

LATITUDE 39°25'00"

8,174'

2H BOTTOM HOLE - 5,397' TO BOTTOM HOLE
LATITUDE 39°22'30"

93' TO BOTTOM HOLE
LONGITUDE 80°52'30"

5,993'

LONGITUDE 80°52'30"

Antero Resources Corporation
Well No. Spock Unit 2H
47-095-02427

LOREN BAGLEY LEASE
LOREN BAGLEY
W.B. 20 PG. 795
T.J.L. 11 PAR. 02
207.77 AC ±

GARY L. HALL LEASE
GARY HALL ET AL
D.B. 245 PG. 307
T.J.L. 7 PAR. 20
40 AC ±

JOSEPH MACRAY
D.B. 352 PG. 440
T.J.L. 12 PAR. 31
240.03 AC ±

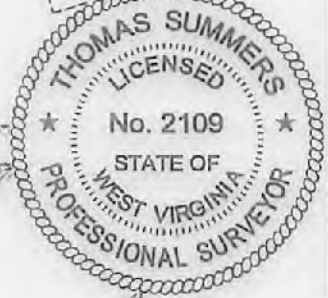
NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 330,976ft E: 1,603,279ft
LAT: 39°24'00.77" LON: 80°54'14.13"
BOTTOM HOLE INFORMATION:
N: 321,627ft E: 1,607,913ft
LAT: 39°22'29.09" LON: 80°53'13.27"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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: 4,361,203m E: 508,287m
BOTTOM HOLE INFORMATION:
N: 4,358,379m E: 509,746m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,307,668ft E: 1,667,557ft
POINT OF ENTRY INFORMATION:
N: 14,307,971ft E: 1,668,908ft
BOTTOM HOLE INFORMATION:
N: 14,298,401ft E: 1,672,349ft



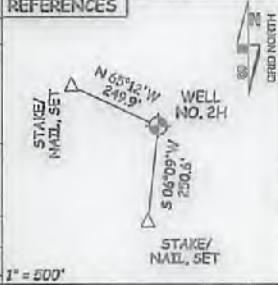
NOTE:
NO OCCUPIED BUILDINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,000) SQUARE FEET OR LARGER USED TO HOUSE OR PROTECT DAILY CATTLE OR POULTRY RESIDING AND LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



JOB # 16-047WA
DRAWING # SPOCK2HR3
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



LEGEND and OPERATOR'S WELL # SPOCK UNIT #2H



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

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
LOCATION: ELEVATION 1,115' AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
SURFACE OWNER TYRONE L. BEEM ET AL ACREAGE 300 ACRES +/-
OIL & GAS ROYALTY OWNER E.C. BEEM; FRANK GRASS ET AL; CONRAD E. COSTILOW; LEASE ACREAGE 317 AC±: 43.78 AC±; 64.42 AC±; 19.4 AC±; 94.92 AC±; 178 AC±; 28.76 AC±; 104.95 AC±PROPOSED WORK: DRILL CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 17,200' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM

THOMAS SUMMERS P.S. 2109
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.