



**Notes:**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. PHL13BHS Top Hole coordinates are N: 281,721.91 Latitude: 39°13'02.80" E: 1,854,793.34 Longitude: 80°00'44.89"  
 Landing #1 coordinates are N: 281,422.41 Lat: 39°12'59.91" E: 1,856,157.71 Long: 80°00'27.64"  
 Landing #2 coordinates are N: 281,100.81 Lat: 39°12'58.76" E: 1,856,908.40 Long: 80°00'21.89"  
 Bottom Hole coordinates are N: 254,403.66 Latitude: 39°11'50.79" E: 1,880,749.43 Longitude: 79°59'28.81"  
 UTM Zone 17, NAD 1983  
 Top Hole Coord: N: 4,341,392.42m E: 685,264.996m  
 Landing #1 Coord: N: 281,296.00m E: 1,856,821.142m  
 Landing #2 Coord: N: 281,262.366m E: 1,857,118.714m  
 Btm Hole Coord: N: 4,339,162.937m E: 697,118.714m  
 Plat orientation and corner and well reference are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



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

FILE NO: 156-10-P-10  
 DRAWING NO: 156-10 PHL13BHS Well Plat  
 SCALE: 1" = 1200'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDT, Bridgeport, WV

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

DATE: December 4 2012  
 OPERATOR'S WELL NO. PH13BHS  
 API WELL NO 322146A  
 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: Phillip DISTRICT: Pleasant COUNTY: Barbour  
 SURFACE OWNER: Randall McCauley Junior L. Morrell: The Daywood Foundation 071053; 70843 ACREAGE: 20 170: 148  
 Peggy Chester Sifers, et al; Ralph Plum, et al DV014671; DV-22 200: 63: 24  
 OIL AND GAS ROYALTY OWNER: Gary McCauley, et al; Roger Scott Mitchell; Pristine Resources LEASE NO: 70667; 70841; 70844 ACREAGE: 82: 85: 1  
 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 18,800' TMD

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Kent Wright  
 ADDRESS: P.O. Box 1248 ADDRESS: P.O. Box 1248  
 Jane Low, WV 26378 Jane Low, WV 26378