

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

API NUMBER: 083 24262

Approval Date: 02/12/2014

Expiration Date: 08/12/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 18N Rge: 3W

County: LOGAN

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 175 1619

Lease Name: CARMA

Well No: 2-25H

Well will be 175 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

WAYNE HOPFER  
1644 ILA PERDUE DR  
KNOXVILLE TN 37931

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5440	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 615783

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400462  
201400461

Special Orders:

Total Depth: 10500

Ground Elevation: 812

**Surface Casing: 600**

Depth to base of Treatable Water-Bearing FM: 250

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: 1A

Liner required for Category: 1A

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

H. 20-MIL LINER REQUIRED

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 25 Twp 18N Rge 3W County LOGAN

Spot Location of End Point: NE NE NW NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1000

Depth of Deviation: 5000

Radius of Turn: 700

Direction: 360

Total Length: 4500

Measured Total Depth: 10500

True Vertical Depth: 5575

End Point Location from Lease,

Unit, or Property Line: 50

## Notes:

### Category

### Description

DEEP SURFACE CASING

2/10/2014 - 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

PENDING CD - 201400461

2/12/2014 - G30 - 25-18N-3W  
X615783 MSSP  
2 WELLS  
NO OP. NAMED  
REC 2/7/14 (STUCK)

PENDING CD - 201400462

2/12/2014 - G30 - 25-18N-3W  
X615783 MSSP  
COMP. INT. NCT 150 FSL, NCT 150 FNL, NCT 660 FWL  
NO OP. NAMED  
REC 2/7/14 (STUCK)

SPACING - 615783

2/12/2014 - G30 - (640 HOR) 25-18N-3W  
EXT 607270 MSSP, OTHERS  
POE TO BHL NCT 660' FB  
(COEXIST WITH SP. 80089, MSSLM, JOHN HOPFER 2-25, E2 NE4, API 083-21614)

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083 24262 CARMA 2-25H

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