

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

Form C-101
Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

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

Operator Name and Address Mewbourne Oil Company P.O. Box 5270 Hobbs, NM 88241 (505)393-5905		OGRID Number 14744
Property Code 26686		API Number 30-015-31354
Property Name Ranch Hand "5" Fee Com.		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
L	5	23S	27E		1980	South	660	West	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 South Carlsbad Morrow					Proposed Pool 2				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3177
Multiple No	Proposed Depth 12100	Formation Morrow	Contractor Unknown	Spud Date 10-20-00

Minimum WOC time 18 hrs. 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#	400	400	Circulate to Surface
12-1/4"	9-5/8"	36#	2600	1000	Circulate to Surface
8-3/4"	5-1/2"	17#	12100	600	Tie into Intermediate
					340

Operator to abide by all FAA rules & regulations that may apply

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: Schaffer LWS or equivalent (Double-Ram Hydraulic) 900 series with Hydriil 900 series from intermediate casing to total depth. Rotating Head, PVT, Flow Monitors, and Mud Gas Separator from Wolfcamp to TD.

Mud Program: 0'-400' Fresh water spud mud with LCM to control losses
400'-2600' Brine water 10 ppg with LCM to control loss and caustic soda to maintain PH 10
2600'-9,700' Cut Brine water 9 ppg with LCM to control loss and caustic soda to maintain PH 10
9700'-12,100' Cut Brine 9.3-9.8 ppg, starch for viscosity 32-45 sec and water loss <10, caustic soda for PH

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

Signature: Terry Burke

Printed name: Terry Burke

Title: Drilling Foreman

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: SEP 22 2000

Expiration Date: SEP 22 2001

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

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
Property Code	Property Name RANCH HAND "5" FEE COM.	Well Number 1
OGED No.	Operator Name MEWBOURNE OIL COMPANY	Elevation 3177

