

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

API NUMBER: 083 24351

Approval Date: 11/10/2014

Expiration Date: 05/10/2015

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 1123

Lease Name: SEG PINTAIL

Well No: 2-21H

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	5800	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 605847

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407553  
201407552

Special Orders:

Total Depth: 10700

Ground Elevation: 1049

**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**

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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

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 21 Twp 17N Rge 3W County LOGAN

Spot Location of End Point: NW NE NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 900

Depth of Deviation: 5300

Radius of Turn: 600

Direction: 357

Total Length: 4457

Measured Total Depth: 10700

True Vertical Depth: 5860

End Point Location from Lease,

Unit, or Property Line: 50

## Notes:

### Category

### Description

PENDING CD - 201407552

11/10/2014 - G75 - 21-17N-3W  
X605847 MSSP  
1 WELL  
NO OP. NAMED  
HEARING 11-18-2014

PENDING CD - 201407553

11/10/2014 - G75 - (E.O.) 21-17N-3W  
X605847 MSSP, OTHERS  
COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FWL  
STEPHENS ENERGY GROUP, LLC  
REC 11-7-2014 (OSBURN)

SPACING - 605847

11/10/2014 - G75 - (640)(HOR) 21-17N-3W  
VAC 216962 MSSLM, OTHER E2 NE4  
VAC 244070 MSSLM, OTHER  
EXT 603529 MSSP, OTHERS  
POE TO BHL NCT 660' FB  
(SUPERSEDE SP. ORDER # 216962 MSSLM SE4; COEXIST SP. ORDER # 216962 MSSLM W2  
NE4)

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083 24351 SEG PINTAIL 2-21H