

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

API NUMBER: 045 23468

Approval Date: 04/29/2014

Expiration Date: 10/29/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 21N Rge: 24W

County: ELLIS

SPOT LOCATION: ☐ NE ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 2440

Lease Name: MASON 31 CN

Well No: 2HCG

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

TEDDY RAY MILLER

P.O. BOX 296

ARNETT OK 73832

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	7300	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 605159

Location Exception Orders: 620758

Increased Density Orders: 619057

Pending CD Numbers:

Special Orders:

Total Depth: 11835

Ground Elevation: 2243

Surface Casing: 2000

Depth to base of Treatable Water-Bearing FM: 480

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 31 Twp 21N Rge 24W County ELLIS

Spot Location of End Point: E2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2440

Depth of Deviation: 6773

Radius of Turn: 580

Direction: 180

Total Length: 4151

Measured Total Depth: 11835

True Vertical Depth: 7373

End Point Location from Lease,

Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

4/28/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

INCREASED DENSITY - 619057

4/29/2014 - G75 - 31-21N-24W
X605159 CGGV
1 WELL
MEWBOURNE OIL CO.
12-11-2013

LOCATION EXCEPTION - 620758

4/29/2014 - G75 - (I.O.) 31-21N-24W
X605159 CGGV
SHL NCT 250 FNL, NCT 1400 FEL OR FWL
POE NCT 330 FNL, NCT 1400 FEL OR FWL
BHL NCT 330 FSL, NCT 1400 FEL OR FWL
MEWBOURNE OIL CO.
1-23-2014

SPACING - 605159

4/29/2014 - G75 - (640)(HOR) 31-21N-24W
EST CGGV
POE TO BHL NCT 660' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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045 23468 MASON 31 CN 2HCG