

LATITUDE 39°25'00"

11,520'

5,685' TO BOTTOM HOLE

LATITUDE 39°27'30"

LONGITUDE 80°57'30"

585' LONGITUDE 80°55'00"

03/29/2019

NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FEET RADIUS (0.300) GRADE FEET OR LARGER USED TO HOUSE OR STABLE ANY CATTLE OR HORSE NEARBY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 336,623ft E: 1,588,246ft
 LAT: 39°24'54.22" LON: 80°57'26.78"
BOTTOM HOLE INFORMATION:
 N: 351,436ft E: 1,582,548ft
 LAT: 39°27'19.68" LON: 80°58'42.48"
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.

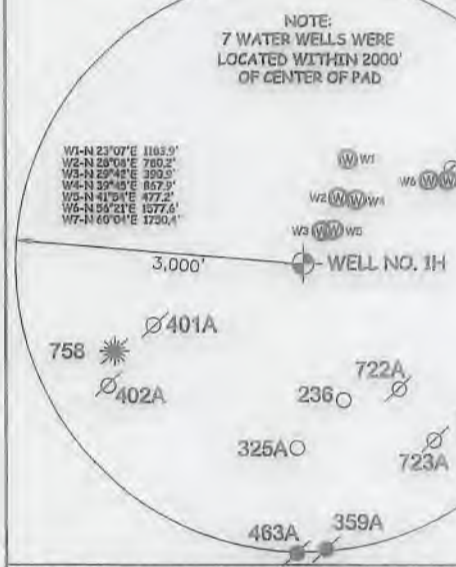
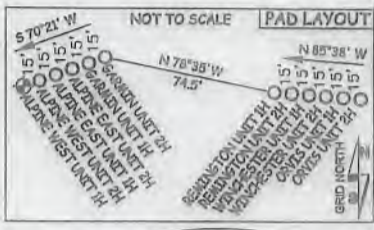
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,362,847m E: 503,678m
BOTTOM HOLE INFORMATION:
 N: 4,367,331m E: 501,867m

Antero Resources Corporation
Well No. Alpine West Unit 1H

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 14,313,062ft E: 1,652,437ft
POINT OF ENTRY INFORMATION:
 N: 14,312,908ft E: 1,651,871ft
BOTTOM HOLE INFORMATION:
 N: 14,327,772ft E: 1,646,499ft

A - SURFACE - RAYMOND L. MOORE
 D.B. 285 PG. 310 T.M. 08 PAR. 29.1 1.10 AC. ±
A - LEASE - RAYMOND L. MOORE ET UX
B - SURFACE - DESTRY B. NELSON ET AL
 D.B. 347 PG. 643 T.M. 08 PAR. 28.1 1.236 AC. ±
B - LEASE - DAVID E. BOWYER
C1, C2, C3 - SURFACE - DONALD R. ROBINSON ET AL
 D.B. 294 PG. 713 T.M. 08 PAR. 28 0.914 AC. ±
C1 - LEASE - LILLIAN LEE EDDY
C2 - LEASE - DONALD E. ROBINSON ET UX
C3 - LEASE - EARL G. GLENDENNING

WV NORTH ZONE GRID NORTH

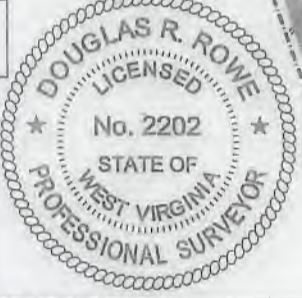


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

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



JOB # 17-005WA
 DRAWING # ALPINEWEST1H830
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

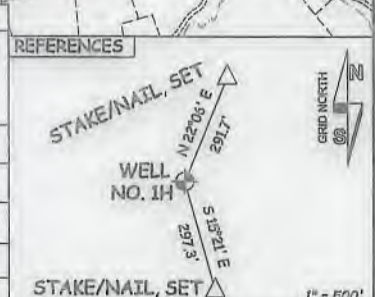
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND

----- Surface Owner Boundary Lines +/-
 - - - - Interior Surface Tracts +/-
 ⊕ Existing Fence
 ⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

