

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

API NUMBER: 129 24032

Approval Date: 12/17/2014
Expiration Date: 06/17/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 15N Rge: 25W County: ROGER MILLS
SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 2640

Lease Name: TURKEY CREEK Well No: 1H-30 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 73142-1839

BREAK O' DAY FARM & METCALFE MUSEUM
8647 N. 1745 RD.
DURHAM OK 73642

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

Name	Depth	Name	Depth
1 CLEVELAND	10200	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 142515

Location Exception Orders: 626689

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15121

Ground Elevation: 2193

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 610

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-28563

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER)

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 30 Twp 15N Rge 25W County ROGER MILLS

Spot Location of End Point: C S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 9620

Radius of Turn: 580

Direction: 180

Total Length: 4590

Measured Total Depth: 15121

True Vertical Depth: 10200

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

Notes:

Category	Description
DEEP SURFACE CASING	9/30/2014 - 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 - 626689	12/17/2014 - G75 - (I.O.) X142515 CLVD SHL 250 FSL, 2640 FWL 19-15N-25W COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 1980 FWL OR FEL 30-15N-25W LE NORMAN OP. LLC 6-13-2014
SPACING - 142515	12/17/2014 - G75 - (640) 30-15N-25W EXT OTHERS EXT 100037/135140 CLVD, OTHER EST OTHERS

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