

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

API NUMBER: 119 24338

Approval Date: 04/03/2015

Expiration Date: 10/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 19N Rge: 2E

County: PAYNE

SPOT LOCATION: ☐ NE ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 477 2346

Lease Name: DUNCAN 35-26-19N-2E

Well No: 2WH

Well will be 477 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

DUNCAN-AKERS PROPERTIES
808 S MAIN #314
STILLWATER OK 74074

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	4462	6	
2	WOODFORD	4594	7	
3	MISENER-HUNTON	4639	8	
4			9	
5			10	

Spacing Orders: 623324
622940

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500706
201500708
201500707

Special Orders:

Total Depth: 15000

Ground Elevation: 998

Surface Casing: 330

Depth to base of Treatable Water-Bearing FM: 280

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? Y

Wellhead Protection Area? Y

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: 15-29762
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 26 Twp 19N Rge 2E 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: 1800

Depth of Deviation: 3794

Radius of Turn: 800

Direction: 355

Total Length: 9949

Measured Total Depth: 15000

True Vertical Depth: 4639

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

PENDING CD - 201500706

4/2/2015 - G76 - (I.O.)(MULTIUNIT) 26 & 35-19N-2E
EST MULTIUNIT HORIZONTAL WELL
X623324 (26-19N-2E) MSSP, MSRH, WDFD
X622940 (35-19N-2E) MSSP, MSRH, WDFD
(MSSP, MSRH ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD)
50% 26-19N-2E
50% 35-19N-2E
NO OP. NAMED
REC. 3/31/2015 (LEAVITT)

PENDING CD - 201500707

4/2/2015 - G76 - 26 & 35-19N-2E
X623324 (26-19N-2E) MSSP, MSRH, WDFD
X622940 (35-19N-2E) MSSP, MSRH, WDFD
2 WELLS
NO OP. NAMED
REC. 3/31/2015 (LEAVITT)

PENDING CD - 201500708

4/2/2015 - G76 - (I.O.) 26 & 35-19N-2E
X623324 (26-19N-2E) MSSP, MSRH, WDFD
X622940 (35-19N-2E) MSSP, MSRH, WDFD
1ST PERF (35-19N-2E) NCT 165 FSL, NCT 1320 FWL
LAST PERF (35-19N-2E) NCT 0 FNL, NCT 1320 FWL
1ST PERF (26-19N-2E) NCT 0 FSL, NCT 1320 FWL
LAST PERF (26-19N-2E) NCT 165 FNL, NCT 1320 FWL
NO OP. NAMED
REC. 3/31/2015 (LEAVITT)

PUBLIC WATER SUPPLY/WELLHEAD
PROTECTION AREA

4/2/2015 - G71 - CINDY COOPER CATERINGS - 1 PWS/WPA, N2 35-19N-2E

SPACING - 622940

4/2/2015 - G76 - (640)(HOR) 35-19N-2E
VAC 219439 MISS, MSNR NE4 NE4 35-19N-2E
EXT 619173 MSSP, MSRH, WDFD
POE TO BHL (MSSP, MSRH) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB

SPACING - 623324

4/2/2015 - G76 - (640)(HOR) 26-19N-2E
EXT 619173 MSSP, MSRH, WDFD
POE TO BHL (MSSP, MSRH) NCT 660' FB
POE TO BHL (WDFD) NCT 330' FB

This permit does not address the right of entry or settlement of surface damages.

