

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

API NUMBER: 083 24344 A

Approval Date: 10/22/2014  
Expiration Date: 04/22/2015

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION; UPDATE ORDERS; ADD SOIL FARM PERMIT NUMBER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 16N Rge: 4W

County: LOGAN

SPOT LOCATION:  SE  SW  SW  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 240 2300

Lease Name: MARRIOTT

Well No: 2-21H

Well will be 240 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

JUSTIN POST  
20138 EAST 810 ROAD  
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 WOODFORD	6820	6	
2 HUNTON	6915	7	
3		8	
4		9	
5		10	

Spacing Orders: 629691  
632461

Location Exception Orders: 632390

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11900

Ground Elevation: 992

**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

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: 14-28756

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 21 Twp 16N Rge 4W County LOGAN

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 6425

Radius of Turn: 600

Direction: 342

Total Length: 4532

Measured Total Depth: 11900

True Vertical Depth: 6975

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

Notes:

Category	Description
LOCATION EXCEPTION - 632390	1/15/2015 - G75 - (I.O.) 21-16N-4W X629691 WDFD, HNTN COMPL. INT. NCT 330 FSL, NCT 150 FNL, NCT 660 FWL STEPHENS PROD. CO. 10-30-2014
SPACING - 629691	1/15/2015 - G75 - (640)(HOR) 21-16N-4W VAC OTHER VAC 58758 HNTN NE4 VAC 227504 HNTN NW4 EXT 616223 WDFD, HNTN, OTHER POE TO BHL (HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB
SPACING - 632461	1/15/2015 - G75 - NPT 629691 TO VAC 59758 HNTN SW4

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.