

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 A

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

Horizontal Hole Oil & Gas

Amend reason: CHANGE DISPOSAL METHOD

AMEND 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.

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

PERMIT NO: 13-25100

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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083 24234 ANNIS 1-30-31H