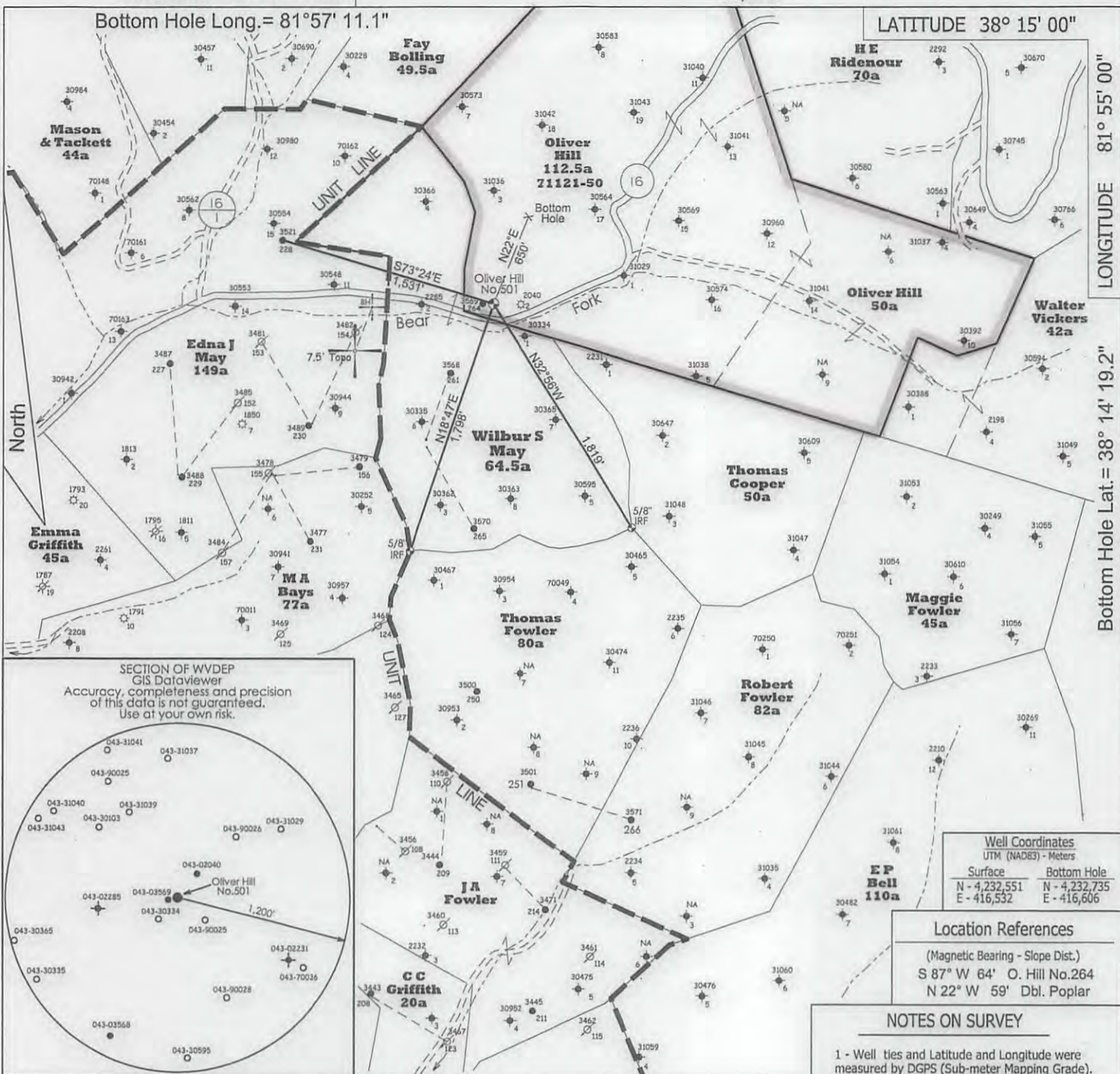


Longitude = 81°57' 14.06"

10,695'

Bottom Hole Long. = 81°57' 11.1"

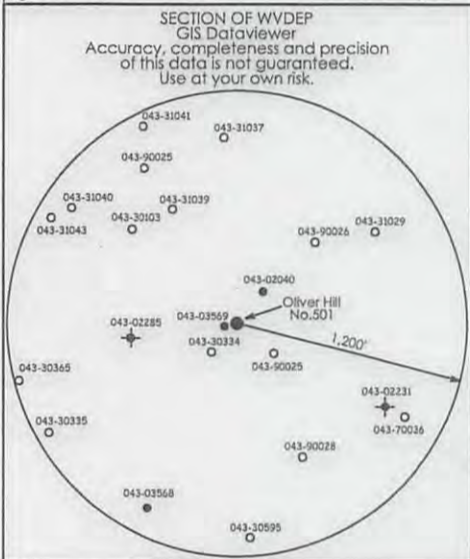
LATITUDE 38° 15' 00"



LONGITUDE 81° 55' 00"

Bottom Hole Lat. = 38° 14' 19.2"

Latitude = 38° 14' 13.17"



Well Coordinates	
UTM (NAD83) - Meters	
Surface	Bottom Hole
N - 4,232,551	N - 4,232,735
E - 416,532	E - 416,606

Location References
 (Magnetic Bearing - Slope Dist.)
 S 87° W 64' O. Hill No. 264
 N 22° W 59' Dbl. Poplar

NOTES ON SURVEY

- 1 - Well ties and Latitude and Longitude were measured by DGPS (Sub-meter Mapping Grade). Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1927).
- 2 - Surface owner information obtained from the Lincoln County Assessor's tax records.

- ◆ - DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.
- ⊕ - DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.


