

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

API NUMBER: 045 23520

Approval Date: 09/18/2014

Expiration Date: 03/18/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 19N Rge: 26W

County: ELLIS

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 300 600

Lease Name: SCHULTZ

Well No: 2H-1

Well will be 300 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 73142-1881

CECILIA C. PSHIGODA, REVOCABLE TRUST  
1834 W. 60TH NORTH  
WICHITA KS 67204

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

	Name	Depth	Name	Depth
1	CLEVELAND	8700	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 100596

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201405994

Special Orders:

Total Depth: 13593

Ground Elevation: 2499

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 690

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: 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: 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 01 Twp 19N Rge 26W County ELLIS

Spot Location of End Point: E2 NW NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 600

Depth of Deviation: 8200

Radius of Turn: 500

Direction: 360

Total Length: 4607

Measured Total Depth: 13593

True Vertical Depth: 8700

End Point Location from Lease,

Unit, or Property Line: 330

## Notes:

### Category

### Description

DEEP SURFACE CASING

9/18/2014 - G76 - 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

PENDING CD - 201405994

9/18/2014 - G91 - (I.O.) 1-19N-26W  
X 100596 CLVD  
SHL 200 FSL, 560 FWL\*\*  
COMP. INT. NCT 200 FSL, NCT 165 FNL, NCT 560 FWL  
NO OP. NAMED  
9-8-2014 (PORTER)

\*\* SHL TO BE CORRECTED IN FINAL ORDER PER OPERATOR\*\*

SPACING - 100596

9/18/2014 - G91 - (640) 1-19N-26W  
EXT OTHERS  
EST CLVD, OTHERS

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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.

045 23520 SCHULTZ 2H-1