

LATITUDE 39°12'30"

6,883'

LATITUDE 39°12'30"

6,861' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Twig 1H

Union District - Ritchie County	
15-5	Larry Gander
21-3	Dallas Smith Et Al
21-4	Larry Gander
21-5	James Beck Et Al
21-6	WF Smith
21-6.1	Lois Gander
21-7	Elmer Pierce
21-7.1	Larry Gander
21-7.2	Larry Gander
21-8.4	Brian Vansant
21-10	James Beck
21-10.1	Harvey Shepler
21-10.2	James Beck
Southwest District - Doddridge County	
8-5	Larry Gander
12-1	David Ball

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 247,740ft E: 1,615,110ft
LAT: 39°10'19.94" LON: 80°51'27.40"
BOTTOM HOLE INFORMATION:
N: 248,266ft E: 1,615,140ft
LAT: 39°10'25.15" LON: 80°51'27.12"
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: 4,335,906m E: 512,315m
BOTTOM HOLE INFORMATION:
N: 4,335,926m E: 512,380m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,224,670ft E: 1,680,771ft
POINT OF ENTRY INFORMATION:
N: 14,224,562ft E: 1,681,056ft
BOTTOM HOLE INFORMATION:
N: 14,225,197ft E: 1,680,792ft

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 HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

WV NORTH ZONE
GRID NORTH

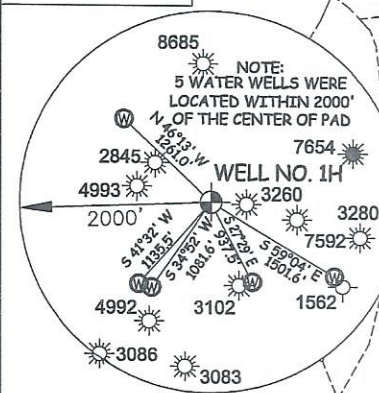
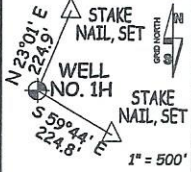
12,632' TO BOTTOM HOLE

13,159'

LONGITUDE 80°50'00"

LONGITUDE 80°50'00"

REFERENCES



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

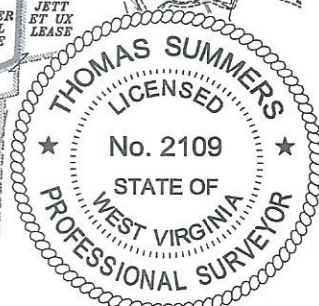
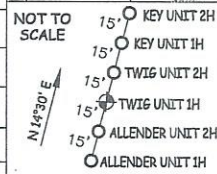
JOB # 21-015WA
DRAWING # TWIG1HS
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
— Surface Owner Boundary Lines +/-
- - - Adjoining Surface Tracts +/-
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

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

DATE 06/07/23
OPERATOR'S WELL # TWIG 1H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10498
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT
LOCATION: ELEVATION 1,019' -AS-BUILT WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE OXFORD 7.5' DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER ELMER W. PIERCE ACREAGE 67.78 ACRES +/- **07/21/2023**
OIL & GAS ROYALTY OWNER R. F. KIESTER ET AL; B. GUY WHITEHAIR ET UX; LEASE ACREAGE 70 AC.±; 117 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 6,900' TVD 9,300' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT KEVIN ELLIS
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAK BLVD.
FORM WW-6 DENVER, CO 80202 BRIDGEPORT, WV 26330

