

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

API NUMBER: 119 24325

Approval Date: 01/21/2015
Expiration Date: 07/21/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 19N Rge: 1W County: PAYNE
SPOT LOCATION: SE SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 133 1670

Lease Name: BUCKNER 24-19N-1W Well No: 1WH Well will be 133 feet from nearest unit or lease boundary.

Operator Name: AMERICAN ENERGY-WOODFORD LLC Telephone: 4056085540; 4054188 OTC/OCC Number: 23358 0

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

GEORGE W. BUCKNER
1319 S. VASSAR ROAD
ORLANDO OK 73073

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

Name	Depth	Name	Depth
1 WOODFORD	4948	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 628303

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201409204

Special Orders:

Total Depth: 10500

Ground Elevation: 1000

Surface Casing: 580

Depth to base of Treatable Water-Bearing FM: 390

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: WELLINGTON

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29319
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - LAKE CARL BLACKWELL)

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 24 Twp 19N Rge 1W County PAYNE

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 470

Depth of Deviation: 4200

Radius of Turn: 748

Direction: 300

Total Length: 5125

Measured Total Depth: 10500

True Vertical Depth: 4948

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

Notes:

Category	Description
PENDING CD - 201409204	1/21/2015 - G76 - (E.O.) W2 24-19N-1W X628303 WDFD COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 330 FWL AMERICAN ENERGY - WOODFORD, LLC REC. 1/20/2015 (DECKER)
SPACING - 628303	1/21/2015 - G76 - (320)(HOR) W2 24-19N-1W SU W2 EST WDFD, OTHERS POE TO BHL (OTHERS) NCT 660 FB POE TO BHL (WDFD, OTHER) NCT 330 FB

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