

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

API NUMBER: 129 23915

Approval Date: 02/05/2014
Expiration Date: 08/05/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 17N Rge: 25W County: ROGER MILLS
SPOT LOCATION: S2 S2 SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 1980

Lease Name: PARKER Well No: 1H-21 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
4727 GAILLARDIA PKWY STE 200
OKLAHOMA CITY, OK 73142-1881

JUSTIN EAKINS
17530 EAST 730 ROAD
CRAWFORD OK 73638

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

Name	Depth	Name	Depth
1 CLEVELAND	9800	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 618713

Location Exception Orders: 620433

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14000

Ground Elevation: 2391

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: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 40000 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.

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

PERMIT NO: 14-26387

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 17N Rge 25W County ROGER MILLS

Spot Location of End Point: C S2 SW SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 13420

Radius of Turn: 580

Direction: 180

Total Length: 4643

Measured Total Depth: 14000

True Vertical Depth: 9838

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

Notes:

Category	Description
DEEP SURFACE CASING	2/5/2014 - 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
LOCATION EXCEPTION - 620433	2/5/2014 - G30 - (I.O.) 21-17N-25W X618713 CLVD, OTHERS SHL 250 FSL, 1980 FEL 16-17N-25W COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 1980 FEL 21-17N-25W LENORMAN OPERATING LLC 1/16/14
SPACING - 618713	2/5/2014 - G30 - (640) 21-17N-25W EXT 134743 CLVD, OTHER EST OTHER

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