

LATITUDE 39°15'00" -1,312'

LATITUDE 39°15'00"

LONGITUDE 80°50'00"

4,801'

LONGITUDE 80°52'30"

14,842' TO BOTTOM HOLE

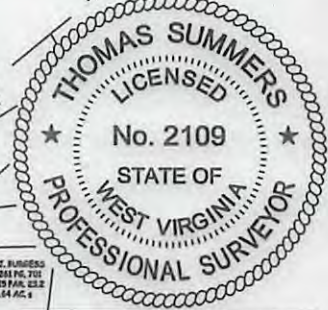
Antero Resources Corporation Well No. Cool Unit 1H

LINE	BEARING	DISTANCE
L1	S 77°58' E	1375.64'
L2	S 76°33' E	1804.51'
L3	S 78°04' E	1554.60'
L4	S 65°46' E	1596.34'
L5	S 84°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 42°24' E	1202.08'
L12	S 41°37' E	1125.94'
L13	S 32°54' E	947.63'
L14	S 26° E	1151.29'
L15	S 17°06' E	1113.08'
L16	S 08°23' E	1115.22'
L17	S 01°58' W	1414.85'
L18	S 05°17' W	1426.29'
L19	S 23°05' W	1805.45'
L20	S 42°21' W	1298.64'
L21	S 67°20' W	1416.97'
L22	S 73°44' W	1425.05'

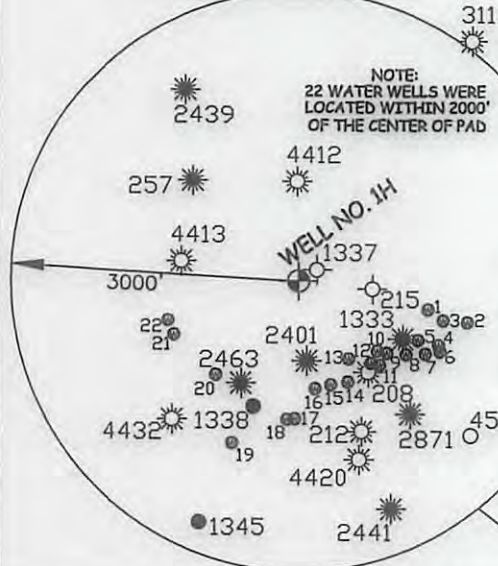
- A - STANLEY WEBB D.R. 152 PG. 353 T.A.L. 15 PAR. 02.2 075 AC.
- B - STANLEY WEBB D.R. 152 PG. 352 T.A.L. 15 PAR. 02.2 405 AC.
- C - BRIAN WEBB D.R. 152 PG. 357 T.A.L. 15 PAR. 02.7 231 AC.
- D - BRIAN WEBB D.R. 152 PG. 357 T.A.L. 15 PAR. 02.4 587 AC.
- E - ROBERT HARRIS ET AL. D.R. 249 PG. 404 T.A.L. 15 PAR. 02.2 1 AC.
- F - EDWARD WEBB ET AL. D.R. 253 PG. 145 T.A.L. 15 PAR. 02.5 134 AC.
- G - DORLENE S. WENDLER ET AL. D.R. 254 PG. 240 T.A.L. 15 PAR. 02.2 033 AC.
- H - JAMES E. WEBB D.R. 273 PG. 448 T.A.L. 15 PAR. 02.2 026 AC.

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: 261,283ft E: 1,611,884ft  
 LAT: 39°12'33.31" LON: 80°52'10.99"  
 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.

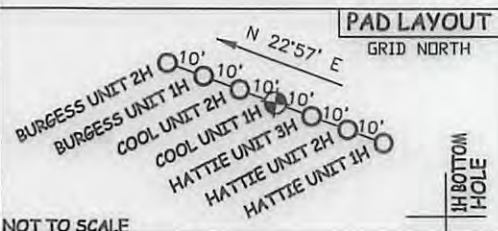
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 4,343,073m E: 510,403m  
 BOTTOM HOLE INFORMATION:  
 N: 4,340,015m E: 511,263m



(NAD) 27 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 14,248,186ft E: 1,674,499ft  
 POINT OF ENTRY INFORMATION:  
 N: 14,247,515ft E: 1,673,291ft  
 BOTTOM HOLE INFORMATION:  
 N: 14,238,152ft E: 1,677,320ft



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



LEGEND

- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- X Existing Fence
- ⊕ Iron Pipe, Found

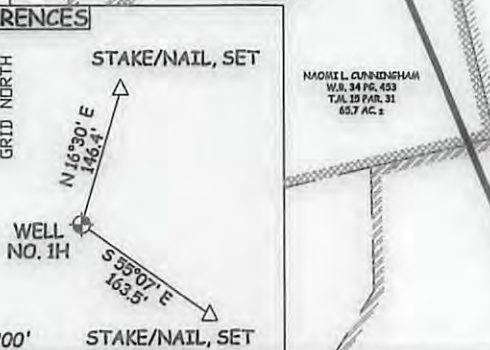
THOMAS SUMMERS P.S. 2109

DATE 03/28/17

OPERATOR'S WELL# COOL UNIT #1H

API WELL # 47 - 017 - 06833

STATE COUNTY PERMIT



JOB # 14-066WA  
 DRAWING # COOL1HR4  
 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 1,108' ORIGINAL - 1,095' PROPOSED WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE PULLMAN 7.5' (TOP HOLE) OXFORD 7.5' (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER STANLEY WEBB ET AL ACREAGE 59.18 ACRES +/-

