

District I
PO Box 1980, Hobbs, NM 88241-1980

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 & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-101

Revised October 18, 1994

Instructions on back

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

| | | |
|--|---|---------------------------------|
| Operator Name and Address Mewbourne Oil Company PO Box 5270 Hobbs, New Mexico 88241 | | OGRID Number 14744 |
| | | API Number 30 - 0 15 - 32718 |
| Property Code 28493 | Property Name Esperanza 15 State Com | Well No. 2 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B | 15 | 21S | 27E | | 660 | N | 1980 | E | Eddy |

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 |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Burton Flats Morrow | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|-------------------------|---------------------|----------------------|--------------------------------|
| Work Type Code N | Well Type Code G | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 3302 |
| Multiple | Proposed Depth 11900 | Formation Morrow | Contractor TBA | Spud Date |

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# H-40 | 400 | 400 sks | Surface |
| 12 1/4" | 8 5/8" | 32# J-55 | 2600 | 800 sks | Surface |
| 7 7/8" | 5 1/2" | 17# N & S | 11900 | 500 sks | Above Wolfcamp |
| | | | | | |
| | | | | | |

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.

0-400' Drill w/ FW & spud mud.
400-2600' Drill w/ FW. Sweep when needed.
2600-10,300' Drill w/ cut brine. Sweep when needed.
10,300-TD Drill w/ cut brine & mud.

Cement to cover all oil, gas and
water bearing zones.

BOP diagram's attached.

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

Signature:

Printed name: N.M. Young

Title: District Manager

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

APR 01 2003

Expiration Date:

APR 01 2004

NOTIFY OCD SPUD & TIME
TO WITNESS 8 5/8" CASING

DISTRICT -II

811 South First, Artesia, NM 88210

Instruction on back
Submit to Appropriate District Office

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

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 73280 | Pool Name Burton Flat Morrow |
| Property Code | Property Name ESPERANZA "15" STATE COM. | Well Number 2 |
| OGRID No. 14744 | Operator Name MEWBOURNE OIL COMPANY | Elevation 3302' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B | 15 | 21S | 27E | | 660 | NORTH | 1980 | 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 | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| 320 | | | |

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. Signature <u>N.M. Young</u> Printed Name <u>District Manager</u> Title _____ Date <u>3/26/03</u> | |
| | 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. Date Surveyed <u>2/10/2003</u> Signature & Seal of Professional Surveyor <u>Herschel E. Jones</u> Certificate No. <u>3640</u> <u>ESPERANZA 15-2</u> GENERAL SURVEYING COMPANY | |
| | MOC's Esperanza 15 #2 | |
| | 0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0' | |

