

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

API NUMBER: 119 24275

Approval Date: 09/19/2014
Expiration Date: 03/19/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 33 Twp: 18N Rge: 2E County: PAYNE
SPOT LOCATION: NW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 250 2217

Lease Name: JUDGE SOUTH 28-18N-2E Well No: 2MH Well will be 250 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

KEN AND LESLIANNA JUDGE
4104 WEST 104TH ST
PERKINS OK 74059

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN	4597	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406255
201406258
201406256

Special Orders:

Total Depth: 10500 Ground Elevation: 963 **Surface Casing: 420** Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

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: 14-27937
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 28 Twp 18N Rge 2E County PAYNE

Spot Location of End Point: N2 N2 NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 4111

Radius of Turn: 678

Direction: 360

Total Length: 4700

Measured Total Depth: 10500

True Vertical Depth: 4597

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

Notes:

Category	Description
PENDING CD - 201406255	9/17/2014 - G72 - (640 HORZ) 28-18N-02E VAC 115813 MISS (N2 & E2 SE); VAC 192713 MISS (SW & W2 SE); VAC 192713 HNTN, VIOL; EXT 588364 MSSP, WDFD; EXT 618255 MSRH, SLVN, VIOL; REC 9/16/2014 (P PORTER)
PENDING CD - 201406256	9/18/2014 - G72 - 28-18N-02E X 201406255 MSSP, 1 WELL, NO OPER NAMED, REC 9/16/2014 (P PORTER)
PENDING CD - 201406258	9/17/2014 - G72 - 28-18N-02E (I.O.) X 201406255 MSSP, OTHERS COMP INT NCT 165 FNL NCT 165 FSL NCT 330 FWL; NO OPER NAMED, REC 9/16/2014

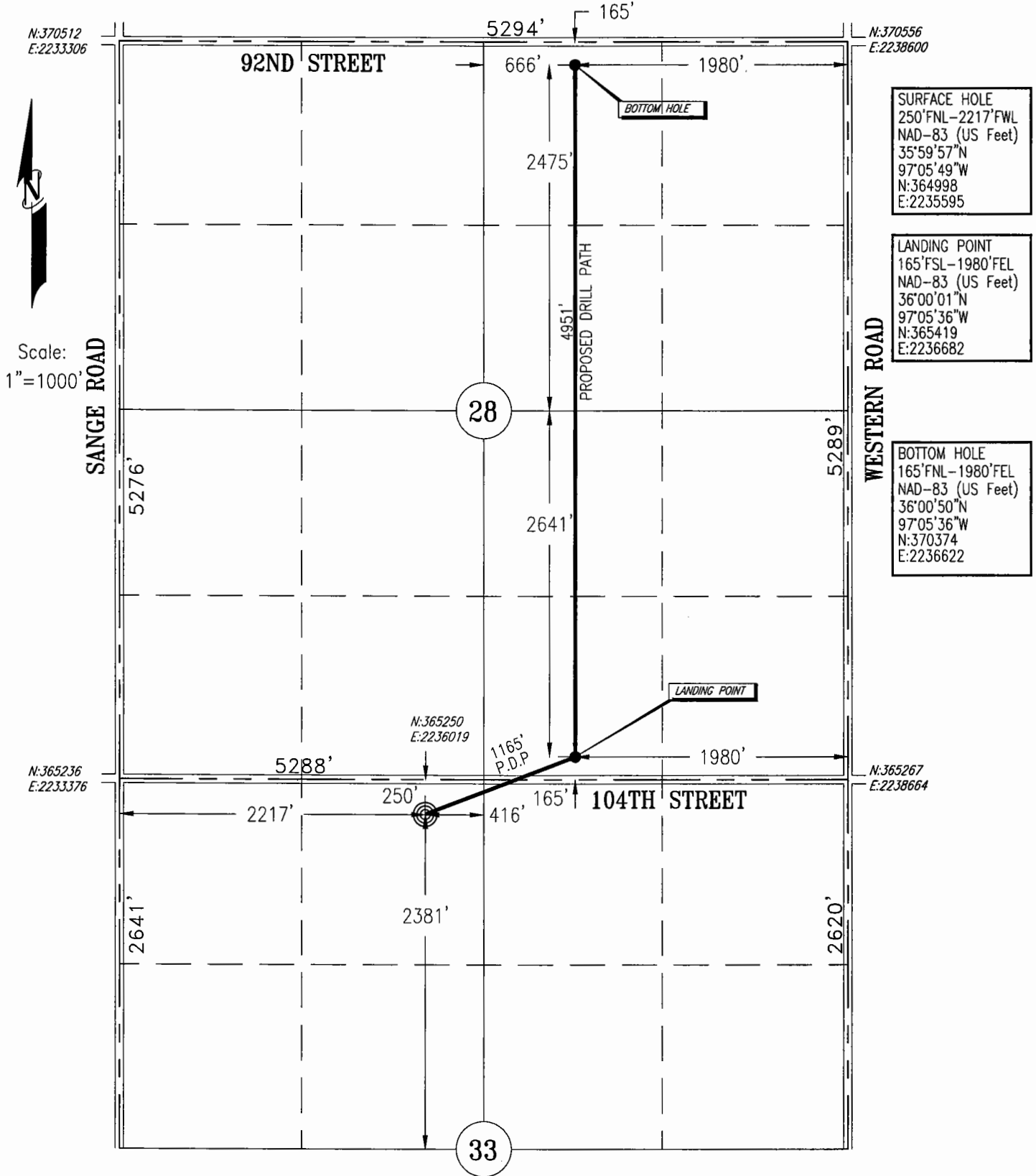
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
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PROPOSED WELL LOCATION

119-24275

PAYNE County, Oklahoma

250' FNL, 2217' FWL NW/4 Section 33, Township 18N, Range 2E I.M.



SURFACE HOLE
 250'FNL-2217'FWL
 NAD-83 (US Feet)
 35°59'57"N
 97°05'49"W
 N:364998
 E:2235595

LANDING POINT
 165'FSL-1980'FEL
 NAD-83 (US Feet)
 36°00'01"N
 97°05'36"W
 N:365419
 E:2236682

BOTTOM HOLE
 165'FNL-1980'FEL
 NAD-83 (US Feet)
 36°00'50"N
 97°05'36"W
 N:370374
 E:2236622

Bottom Hole, Landing Point, and Drill Path information provided by operator listed, NOT Surveyed; distance between drill paths are calculated.

Operator: AMERICAN ENERGY-WOODFORD, LLC

Lease Name: JUDGE SOUTH 28-18N-2E

Well No.: 2MH

Topography & Vegetation: LOCATION FELL IN PASTURE LAND

Good Drill Site: YES

Best Accessibility to Location: FROM NORTH

Distance and Direction from Hwy Junction or Town: FROM THE INTERSECTION OF SANGRE ROAD AND 104TH STREET ROAD EAST 0.42 MILES TO WELL PAD

ELEVATION:
963' 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:

W14-161

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 April 24, 2014, the above described well location was surveyed on the ground as shown herein.

[Signature]
 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: 35°59'57" N
 LONGITUDE: 97°05'49" W
 STATE PLANE COORDINATES
 ZONE: OK NORTH
 X: 2235595
 Y: 364998