

LATITUDE 39°15'00" -1,308'

LATITUDE 39°15'00"

LONGITUDE 80°50'00"

4,792'

LONGITUDE 80°52'30"

14,933' TO BOTTOM HOLE

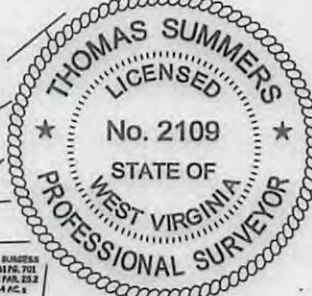
Antero Resources Corporation Well No. Cool Unit 2H

LINE	BEARING	DISTANCE
L1	S 77°58'E	1375.64'
L2	S 76°33'E	1804.51'
L3	S 75°04'E	1554.60'
L4	S 83°46'E	1596.34'
L5	S 64°01'E	1381.04'
L6	S 63°52'E	1636.75'
L7	S 60°31'E	1513.41'
L8	S 58°08'E	1345.06'
L9	S 51°10'E	1175.51'
L10	S 48°41'E	1080.76'
L11	S 44°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	1115.08'
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	1806.45'
L20	S 42°21'W	1298.64'
L21	S 67°20'W	1416.97'
L22	S 73°44'W	1425.05'

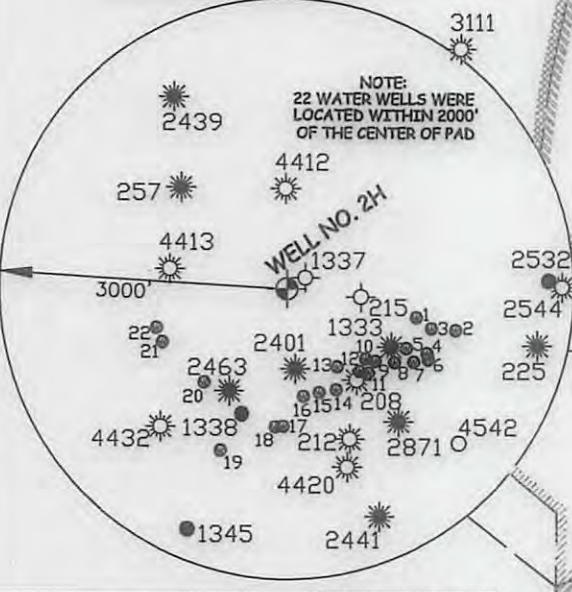
- A - STANLEY WEBB D.B. 252 PG. 303 T.J. 15 PAR. 02.2 0.75 AC.
- B - STANLEY WEBB D.B. 192 PG. 322 T.J. 15 PAR. 02.3 0.75 AC.
- C - STANLEY WEBB D.B. 192 PG. 327 T.J. 15 PAR. 02.7 2.15 AC.
- D - STANLEY WEBB D.B. 192 PG. 327 T.J. 15 PAR. 02.4 0.47 AC.
- E - ROBERT F. HARRIS ET AL. D.B. 249 PG. 454 T.J. 15 PAR. 02.5 1 AC.
- F - EDWARD WEBB ET AL. D.B. 283 PG. 183 T.J. 15 PAR. 02.6 1.84 AC.
- G - DANIEL D. WENZEL ET AL. D.B. 246 PG. 540 T.J. 15 PAR. 02.12 0.13 AC.
- H - JAMES E. WEBB D.B. 273 PG. 448 T.J. 15 PAR. 02.13 0.25 AC.

NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 271,374ft E: 1,609,233ft
 LAT: 39°14'12.64" LON: 80°52'46.63"
 BOTTOM HOLE INFORMATION:
 N: 261,180ft E: 1,612,646ft
 LAT: 39°12'32.40" LON: 80°52'01.30"
 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 2H TOP HOLE INFORMATION:
 N: 4,343,076m E: 510,404m
 BOTTOM HOLE INFORMATION:
 N: 4,339,988m E: 511,495m



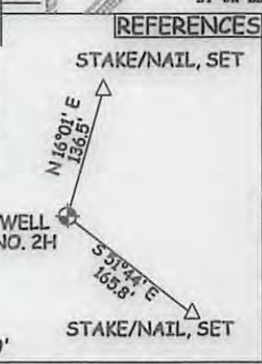
NOTE:
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY IN ANY MANNER ARE LOCATED WITHIN SIX HUNDRED TWENTY FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



LEGEND

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

THOMAS SUMMERS P.S. 2109
 DATE 03/28/17
 OPERATOR'S WELL# COOL UNIT #2H
 API WELL # 47 - 017 - 06834
 STATE COUNTY PERMIT



