

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

Form C-101

May 27, 2004

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JUL 02 2009

HOBBSOCD

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

☐ 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, NM 88240		GRID Number 14744
Property Code 37742		API Number 30 - 025-25180
Property Name Hooper		Well No. 1
Proposed Pool 1 Pearl Bone Spring		Proposed Pool 2

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
B	27	19S	35E		660	N	2080	E	Lea

No⁸ 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

Additional Well Information

Work Type Code RE	Well Type Code O	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 3722 5'
Multiple No	Proposed Depth 11000	Formation Bone Springs	Contractor TBA	Spud Date ASAP
Depth to Groundwater Less than 50 = 0 pts		Distance from nearest fresh water well Less than 1000 from all other wtr sources: 0 pts		Distance from nearest surface water 1000' or more 0 pts
Pit Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/>		Pit Volume: 24000 bbls		
Closed-Loop System <input checked="" type="checkbox"/>		Drilling Method: Production Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		

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'	370	Surface (actual)
12 1/4"	9 5/8"	40#	5000'	1665	Surface (actual)

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.

This is a re-entry. The above captioned well was drilled by Farmland International Energy Company to 12719' TD Well was spudded 12/06/75 & P&A'd 02/13/1976.

MOC plans are to drill out cement plugs & run 5 1/2" csg to 11000'.

BOP Program. Schaffer LWS or equivalent (Double-Ram Hydraulic) 11" 5000# with Hydril. (See Exhibit #2A) Rotating head, PVT, flow monitors and mud gas Separator

Mud Program: 5000' to 11000' TD Cut Brine Water. 9.3+ #/g, Caustic for pH, Starch for WL control and LCM as needed.

Before & after well bore schematic enclosed

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Jackie Lathan

Title: Hobbs Production

E-mail Address: jlathan@mewbourne.com

Date: 06/22/09

Phone: (575) 393-5905

OIL CONSERVATION DIVISION

Approved by:

Title

PETROLEUM ENGINEER

Approval Date:

Expiration Date:

JUL 06 2009

Conditions of Approval Attached ☐

Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Re-Entry

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State of New Mexico
Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-25180		2 Pool Code 4968D		3 Pool Name Pearl Bone Springs	
4 Property Code 32742		5 Property Name Hooper			6 Well Number 1
7 OGRID No. 14744		8 Operator Name Mewbourne Oil Company.			9 Elevation 3722.5

10 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	27	19S	35E		660'	N	2080'	E	Lea

11 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
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code		15 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.

16				
	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: Jackie Lathan Date: 06/22/09 Printed Name: Jackie Lathan			
	18 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 of Survey: Signature and Seal of Professional Surveyor:			
	Certificate Number:			

Hooper #1-Before
Last Updated: 6/22/2009
By: C. McCain

Spud Date: 10/31/99

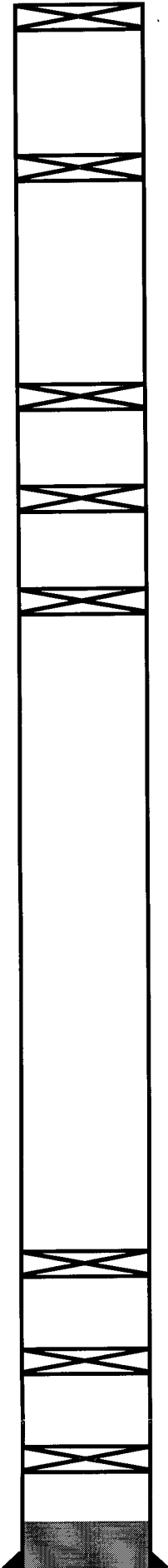
Surface

17 1/2" x 13 3/8" 48# H40
Set @ 350'
Circ 370 sacks to sfc

Intermediate

12 1/4" x 9 5/8" 40# N-80&K-55
Set @ 5,000'
Cmt did not circulate

Date:



