

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

API NUMBER: 083 24223

Approval Date: 11/19/2013
Expiration Date: 05/19/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 16N Rge: 4W County: LOGAN
SPOT LOCATION: SW SW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 206 2464

Lease Name: MURRAY Well No: 2-7-18H Well will be 206 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

MILDRED FIGHTMASTER
PO BOX 498
CRESCENT OK 73028

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6395	6	
2 WOODFORD	6780	7	
3 HUNTON	6860	8	
4		9	
5		10	

Spacing Orders: 616234

Location Exception Orders: 616917

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 12200

Ground Elevation: 960

Surface Casing: 550

Depth to base of Treatable Water-Bearing FM: 260

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-24828
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 18 Twp 16N Rge 4W County LOGAN

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1935

Depth of Deviation: 6300

Radius of Turn: 700

Direction: 175

Total Length: 4750

Measured Total Depth: 12200

True Vertical Depth: 7005

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

Notes:

Category	Description
DEEP SURFACE CASING	11/18/2013 - 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
LOCATION EXCEPTION - 616917	11/19/2013 - G30 - (I.O.) E2 18-16N-4W X616234 MSSP, WDFD, HNTN COMP. INT. NCT 150 FNL, NCT 150 FSL, NCT 660 FWL STEPHENS PRODUCTION COMPANY 10/11/13
SPACING - 616234	11/19/2013 - G30 - (320 HOR) E2 18-16N-4W EST MSSP, WDFD EXT 598075 HNTN POE TO BHL (MSSP, HNTN) NCT 660' FB POE TO BHL (WDFD) NCT 330' FB (COEXIST WITH SP. 59564 MISS & SP. 164264 HNTN, ZACHGO 18-1, SE4 NE4, API 083-21578; SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

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