

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

API NUMBER: 045 23553

Approval Date: 12/29/2014
Expiration Date: 06/29/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 18N Rge: 26W County: ELLIS
SPOT LOCATION: NE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 850

Lease Name: **BOBCAT 10 PA** Well No: **1HM** Well will be **250** feet from nearest unit or lease boundary.
Operator Name: **MEWBOURNE OIL COMPANY** Telephone: 9035612900 OTC/OCC Number: 6722 0

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

DOROTHY M & BILLY R HOWARD
165 MAPLE DRIVE
SHATTUCK OK 73858

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

Name	Depth	Name	Depth
1 MARMATON	9100	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 620908

Location Exception Orders: 622405

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14164

Ground Elevation: 2337

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 530

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

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: 7500

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 10 Twp 18N Rge 26W County ELLIS

Spot Location of End Point: C N2 NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 8652

Radius of Turn: 573

Direction: 1

Total Length: 4612

Measured Total Depth: 14164

True Vertical Depth: 9147

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

Notes:

Category	Description
DEEP SURFACE CASING	12/29/2014 - 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 - 622405	12/29/2014 - G91 - (I.O.) 10-18N-26W X620908 MRMN SHL NCT 250 FSL, NCT 660 FEL ** POE NCT 330 FSL, NCT 600 FEL BHL NCT 330 FNL, NCT 600 FEL MEWBOURNE OIL CO. 3-10-2014 ** SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR**
SPACING - 620908	12/29/2014 - G91 - (640)(HOR) 10-18N-26W EST MRMN POE TO BHL NCT 660' FB (COEXIST SP. ORDER # 86890 BGLM, OSWG)

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.