Cmt. Plug @ sfc
10sks

Cmt. Plug @ 1682'-1800'
40sks

Cmt. Plug @ 4932'-5050'
40sks

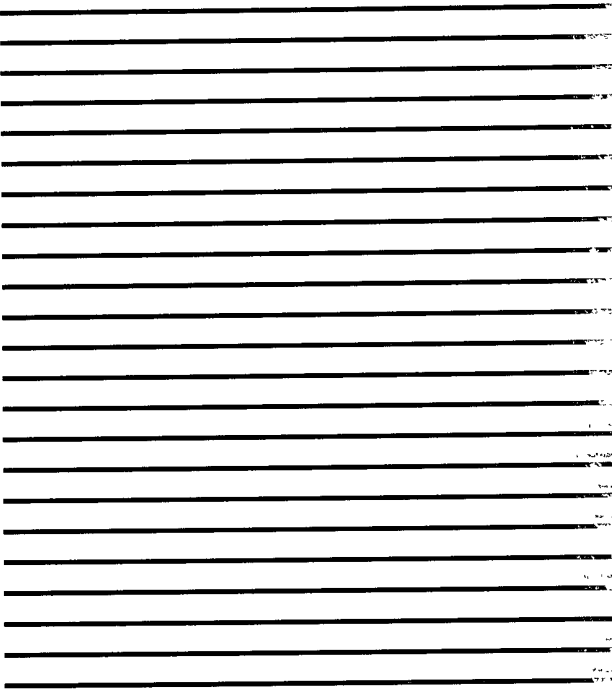
Cmt. Plug @ 5285'-5400'
30sks

Cmt. Plug @ 7685'-7800'
30sks

Cmt. Plug @ 11,485'-11,600'
30sks

Cmt. Plug @ 12,285'-12,400'
30sks

Cmt. Plug @ 12,560'-12,675'
30sks



TD @ 12,719"

Hooper #1-After
Last Updated: 6/22/2009
By: C. McCain

Spud Date: 10/31/99

Surface

17 1/2" x 13 3/8" 48# H40
Set @ 350'
Circ 370 sacks to sfc

Intermediate

12 1/4" x 9 5/8" 40# N-80&K-55
Set @ 5,000'
Cmt did not circulate

Production

5 1/2" 17# N-80
Set @ 11,000'

TD @ 12,719"

Date:

Cmt. Plug @ 11,485'-11,600'
30sks

Cmt. Plug @ 12,285'-12,400'
30sks

Cmt. Plug @ 12,560'-12,675'
30sks

Notes Regarding Blowout Preventer
Mewbourne Oil Company

Hooper #1
660' FNL & 2080' FEL
Section 27-T19S-R35E
Lea County, New Mexico

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 5000 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 5000 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 and accumulator of at least 40 gallon capacity, two independent sources of pressure on closing unit, and meet all other API specifications.