Mewbourne Oil Company

BOP Schematic for

12 1/4" Hole

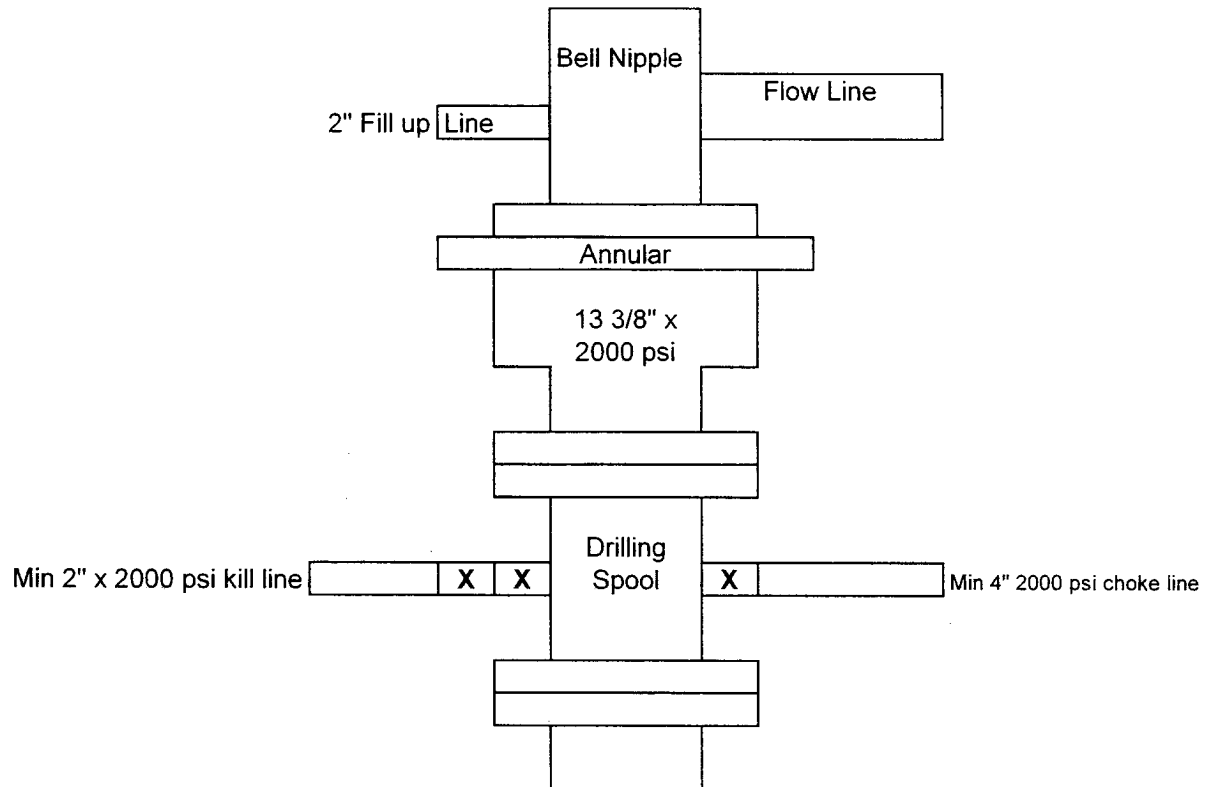


Exhibit #2

Esperanza 15 State Com #2
660' FNL & 1980' FEL
Sec. 15 T-21S R-27E
Eddy, County New Mexico

Mewbourne Oil Company
BOP Schematic for
8 3/4" or 7 7/8" Hole

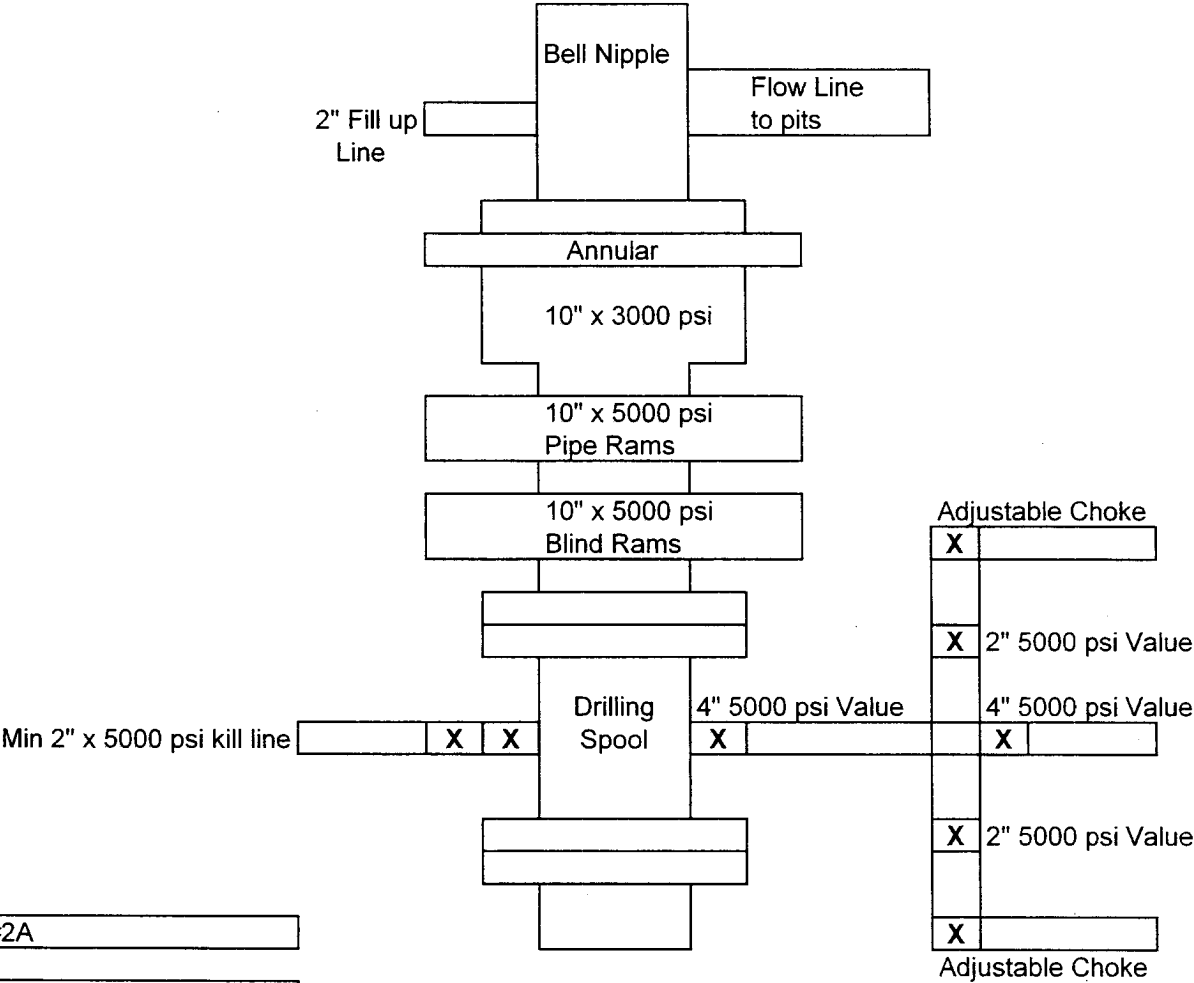


Exhibit #2A

Esperanza 15 State Com #2
660' FNL & 1980' FEL
Sec. 15 T-21S R-27E
Eddy, County New Mexico