

LATITUDE 39°15'00" TO BOTTOM HOLE

LATITUDE 39°15'00"

LONGITUDE 80°50'00"

4,801'

LONGITUDE 80°52'30"

13,883' TO BOTTOM HOLE

Antero Resources Corporation Well No. Cool Unit 1H

LINE	BEARING	DISTANCE
L1	S 77°30'E	1375.61'
L2	S 76°33'E	1804.51'
L3	S 75°04'E	1554.60'
L4	S 65°46'E	1596.34'
L5	S 61°01'E	1381.04'
L6	S 63°52'E	1636.75'
L7	S 60°31'E	1513.41'
L8	S 56°06'E	1345.06'
L9	S 51°10'E	1175.61'
L10	S 48°41'E	1080.76'
L11	S 44°24'E	1202.06'
L12	S 41°37'E	1125.94'
L13	S 32°54'E	947.63'
L14	S 26° F	1151.29'
L15	S 17°06'E	1113.08'
L16	S 08°23'E	1118.22'
L17	S 01°58'W	1414.85'
L18	S 05°17'W	1426.29'
L19	S 23°05'W	1806.45'
L20	S 42°21'W	1298.64'
L21	S 67°20'W	1416.97'
L22	S 73°44'W	1423.05'

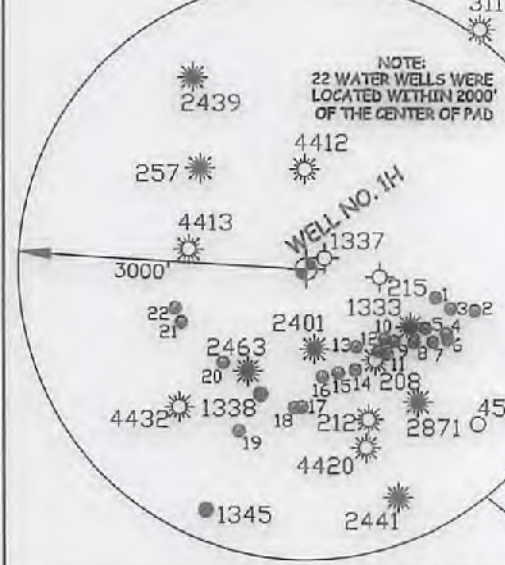
A - STANLEY WEBB SR. D. 8276. 202 TAL. 12 PAR. 02.2 423 AC. 2  
 B - STANLEY WEBB SR. D. 8276. 202 TAL. 12 PAR. 02.2 423 AC. 2  
 C - STANLEY WEBB SR. D. 8276. 202 TAL. 12 PAR. 02.2 423 AC. 2  
 D - STANLEY WEBB SR. D. 8276. 202 TAL. 12 PAR. 02.2 423 AC. 2  
 E - ROBERTY HARRIS ET AL. D. 8. 24 PAR. 02.2 TAL. 12 PAR. 02.2 423 AC. 2  
 F - EDWARD WEBB ET AL. D. 8. 24 PAR. 02.2 TAL. 12 PAR. 02.2 423 AC. 2  
 G - DANIEL S. WOODS ET AL. D. 8. 24 PAR. 02.2 TAL. 12 PAR. 02.2 423 AC. 2  
 H - ZAMIR S. WEBB D. 8. 2776. 405 TAL. 12 PAR. 02.2 423 AC. 2

NOTES:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 271,365ft E: 1,609,229ft  
 LAT: 39°14'12.55" LON: 80°52'46.68"  
 BOTTOM HOLE INFORMATION:  
 N: 262,241ft E: 1,611,916ft  
 LAT: 39°12'42.78" LON: 80°52'10.77"  
 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.

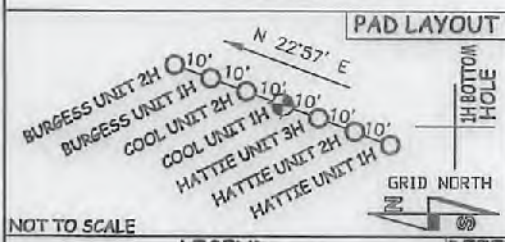
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 4,343,073m E: 510,403m  
 BOTTOM HOLE INFORMATION:  
 N: 4,340,307m E: 511,266m



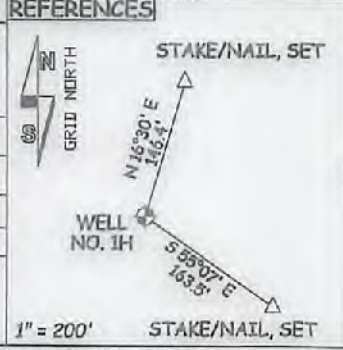
(NAD) 27 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 14,248,186ft E: 1,674,499ft  
 POINT OF ENTRY INFORMATION:  
 N: 14,247,673ft E: 1,673,649ft  
 BOTTOM HOLE INFORMATION:  
 N: 14,239,111ft E: 1,677,336ft



NOTE:  
 22 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD



THOMAS SUMMERS P.S. 2109  
 DATE 04/24/18  
 OPERATOR'S WELL# COOL UNIT #1H  
 API WELL # 47 - 017 - 06833  
 STATE COUNTY PERMIT



JOB # 14-068VWA  
 DRAWING # COOL1HR6  
 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 X LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
 LOCATION: ELEVATION 1,095' AS BUILT WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE PULLMAN 7.5 (TOP HOLE) OXFORD 7.5 (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODD  
 SURFACE OWNER STANLEY WEBB ET AL ACREAGE 59.18 ACRES +/-  
 OIL & GAS ROYALTY OWNERS HAROLD BURGESS ET UX; HAROLD BURGESS ET UX; GUSSIE LEGGETT; SUE ELLEN ABERNATHY; S. BYRL ROSS ET UX; RUSSELL GRAY ET AL LEASE ACREAGE 75 ACRES+; 43.5 ACRES+; 29 ACRES+; 169 ACRES+; 65 ACRES+; 195 ACRES+; 225 ACRES+  
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X  
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 17,800' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

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 RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

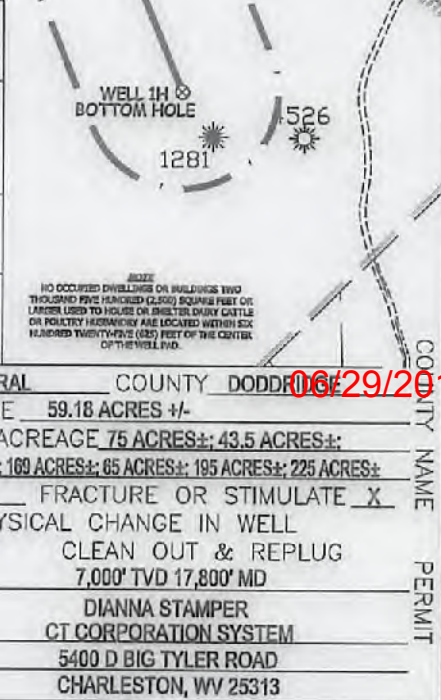
WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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

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06/29/2018