Mewbourne Oil Company
BOP Schematic for
11 3/4" Hole

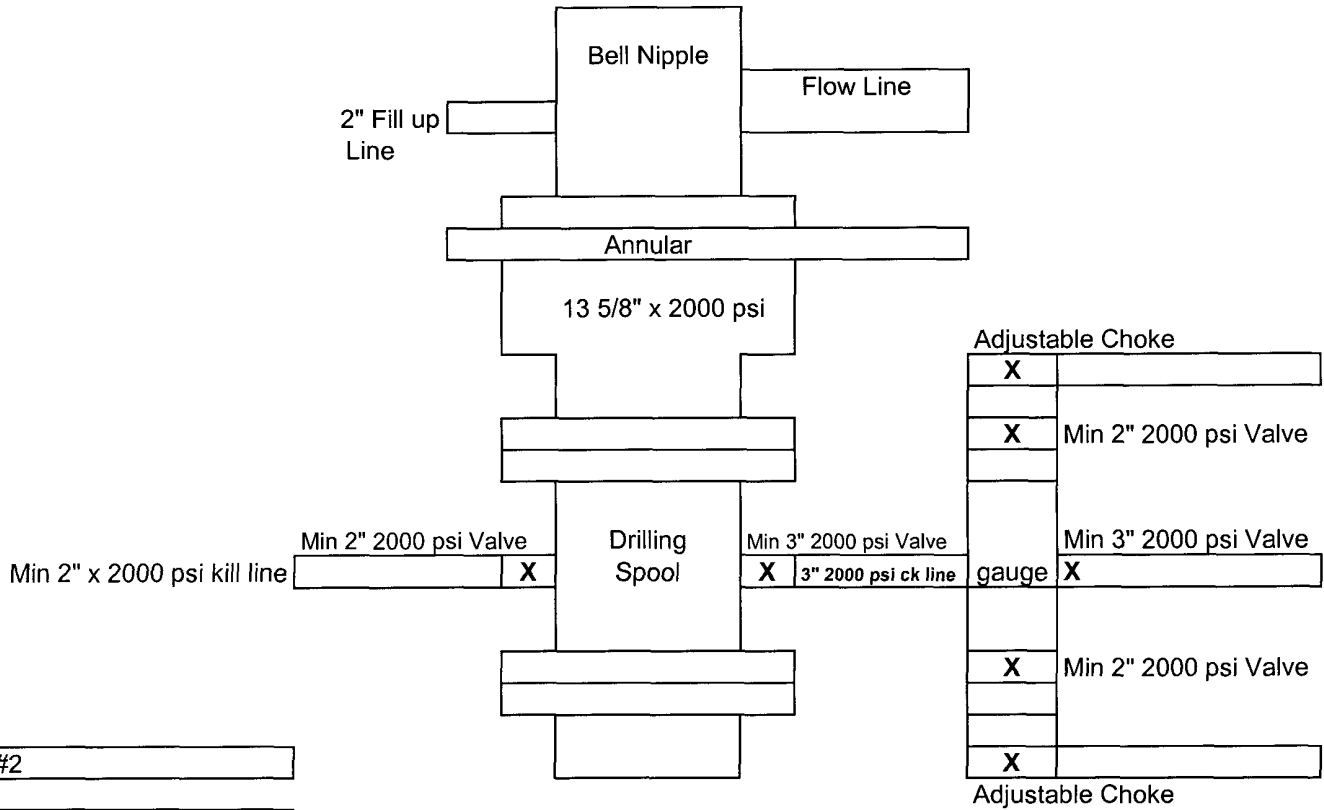


Exhibit #2

Hooper #1
660' FNL & 2080' FEL
Sec 27-T19S-R35E
Lea, County
New Mexico

Mewbourne Oil Company
BOP Schematic for
8 5/8" or 7 7/8" Hole

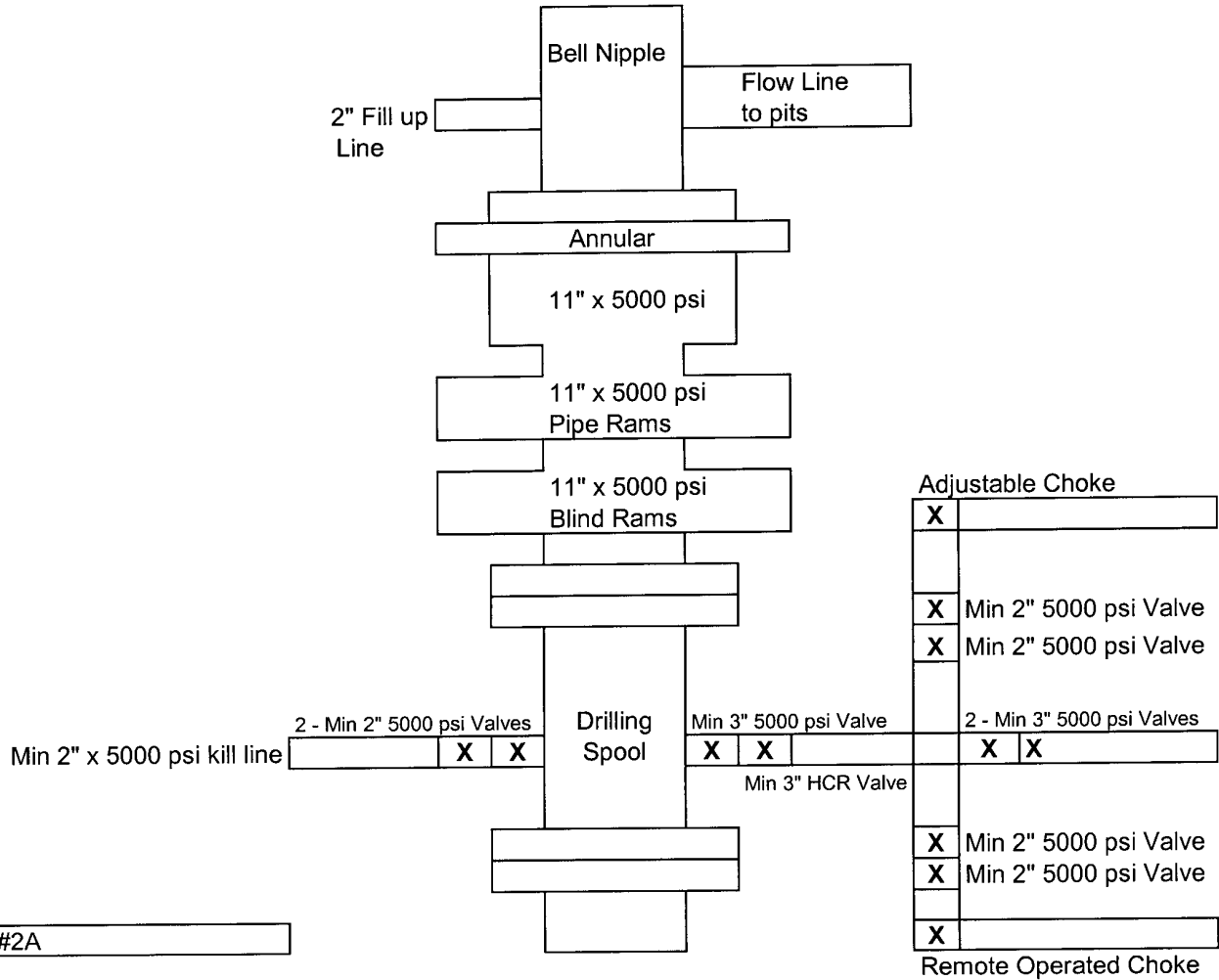


Exhibit #2A

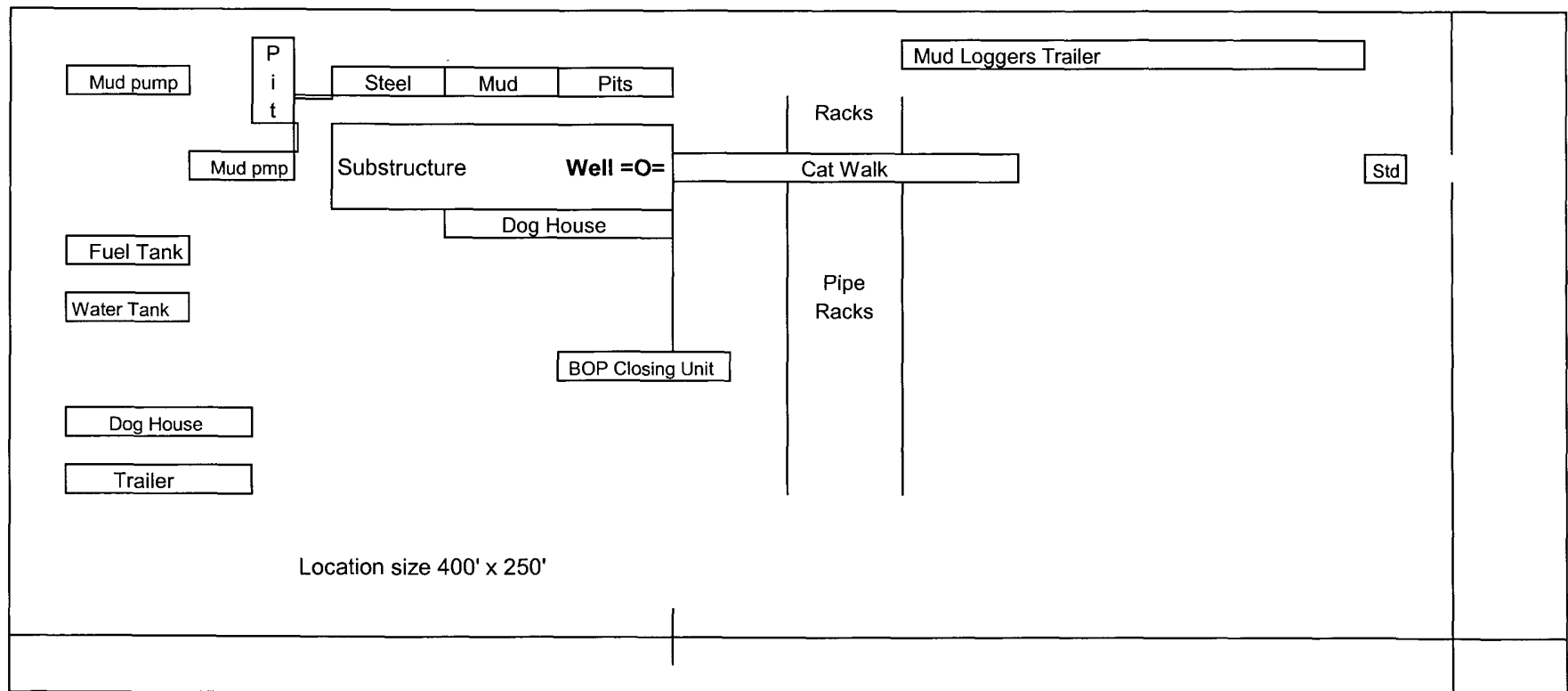
Hooper #1
660' FNL & 2080' FEL
Sec 27-T19S-R35E
Lea, County
New Mexico

Mewbourne Oil Company

Exhibit #4

N

Well Name	Hooper #1
Footages	660' FNL & 2080' FEL
STR	Sec 27-T19S-R35E
County	Lea, County
State	New Mexico



Rig Location Schematic

Hydrogen Sulfide Drilling Operations Plan

Mewbourne Oil Company

Hooper #1

660' FNL & 2080' FEL

Sec 27-T19S-R35E

Lea County, New Mexico

1. General Requirements

MOC will have on location and working all H₂S safety equipment before spudding for purposes of safety and insurance requirements.

2. 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:

1. The hazards and characteristics of hydrogen sulfide gas.
2. The proper use of personal protective equipment and life support systems.
3. The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
4. The proper techniques for first aid and rescue operations.

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

1. 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.
2. Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
3. 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.

3. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to spudding.

1. Well Control Equipment
 - A. Choke manifold with minimum of one adjustable choke and flare line.
 - B. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
2. Protective Equipment for Essential Personnel

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

3. 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

4. Visual Warning Systems

A. Wind direction indicators as indicated on the wellsite diagram.

B. 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.

4. **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.

5. **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.

6. **Communications**

State & County Officials phone numbers are posted on rig floor and supervisors trailer. Communications in company vehicles and toolpushers are either two way radios or cellular phones.

7. **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.

