

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

API NUMBER: 119 24306

Approval Date: 11/10/2014
Expiration Date: 05/10/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 17N Rge: 4E County: PAYNE
SPOT LOCATION: SE SE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 328 270

Lease Name: **LODESTONE 6-17N-4E** Well No: **1MH** Well will be **270** 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

LOUIS A. WILLIAMS & BONNIE S. WILLIAMS
413 WEST 9TH STREET
CUSHING OK 74023

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	3980	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 601212

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201406479
201406478

Special Orders:

Total Depth: 10500

Ground Elevation: 890

Surface Casing: 350

Depth to base of Treatable Water-Bearing FM: 100

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: VANOSS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28400
H. CLOSED SYSTEM=STEEL PITS REQUIRED (CIMARRON RIVER)

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 06 Twp 17N Rge 4E County PAYNE

Spot Location of End Point: NW NW NE NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1120

Depth of Deviation: 3480

Radius of Turn: 872

Direction: 358

Total Length: 4650

Measured Total Depth: 9500

True Vertical Depth: 3980

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

Notes:

Category	Description
PENDING CD - 201406478	11/10/2014 - G91 - 6-17N-4E X601212 MSSP 1 WELL NO OP. NAMED REC. 9-23-2014 (N. STUCK)
PENDING CD - 201406479	11/10/2014 - G91 - 6-17N-4E X601212 MSSP COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 300 FEL NO OP. NAMED REC. 9-23-2014 (N. STUCK)
SPACING - 601212	11/10/2014 - G91 - (640)(HOR) 6-17N-4E VAC 296209 MSSP, OTHER EST MSSP, OTHERS POE TO BHL NCT 660' FB

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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.

119-24306

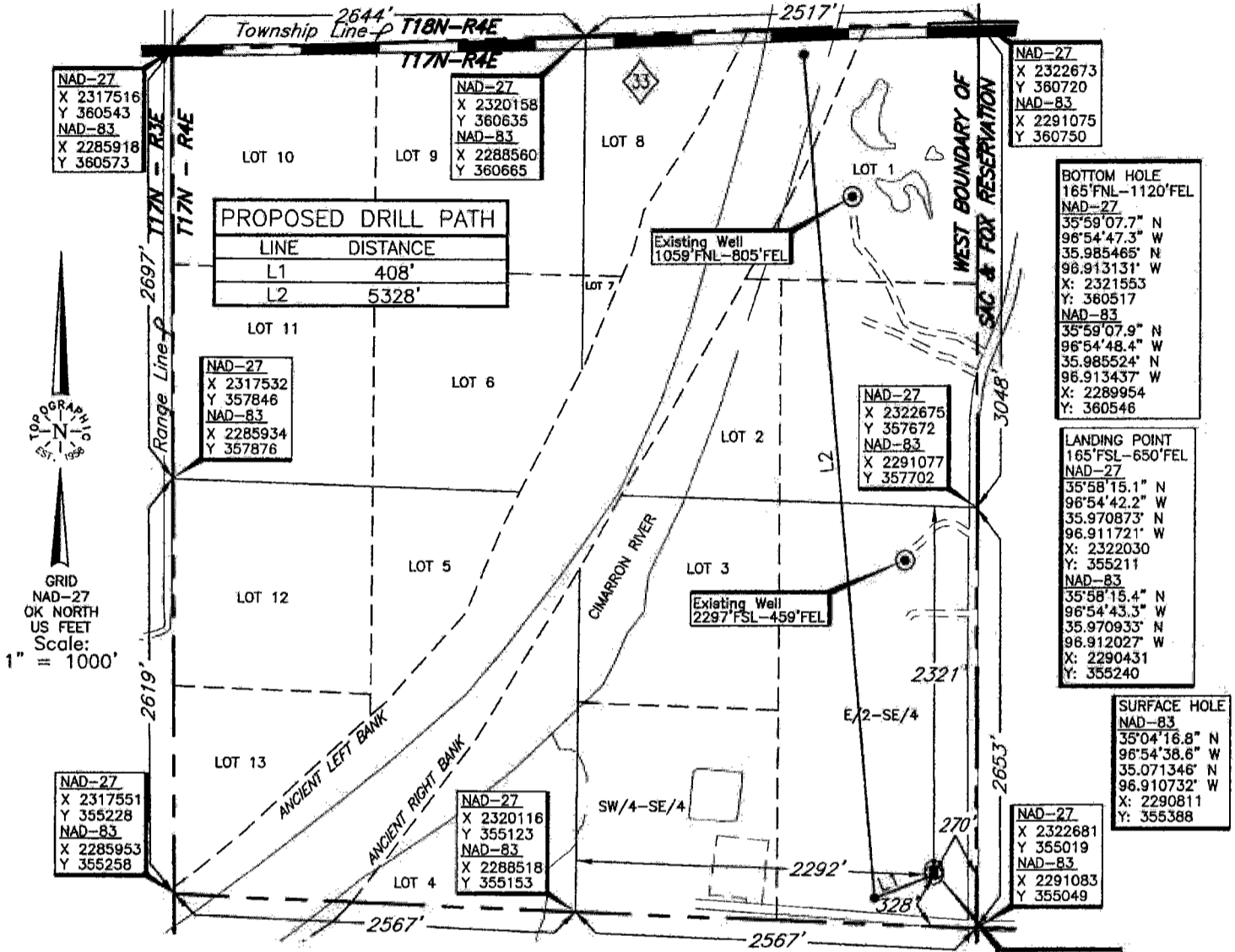
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

328'FSL-270'FEL Section 6 Township 17N Range 4E 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.

LODESTONE 5-17N-4E 1MH

Operator: AMERICAN ENERGY - WOODFORD, LLC
 Lease Name: LODESTONE 6-17N-4E

Well No.: 1MH

ELEVATION:
888' Gr. at Stake

Topography & Vegetation Loc. fell in sloping pasture, ± 262' N. of power line & ± 202' W. of power line

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From East off county road

Distance & Direction from Hwy Jct or Town From the junction of St. Hwy 33 E-W & St. Hwy 18 South, go ± 2 miles West on St. Hwy 33, then ± 1 mile South to the Southeast Corner of Section 6, T17N-R4E.

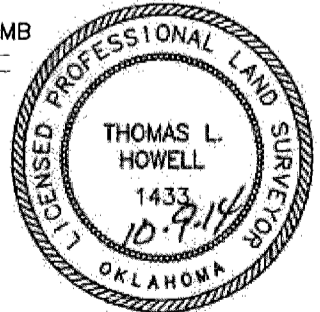
DATUM: NAD-27
 LAT: 35°58'16.9"N
 LONG: 96°54'37.6"W
 LAT: 35.971269° N
 LONG: 96.910432° W
 STATE PLANE COORDINATES (US FEET):
 ZONE: OK NORTH
 X: 2322410
 Y: 355359

Date of Drawing: Oct. 8, 2014
 Invoice # 231537A Date Staked: Oct. 6, 2014 NMB

CERTIFICATE:

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

Thomas L. Howell
 Oklahoma Reg. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.