

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

API NUMBER: 083 24213 A

Approval Date: 10/31/2013  
Expiration Date: 04/30/2014

Horizontal Hole Oil & Gas

Amend reason: ADD FORMATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 16N Rge: 4W

County: LOGAN

SPOT LOCATION:  SE  SW  SE  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 175 670

Lease Name: JANE

Well No: 3-16H

Well will be 175 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO  
PO BOX 2407  
FORT SMITH, AR 72902-2407

DENNIS L. RISING  
15930 W INDUSTRIAL RD  
CASHION OK 73016

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

	Name	Depth	Name	Depth
1	WOODFORD	6880	6	
2	HUNTON	6980	7	
3			8	
4			9	
5			10	

Spacing Orders: 616223

Location Exception Orders: 616788

Increased Density Orders:

621611

Pending CD Numbers:

Special Orders:

Total Depth: 12000

Ground Elevation: 961

**Surface Casing: 600**

Depth to base of Treatable Water-Bearing FM: 240

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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 13-24736

H. 20-MIL LINER REQUIRED

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 16 Twp 16N Rge 4W 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: 670

Depth of Deviation: 6380

Radius of Turn: 700

Direction: 360

Total Length: 4550

Measured Total Depth: 12000

True Vertical Depth: 7080

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

Notes:

Category	Description
DEEP SURFACE CASING	10/28/2013 - 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 - 616788	10/31/2013 - G30 - (I.O.) 16-16N-4W X616223 HNTN COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FEL STEPHENS PRODUCTION COMPANY 10/9/13
LOCATION EXCEPTION - 621611	3/27/2014 - G30 - (I.O.) 16-16N-4W X616223 WDFD COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FEL STEPHENS PRODUCTION COMPANY 2/13/14
SPACING - 616223	10/31/2013 - G30 - (640 HOR) 16-16N-4W EXT 608813/613119 HNTN, WDFD, OTHER EXT OTHER POE TO BHL (HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (COEXIST WITH SP. 155521, RECTOR 1, NW4, API 083-21190, STATE 1-1, NE4, API 083-21285; SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

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