

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

API NUMBER: 119 24337

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: 478 2376

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

Well No: 1WH

Well will be 478 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	4453	6	
2	WOODFORD	4585	7	
3	MISENER-HUNTON	4630	8	
4			9	
5			10	

Spacing Orders: 623324
622940

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500709
201500710
201500707

Special Orders:

Total Depth: 15000

Ground Elevation: 999

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: 15-29763
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 NW NE

Feet From: NORTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 2180

Depth of Deviation: 3830

Radius of Turn: 800

Direction: 5

Total Length: 9913

Measured Total Depth: 15000

True Vertical Depth: 4630

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

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 - 201500709

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 - 201500710

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 FEL
LAST PERF (35-19N-2E) NCT 0 FNL, NCT 1320 FEL
1ST PERF (26-19N-2E) NCT 0 FSL, NCT 1320 FEL
LAST PERF (26-19N-2E) NCT 165 FNL, NCT 1320 FEL
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 24337 DUNCAN 35-26-19N-2E 1WH

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.

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.

APD-119-24337

PAYNE

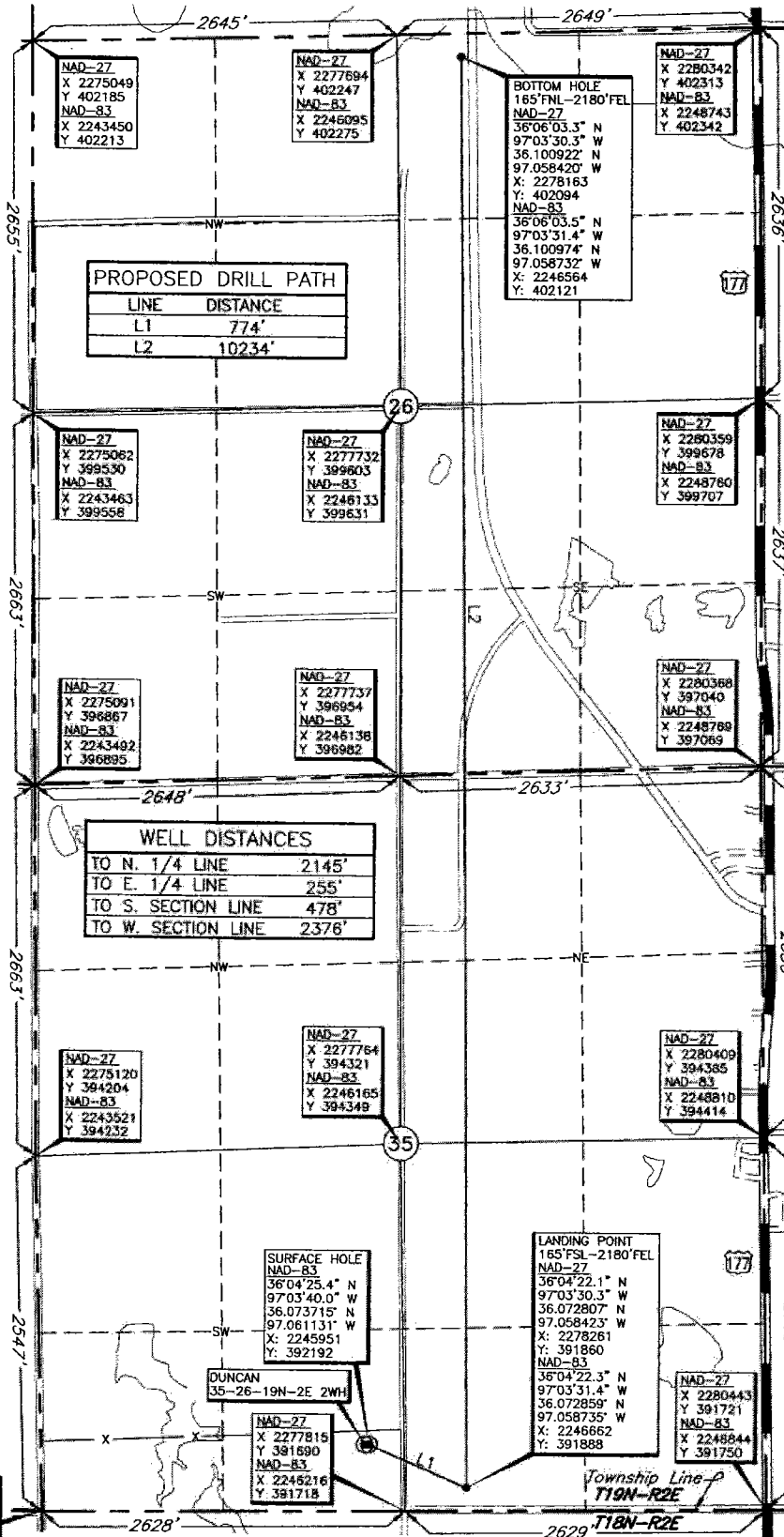
County, Oklahoma

478' FSL-2376' FWL Section 35 Township 19N Range 2E I.M.



LANDING POINT, BOTTOM HOLE AND DRAIN PATH INFORMATION PROVIDED BY OPERATOR LISTED.

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, ± 155' 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.: 1WH
ELEVATION: 999' Gr. at Stake

DATUM: NAD-27
LAT: 36°04'25.2" N
LONG: 97°03'38.9" W
LAT: 36.073663° N
LONG: 97.060819° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2277550
Y: 392165

Invoice # 241779 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

