionally, supervisory personnel will be trained in the following areas:

- A. The effects of hydrogen sulfide on metal components. If high tensile tubular systems are utilized, supervisory personnel will be trained in their special maintenance requirements.
- B. Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
- C. The contents of the Hydrogen Sulfide Drilling Operations Plan.

There will be an initial training session prior to encountering a known hydrogen sulfide source. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan.

2. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to drilling below the intermediate casing.

A. Well Control Equipment

- 1. Flare line with automatic igniter or continuous ignition source.
- 2. Choke manifold with minimum of one adjustable choke.
- 3. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- 4. Auxiliary equipment including rotating head and annular type blowout preventer.

B. Protective Equipment for Essential Personnel

Thirty minute self contained work unit located at briefing area as indicated on well site diagram.

C. Hydrogen Sulfide Protection and Monitoring Equipment

Two portable hydrogen sulfide monitors positioned on location for optimum coverage and detection. The units shall have audible sirens to notify personnel when hydrogen sulfide levels exceed 20 ppm.

D. Visual Warning Systems

1. Wind direction indicators as indicated on the well site diagram.
2. Caution signs shall be posted on roads providing access to location. Signs shall be painted a high visibility color with lettering of sufficient size to be readable at reasonable distances from potentially contaminated areas.

3. Mud Program

The mud program has been designed to minimize the amount of hydrogen sulfide entrained in the mud system. Proper mud weight, safe drilling practices, and the use of hydrogen sulfide scavengers will minimize hazards while drilling the well.

4. Metallurgy

All tubular systems, wellheads, blowout preventers, drilling spools, kill lines, choke manifolds, and valves shall be suitable for service in a hydrogen sulfide environment when chemically treated.

5. Communications

Communications in company vehicles and tool pushers are either two way radios or cellular phones.

6. Well Testing

Drill stem testing is not an anticipated requirement for evaluation of this well. A drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

Upon review of past drilling in this area, no appreciable amounts of H₂S should be encountered while drilling this well. This plan will be kept in place while drilling, however, to increase the overall safety for the personnel on site.



F.C. Lathan
Drilling Foreman