(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 14,248,195ft E: 1,674,503ft
 POINT OF ENTRY INFORMATION:
 N: 14,247,791ft E: 1,673,896ft
 BOTTOM HOLE INFORMATION:
 N: 14,238,062ft E: 1,678,084ft

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 PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



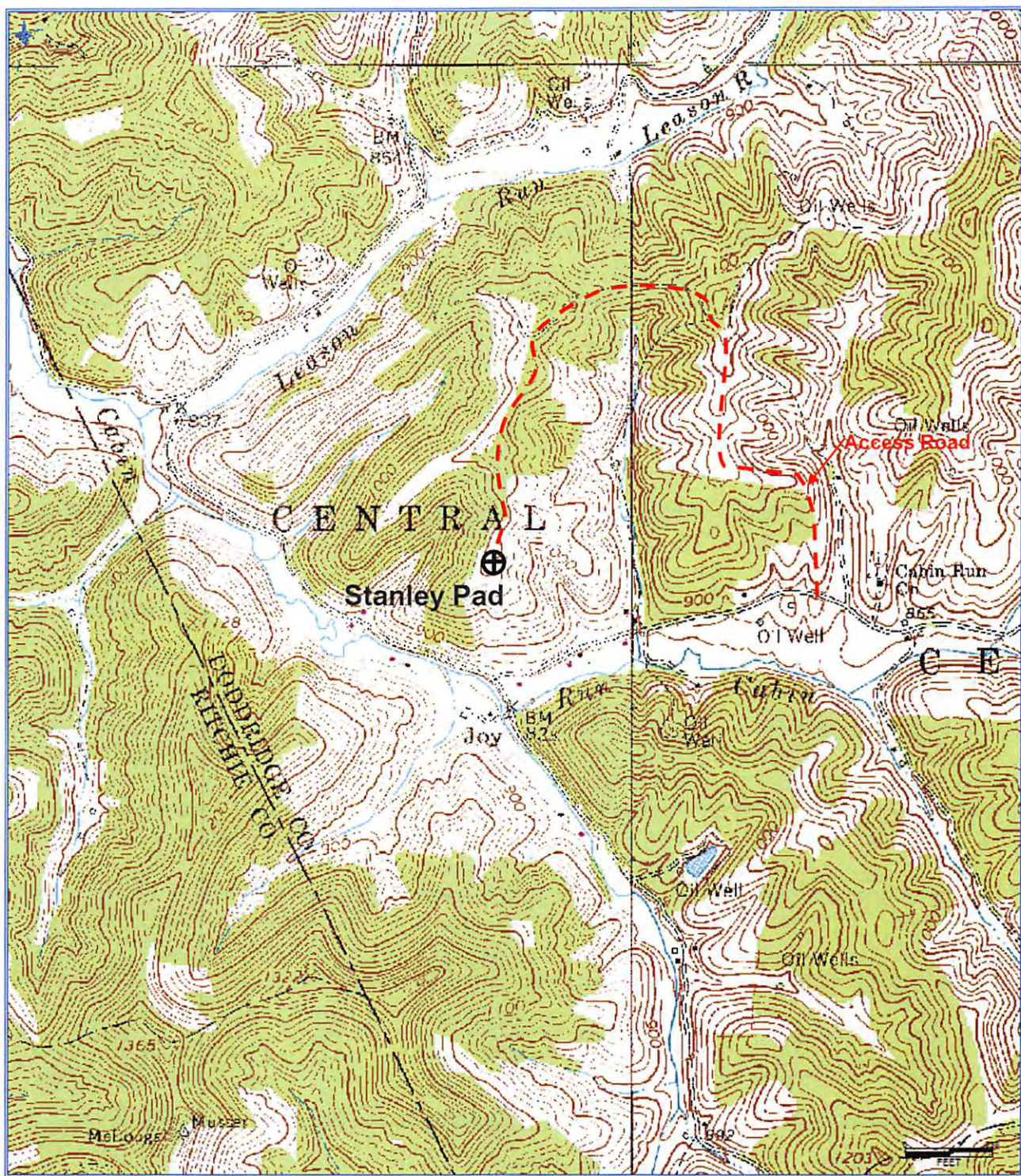
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 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 OWNERS RALPH LEGGETT ET UX; GUSSIE LEGGETT; SUE ELLEN ABERNATHY; S. BYRL ROSS ET UX; RUSSELL GRAY ET AL LEASE ACREAGE 75 ACRES±; 169 ACRES±; 65 ACRES±; 195 ACRES±; 225 ACRES±
 PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 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

07/14/2017



Antero Resources Corporation
Appalachian Basin
Cool Unit 2H
Doddridge County
Quadrangle: Pullman 7.5'
Watershed: North Fork Hughes River
District: Central
Date: 3-12-2015

RECEIVED
Office of Oil and Gas

APR 11 2017

WV Department of
Environmental Protection
07/14/2017