

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 A

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

Horizontal Hole Oil & Gas

Amend reason: CORRECT THE WELL NAME, ADD SOIL FARMING & UPDATE ORDERS

AMEND 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 RUFFED 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: 634524 Increased Density Orders:
Pending CD Numbers: 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.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28808

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
LOCATION EXCEPTION - 634524	2/2/2015 - G76 - (E.O) 20-17N-3W X606746 MSSP, WDFD, HNTN SHL NE4 29-17N-3W COMPL. INT. NCT 150 FNL, NCT 150 FSL, NCT 660 FEL STEPHENS ENERGY GROUP, L.L.C. 12-26-2014
PENDING CD - 201407550	12/19/2014 - G91 - 20-17N-3W X606746 MSSP 1 WELL NO OP. NAMED HRG 12-22-2014 (CANDLER)
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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