DATE 09/03/18
 OPERATOR'S WELL# ALPINE WEST UNIT #1H

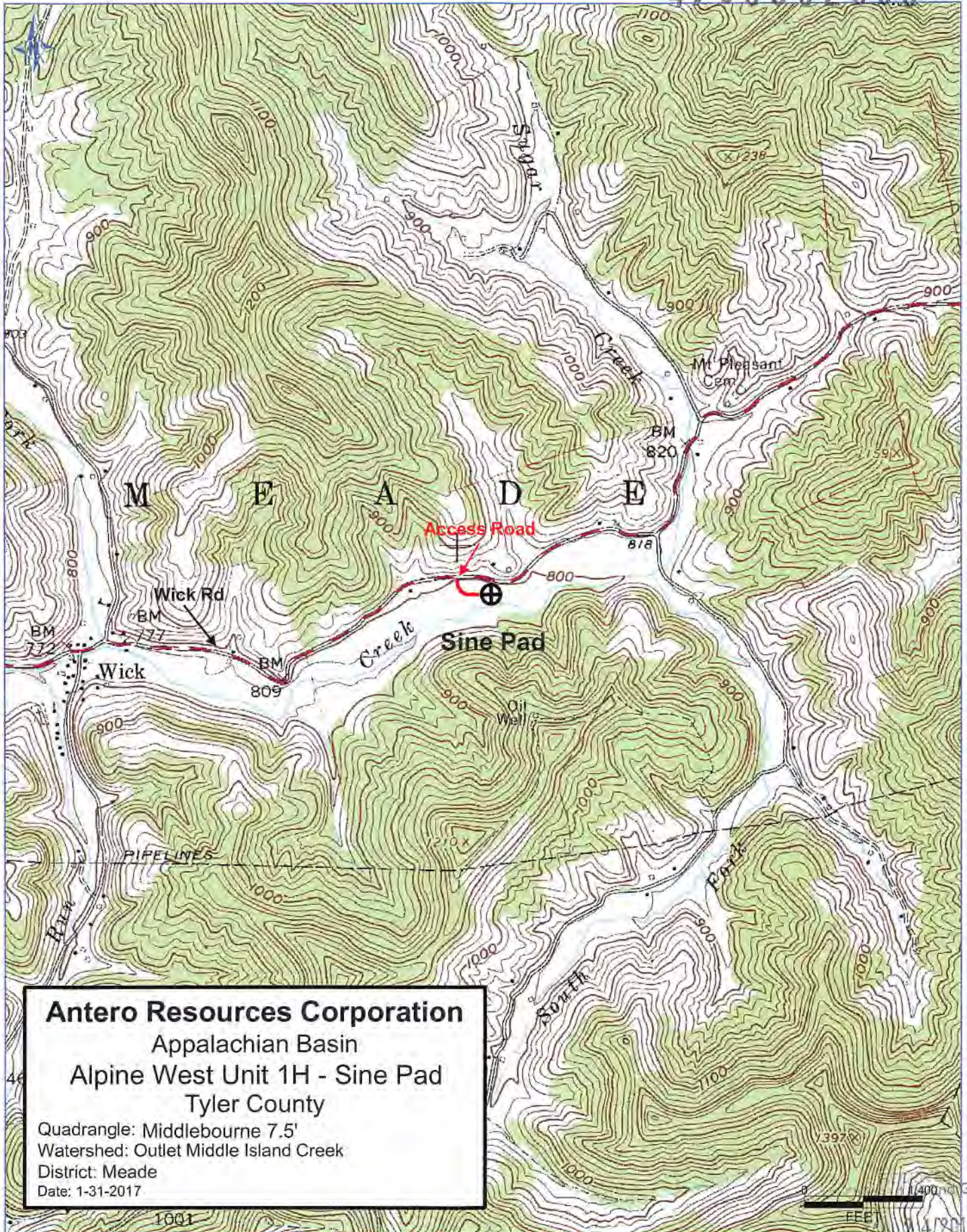


WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 095 - 02600
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT
 LOCATION: ELEVATION 799' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT MEADE COUNTY TYLER

SURFACE OWNER JAMES SINE ET AL ACREAGE 32.395 ACRES +/-
 OIL & GAS ROYALTY OWNER JAMES SINE ET UX; MARK A. KARL; DONALD E. ROBINSON ET UX; LEASE ACREAGE 54.74 ACRES +/-; 73 ACRES +/-; 98.06 ACRES +/-
 JAMES M. UTT; DONALD L. BAKER ET UX; CHESTER L. BAKER ET UX; NANCY LEE BRADFORD; DENNIS SOLE TRUST; 204.88 ACRES +/-; 173.65 ACRES +/-; 33.23 ACRES +/-; 59.05 ACRES +/-; 80.24 ACRES +/-
 STAR FURNITURE CO.; STEVEN C. ANDERSON; GEORGE E. POST ET UX; GEORGE E. POST ET UX; EARL E. BLAIR ET UX 73.23 ACRES +/-; 176.66 ACRES +/-; 49.75 ACRES +/-; 43.25 ACRES +/-; 110 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) ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD 23,400' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



Antero Resources Corporation
 Appalachian Basin
 Alpine West Unit 1H - Sine Pad
 Tyler County

Quadrangle: Middlebourne 7.5'
 Watershed: Outlet Middle Island Creek
 District: Meade
 Date: 1-31-2017