

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

API NUMBER: 129 24038 A

Approval Date: 01/06/2015
Expiration Date: 07/06/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 15N Rge: 26W County: ROGER MILLS
SPOT LOCATION: SE NW NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 350 700

Lease Name: WASHITA RIVER Well No: 4H-16 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

WASHITA RIVER ENTERPRISES, LLC
P.O. BOX 3417
LITTLE ROCK AR 72203

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: 135140 Location Exception Orders: 634487 Increased Density Orders: 634488

Pending CD Numbers: Special Orders:

Total Depth: 15433 Ground Elevation: 2321 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 280

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 16 Twp 15N Rge 26W County ROGER MILLS

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 700

Depth of Deviation: 9620

Radius of Turn: 580

Direction: 360

Total Length: 4902

Measured Total Depth: 15433

True Vertical Depth: 10200

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
DEEP SURFACE CASING	1/6/2015 - 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
INCREASED DENSITY - 634488	1/6/2015 - G91 - (E.O.) 16-15N-26W X135140 CLVD 1 WELL LENORMAN OPERATING LLC 12-23-2014
LOCATION EXCEPTION - 634487	1/6/2015 - G91 - (E.O.) 16-15N-26W X135140 CLVD SHL 350 FNL 700 FEL (21-15N-26W) COMPL INT. NCT 165 FSL NCT 165 FNL NCT 600 FEL LE NORMAN OPERATING LLC 12-23-2014
SPACING - 135140	1/6/2015 - G91 - (640) 16-15N-26W EXT 100037 CLVD EXT OTHERS EST OTHERS

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