

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

API NUMBER: 119 24239 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: 261 1652

Lease Name: STILLWATER CREEK 25-19N-2E

Well No: 2WH

Well will be 261 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 WOODFORD	4460	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 619173

Location Exception Orders: 627919

Increased Density Orders: 629514

Pending CD Numbers:

Special Orders:

Total Depth: 10000

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

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 BED AQUIFER

Pit Location Formation: OSCAR

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27121  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 215

Feet From: EAST 1/4 Section Line: 1600

Depth of Deviation: 3679

Radius of Turn: 780

Direction: 360

Total Length: 4500

Measured Total Depth: 10000

True Vertical Depth: 4585

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

Notes:

Category	Description
INCREASED DENSITY - 629514	9/24/2014 - G91 - 25-19N-02E X 619173 WDFD 2 WELLS AMERICAN ENERGY - WOODFORD,LLC. 8-21-2014
LOCATION EXCEPTION - 627919	9/24/2014 - G91 - (I.O.) 25-19N-02E X 619173 MSSP, WDFD, MSRH COMP INT. NCT 165 FSL NCT 165 FNL NCT 1320 FEL AMERICAN ENERGY - WOODFORD,LLC. 7-16-2014
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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