

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

API NUMBER: 045 23519

Approval Date: 09/18/2014

Expiration Date: 03/18/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 19N Rge: 25W

County: ELLIS

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 310 600

Lease Name: PSHIGODA

Well No: 1H-6

Well will be 310 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

JOHN WILLIAM HAFFNER TRUST
RTE. 2 BOX 86
SHATTUCK OK 73858

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: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406034
201406035

Special Orders:

Total Depth: 13836

Ground Elevation: 2456

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 580

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 06 Twp 19N Rge 25W County ELLIS

Spot Location of End Point: W2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 600

Depth of Deviation: 8100

Radius of Turn: 600

Direction: 180

Total Length: 4793

Measured Total Depth: 13836

True Vertical Depth: 8700

End Point Location from Lease,

Unit, or Property Line: 330

Additional Surface Owner	Address	City, State, Zip
BARBARA JOANN HAFFNER TRUST	ROUTE 2 BOX 86	SHATTUCK, OK 73858

Notes:

Category	Description
DEEP SURFACE CASING	9/17/2014 - 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
PENDING CD - 201406034	9/17/2014 - G91 - (640)(HOR) 6-19N-25W EST CLVD, OTHERS POE TO BHL NCT 660' FB LE NORMAN OPERATING, LLC. REC. 9-8-2014 (PORTER)
PENDING CD - 201406035	9/17/2014 - G91 - (I.O.) 6-19N-25W X 201406034 CLVD SHL 250 FSL, 560 FEL ** COM. INT. NCT 165 FNL, NCT 165 FSL, NCT 560 FEL NO OP. NAMED REC. 9-8-2014 (PORTER)

** SHL TO BE CORRECTED IN INTERIM ORDER PER OPERATOR**

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