

FILE NO: 156-10-P-10  
 DRAWING NO: 156-10 PHL13FHS Well Plat  
 SCALE: 1" = 1200'  
 MINIMUM DEGREE OF ACCURACY:  
 Submeter  
 PROVEN SOURCE OF ELEVATION:  
 WVDOT, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: December 3 2012  
 OPERATOR'S WELL NO. PHL13FHS  
 API WELL NO  
 47 - 001 **3239H6A**  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1520' WATERSHED Tygart Valley River QUADRANGLE: Phillippi  
 DISTRICT: Pleasant COUNTY: Barbour  
 SURFACE OWNER: Randall McCauley Michael P. Mitchell; Charles M. & Rosemary Bowma h/w  
 OIL AND GAS ROYALTY OWNER: Gary McCauley, et al; Pilatine Resources; Pristine Resources L210659/001; 73120  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,820' TVD, 20,000 TMD  
 WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Kent Wright  
 ADDRESS: P.O. Box 1248 Jane Lew, WV 26378 ADDRESS: P.O. Box 1248 Jane Lew, WV 26378

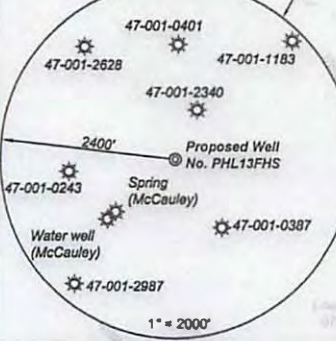
*I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.*

*Kenneth J. Plum*  
**Kenneth J. Plum, P.S. 2216**

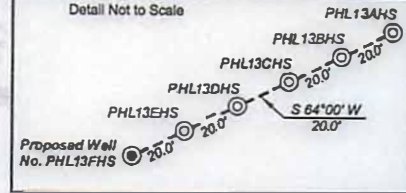


Bearing	Distance
L1 S 27°06' W	822.1'
L2 N 85°59' E	1374.7'
L3 N 39°30' W	709.6'
L4 S 83°10' E	598.3'
L5 S 54°12' W	1140.9'
L6 S 05°08' W	953.2'

Note: There appears to be one (1) water well and one (1) spring within 2000', one (1) water well within 2500', and no deep wells within 3000' of proposed well



**Notes:**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. PHL13FHS Top Hole coordinates are N: 261,686.84 Latitude: 39°13'02.45" E: 1,854,721.44 Longitude: 80°00'45.91"  
 Landing #1 coordinates are N: 261,019.56 Lat: 39°12'55.80" E: 1,853,796.02 Long: 80°00'57.61"  
 Landing #2 coordinates are N: 260,070.15 Lat: 39°12'48.41" E: 1,853,710.66 Long: 80°00'58.83"  
 Bottom Hole coordinates are N: 298,638.06 Latitude: 39°11'33.21" E: 1,858,303.87 Longitude: 79°59'59.75"  
 UTM Zone 17, NAD 1983  
 Top Hole Coord: N: 4,341,371.374m E: 585,243.266m  
 Landing #1 Coord: N: 4,341,163.384m E: 584,964.691m  
 Landing #2 Coord: N: 4,340,873.693m E: 584,943.489m  
 Bottom Hole Coord: N: 4,338,632.614m E: 586,380.533m  
 Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



