

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

API NUMBER: 129 24030

Approval Date: 12/05/2014
Expiration Date: 06/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 23 Twp: 16N Rge: 26W

County: ROGER MILLS

SPOT LOCATION: SW SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 280 580

Lease Name: COLLINS

Well No: 1H-26

Well will be 280 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 73142-1839

PATRICIA E. COLLINS
17176 EAST 810 ROAD
DURHAM OK 73642

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

Name	Depth	Name	Depth
1 CLEVELAND	9900	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 135140

Location Exception Orders: 632075

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15162

Ground Elevation: 2452

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 700

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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 26 Twp 16N Rge 26W County ROGER MILLS

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 100

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 9320

Radius of Turn: 580

Direction: 181

Total Length: 4931

Measured Total Depth: 15162

True Vertical Depth: 9900

End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Category	Description
DEEP SURFACE CASING	11/7/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
LOCATION EXCEPTION - 632075	12/4/2014 - G75 - (I.O.) X135140 CLVD SHL 250 FSL, 660 FEL 23-16N-26W ** COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 560 FEL 26-16N-26W LE NORMAN OP. LLC 10-21-2014 ** ITD HAS SHL AS 280 FSL, 580 FEL 23-16N-26W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
SPACING - 135140	12/4/2014 - G75 - (640) 26-16N-26W EXT 100037 CLVD EXT OTHERS EST OTHERS