

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

API NUMBER: 129 24045

Approval Date: 02/25/2015  
Expiration Date: 08/25/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 16N Rge: 26W

County: ROGER MILLS

SPOT LOCATION:  NE  SW  SE  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 350 960

Lease Name: JAMES

Well No: 1H-27

Well will be 350 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

KRIS BLACK & KEITH BLACK  
18022 E. 840 RD.  
CRAWFORD OK 73638

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

Name	Depth	Name	Depth
1 CLEVELAND	10000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 100037  
100494

Location Exception Orders: 634903

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15279

Ground Elevation: 2396

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 680

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 27 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: 9420

Radius of Turn: 580

Direction: 180

Total Length: 4948

Measured Total Depth: 15279

True Vertical Depth: 10000

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

Notes:

Category	Description
DEEP SURFACE CASING	2/25/2015 - 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 - 634903	2/25/2015 - G91 - (I.O.) 27-16N-26W X100037/100494 CLVD SHL 200 FSL, 660 FEL 22-16N-26W ** COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 600 FEL LE NORMAN OPERATING LLC 1-7-2015  **SHL TO BE CORRECTED AT FINAL HEARING PER OPERATOR**
SPACING - 100037	2/25/2015 - G91 - (640/1000) 27-16N-26W EXT (640) 79619 CLVD, OTHER EST (1000) OTHERS
SPACING - 100494	2/25/2015 - G91 - NPT 100037 TO EST CLVD, OTHER INSTEAD OF EXTENDING 79619

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