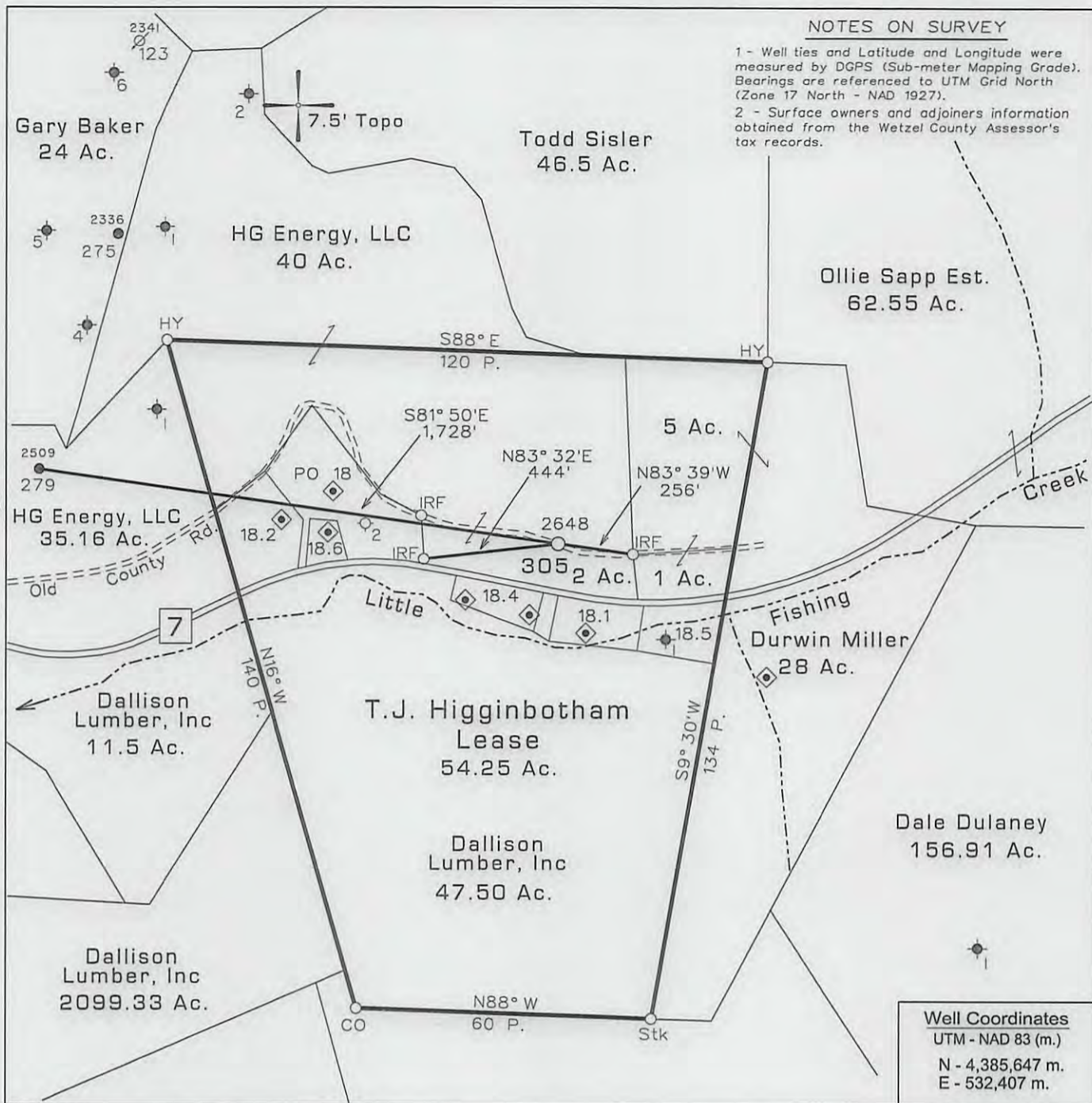


NOTES ON SURVEY

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 owners and adjoiners information obtained from the Wetzel County Assessor's tax records.



Well Coordinates  
UTM - NAD 83 (m.)  
N - 4,385,647 m.  
E - 532,407 m.

