

**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 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION & GROUND ELEVATION; UPDATE APPLICATION; ADD SOIL FARM PERMIT NUMBER

AMEND 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: 230 1143

Lease Name: **SEG PINTAIL** Well No: **2-21-28H** Well will be **230** 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.

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29138

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 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	1/15/2015 - G75 - 28-17N-3W X603529 MSSP 1 WELL NO OP. NAMED HEARING 1-21-2015
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)

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Office of the Conservation Division as to when Surface Casing will be run.