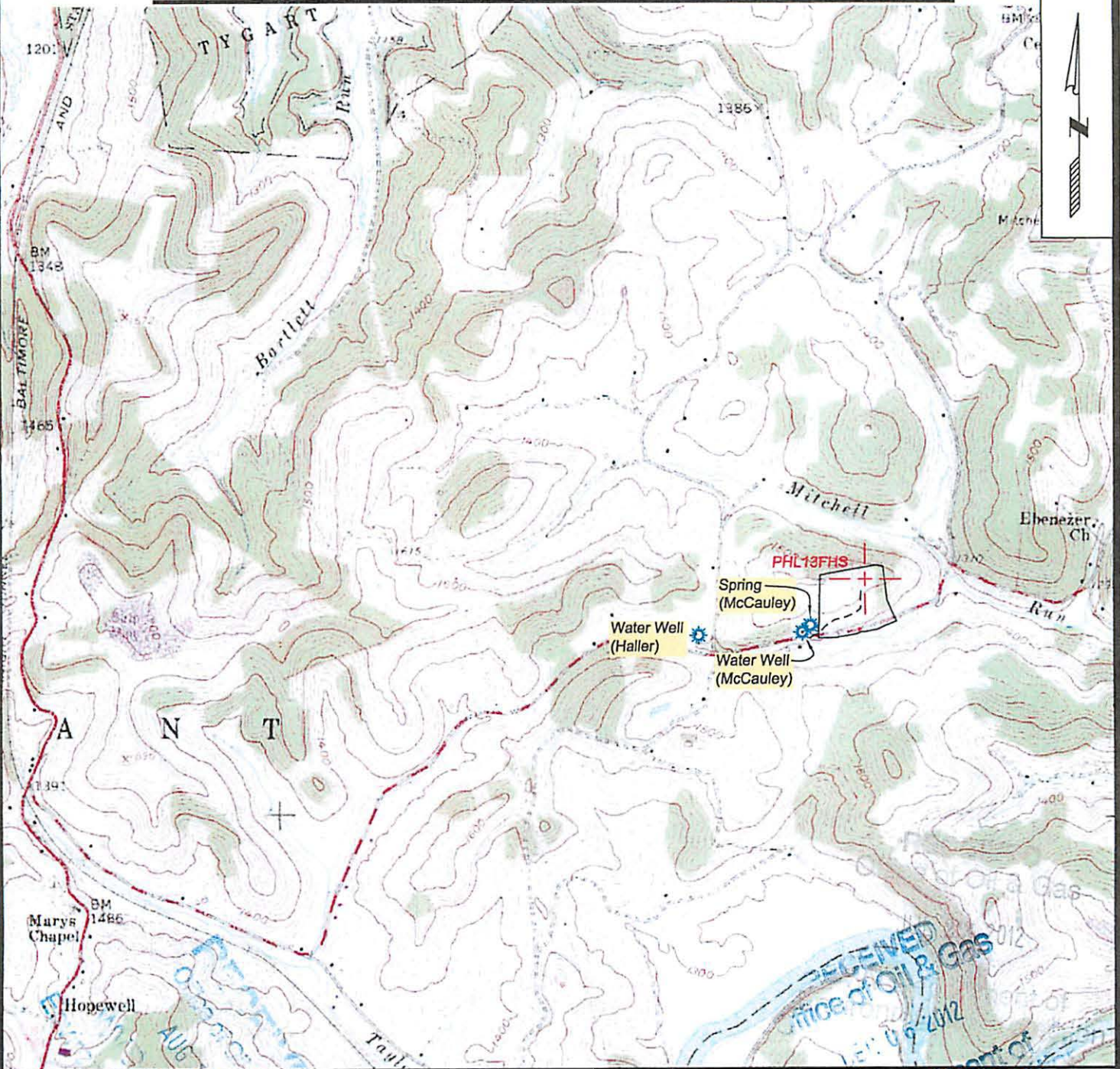


Topo Quad: Philippi 7.5'  
County: Barbour  
District: Pleasant

Scale: 1" = 2000'  
Date: June 28, 2012  
Project No: 156-10-P-10

**Water**

**PROPOSED CNX Gas Company LLC WELL NO. PHL13FHS**



**ALLEGHENY SURVEYS, INC.**

P.O. BOX 438  
BIRCH RIVER, WV 26610  
PH: (304) 649-8606  
FAX: (304) 649-8608

1-800-482-8606

172 THOMPSON DRIVE  
BRIDGEPORT, WV 26330  
PH: (304) 848-5035  
FAX: (304) 848-5037

PREPARED FOR:

**CNX Gas Company LLC**

ONE ENERGY DRIVE  
P.O. BOX 1248  
JANE LEW, WV 26378

05/10/2013