

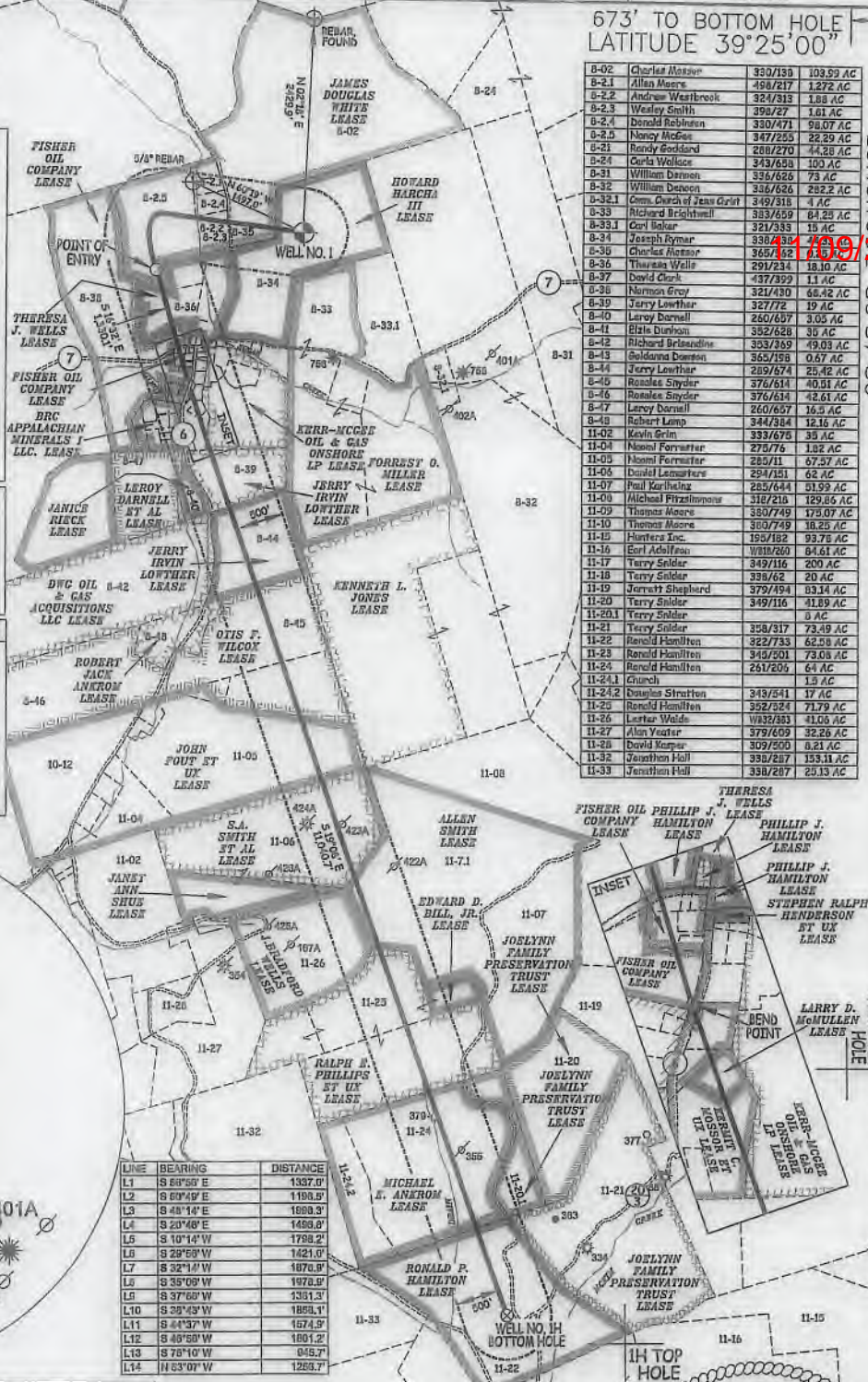
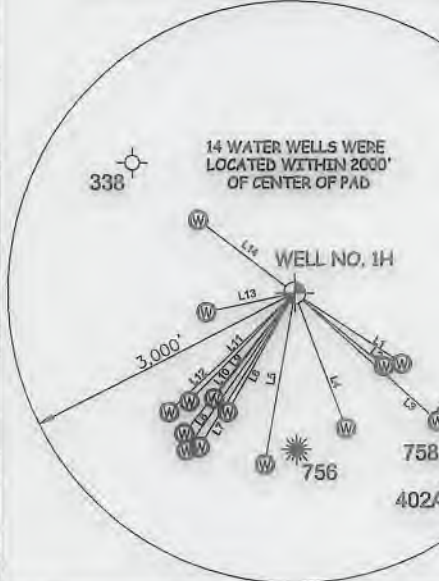
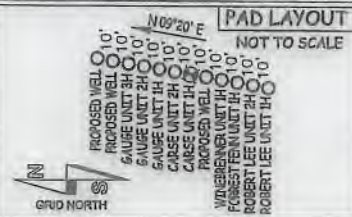
LATITUDE 39°27'30" 3,196'

