

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

API NUMBER: 083 24234

Approval Date: 12/09/2013
Expiration Date: 06/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 30 Twp: 18N Rge: 3W

County: LOGAN

SPOT LOCATION: SW SE SW SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 300 670

Lease Name: ANNIS

Well No: 1-30-31H

Well will be 300 feet from nearest unit or lease boundary.

Operator Name: STEPHENS PRODUCTION CO

Telephone: 4797834191

OTC/OCC Number: 23030 0

STEPHENS PRODUCTION CO
623 GARRISON AVE
FORT SMITH, AR 72902-2407

EILEEN B. HOPFER
10209 ROCKY FORD COURT
RALIEGH NC 27614

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5730	6	
2	WOODFORD	5920	7	
3	HUNTON	6010	8	
4			9	
5			10	

Spacing Orders: 618822

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307632

Special Orders:

Total Depth: 10800

Ground Elevation: 1059

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 360

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.

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 31 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: SW SE SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 670

Depth of Deviation: 5300

Radius of Turn: 600

Direction: 180

Total Length: 4860

Measured Total Depth: 10800

True Vertical Depth: 6010

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

Notes:

Category	Description
PENDING CD - 201307632	12/9/2013 - G30 - 31-18N-3W X201307029 MSSP, WDFD, HNTN COMP. INT. NCT 150 FSL/FSL, NCT 670 FEL/FWL NO OP. NAMED REC 12/2/13 (STUCK)
SPACING - 618822	12/9/2013 - G30 - (640 HOR) 31-18N-3W DEL 132025 MSSLM EXT 606981 MSSP, WDFD, HNTN POE TO BHL (MSSP, HNTN) NCT 660 FB POE TO BHL (WDFD) NCT 330' FB (COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNIT, SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

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