

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

API NUMBER: 045 23461

Approval Date: 04/16/2014
Expiration Date: 10/16/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 17N Rge: 24W County: ELLIS
SPOT LOCATION: FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 2640

Lease Name: MISSY Well No: 1H-22 Well will be 250 feet from nearest unit or lease boundary.
Operator Name: LE NORMAN OPERATING LLC Telephone: 4055481200 OTC/OCC Number: 22738 0

LE NORMAN OPERATING LLC
4700 GAILLARDIA PKWY STE 200
OKLAHOMA CITY, OK 73142-1881

SUSAN E MILLER - REVOCABLE TRUST
BOX 47
HCR 63
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 CLEVELAND	9376	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 217220

Location Exception Orders: 623854

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14077

Ground Elevation: 2398

Surface Casing: 700

Depth to base of Treatable Water-Bearing FM: 460

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: 35000 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 22 Twp 17N Rge 24W County ELLIS

Spot Location of End Point: C N2 N2 N2

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 8796

Radius of Turn: 580

Direction: 360

Total Length: 4370

Measured Total Depth: 14077

True Vertical Depth: 9376

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

Additional Surface Owner	Address	City, State, Zip
EDDIE MAX MILLER - TRUSTEE REV	HCR 63 BOX 47	ARNETT, OK 73832

Notes:

Category

Description

LOCATION EXCEPTION - 623854

4/16/2014 - G30 - (I.O.) 22-17N-24W
X217220 CLVD
SHL 200 FNL, 1980 FWL 27-17N-24W**
COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 1320 FWL 22-17N-24W
LE NORMAN OPERATING LLC
4/11/14

**SHL TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION

SPACING - 217220

4/16/2014 - G30 - (640) 22-17N-24W
EXT 138264 CLVD, OTHER