

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

API NUMBER: 083 24359

Approval Date: 12/19/2014
Expiration Date: 06/19/2015

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 1360

Lease Name: SEG RUFFLED GROUSE

Well No: 2-29-20H

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	5800	6	
2	WOODFORD	6010	7	
3	HUNTON	6140	8	
4			9	
5			10	

Spacing Orders: 606746

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201407551
201407550

Special Orders:

Total Depth: 12150

Ground Elevation: 1021

Surface Casing: 800

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

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 20 Twp 17N Rge 3W County LOGAN

Spot Location of End Point: NE NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 900

Depth of Deviation: 5740

Radius of Turn: 1184

Direction: 5

Total Length: 4550

Measured Total Depth: 12150

True Vertical Depth: 7264

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

Notes:

Category	Description
DEEP SURFACE CASING	12/19/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
PENDING CD - 201407550	12/19/2014 - G91 - 20-17N-3W X606746 MSSP 1 WELL NO OP. NAMED HRG 12-22-2014 (CANDLER)
PENDING CD - 201407551	12/19/2014 - G91 - (E.O) 20-17N-3W X606746 MSSP, WDFD, HNTN COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 660 FEL NO OP. NAMED REC. 12-1-2014 (DECKER)
SPACING - 606746	12/19/2014 - G91 - (640)(HOR) 20-17N-3W VAC 136545 MSSLM, HNTN EXT 603529 MSSP, WDFD, HNTN POE TO BHL NCT 660' FB (MSSP, HNTN) POE TO BHL NCT 330' FB (WDFD) (SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL DRILLING & SPACING UNITS)

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