

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

Approval Date: 10/22/2014

Expiration Date: 04/22/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

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

County: LOGAN

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 2300

Lease Name: MARRIOTT

Well No: 2-21H

Well will be 200 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

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201404805

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

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

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

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

PENDING CD - 201404805

10/16/2014 - G75 - (I.O.) 21-16N-4W  
X201404474 WDFD, HNTN \*\*  
COMPL. NCT 330 FSL, NCT 150 FNL, NCT 660 FWL  
NO OP. NAMED  
REC 8-1-2014 (NORRIS)

\*\* S/B X201404470 (629691) WDFD, HNTN; CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR

SPACING - 629691

10/16/2014 - 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

\*\* S/B VAC 59758 HNTN SW4; NUNC PRO TUNC HAS BEEN PREPARED BY ATTORNEY FOR OPERATOR AND A COPY REVIEWED BY OCC;