673' TO BOTTOM HOLE  
LATITUDE 39°25'00"

Antero Resources Corporation  
Well No. Carse Unit 1H

NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 337,337ft E: 1,584,808ft  
LAT: 39°25'00.71" LON: 80°58'10.73"  
BOTTOM HOLE INFORMATION:  
N: 325,222ft E: 1,587,135ft  
LAT: 39°23'01.37" LON: 80°57'38.57"  
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: 4,363,047m E: 502,627m  
BOTTOM HOLE INFORMATION:  
N: 4,359,368m E: 503,398m



Well No.	Owner	Acres
B-02	Charles Messer	350/139 103.59 AC
B-21	Allan Moore	456/217 1,272 AC
B-22	Andrew Waribrook	32/1313 1.88 AC
B-23	Wesley Smith	339/272 1.81 AC
B-24	Donald Robinson	330/471 98.07 AC
B-25	Nancy McGee	347/235 32.29 AC
B-26	Randy Goddard	286/270 44.28 AC
B-27	Carla Wallace	343/626 100 AC
B-28	William Darnon	336/626 73 AC
B-29	William Darnon	336/626 282.2 AC
B-30	Comm. Church of Jesus Christ	349/315 4 AC
B-31	Richard Brightwell	333/559 64.23 AC
B-32	Carl Baker	321/393 15 AC
B-33	Joseph Rymer	338/436 10.99 AC
B-34	Charles Messer	365/162 10.10 AC
B-35	Theresa Wells	291/234 18.10 AC
B-36	David Clark	437/399 11 AC
B-37	Norman Eroy	321/430 66.42 AC
B-38	Jerry Lowther	327/772 19 AC
B-39	Leroy Dornell	344/384 12.15 AC
B-40	Blair Dunham	382/626 35 AC
B-41	Richard Brightwell	303/369 49.03 AC
B-42	Goldanna Darnon	365/158 0.67 AC
B-43	Jerry Lowther	289/474 25.42 AC
B-44	Roades Snyder	376/611 40.01 AC
B-45	Roades Snyder	376/611 42.61 AC
B-46	Leroy Dornell	260/657 16.5 AC
B-47	Robert Lamb	332/749 18.25 AC
B-48	Kevin Grim	333/676 35 AC
B-49	Nesmi Formator	275/716 1.82 AC
B-50	Nesmi Formator	285/111 67.57 AC
B-51	Daniel Lemaster	294/151 62 AC
B-52	Paul Karthaus	285/644 51.99 AC
B-53	Michael Fitzsimmons	318/215 189.86 AC
B-54	Thomas Moore	330/749 17.97 AC
B-55	Thomas Moore	302/749 18.25 AC
B-56	Hunter Inc.	155/182 93.78 AC
B-57	Earl Adelfan	1818/260 84.61 AC
B-58	Terry Selder	349/116 200 AC
B-59	Terry Selder	338/62 20 AC
B-60	Jorrett Shepherd	379/494 83.14 AC
B-61	Terry Selder	349/116 41.89 AC
B-62	Terry Selder	344/384 12.15 AC
B-63	Terry Selder	358/317 73.49 AC
B-64	Reynold Hamilton	322/733 62.58 AC
B-65	Reynold Hamilton	345/501 73.08 AC
B-66	Reynold Hamilton	261/205 64 AC
B-67	Church	1.5 AC
B-68	Douglas Stratton	343/541 17 AC
B-69	Reynold Hamilton	352/524 71.79 AC
B-70	Letha Wade	1183/383 43.85 AC
B-71	Alan Yeater	379/609 32.26 AC
B-72	David Kasper	309/500 8.21 AC
B-73	Jonathan Hall	330/287 153.11 AC
B-74	Jonathan Hall	338/287 25.13 AC

