

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

API NUMBER: 083 24282

Approval Date: 04/01/2014  
Expiration Date: 10/01/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 16N Rge: 4W

County: LOGAN

SPOT LOCATION:  SW  SW  SE  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 200 1150

Lease Name: ZACHGO

Well No: 3-17H

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

JOHN RECTOR  
16900 W HWY 33  
CASHION OK 73016

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6350	6	
2	WOODFORD	6730	7	
3	HUNTON	6810	8	
4			9	
5			10	

Spacing Orders: 614931

Location Exception Orders: 620441

Increased Density Orders: 619372

Pending CD Numbers:

Special Orders:

Total Depth: 12000

Ground Elevation: 991

**Surface Casing: 560**

Depth to base of Treatable Water-Bearing FM: 290

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: 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 BED AQUIFER

Pit Location Formation: GARBER

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

PERMIT NO: 14-26782

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 17 Twp 16N Rge 4W County LOGAN

Spot Location of End Point: NW NW NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2620

Depth of Deviation: 6385

Radius of Turn: 600

Direction: 340

Total Length: 4700

Measured Total Depth: 12000

True Vertical Depth: 6935

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

Notes:

Category	Description
DEEP SURFACE CASING	3/25/2014 - 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 - 619372	4/1/2014 - G30 - 17-16N-4W X614931 HNTN 2 WELLS STEPHENS PRODUCTION COMPANY 12/18/13
LOCATION EXCEPTION - 620441	4/1/2014 - G30 - (I.O.) 17-16N-4W X614931 MSSP, WDFD, HNTN COMP. INT. NCT 150 FNL, NCT 1320 FWL/FEL, NCT 200 FSL STEPHENS PRODUCTION COMPANY 1/16/14
SPACING - 614931	4/1/2014 - G30 - (640 HOR) 17-16N-4W EXT 618813/613119 MSSP, HNTN EXT 618814/613119 WDFD POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (COEXIST WITH SP. 59564/61637 MSSLM & SP. 134522 HNTN, RUDD 1, NE4, API 083-20964; HERREN 1, NW4, API 083-21119; ZACHGO 17-1, SW4, API 083-00376; & JANE COLE 1, SE4, API 083-00902)

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