

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 A

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

Horizontal Hole Oil & Gas

Amend reason: UPDATE TO MSC

AMEND 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: 640**

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

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

Approved Method for disposal of Drilling Fluids:

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

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.

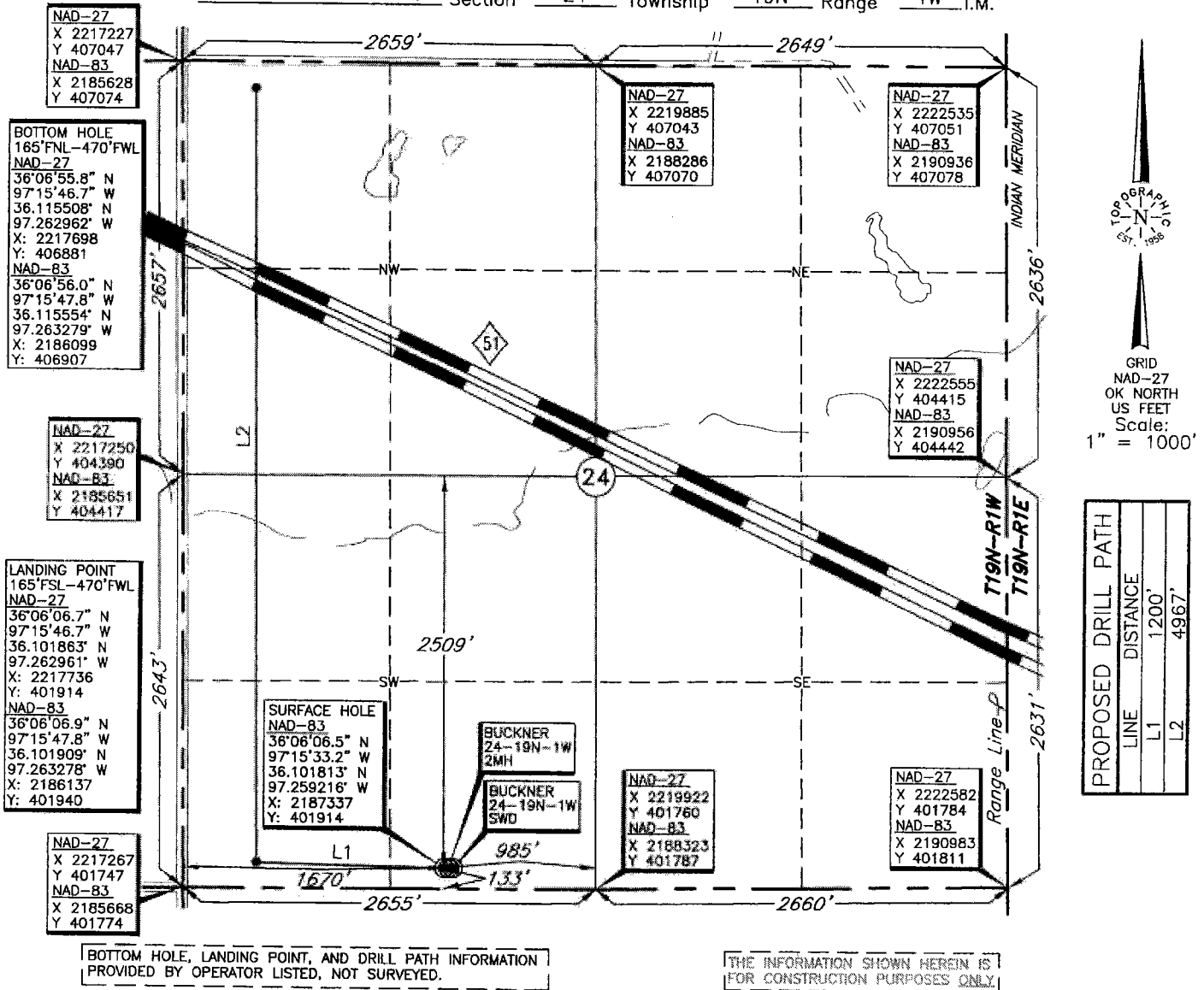
API-119-24325

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
Certificate of Authorization No. 1293.

PAYNE County, Oklahoma

133'FSL-1670'FWL Section 24 Township 19N Range 1W I.M.



BOTTOM HOLE, LANDING POINT, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.

Operator: AMERICAN ENERGY - WOODFORD, LLC  
Lease Name: BUCKNER 24-19N-1W

Well No.: 1WH **ELEVATION:** 1000' Gr. at Stake

Topography & Vegetation Loc. fell in scattered trees  
Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None  
Best Accessibility to Location From West off county road  
Distance & Direction From the junction of St. Hwy 51 & I-35, go ± 4.5 miles East on St. Hwy 51, then ± 0.8 mile South to the Southwest Corner of Section 24, T19N-R1W.

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.  
DATUM: NAD-27  
LAT: 36°06'06.4"N  
LONG: 97°15'32.0"W  
LAT: 36.101767° N  
LONG: 97.258899° W  
STATE PLANE COORDINATES (US FEET):  
ZONE: OK NORTH  
X: 2218936  
Y: 401888

Date of Drawing: Dec. 30, 2014  
Invoice # 238214 Date Staked: Nov. 26, 2014 NMB

**CERTIFICATE:**

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

Thomas L. Howell  
Oklahoma Reg. No. 1433

