

LATITUDE 39°20'00"

4,830'

10,892' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°42'30"

6,862'

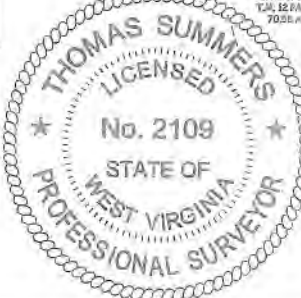
LONGITUDE 80°42'30"

Antero Resources Corporation Well No. Callahan Unit 2H

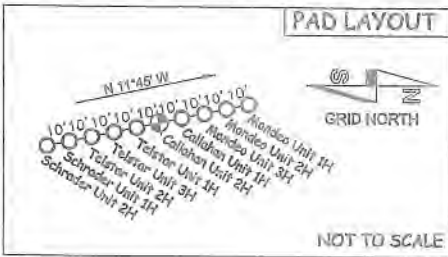
NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 299,020ft E: 1,653,296ft
 LAT: 39°18'52.19" LON: 80°43'31.46"
 BOTTOM HOLE INFORMATION:
 N: 290,504ft E: 1,658,913ft
 LAT: 39°17'28.77" LON: 80°42'18.54"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,351,723m E: 523,687m
 BOTTOM HOLE INFORMATION:
 N: 4,349,157m E: 525,442m

(NAD 27 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 14,276,562ft E: 1,718,003ft
 POINT OF ENTRY INFORMATION:
 N: 14,277,116ft E: 1,720,807ft
 BOTTOM HOLE INFORMATION:
 N: 14,268,144ft E: 1,723,839ft



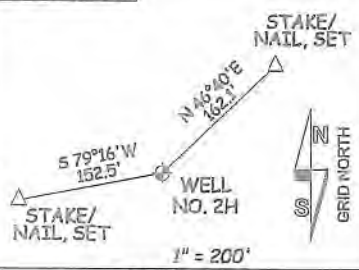
PAD LAYOUT



NOT TO SCALE



REFERENCES



JOB # 13-028WA
 DRAWING # CALLAHAN2HRS
 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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,422' ORIGINAL 1,378' PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK

QUADRANGLE SMITHEBURG 7.5' DISTRICT WEST UNION COUNTY DODDRIDGE
 SURFACE OWNER MARY E. DEETS AND/OR PAUL A. SMITH ACREAGE 53.29 ACRES +/- AND/OR 175.78 ACRES±
 OIL & GAS ROYALTY OWNER JOHNSON B. SMITH ET UX; T.G. BAKER ET AL; LEASE ACREAGE 180 ACRES±; 53.46 ACRES±;
 G.L. SWENTZEL ET UX; PANSY HEFLIN ET AL; OLIVIA JONES; DORIS L. CLEVELAND 103 ACRES±; 222.5 ACRES±; 260 ACRES±; 58 ACRES±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-POE PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,600' TVD 20,400' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPLER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313



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

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

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

THOMAS SUMMERS P.S. 2109
 DATE 03/08/19
 OPERATOR'S WELL# CALLAHAN UNIT #2H

API WELL # 47 - 017 - 06874
 STATE COUNTY PERMIT

COUNTY NAME

PERMIT