

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

API NUMBER: 083 24281 A

Approval Date: 03/31/2014  
Expiration Date: 09/30/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE-HOLE LOCATION & GROUND  
ELEVATION; CORRECT BOTTOM-HOLE LOCATION

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 16N Rge: 4W County: LOGAN  
SPOT LOCATION:  NW  SW  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 965 2390

Lease Name: FOX Well No: 3-16-9H Well will be 965 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

COMMISSIONERS OF THE LAND OFFICE  
P.O. BOX 248896  
OKLAHOMA CITY OK 73124

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

Name	Depth	Name	Depth
1 HUNTON	6857	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 615469 Location Exception Orders: 620039 Increased Density Orders: 620251

Pending CD Numbers: Special Orders:

Total Depth: 12800 Ground Elevation: 981 Surface Casing: 600 Depth to base of Treatable Water-Bearing FM: 180

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26739  
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - CIMARRON RIVER)

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 09 Twp 16N Rge 4W County LOGAN

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1080

Depth of Deviation: 6495

Radius of Turn: 600

Direction: 6

Total Length: 5362

Measured Total Depth: 12800

True Vertical Depth: 7045

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

Notes:

Category	Description
DEEP SURFACE CASING	3/21/2014 - 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
INCREASED DENSITY - 620251	3/31/2014 - G30 - 9-16N-4W X615469 HNTN 1 WELL STEPHENS PRODUCTION COMPANY 1/13/14
LOCATION EXCEPTION - 620039	3/31/2014 - G30 - (I.O.) 9-16N-4W X615469 HNTN COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FEL STEPHENS PRODUCTION COMPANY 1/8/14
SPACING - 615469	3/31/2014 - G30 - (640 HOR) 9-16N-4W EXT 608813/613119 HNTN, OTHERS POE TO BHL NCT 660' FB (SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST SP. ORDER # 164264, HNTN, HALL 1, NE4 & FOX 1, SW4)

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