

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

API NUMBER: 129 23880 A

Approval Date: 10/08/2013  
Expiration Date: 04/08/2014

Horizontal Hole Oil & Gas

Amend reason: FOOTAGES UPDATED TO 256' FSL & 1881' FEL.  
WILL BE 256' FROM NEAREST UNIT OR PROPERTY BOUNDARY.  
GROUND ELEVATION UPDATED TO 2390'

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 17N Rge: 25W County: ROGER MILLS  
SPOT LOCATION:  SW  SE  SW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 256 1881

Lease Name: **EAKINS** Well No: **1H-16** Well will be **256** feet from nearest unit or lease boundary.  
Operator **LE NORMAN OPERATING LLC** Telephone: 4055481200 OTC/OCC Number: 22738 0  
Name:

LE NORMAN OPERATING LLC  
4727 GAILLARDIA PKWY STE 200  
OKLAHOMA CITY, OK 73142-1881

JUSTIN BRUCE EAKINS & LINDA EAKINS  
7257 N 1760 RD  
CRAWFORD OK 73638

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

Name	Depth	Name	Depth
1 CLEVELAND	9390	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 335701

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201306218

Special Orders:

Total Depth: 14630

Ground Elevation: 2390

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 580

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

**PIT 1 INFORMATION**

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 30000 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: C**

**Liner not required for Category: C**

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 13-24577

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION

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 16 Twp 17N Rge 25W County ROGER MILLS

Spot Location of End Point: W2 SE SW SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1880

Depth of Deviation: 9090

Radius of Turn: 580

Direction: 360

Total Length: 4633

Measured Total Depth: 14630

True Vertical Depth: 9670

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

Notes:

Category	Description
DEEP SURFACE CASING	10/7/2013 - 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
PENDING CD - 201306218	10/8/2013 - G30 - 16-17N-25W X335701 CLVD SHL NCT 200 FSL, NCT 1800 FEL 9-17N-25W 1ST PERF NCT 330 FNL, NCT 1800 FEL 16-17N-25W LAST PERF NCT 330 FSL, NCT 1800 FEL 16-17N-25W NO OP. NAMED REC 10/4/13 (P.PORTER)
SPACING - 335701	10/8/2013 - G30 - (640) 16-17N-25W EXT 108182 CLVD, OTHERS

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.