

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

API NUMBER: 129 23956

Approval Date: 05/16/2014
Expiration Date: 11/16/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 15N Rge: 26W County: ROGER MILLS
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 250 2490

Lease Name: WASHITA RIVER Well No: 2H-16 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 73142-1881

STEPHEN LEE CHENETTE
17 BRIDGEVIEW RD
TORONTO ON M6S4M9

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

Name	Depth	Name	Depth
1 CLEVELAND	10144	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 135140

Location Exception Orders: 620461

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15085

Ground Elevation: 2405

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 510

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 40000 Average: 6000

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 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: 14-27270

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 16 Twp 15N Rge 26W 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: 9595

Radius of Turn: 580

Direction: 180

Total Length: 4579

Measured Total Depth: 15085

True Vertical Depth: 10175

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

Notes:

Category

Description

DEEP SURFACE CASING

5/9/2014 - 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 - 620461

5/12/2014 - G72 - 16-15N-26W (I.O.)
X 135410 CLVD;
SHL 250 FNL 1980 FEL (21-15N-26W);
COMPL INT. NCT 330 FSL NCT 330 FNL NCT 1980 FEL;
LENORMAN OPERATING LLC
1/15/2014

MEMO

5/9/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 135140

5/12/2014 - G72 - (640) 16-15N-26W
EXT 100037 CLVD;
EXT OTHERS;
EST OTHERS

API 12923956

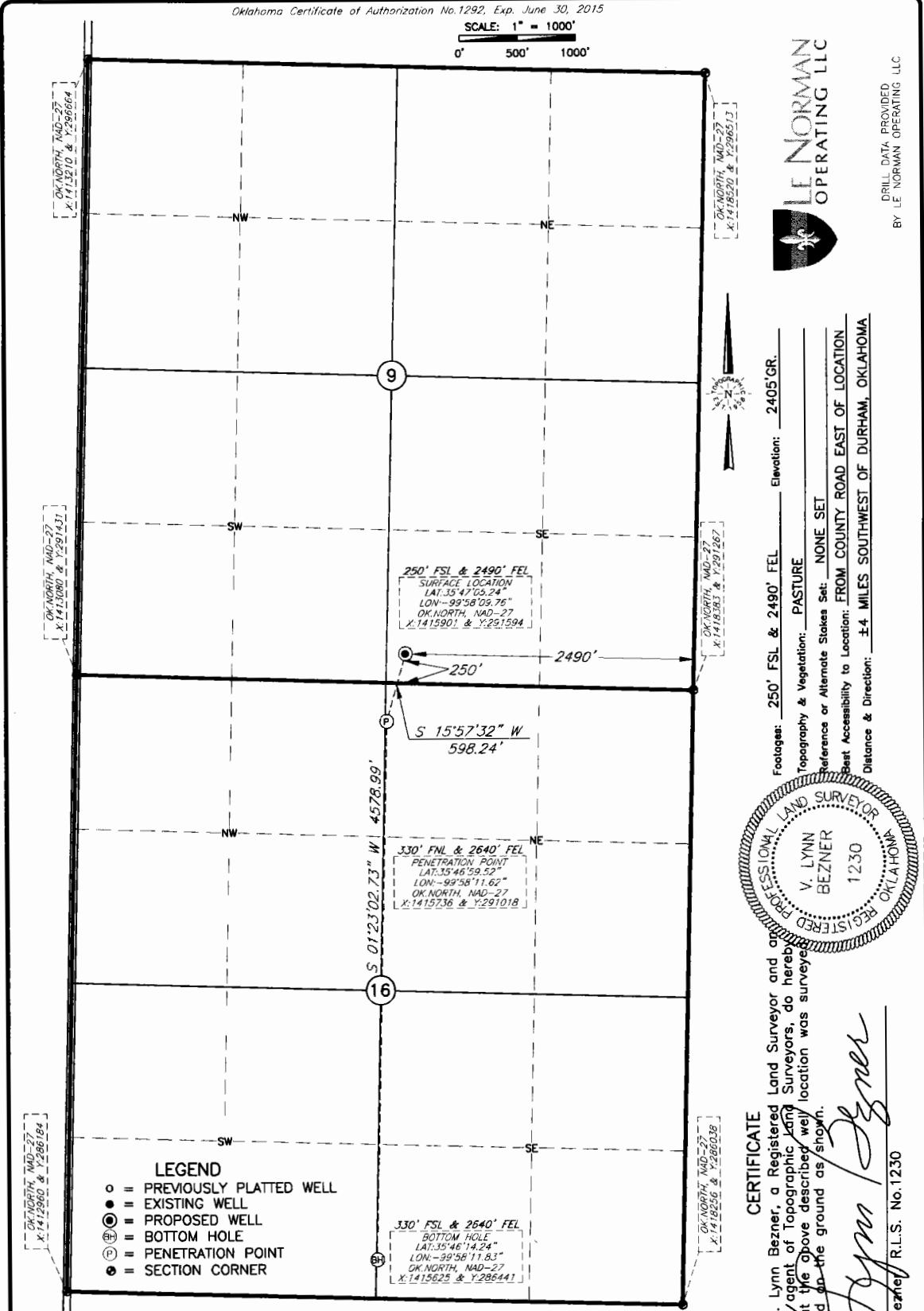
P:\SURVEY\LE_NORMAN_OPERATING_LLC\WASHITA_RIVER_2H_16\FINAL_PRODUCTS\LO_WASHITA_RIVER_2H_16.DWG 4/17/2014 4:19:43 PM

Oklahoma Certificate of Authorization No.1292, Exp. June 30, 2015

SCALE: 1" = 1000'
0' 500' 1000'



DRILL DATA PROVIDED BY LE NORMAN OPERATING LLC



- LEGEND**
- = PREVIOUSLY PLATTED WELL
 - = EXISTING WELL
 - ⊙ = PROPOSED WELL
 - ⊕ = BOTTOM HOLE
 - ⊙ = PENETRATION POINT
 - = SECTION CORNER

Footages: 250' FSL & 2490' FEL Elevation: 2405' GR.
Topography & Vegetation: PASTURE
Reference or Alternate States Set: NONE SET
Best Accessibility to Location: FROM COUNTY ROAD EAST OF LOCATION
Distance & Direction: ± 4 MILES SOUTHWEST OF DURHAM, OKLAHOMA



CERTIFICATE
I, V. Lynn Bezner, a Registered Land Surveyor and authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown.

V. Lynn Bezner
V. Lynn Bezner R.L.S. No. 1230

WASHITA RIVER 2H-16
SECTION 9
T-15-N, R-26-WIM
ROGER MILLS COUNTY, OKLAHOMA
LOCATION PLAT

ORIGINAL DOCUMENT SIZE: 14" X 8.5"

LE NORMAN OPERATING LLC	REVISION:
DATE: APRIL 11, 2014	
FILE: LO_WASHITA_RIVER_24_16	
DRAWN BY: I. GUTIERREZ	

NOTE:
BEARINGS AND DISTANCES ARE NAD-27 GRID OK NORTH ZONE AND WERE DETERMINED BY GPS OBSERVATION

This plat DOES NOT represent a true Boundary Survey. The footages and ties shown are from lines of occupation, which may not be actual Property Lines.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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