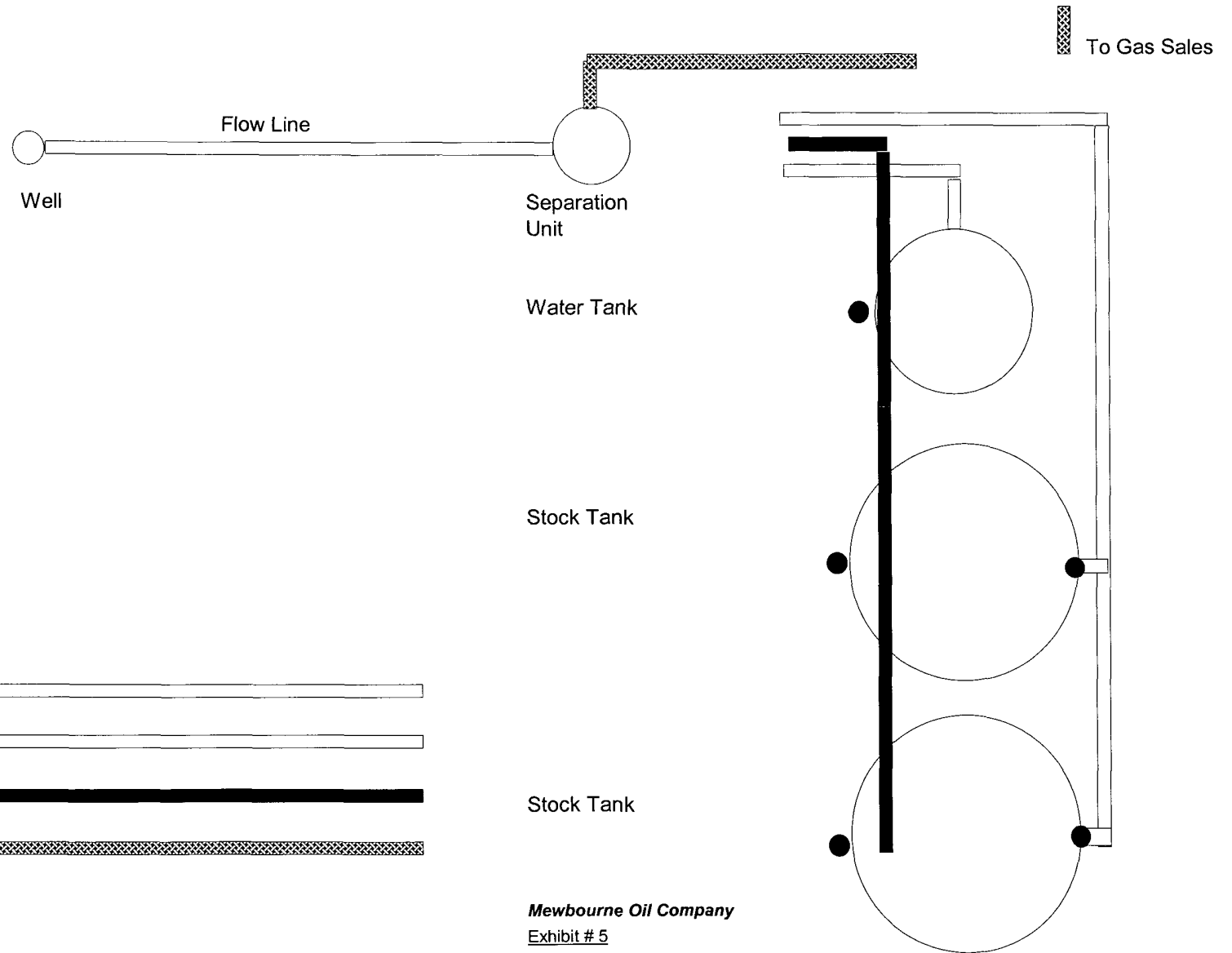
8. **Emergency Phone Numbers**

Lea County Sheriff's Office	911 or 575-393-2515
Ambulance Service	911 or 575-397-9308
Hobbs Fire Dept	911 or 575-397-9308
Eunice Fire Dept.	911 or 575-394-3258
Closest Medical Facility <u>Lea Regional Medical Center</u>	575-492-5000
	<u>5419 Lovington Hwy, Hobbs</u>

Mewbourne Oil Company	Hobbs District Office	575-393-5905
	Fax	575-397-6252
	2nd Fax	575-393-7259

District Manager	Micky Young	575-390-0999
Drilling Superintendent	Frosty Lathan	575-390-4103
Drilling Foreman	Wesley Noseff	575-441-0729
Drilling Engineer	Levi Jackson	575-631-0589
Drilling Engineer	Charles Martin	575-441-2081

Proposed Production Facilities Schematic



Mewbourne Oil Company

Exhibit # 5

Proposed Production Facilities Schematic

Hooper #1
660' FNL & 2080' FEL
Sec 27-T19S-R35E
Lea, County
New Mexico