

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

API NUMBER: 129 23949 A

Approval Date: 05/06/2014
Expiration Date: 11/06/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION; UPDATE ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 13N Rge: 23W County: ROGER MILLS
SPOT LOCATION: SE SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 220 2308

Lease Name: BURNS Well No: 1H-7 Well will be 220 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

DORAN BURNS & ANNE MARIE BURNS LIVING TRUST
P.O. BOX 423
JONES OK 73049

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

Name	Depth	Name	Depth
1 TONKAWA	8925	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 139649 Location Exception Orders: 626230 Increased Density Orders:
Pending CD Numbers: Special Orders:

Total Depth: 13176 Ground Elevation: 1922 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 540

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 14-27107

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 07 Twp 13N Rge 23W 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: 7695

Radius of Turn: 580

Direction: 185

Total Length: 4570

Measured Total Depth: 13176

True Vertical Depth: 8925

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

Notes:

Category

Description

DEEP SURFACE CASING

5/2/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

LOCATION EXCEPTION - 626230

2/19/2015 - G75 - (I.O.)
X139649 TNKW
SHL 250 FSL, 2310 FEL 6-13N-23W **
FIRST PERF NCT 330 FNL, NCT 660 FEL 7-13N-23W
LAST PERF NCT 330 FSL, NCT 660 FEL 7-13N-23W
LE NORMAN OP. LLC
6-2-2014

** ITD HAS SHL AS 220 FSL, 2308 FEL 6-13N-23W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER ATTORNEY FOR OPERATOR

MEMO

5/2/2014 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 139649

5/2/2014 - G75 - (640) 7-13N-23W
EXT 127156 TNKW, OTHERS