LINE	BEARING	DISTANCE
L1	S 69°50' E	1337.0'
L2	S 69°49' E	1188.9'
L3	S 48°14' E	1888.3'
L4	S 20°48' E	1458.8'
L5	S 10°14' W	1798.2'
L6	S 28°59' W	1421.0'
L7	S 32°14' W	1872.9'
L8	S 35°09' W	1978.0'
L9	S 37°60' W	1351.1'
L10	S 25°43' W	1893.1'
L11	S 44°37' W	1674.9'
L12	S 49°58' W	1801.2'
L13	S 78°10' W	945.7'
L14	N 63°07' W	1269.7'

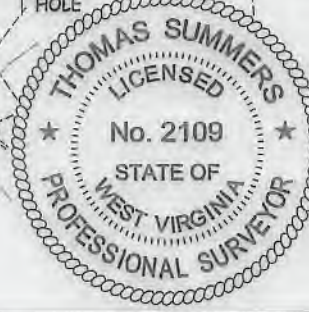
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

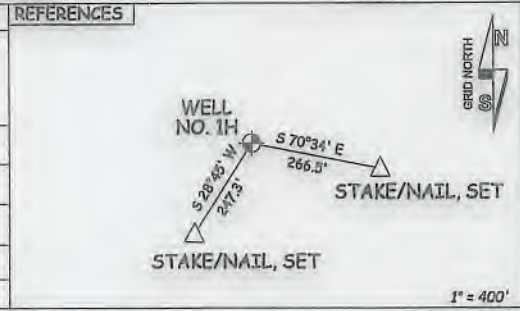
(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,313,717ft E: 1,648,989ft  
POINT OF ENTRY INFORMATION:  
N: 14,313,281ft E: 1,647,325ft  
BEND POINT INFORMATION:  
N: 14,312,013ft E: 1,647,725ft  
BOTTOM HOLE INFORMATION:  
N: 14,301,648ft E: 1,651,517ft

