

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

API NUMBER: 083 24231

Approval Date: 11/27/2013
Expiration Date: 05/27/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 18N Rge: 3W

County: LOGAN

SPOT LOCATION: N2 N2 NW NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 175 660

Lease Name: GARY HOPFER

Well No: 1-35H

Well will be 175 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO
623 GARRISON AVE
FORT SMITH, AR 72902-2407

GARY P HOPFER & BETTY J HOPFER
11998 KELLBROAD
GUTHRIE OK 73044

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5600	6
2			7
3			8
4			9
5			10

Spacing Orders: 616401

Location Exception Orders: 616744

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11750

Ground Elevation: 965

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-25022

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 35 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 700

Depth of Deviation: 5080

Radius of Turn: 700

Direction: 180

Total Length: 5200

Measured Total Depth: 11750

True Vertical Depth: 5780

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

LOCATION EXCEPTION - 616744

11/27/2013 - G30 - (I.O.) 35-18N-3W
X616401 MSSP
COMP. INT. NCT 150 FNL, NCT 150 FSL, NCT 660 FWL
STEPHENS PRODUCTION COMPANY
10/8/13

SPACING - 616401

11/27/2013 - G30 - (640 HOR) 35-18N-3W
DEL OTHERS
EXT 615783 MSSP, OTHERS
POE TO BHL NCT 660' FB
(COEXIST WITH SP. 54903, MSSLM, MOLLY KUGHN 1-35, NE4 SE4, API 083-23166;
SUPPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)