

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

API NUMBER: 119 24222

Approval Date: 05/12/2014
Expiration Date: 11/12/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 18N Rge: 2E County: PAYNE
SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 294 334

Lease Name: JUDGE 17-18N-2E Well No: 4WH Well will be 294 feet from nearest unit or lease boundary.

Operator Name: AMERICAN ENERGY-WOODFORD LLC Telephone: 4054188001; 4054188 OTC/OCC Number: 23358 0

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

WALTER & LOUIS JUDGE REV TRUST
2626 MONROE STREET NE
ALBUQUERQUE NM 87110

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

Name	Depth	Name	Depth
1 WOODFORD	4675	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 585553 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201402384 Special Orders:

Total Depth: 10800 Ground Elevation: 970 **Surface Casing: 120** Depth to base of Treatable Water-Bearing FM: 70

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: 14-27061
- 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 17 Twp 18N Rge 2E County PAYNE

Spot Location of End Point: NW NW NE NE

Feet From: SOUTH 1/4 Section Line: 2475

Feet From: WEST 1/4 Section Line: 1620

Depth of Deviation: 4200

Radius of Turn: 700

Direction: 346

Total Length: 5500

Measured Total Depth: 10800

True Vertical Depth: 4800

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

Notes:

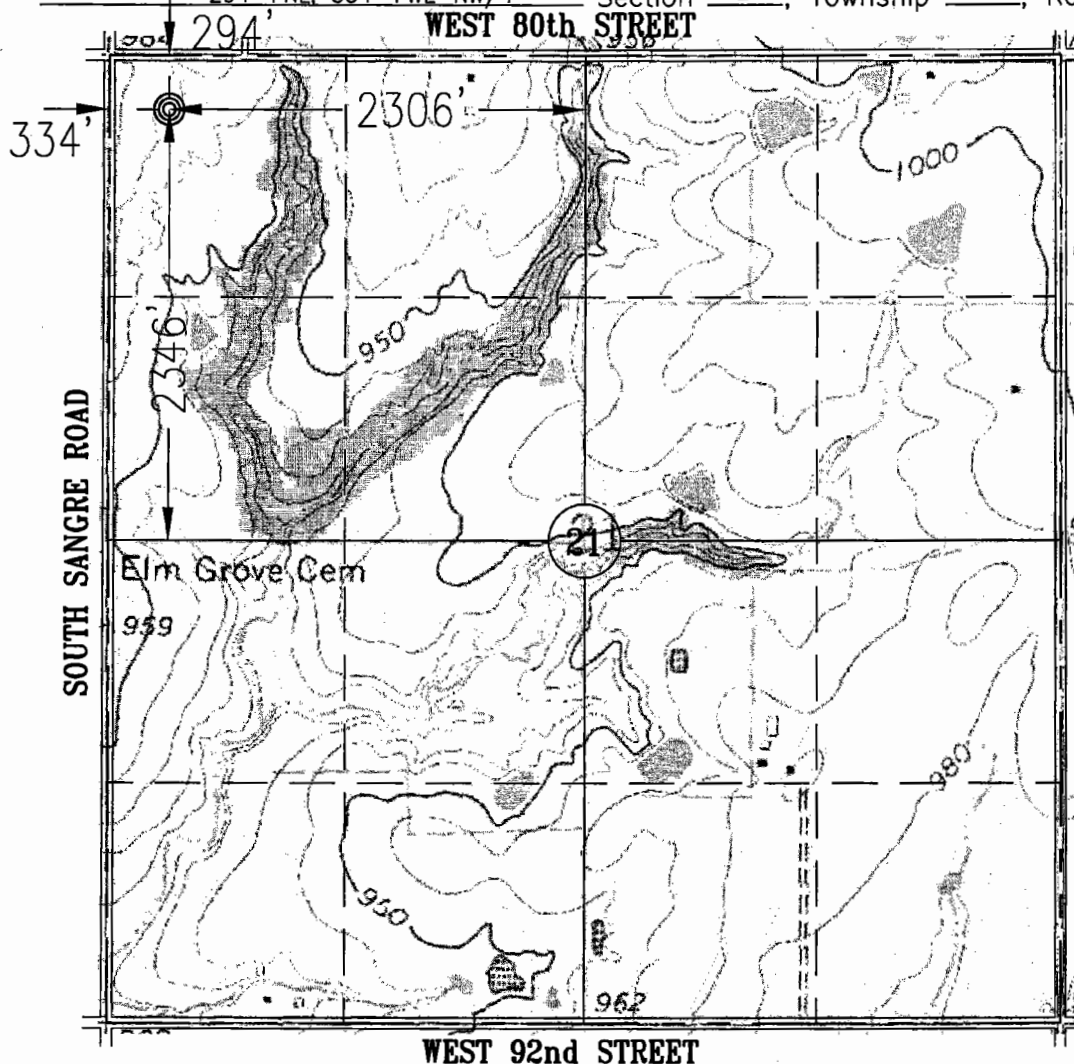
Category	Description
PENDING CD - 201402384	5/12/2014 - G75 - (I.O.) 17-18N-2E X585553 WDFD COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 330 FEL NO OP. NAMED REC 4-28-2014 (LEAVITT)
SPACING - 585553	5/12/2014 - G75 - (640)(HOR) 17-18N-2E VAC OTHER EST WDFD, OTHER POE TO BHL NCT 660' FB
SURFACE LOCATION	5/12/2014 - G75 - 294' FNL, 334' FWL NW4 21-18N-2E PER SURVEY PLAT

API 119-24222

PROPOSED WELL LOCATION

PAYNE County, Oklahoma

294' FNL, 334' FWL-NW/4 Section 21, Township 18N, Range 2E I.M.



Scale: 1"=1000'
CONTOUR INTERVAL: 10'

This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately at any possible discrepancy.

Distances shown in are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have not been measured.

Operator: AMERICAN ENERGY-WOODFORD, LLC

Lease Name: JUDGE #17-18N-2E-4 QWT Per operator 5-12-2014 SPV

Topography & Vegetation: LOCATION FELL ON EXISTING PAD

Good Drill Site: YES

Best Accessibility to Location: FROM NORTH OR WEST

Distance and Direction from Hwy Junction or Town: AT THE SOUTHEAST INTERSECTION OF SOUTH SANGRE ROAD AND WEST 80th STREET

ELEVATION:
970' GR. AT STAKE

Keystone Engineering and Land Surveying, Inc. CA #5877 Exp. 6/30/15 P.O. Box 436 Stillwater, OK. 74076 Ph. (405) 743-3355



CERTIFICATE:

W14-076

I, Carey E. Harris, an Oklahoma Professional Land Surveyor and an authorized agent of Keystone Engineering and Land Surveying, Inc., does hereby certify that on March 10th, 2014, the above described well location was surveyed on the ground as shown herein.

CEH 12 Mar 14
Carey E. Harris, Oklahoma Professional Land Surveyor No. 1719

(THE FOLLOWING INFORMATION WAS GATHERED USING A GPS RECEIVER.)
ACCURACY ±3 FOOT.

GPS DATUM: NAD-83
LATITUDE: 36°01'42" N
LONGITUDE: 97°06'11" W

STATE PLANE COORDINATES
ZONE: OK NORTH
X: 2233584
Y: 375500