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



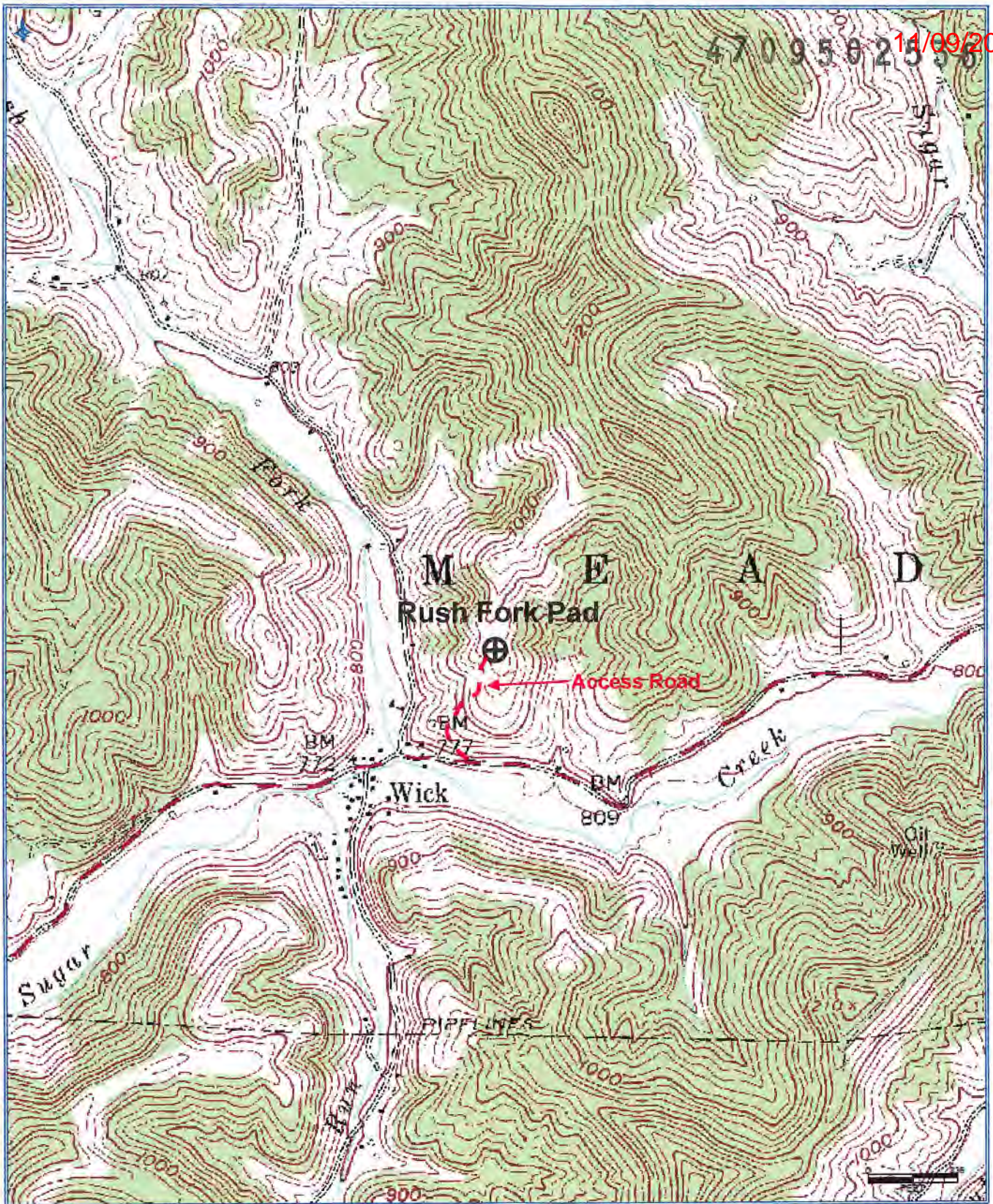
JOB # 17-022WA  
DRAWING # CARSE1HR3  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND  
----- Surface Owner Boundary Lines +/-  
----- Interior Surface Tracts +/-  
----- Existing Fence  
⊕ Found monument, as noted  
THOMAS SUMMERS P.S. 2109  
DATE 08/08/18  
OPERATOR'S WELL# CARSEUNIT 1H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02536  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT  
LOCATION: ELEVATION 988' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK  
QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT MEADE COUNTY TYLER  
SURFACE OWNER JOSEPH R. RYMER JR. ACREAGE 44.33 ACRES +/-  
OIL & GAS ROYALTY OWNER HOWARD HARCHA III; JAMES D. WHITE; THERESA J. WELLS; FISHER OIL COMPANY; PHILLIP J. HAMILTON; FISHER OIL COMPANY; KERMIT C. MOSSOR ET UX; LARRY D. McMULLEN; KERR-McGEE OIL & GAS ONSHORE LP; JERRY IRVIN LOWTHER; 3.81 AC.; 5.94 AC.; 0.84 AC.; 23.97 AC.; 18.5 AC.;  
JERRY IRVIN LOWTHER; OTIS F. WILCOX; JOHN FOU ST UX; S.A. SMITH ET AL; ALLEN SMITH; RALPH PHILLIPS ET UX; MICHAEL E. ANKROM; RONALD P. HAMILTON. 25 AC.; 83.12 AC.; 112.6 AC.; 47.39 AC.; 146.18 AC.; 66.3 AC.; 81 AC.; 62.58 AC.;  
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) PLUG & ABANDON CLEAN OUT & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 21,200' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

11/09/2018



RECEIVED  
Office of Oil and Gas

OCT 25 2018

WV Department of  
Environmental Protection

**Antero Resources Corporation**

Appalachian Basin

Rush Fork Pad

Doddridge County

Quadrangle: Middlebourne

Watershed: Middle Island Creek

District: Meade

Date: 3-14-2017