

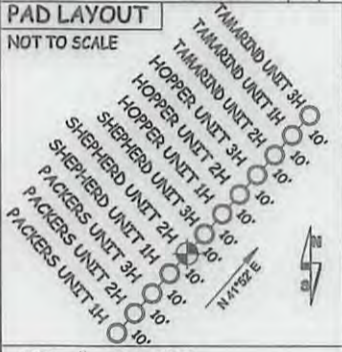
LATITUDE 39°22'30" 4,834'
LATITUDE 39°25'00" 7,499' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Shepherd Unit 2H

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 316,365ft E: 1,582,830ft
LAT: 39°21'33.14" LON: 80°58'31.55"
BOTTOM HOLE INFORMATION:
N: 326,980ft E: 1,580,336ft
LAT: 39°23'17.63" LON: 80°59'05.52"
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: 4,356,648m E: 502,131m
BOTTOM HOLE INFORMATION:
N: 4,359,869m E: 501,318m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,292,723ft E: 1,647,362ft
POINT OF ENTRY INFORMATION:
N: 14,293,259ft E: 1,648,682ft
BOTTOM HOLE INFORMATION:
N: 14,303,291ft E: 1,644,692ft



JOB # 15-044WA
DRAWING # SHEPHERD2HR3
SCALE 1" = 1000'
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 +/-
X Existing Fence
⊕ Rebar, Found
D. R. ROWE
DOUGLAS R. ROWE P.S. 2202
APC: 47-095-02386
DATE 09/09/16
OPERATOR'S WELL# SHEPHERD 2H

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.

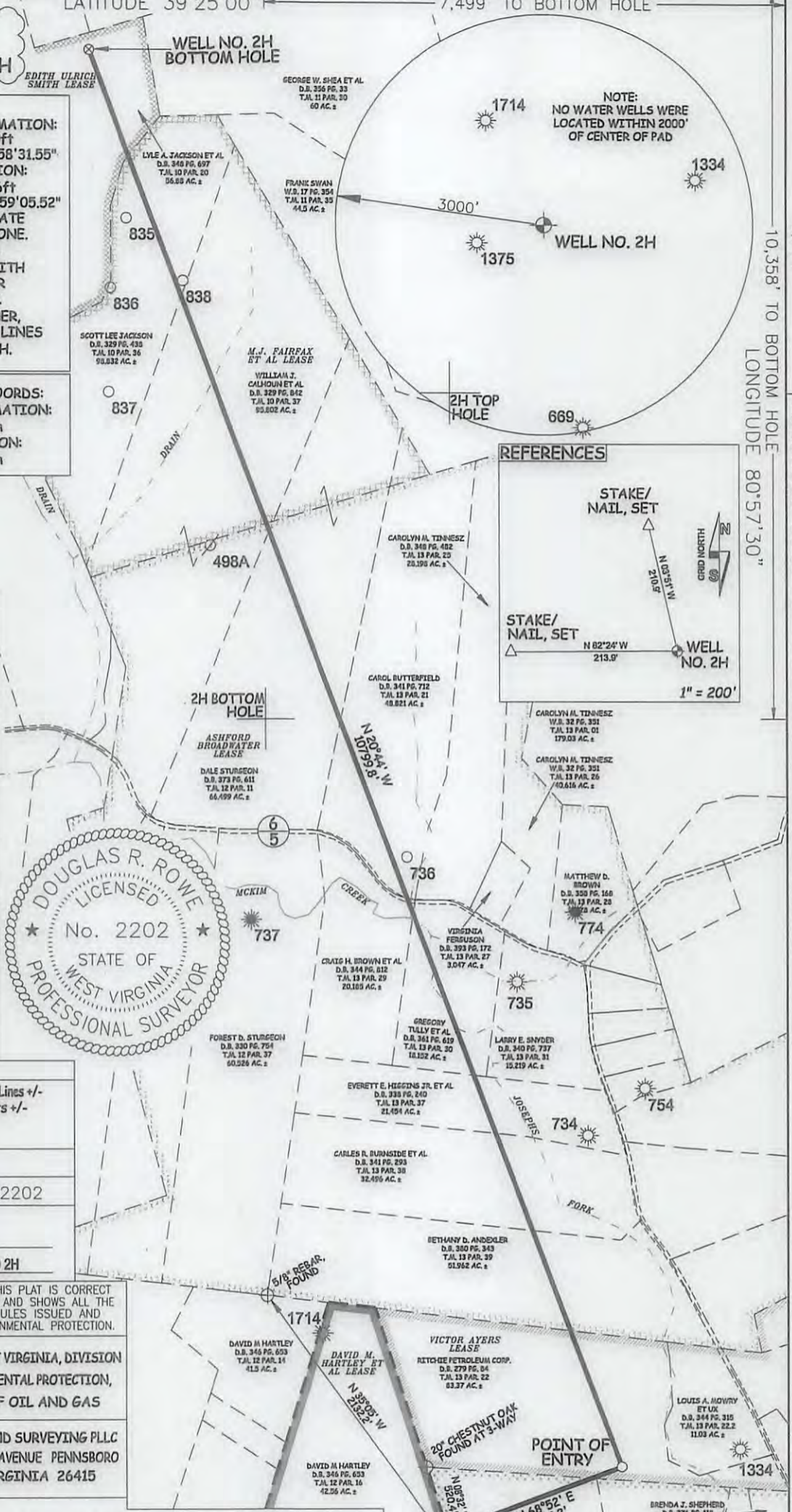
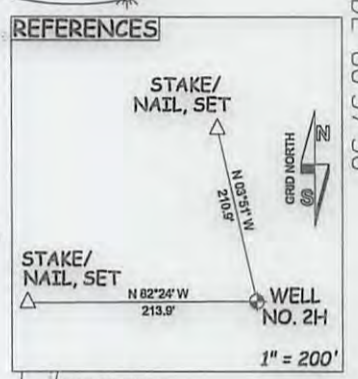
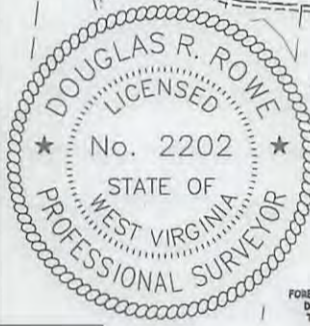


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVENUE PENNSBORO WEST VIRGINIA 26415

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,188 ORIGINAL - 1,178' PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK
QUADRANGLE PEINSBORO 7.5' SHL. MIDDLEBOURNE 7.5' BHL. DISTRICT MEADE COUNTY TYLER

SURFACE OWNER DAVID M. HARTLEY ACREAGE 42.56 ACRES +/-
OIL & GAS ROYALTY OWNER DAVID M. HARTLEY ET AL; TERRY L. SNIDER; VICTOR AYERS; LEASE ACREAGE 42.56 AC±; 221.24 AC±; 97 AC±; ASHFORD BROADWATER; M.J. FAIRFAX ET AL; EDITH ULRICH SMITH 583.712 AC±; 120 AC±; 56.88 AC±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 18,750' MD
WELL OPERATOR ANTERO RESOURCES CORPORATION 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



10,358' TO BOTTOM HOLE
LONGITUDE 80°57'30"

5,754' LONGITUDE 80°57'30"

12/23/2016