

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

API NUMBER: 119 24289

Approval Date: 10/15/2014
Expiration Date: 04/15/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 19N Rge: 3E County: PAYNE
SPOT LOCATION: NW NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 200 1939

Lease Name: FRANK 31-19N-3E Well No: 1MH Well will be 200 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

FRANK W. & SANDRA J. ADAMS
2805 E 32ND ST
STILLWATER OK 74074

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4228	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 608471

Location Exception Orders: 629916

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10500

Ground Elevation: 862

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 200

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 14-28379

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 31 Twp 19N Rge 3E County PAYNE

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1900

Depth of Deviation: 3728

Radius of Turn: 1223

Direction: 179

Total Length: 4850

Measured Total Depth: 10500

True Vertical Depth: 4951

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category	Description
LOCATION EXCEPTION - 629916	10/15/2014 - G91 - (I.O.) 31-19N-3E X 608471 MSSP, OTHERS X OTHERS COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 1320 FWL AMERICAN ENERGY-WOODFORD, LLC. 9-2-2014
SPACING - 608471	10/15/2014 - G91 - (640)(HOR) 31-19N-3E VAC 205997 MSSLM, OTHER EXT 605008 MSSP, OTHERS POE TO BHL NCT 660' FB (SUPERCEDE EXISTING NON-DEVELOPED NON-HORIZONTAL DRILLING AND SPACING UNITS; COEXIST PRODUCING NON-HORIZONTAL DRILLING AND SPACING UNITS)

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