

14,628' to Bottom Hole

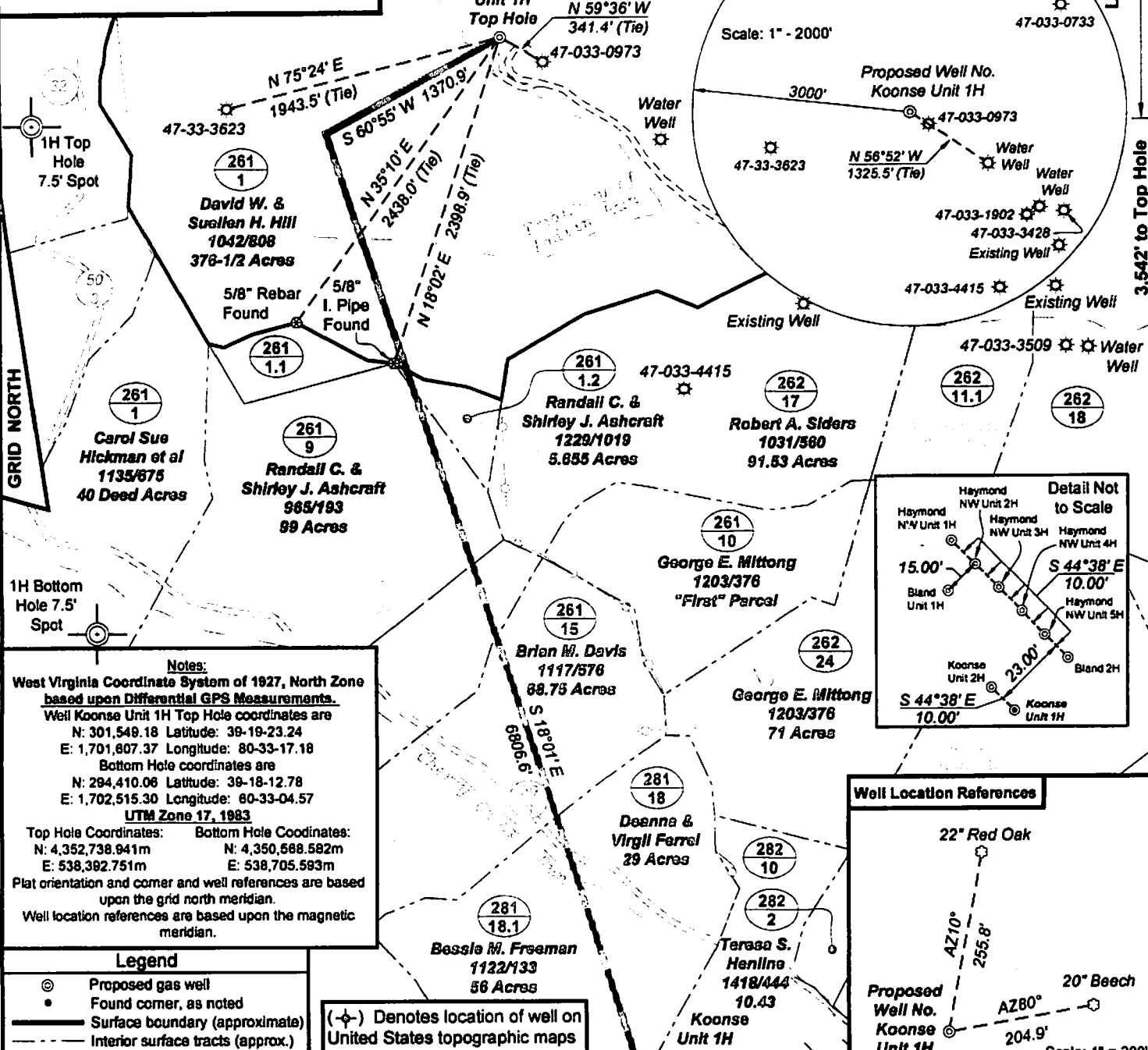
15,536' to Top Hole

LATITUDE 39 - 20 - 00

LONGITUDE 80 - 30 - 00

**Antero Resources**  
**Well No. Koonse Unit 1H**  
**Antero Resources Appalachian Corporation**

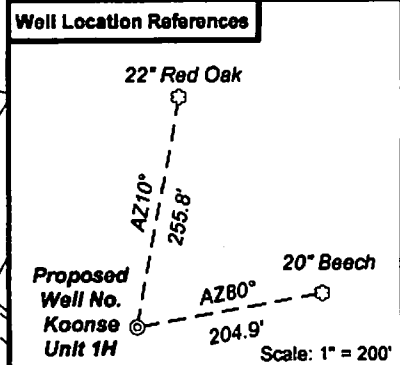
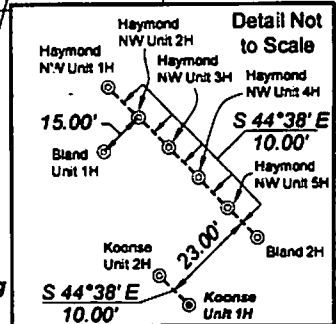
Note: There appears to be 1 water well located within 2,000'.



**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well Koonse Unit 1H Top Hole coordinates are  
N: 301,549.18 Latitude: 39-18-23.24  
E: 1,701,807.37 Longitude: 80-33-17.18  
Bottom Hole coordinates are  
N: 294,410.06 Latitude: 39-18-12.78  
E: 1,702,515.30 Longitude: 80-33-04.57  
UTM Zone 17, 1983  
Top Hole Coordinates: Bottom Hole Coordinates:  
N: 4,352,738.941m N: 4,350,588.582m  
E: 538,382.751m E: 538,705.593m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

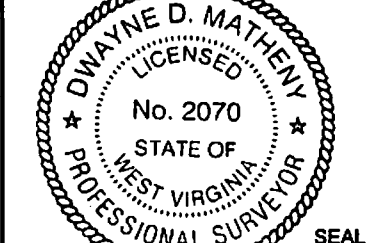
**Legend**  
 ⊙ Proposed gas well  
 • Found corner, as noted  
 — Surface boundary (approximate)  
 - - - Interior surface tracts (approx.)  
 - - - Unit Boundary

(⊙) Denotes location of well on United States topographic maps



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.

*Dwayne D. Matheny*  
Dwayne D. Matheny, P.S. 2070



FILE NO: 21-36-TM-10  
DRAWING NO: 21-10 Koonse  
SCALE: 1" = 1000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: CORS Glenville, WV

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

DATE: February 27, 2012  
OPERATOR'S WELL NO. Koonse Unit 1H  
API WELL NO.:  
STATE: 47 COUNTY: 033 PERMIT: 5674

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1,150' WATERSHED: Tributary of Indian Run  
QUADRANGLE: Salem DISTRICT: Tenmile COUNTY: Harrison  
SURFACE OWNER: David W. and Suellen H. Hill ACREAGE: 376.5  
OIL AND GAS ROYALTY OWNER: Raymond, Randal C. & Shirley J. Ashcraft, Jesse D. & Nancy Law, Mabel Rose Koonse and Nancy Laco LEASE NO: 000722, 3198, 46636, 205, 206 ACREAGE: 113.99, 85.5  
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: 7,475' TVD 16,000' MD

WELL OPERATOR: Antero Resources Appalachian Corporation DESIGNATED AGENT: Diana Stamper - CT Corporation System  
ADDRESS: 1625 17th Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313