119 24338 DUNCAN 35-26-19N-2E 2WH

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APC-119-24358

PAYNE

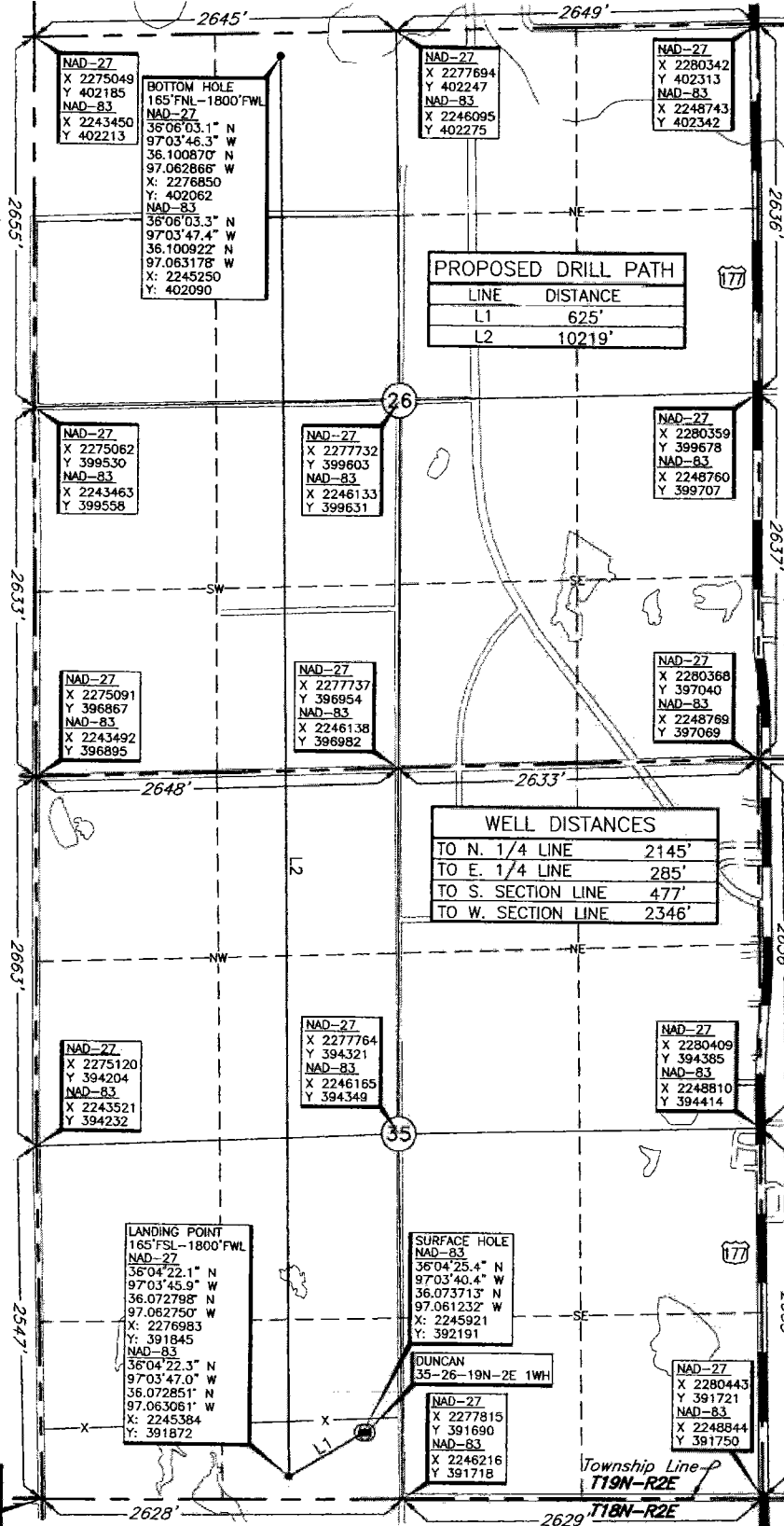
County, Oklahoma

477' FSL-2346' FWL Section 35 Township 19N Range 2E I.M.



LANDING POINT, BOTTOM HOLE AND DRILL PATH
NOT SURVEYED.
FOR CONSTRUCTION PURPOSES ONLY.

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY.



Operator: AMERICAN ENERGY - WOODFORD, LLC
Lease Name: DUNCAN 35-26-19N-2E
Topography & Vegetation: Loc. fell in pasture, ± 146' North of pump jack
Good Drill Site? Yes
Best Accessibility to Location: From East off county road
Distance & Direction: From the junction of US Hwy 177 & St. Hwy 51 in Stillwater, Oklahoma, go ± 3 miles South on US Hwy 177, then ± 0.5 miles West to the South Quarter Corner of Section 35, T19N-R2E.
Reference Stakes or Alternate Location: Stakes Set None
Well No.: 2WH
ELEVATION: 998 Gr. at Stake

DATE: 3/31/15
TIME: 1:00 PM
BY: T. L. Howell
CHECKED: T. L. Howell
DATE: 3/31/15

DATUM: NAD-27
LAT: 36°04'25.2" N
LONG: 97°03'39.3" W
LAT: 36.073660° N
LONG: 97.060921° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2277520
Y: 392163

Invoice # 241779A Date of Drawing: March 31, 2015
Date Staked: Mar. 17, 2015 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 Lic. No. 1433

