

LATITUDE 39°17'30" 2,218'

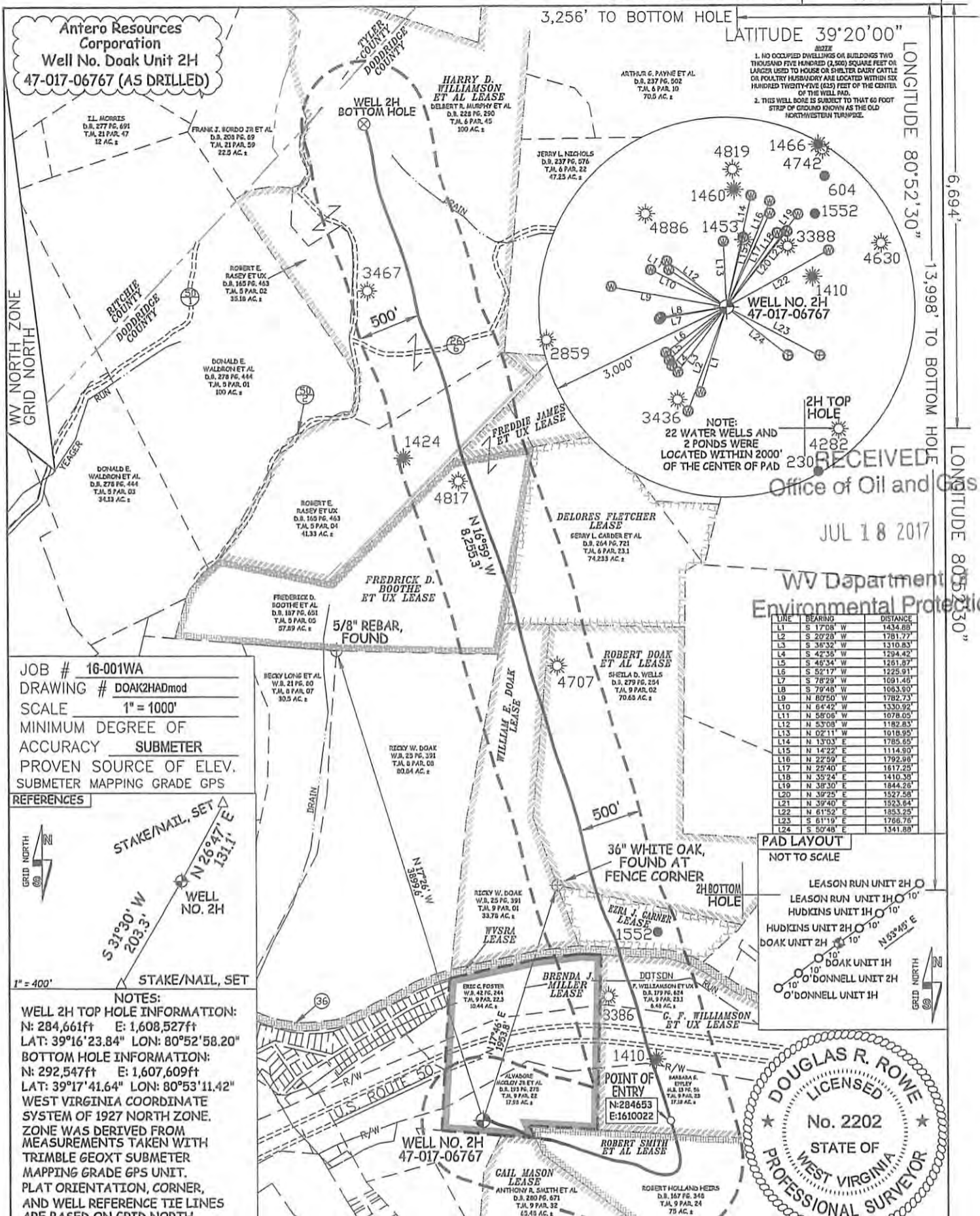
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

6,694'

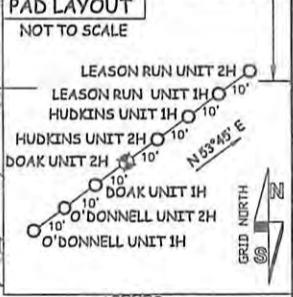
13,998' TO BOTTOM HOLE

LONGITUDE 80°52'30"

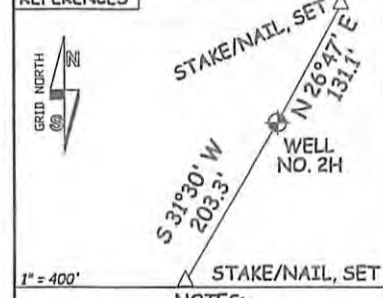


PAD LAYOUT
NOT TO SCALE

LINE	BEARING	DISTANCE
L1	S 17°08' W	1434.68'
L2	S 20°28' W	1761.77'
L3	S 36°32' W	1310.85'
L4	S 42°36' W	1294.42'
L5	S 45°34' W	1261.87'
L6	S 52°17' W	1225.91'
L7	S 78°29' 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 55°05' W	1078.05'
L12	N 53°08' W	1182.83'
L13	N 02°11' W	1018.95'
L14	N 13°03' E	1785.65'
L15	N 14°22' E	1114.90'
L16	N 22°59' E	1792.98'
L17	N 25°40' E	1812.28'
L18	N 35°24' E	1410.38'
L19	N 38°30' E	1844.28'
L20	N 39°25' E	1527.58'
L21	N 39°40' E	1523.64'
L22	N 61°52' E	1353.23'
L23	S 61°19' E	1766.78'
L24	S 50°48' E	1341.88'



JOB # 16-001WA
DRAWING # DOAK2HADmod
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 284,661ft E: 1,608,527ft
LAT: 39°16'23.84" LON: 80°52'58.20"
BOTTOM HOLE INFORMATION:
N: 292,547ft E: 1,607,609ft
LAT: 39°17'41.64" LON: 80°53'11.42"
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: 4,347,120m E: 510,121m
BOTTOM HOLE INFORMATION:
N: 4,349,518m E: 509,801m



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

DATE 06/26/17
OPERATOR'S WELL# DOAK UNIT #2H
API WELL # 47-017-06767
STATE COUNTY PERMIT

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 1,057' AS BUILT WATERSHED NORTH FORK HUGHES RIVER
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; G.F. WILLIAMSON ET UX; WVSRA LEASE ACREAGE 30.15 ACRES; 148.793 ACRES; 75 ACRES; 50 ACRES; 301.19 ACRES;
EZRA J. GARNER; ROBERT DOAK ET AL; WILLIAM E. DOAK; DELORES FLETCHER; FREDRICK D. BOOTHE ET UX; FREDDIE JAMES ET UX; HARRY D. WILLIAMSON ET AL 11 ACRES; 71 ACRES; 35 ACRES; 40 ACRES; 62 ACRES; 34 ACRES; 176 ACRES;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) POE MOD
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,476' TVD 15,192' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

08/04/2017