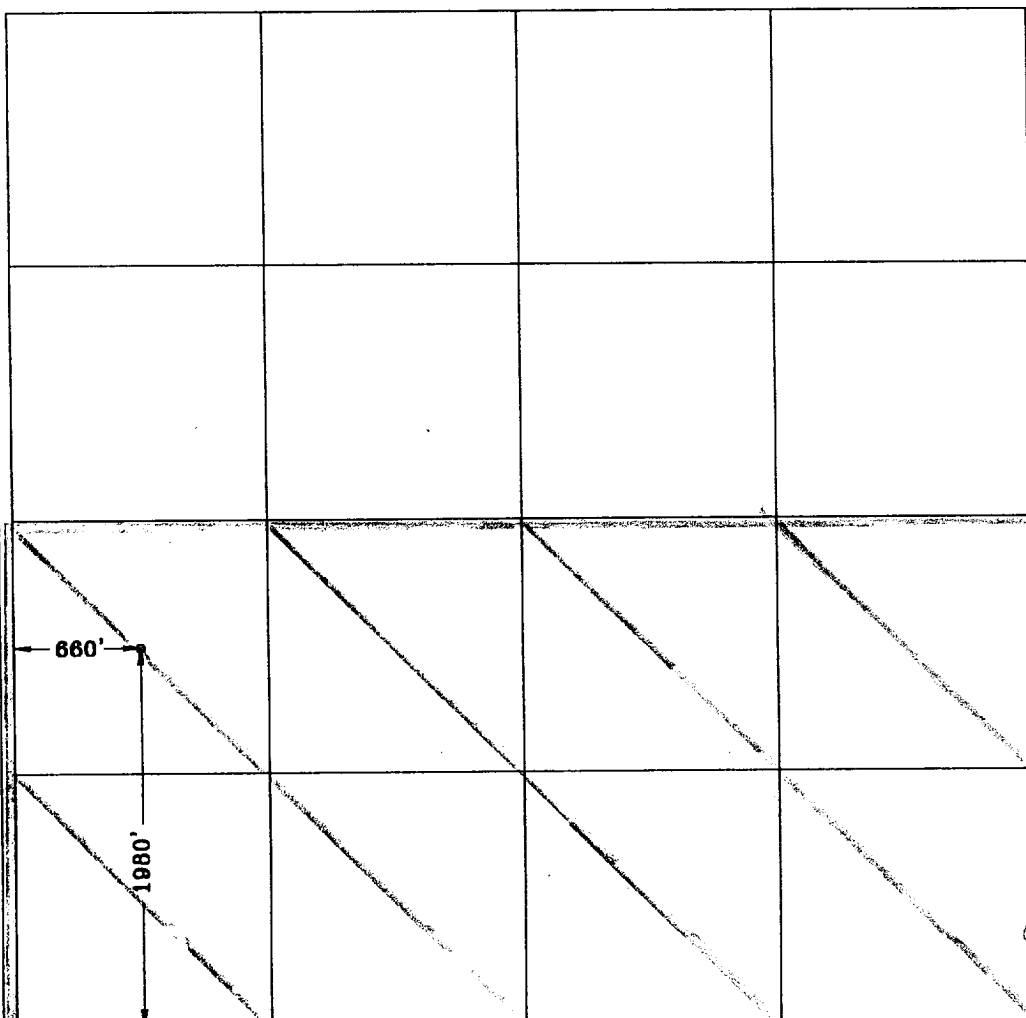

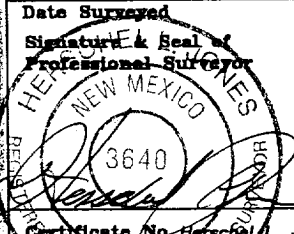
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	5	23S	27E		1980	SOUTH	660	WEST	EDDY

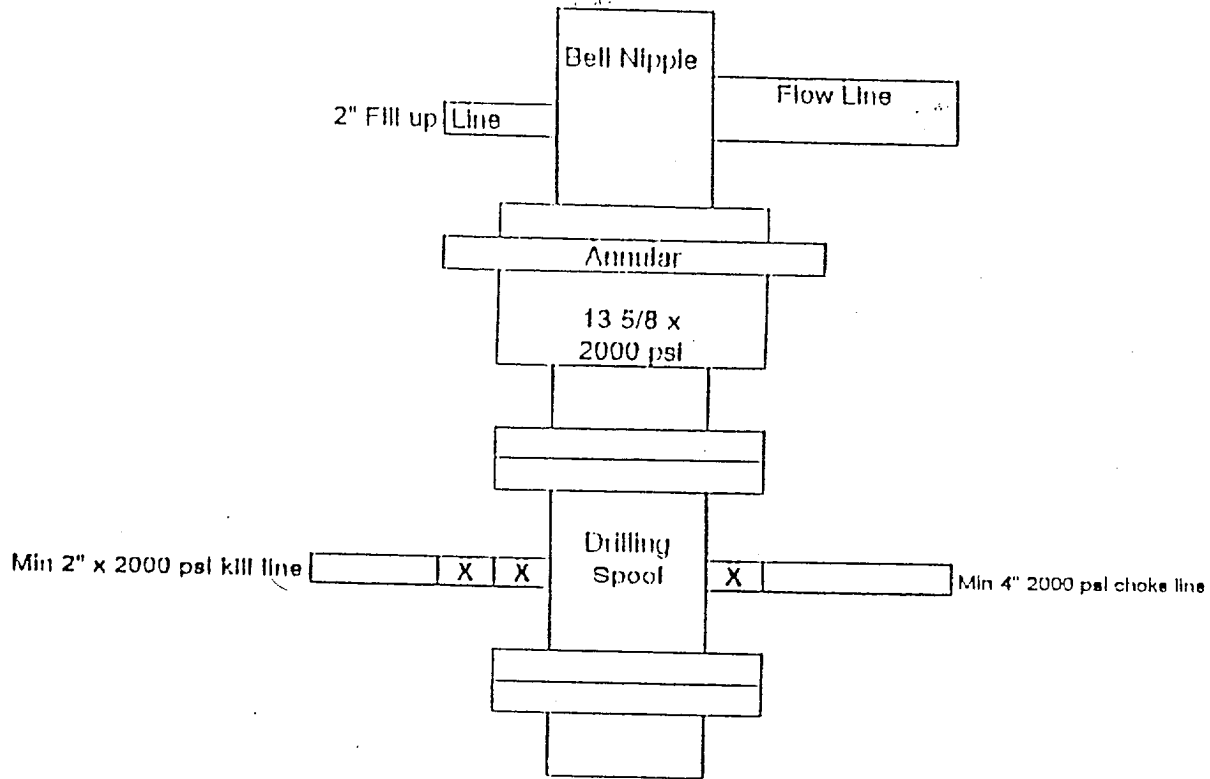
Bottom Hole Location If Different From Surface

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.						

