

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

API NUMBER: 083 24348

Approval Date: 10/29/2014

Expiration Date: 04/29/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 17N Rge: 3W

County: LOGAN

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 200 1340

Lease Name: SEG WOLF

Well No: 2-29MH

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

MITCHELL FAMILY PARTNERSHIP FARMS, LLC  
14201 ROUEN COURT  
OKLAHOMA CITY OK 73142

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5820	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 589339

Location Exception Orders: 624610

Increased Density Orders: 623317

Pending CD Numbers: 201407549  
201407548

Special Orders:

Total Depth: 10550

Ground Elevation: 1019

**Surface Casing: 640**

Depth to base of Treatable Water-Bearing FM: 390

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 29 Twp 17N Rge 3W County LOGAN

Spot Location of End Point: SE SW SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 900

Depth of Deviation: 5300

Radius of Turn: 600

Direction: 175

Total Length: 4307

Measured Total Depth: 10550

True Vertical Depth: 5860

End Point Location from Lease,

Unit, or Property Line: 50

## Notes:

Category	Description
INCREASED DENSITY - 623317	10/29/2014 - G75 - 29-17N-3W X589339 MSSP 1 WELL SLAWSON EXPLOR. CO., INC. 3-28-2014
LOCATION EXCEPTION - 624610	10/29/2014 - G75 - (I.O.) 29-17N-3W X589339 MSSP, OTHER COMPL. INT. NCT 200 FNL, NCT 200 FSL, NCT 660 FEL SLAWSON EXPLOR. CO., INC. 4-29-2014
PENDING CD - 201407548	10/29/2014 - G75 - (E.O.) X623317 CHANGE OPERATOR TO STEPHENS ENERGY GROUP, LLC HEARING 11-7-2014 (OK'D PER MCCOY)
PENDING CD - 201407549	10/29/2014 - G75 - (E.O.) X624610 CHANGE OPERATOR TO STEPHENS ENERGY GROUP, LLC HEARING 11-7-2014 (OK'D PER MCCOY)
SPACING - 589339	10/29/2014 - G75 - (640)(HOR) 29-17N-3W VAC 136545 MSSLM EST MSSP, OTHER POE TO BHL NCT 660' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)
SURFACE LOCATION	10/29/2014 - G75 - 200' FNL, 1340' FEL NE4 29-17N-3W PER SURVEY PLAT

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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.

083 24348 SEG WOLF 2-29MH