

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

API NUMBER: 119 24240 A

Approval Date: 06/27/2014  
Expiration Date: 12/27/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE WELL NAME

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 19N Rge: 2E County: PAYNE  
SPOT LOCATION:  NW  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 246 1652

Lease Name: STILLWATER CREEK 25-19N-2E Well No: 3WH Well will be 246 feet from nearest unit or lease boundary.  
Operator Name: AMERICAN ENERGY-WOODFORD LLC Telephone: 4056085574; 4054188 OTC/OCC Number: 23358 0

AMERICAN ENERGY-WOODFORD LLC  
PO BOX 18756  
OKLAHOMA CITY, OK 73154-0756

COMMISSIONERS OF THE LAND OFFICE  
PO BOX 248896  
OKLAHOMA CITY OK 73124

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	4300	6	
2 WOODFORD	4470	7	
3 MISENER-HUNTON	4500	8	
4		9	
5		10	

Spacing Orders: 619173 Location Exception Orders: 201403583 Increased Density Orders: 201403581

Pending CD Numbers: Special Orders:

Total Depth: 10500 Ground Elevation: 908 Surface Casing: 340 Depth to base of Treatable Water-Bearing FM: 90

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27122

Type of Mud System: WATER BASED

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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: OSCAR

*Cancel Permit Per Operator Request. VH 12-9-14*

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 19N Rge 2E County PAYNE

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 215

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 3679

Radius of Turn: 780

Direction: 360

Total Length: 4500

Measured Total Depth: 10500

True Vertical Depth: 4500

End Point Location from Lease,  
Unit, or Property Line: 215

Notes:

Category

Description

PENDING CD - 201403581

6/27/2014 - G72 - 25-19N-02E X 619173 WDFD; 2 WELLS; NO OPER NAMED; HRG 7/14/2014

PENDING CD - 201403583

6/27/2014 - G72 - 25-19N-02E (I.O.)  
X 619173 MSSP, WDFD, MSRH;  
COMP INT. NCT 165 FNL NCT 165 FSL NCT 1980 FEL;  
NO OPER NAMED;  
REC 6/16/2014 (NORRIS)

SPACING - 619173

6/27/2014 - G72 - (640 HORZ) 25-19N-02E EXT 605008 MSSP, WDFD, MSRH, OTHER MSSP,  
MSRH NCT 660' FB, WDFD, OTHER NCT 330 FB; SUPERCEDE EXISTING NON-DEVELOPED NON  
-HORIZONTAL DRILLING AND SPACING UNITS

WATERSHED STRUCTURE

6/23/2014 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION  
WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405)  
372-7201 PRIOR TO DRILLING

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Office of the Conservation Division as to when Surface Casing will be run.

119 24240 STILLWATER CREEK 25-19N-2E  
3WH