FILE NO. _____

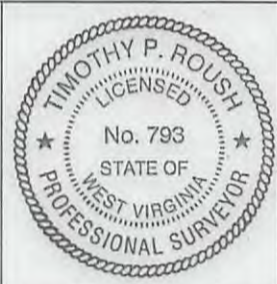
SCALE **1" = 1000'**

MINIMUM DEGREE OF ACCURACY **Sub-Meter**

PROVEN SOURCE OF ELEVATION **DGPS Survey**
(Sub-Meter Mapping Grade)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED)  **TIMOTHY P. ROUSH PS 793**



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25301



DATE **October 31, 2017**

FARM **Oliver Hill No. 501**

API WELL NO. **47 - 043 - 03575S**

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION **721'** WATERSHED **Bear Fork**
 DISTRICT **Duval** COUNTY **Lincoln**
 QUADRANGLE **Griffithsville 7.5'**

SURFACE OWNER **D. Arthur Raybourn & Marjorie Raybourn (L.E.)** ACREAGE **161 Ac.**
 OIL & GAS ROYALTY OWNER **D. Arthur Raybourn et al.** LEASE ACREAGE **253 Ac.** **02/09/2018**
 LEASE NO. **71121-50**

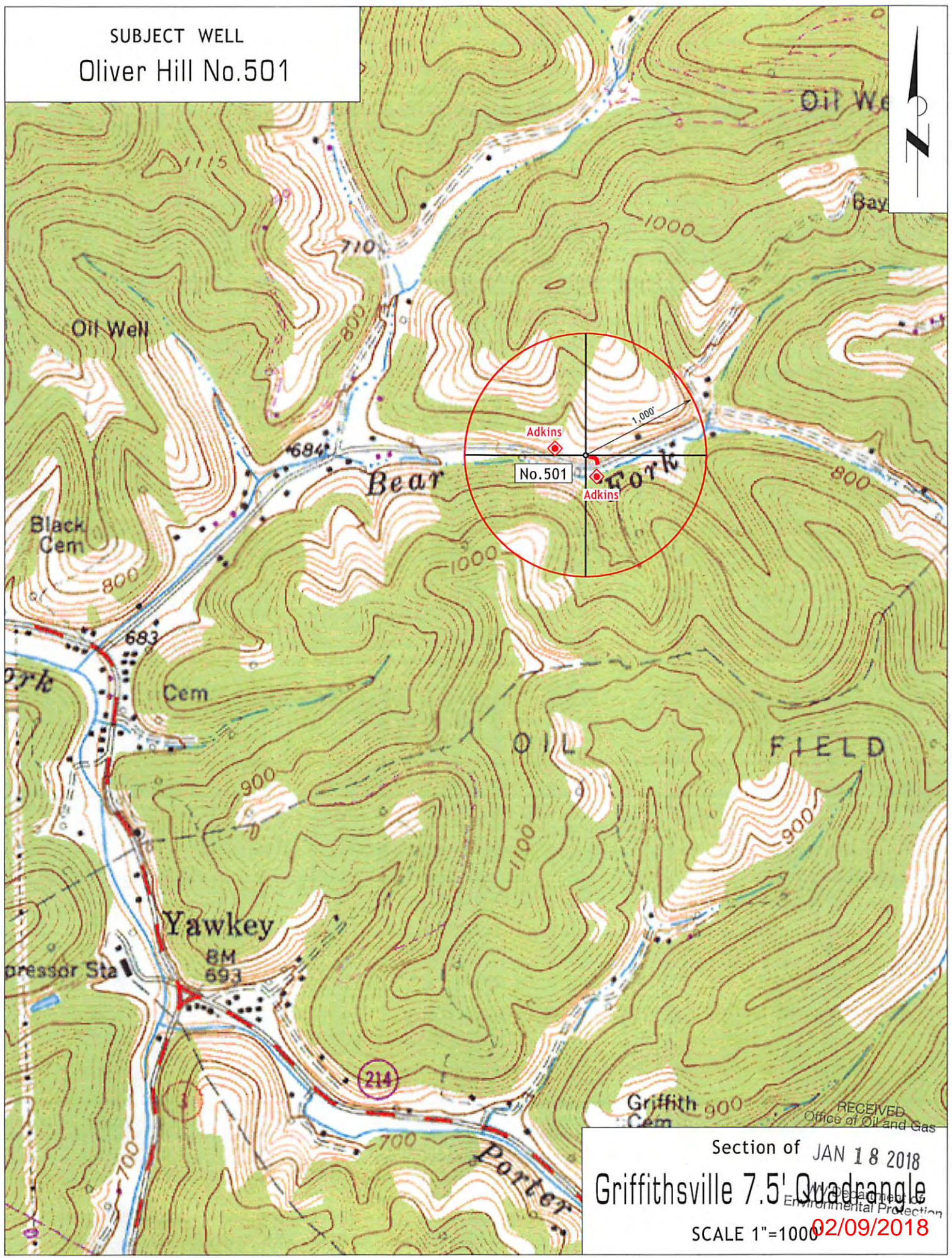
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) NOTE: This well will be drilled directionally as shown on the plat above.

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION **Berea** ESTIMATED DEPTH **TMD - 2,480'**

WELL OPERATOR **HG Energy LLC.** DESIGNATED AGENT **Diane White**
 ADDRESS **5260 DuPont Road** ADDRESS **5260 DuPont Road**
Parkersburg, WV 26101 **Parkersburg, WV 26101**

FORM IV-6

SUBJECT WELL
Oliver Hill No.501



Section of JAN 18 2018
Griffithsville 7.5' Quadrangle
SCALE 1"=1000'
RECEIVED
Office of Oil and Gas
Environmental Protection
02/09/2018