OIL & GAS ROYALTY OWNER RALPH LEGGETT ET UX; HAROLD BURGESS ET UX; HAROLD BURGESS ET UX; GUSSIE LEGGETT; SUE ELLEN ABERNATHY; S. BYRL ROSS ET UX; NATHAN PRIMM ET UX; JOSEPH E. HAUGHT ET UX; RUSSELL GRAY ET AL. LEASE ACREAGE: 75 ACRES+; 43.5 ACRES+; 29 ACRES+; 169 ACRES+; 65 ACRES+; 195 ACRES+; 37 ACRES+; 66 ACRES+; 225 ACRES+

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,400' TVD 19,000' 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

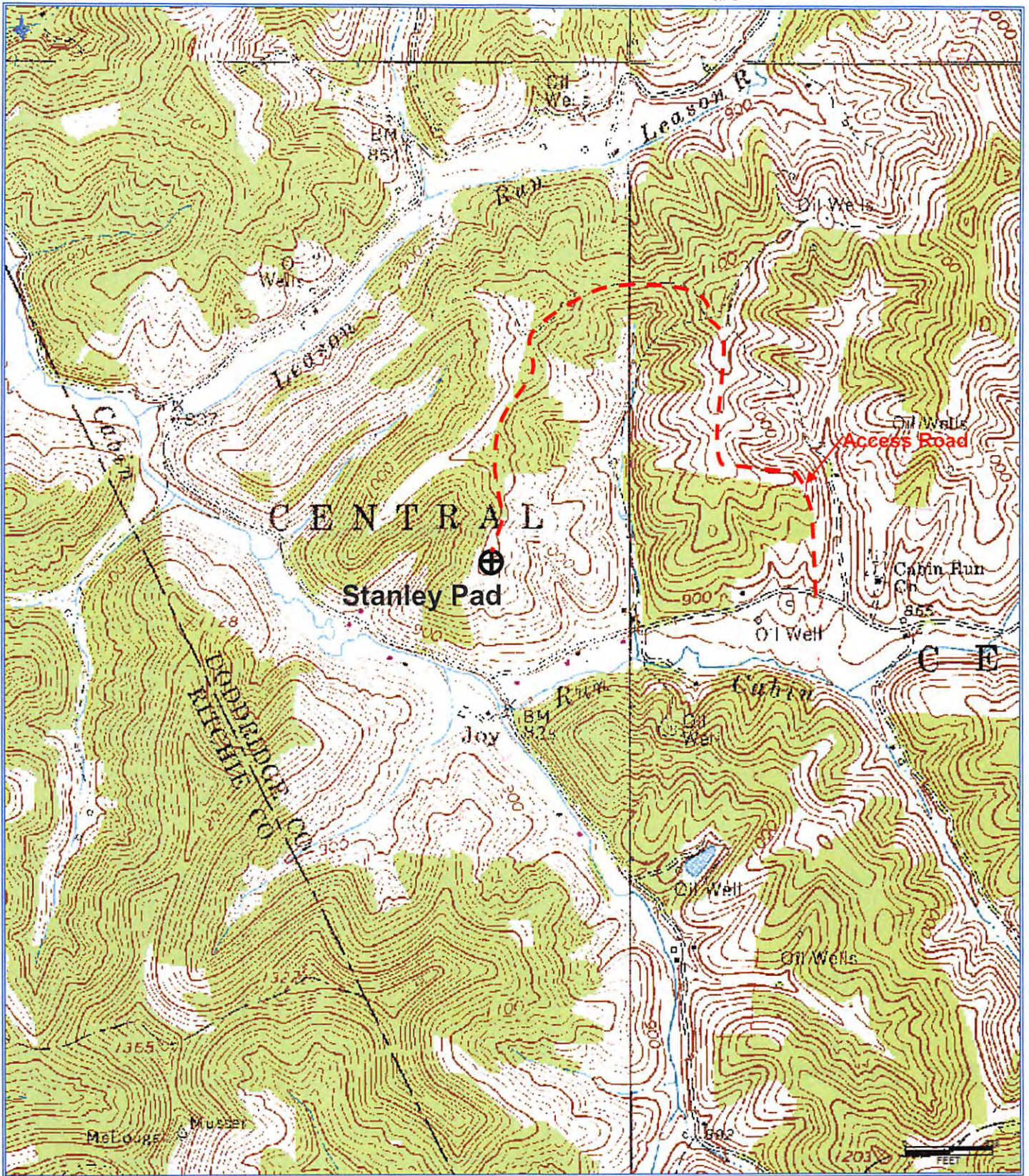


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POLICRY HESPERONY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

07/14/2017

COUNTY NAME PERMIT



**Antero Resources Corporation**  
Appalachian Basin  
Cool Unit 1H  
Doddridge County  
Quadrangle: Pullman 7.5'  
Watershed: North Fork Hughes River  
District: 'Central'  
Date: 3-12-2015

07/14/2017