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

FILE NO. 1047-03  
MAP NO. N S E W  
SCALE 1" = 500'  
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 MINES.  
(SIGNED) *Timothy P. Roush*  
TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
Division of Environmental Protection  
Office of Oil and Gas  
601 57th Street  
Charleston, West Virginia 25304



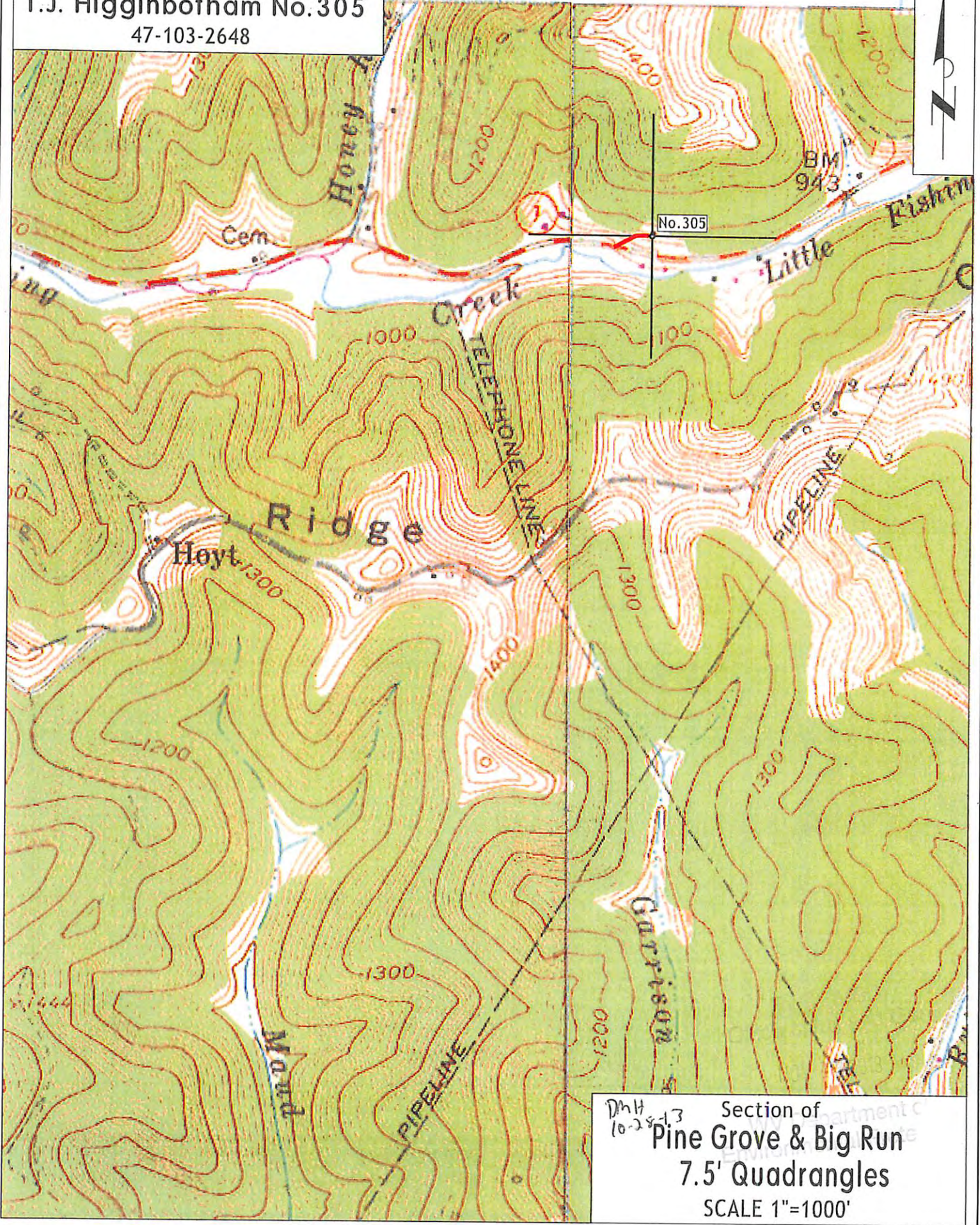
DATE October 21, 2013  
FARM T.J. Higginbotham No.305  
API WELL NO. 47-103-02648 S

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION X WASTE DISPOSAL \_\_\_ HORIZONTAL \_\_\_  
(IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_ CBM \_\_\_  
LOCATION: ELEVATION 977' WATERSHED Little Fishing Creek  
DISTRICT Center COUNTY Wetzel  
QUADRANGLE Big Run 7.5'  
SURFACE OWNER HG Energy, LLC ACREAGE 20 Ac.  
OIL & GAS ROYALTY OWNER Joe Jolliffe et al. LEASE ACREAGE 54.25 Ac.  
LEASE NO. 107605-00  
PROPOSED WORK: DRILL \_\_\_ CONVERT X DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Convert to Liquid Injection  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Gordon ESTIMATED DEPTH 3,110'  
WELL OPERATOR HG Energy, LLC DESIGNATED AGENT Mike Kirsch  
ADDRESS 5260 Dupont Road ADDRESS 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

12/06/2013

SUBJECT WELL  
T.J. Higginbotham No.305  
47-103-2648

32 80° 37' 30"



DH 10-28-13 Section of Pine Grove & Big Run  
7.5' Quadrangles  
SCALE 1"=1000'