

LATITUDE 39°17'30"

2,226'

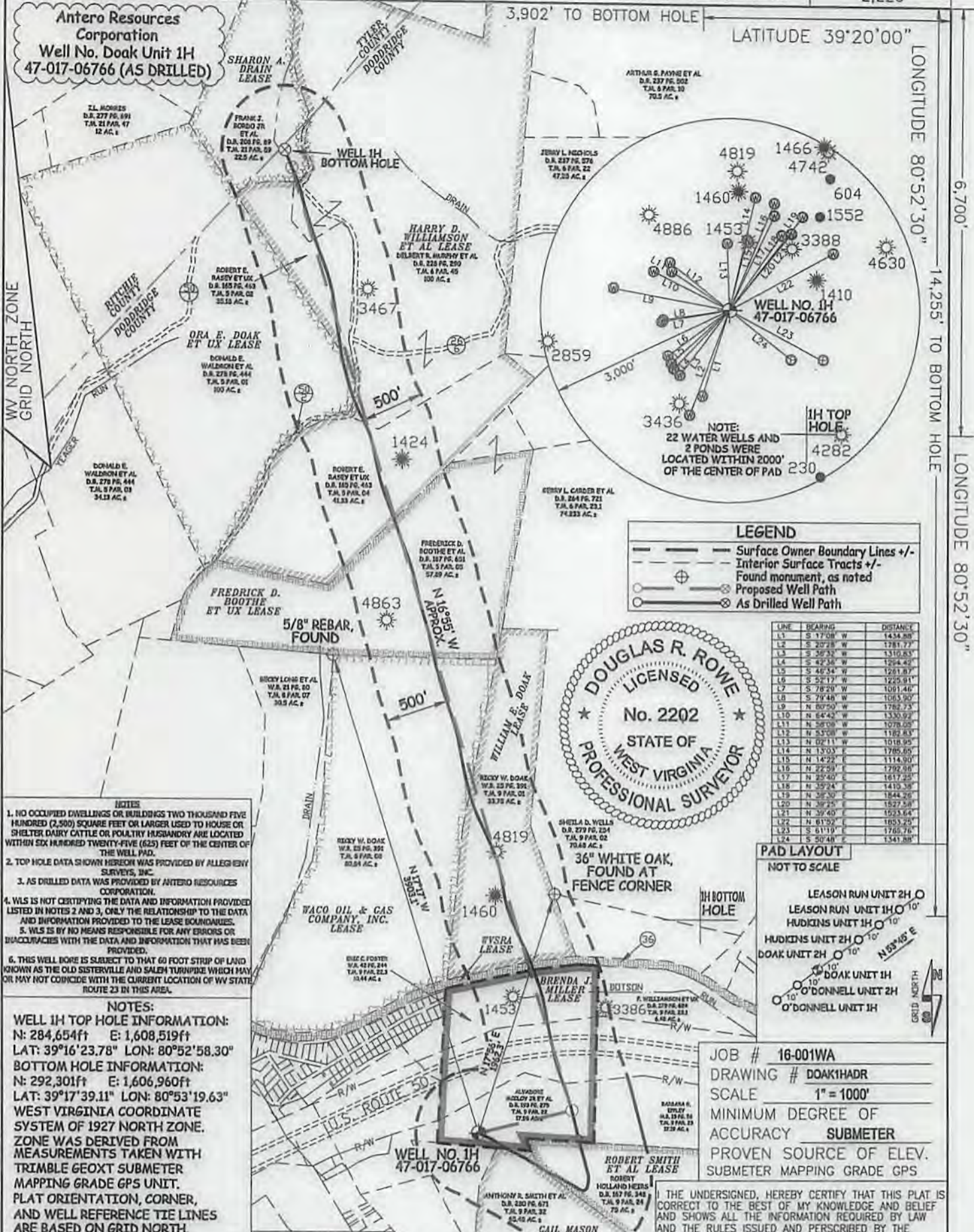
LATITUDE 39°20'00"

