

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

API NUMBER: 083 24355

Approval Date: 12/03/2014  
Expiration Date: 06/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 17N Rge: 3W

County: LOGAN

SPOT LOCATION:  SE  SE  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 200 1143

Lease Name: SEG PINTAIL

Well No: 2-21-28H

Well will be 200 feet from nearest unit or lease boundary.

Operator Name: STEPHENS ENERGY GROUP LLC

Telephone: 4797834191

OTC/OCC Number: 23535 0

STEPHENS ENERGY GROUP LLC  
PO BOX 8105  
FORT SMITH, AR 72902-8105

JANZEN PROPERTIES, LLC  
P.O. BOX 711  
CRESCENT OK 73028

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	5850	6
2			7
3			8
4			9
5			10

Spacing Orders: 603529

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407555  
201407554

Special Orders:

Total Depth: 10950

Ground Elevation: 1048

**Surface Casing: 630**

Depth to base of Treatable Water-Bearing FM: 380

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.

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 28 Twp 17N 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: 900

Depth of Deviation: 5300

Radius of Turn: 600

Direction: 182

Total Length: 4707

Measured Total Depth: 10950

True Vertical Depth: 5860

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

Notes:

Category	Description
PENDING CD - 201407554	11/10/2014 - G75 - 28-17N-3W X603529 MSSP 1 WELL NO OP. NAMED HEARING 12-8-2014
PENDING CD - 201407555	11/10/2014 - G75 - (E.O.) 28-17N-3W X603529 MSSP, OTHERS COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 660 FWL STEPHENS ENERGY GROUP, LLC REC 12-1-2014 (DECKER)
SPACING - 603529	11/10/2014 - G75 - (640)(HOR) 28-17N-3W VAC OTHER VAC 54849 MSSLM EXT 589339 MSSP, OTHER EST OTHER POE TO BHL NCT 660' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)

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.