

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

API NUMBER: 129 24036

Approval Date: 01/05/2015

Expiration Date: 07/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 16N Rge: 26W

County: ROGER MILLS

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 450 660

Lease Name: PARK

Well No: 2H-21

Well will be 450 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

SAMUEL THOMAS VANDIVER
7820 BACK ACRES RD.
AMARILLO TX 79119-

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

Name	Depth	Name	Depth
1 CLEVELAND	9950	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 135140

Location Exception Orders: 633278

Increased Density Orders: 632843

Pending CD Numbers:

Special Orders:

Total Depth: 15210

Ground Elevation: 2405

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 570

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 21 Twp 16N Rge 26W County ROGER MILLS

Spot Location of End Point: N2 N2 NW NW

Feet From: SOUTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 9370

Radius of Turn: 580

Direction: 360

Total Length: 4929

Measured Total Depth: 15210

True Vertical Depth: 9950

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

Notes:

Category	Description
DEEP SURFACE CASING	10/24/2014 - 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 - 632843	12/31/2014 - G76 - 21-16N-26W X135140 CLVD 1 WELL LE NORMAN OPERATING, LLC 11/10/2014
LOCATION EXCEPTION - 633278	12/31/2014 - G76 - (I.O.) 21-16N-26W X135140 CLVD SHL 350 FNL, 660 FWL 28-16N-26W** COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 560 FWL LE NORMAN OPERATING, LLC 11/20/2014 **S/B SHL 450 FNL, 660 FWL 28-16N-26W, WILL BE AMENDED AT FINAL HEARING PER OPERATOR;
SPACING - 135140	12/31/2014 - G76 - (640) 21-16N-26W EXT 100037 CLVD EXT OTHERS EXT OTHERS

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