3,902' TO BOTTOM HOLE

LONGITUDE 80°52'30"

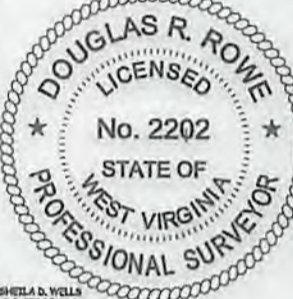
14,255' TO BOTTOM HOLE

LONGITUDE 80°52'30"

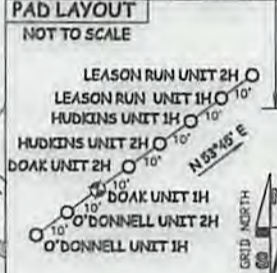


LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Proposed monument, as noted
- Proposed Well Path
- As Drilled Well Path



LINE	BEARING	DISTANCE
L1	S 17°08' W	1434.88
L2	S 20°28' W	1281.77
L3	S 26°32' W	1310.83
L4	S 42°34' W	1264.42
L5	S 48°34' W	1261.87
L6	S 52°17' W	1225.91
L7	S 78°20' W	1091.46
L8	S 79°48' W	1063.90
L9	N 80°50' W	1782.73
L10	N 64°42' W	1330.92
L11	N 58°58' W	1078.05
L12	N 53°20' W	1182.83
L13	N 02°11' W	1016.95
L14	N 13°03' E	1785.85
L15	N 14°22' E	1114.90
L16	N 22°52' E	1782.98
L17	N 25°40' E	1617.25
L18	N 32°24' E	1410.35
L19	N 38°30' E	1844.26
L20	N 39°25' E	1827.58
L21	N 39°40' E	1823.64
L22	N 61°52' E	1853.25
L23	S 11°19' W	1766.76
L24	S 50°48' W	1341.88



- NOTES**
- 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.
 - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.
 - THIS WELL BORE IS SUBJECT TO THAT 60 FOOT STRIP OF LAND KNOWN AS THE OLD SISTERVILLE AND SALEM TURNPIKE WHICH MAY OR MAY NOT COINCIDE WITH THE CURRENT LOCATION OF WV STATE ROUTE 23 IN THIS AREA.

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 284,654ft E: 1,608,519ft
LAT: 39°16'23.78" LON: 80°52'58.30"
BOTTOM HOLE INFORMATION:
N: 292,301ft E: 1,606,960ft
LAT: 39°17'39.11" LON: 80°53'19.63"
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: 4,347,118m E: 510,119m
BOTTOM HOLE INFORMATION:
N: 4,349,440m E: 509,605m



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 # 16-001WA
DRAWING # DOAK1HADR
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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.

D. Rowe
DOUGLAS R. ROWE P.S. 2202

DATE 07/07/17
OPERATOR'S WELL# DOAK UNIT #1H

API WELL # 47 - 017 - 06766
STATE COUNTY PERMIT

QUADRANGLE PENNSBORO 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER ALVADORE MCCLOY JR ET UX ACREAGE 17.98 ACRES +/-
OIL & GAS ROYALTY OWNER BRENDA J. MILLER, GAIL MASON, ROBERT SMITH ET AL; WVSRA; WILLIAM E. DONK; LEASE ACREAGE 30.15 AC; 148.793 AC; 75 AC; 301.19 AC; 35 AC; WACO OIL & GAS CO. INC.; FREDRICK D. BOOTHE ET UX; HARRY D. WILLIAMSON ET AL; ORA E. DOAK ET UX; SHARON A. DRAIN 83 ACRES; 62 ACRES; 176 ACRES; 100 ACRES; 22.5 ACRES;

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) (X) AS DRILLED
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,452' TVD 14,799' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
FORM WW-6 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME PERMIT

06/05/2018