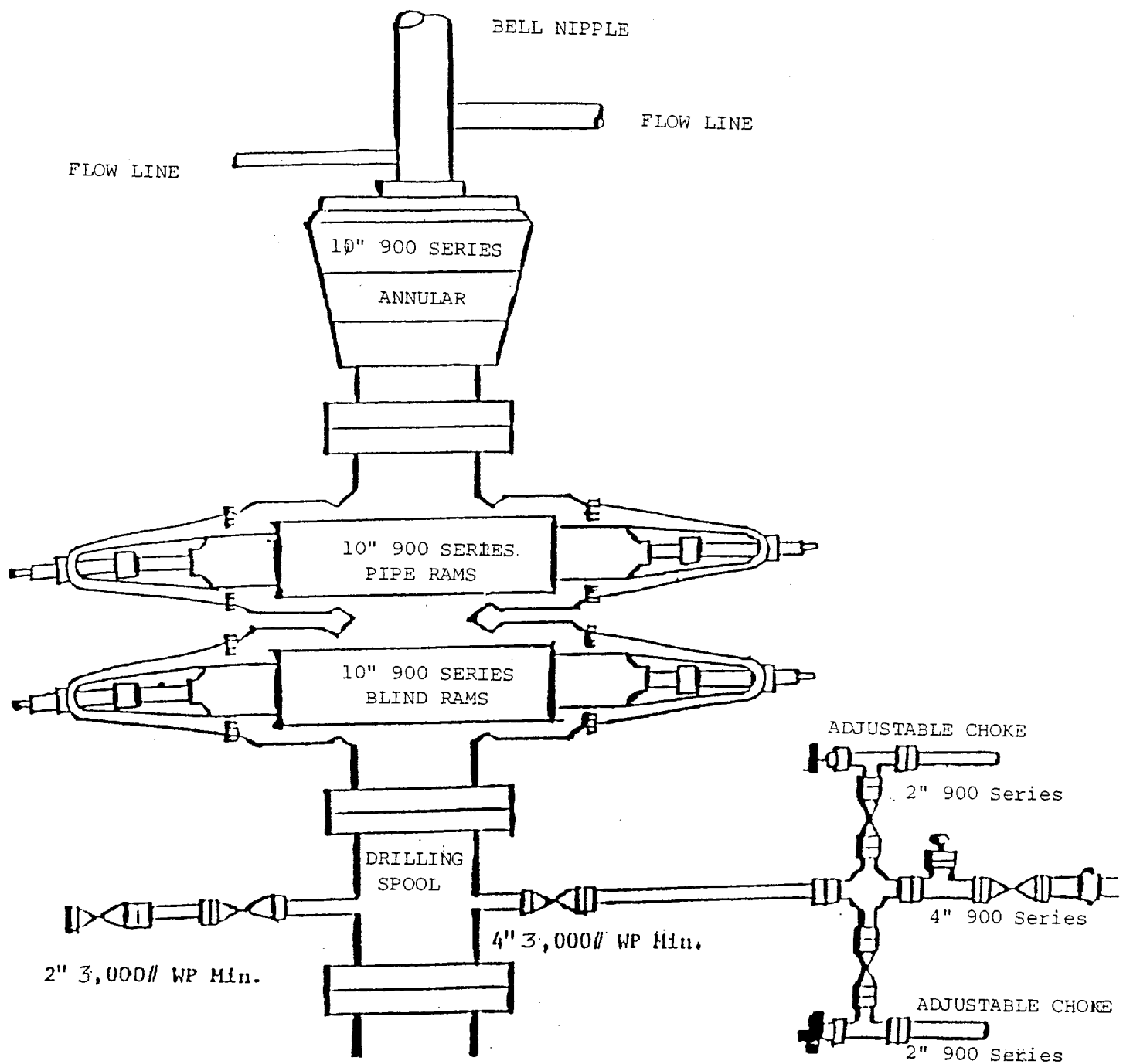
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Terry Burke Printed Name Drilling Foreman Title August 29, 2000 Date
	SURVEYOR CERTIFICATION <i>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.</i> 8/18/2000 Date Surveyed  Signature & Seal of Professional Surveyor Certificate No. Herschel L. Jones RLS 3640 RANCH HAND DISK 32 GENERAL SURVEYING COMPANY

Mewbourne Oil Company
BOP Schematic for
12 1/4 Hole



BOP Schematic
Mewbourne Oil Company
Ranch Hand "5" Fee Com. #1
Section 5/23S/27E
Eddy County, New Mexico



BOP & Choke Manifold Schematic
Mewbourne Oil Company
Ranch Hand "5" Fee Com. #1
Section 5/23S/27E
Eddy County, New Mexico