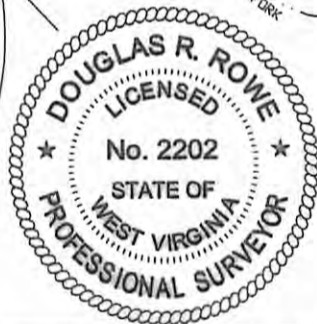
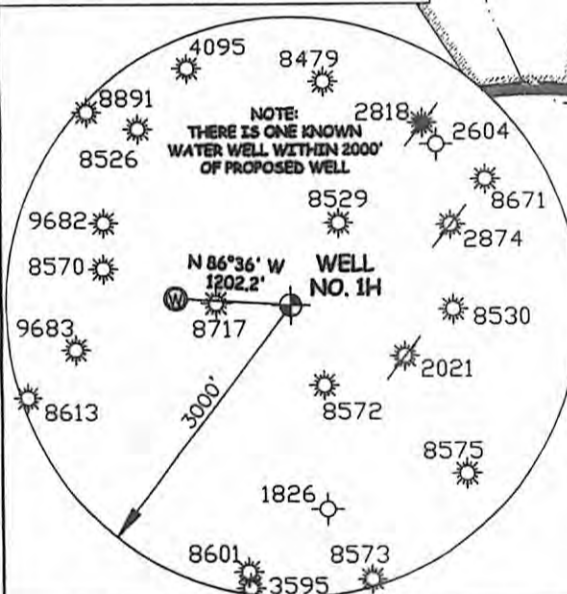
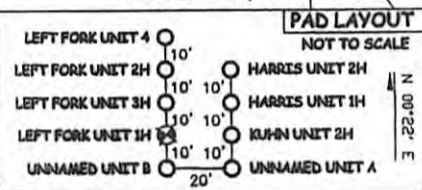
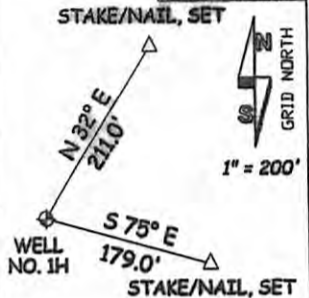


NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 254,331ft E: 1,595,213ft
 LAT: 39°11'22.04" LON: 80°55'41.35"
BOTTOM HOLE INFORMATION:
 N: 260,225ft E: 1,590,473ft
 LAT: 39°12'19.54" LON: 80°56'42.75"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,337,813m E: 506,219m
BOTTOM HOLE INFORMATION:
 N: 4,339,584m E: 504,745m

REFERENCES



JOB # **12-045**
 DRAWING # **LEFTFORKUNIT#1HR1**
 SCALE **1" = 1000'**

MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION **1,022'** WATERSHED **LEFT FORK**

QUADRANGLE **PULLMAN 7.5'** DISTRICT **UNION** COUNTY **RITCHIE**

SURFACE OWNER **O'NEILL FAMILY TRUST ET AL** ACREAGE **300.45 ACRES +/-**

OIL & GAS ROYALTY OWNER **O'NEILL FAMILY TRUST ET AL;** LEASE ACREAGE **517.83 ACRES+;**
W. G. BURGAN ET AL; CLIFTON G. VALENTINE ET AL; JOHN CAMPBELL; W.M. DRUMMOND ET UX **126.23 ACRES+; 80.1 ACRES+; 88 ACRES+; 58 ACRES+;**

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) **Bill - Permit Modification** PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,700' TVD 14,800' MD**

WELL OPERATOR **ANTERO RESOURCES APPALACHIAN CORP.** DESIGNATED AGENT **DIANNA STAMPER**
 ADDRESS **1625 17TH STREET** ADDRESS **5400 D BIG TYLER ROAD**
DENVER, CO 80202 **CHARLESTON, WV 25313**



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

LEGEND
 --- Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

DATE **04/29/13**

OPERATOR'S WELL# **LEFT FORK UNIT #1H**

API WELL # **47 - 085 - 09985 H6A**

STATE **MD** COUNTY **PERMIT**

CANCELLED