

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

API NUMBER: 119 24330

Approval Date: 01/29/2015

Expiration Date: 07/29/2015

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 1700

Lease Name: BUCKNER 24-19N-1W

Well No: 2WH

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	4921	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 628303

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201409205  
201409203

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: 14-29320

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 NE NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 1780

Depth of Deviation: 4418

Radius of Turn: 550

Direction: 5

Total Length: 5218

Measured Total Depth: 10500

True Vertical Depth: 4968

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

Notes:

Category

Description

PENDING CD - 201409203

1/28/2015 - G76 - W2 34-19N-1W  
X628303 WDFD  
2 WELLS  
NO OP. NAMED

HEARING ON 2/10/2015

PENDING CD - 201409205

1/28/2015 - G76 - (E.O.) W2 24-19N-1W  
X628303 WDFD  
COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 1320 FWL  
AMERICAN ENERGY - WOODFORD, L.L.C.  
REC. 1/27/2015 (DECKER)

SPACING - 628303

1/28/2015 - G76 - (320)(HOR) W2 24-19N-1W SU W2  
EST WDFD, OTHERS  
POE TO BHL NCT 330 FB

API - 119-24330

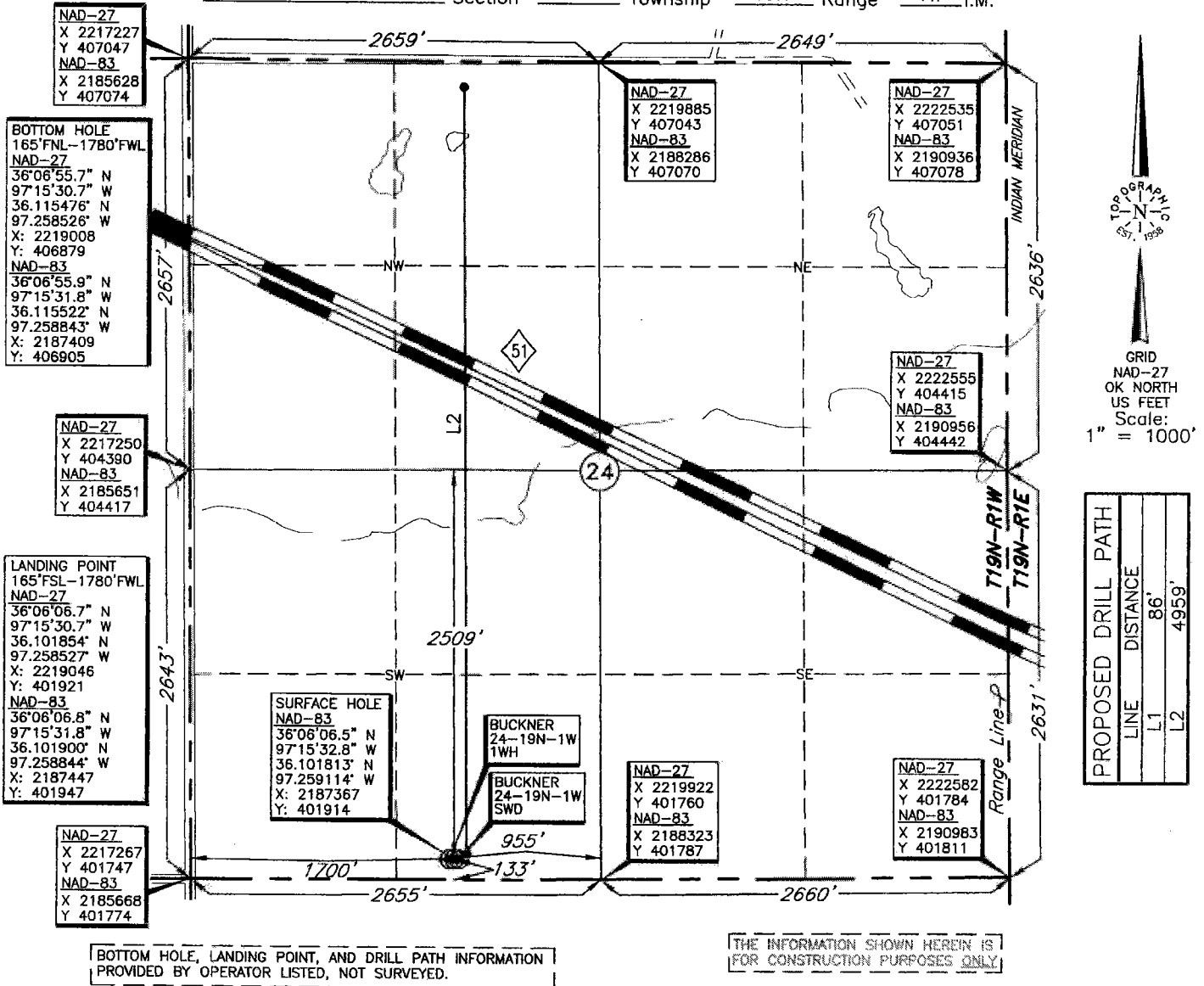
**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

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-1700'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.: 2MH **ELEVATION:** 1001' 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°15'31.7"W  
 LAT: 36.101767° N  
 LONG: 97.258798° W  
 STATE PLANE COORDINATES (US FEET):  
 ZONE: OK NORTH  
 X: 2218966  
 Y: 401888

Date of Drawing: Dec. 30, 2014  
 Invoice # 238214A 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

