

OKLAHOMA CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
P.O. BOX 52000
OKLAHOMA CITY, OK 73152-2000
(Rule 165:10-3-1)

API NUMBER: 045 23397

Approval Date: 10/03/2013
Expiration Date: 04/03/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 18N Rge: 26W County: ELLIS
SPOT LOCATION: N2 N2 NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 660

Lease Name: REEVES-HAMILTON 2 Well No: 1HM Well will be 250 feet from nearest unit or lease boundary.
Operator Name: MEWBOURNE OIL COMPANY Telephone: 9035612900; 4052356 OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY
PO BOX 7698
TYLER, TX 75711-7698

PATRICIA ANN HAMILTON REEVES
6604 CR 6410
LUBBOCK TX 79416

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Depth	Name	Depth
1	DES MOINES	9157	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 136729

Location Exception Orders: 615321

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 13636

Ground Elevation: 2404

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 560

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 25000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 02 Twp 18N Rge 26W County ELLIS

Spot Location of End Point: C S2 SW SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 8600

Radius of Turn: 580

Direction: 180

Total Length: 4158

Measured Total Depth: 13636

True Vertical Depth: 9199

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	10/1/2013 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
LOCATION EXCEPTION - 615321	10/3/2013 - G30 - (I.O.) 2-18N-26W X136729 DSMN SHL NCT 250 FNL, NCT 660 FWL POE NCT 330 FNL, NCT 600 FWL BHL NCT 330 FSL, NCT 600 FWL MEWBOURNE OIL COMPANY 8/29/13
SPACING - 136729	10/3/2013 - G30 - (640) 2-18N-26W EST DSMN EXT OTHERS

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