

LATITUDE 39°17'30" 2,234'

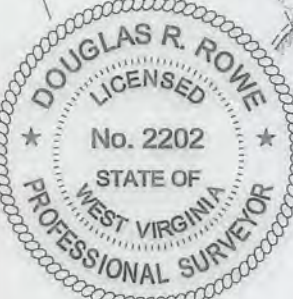
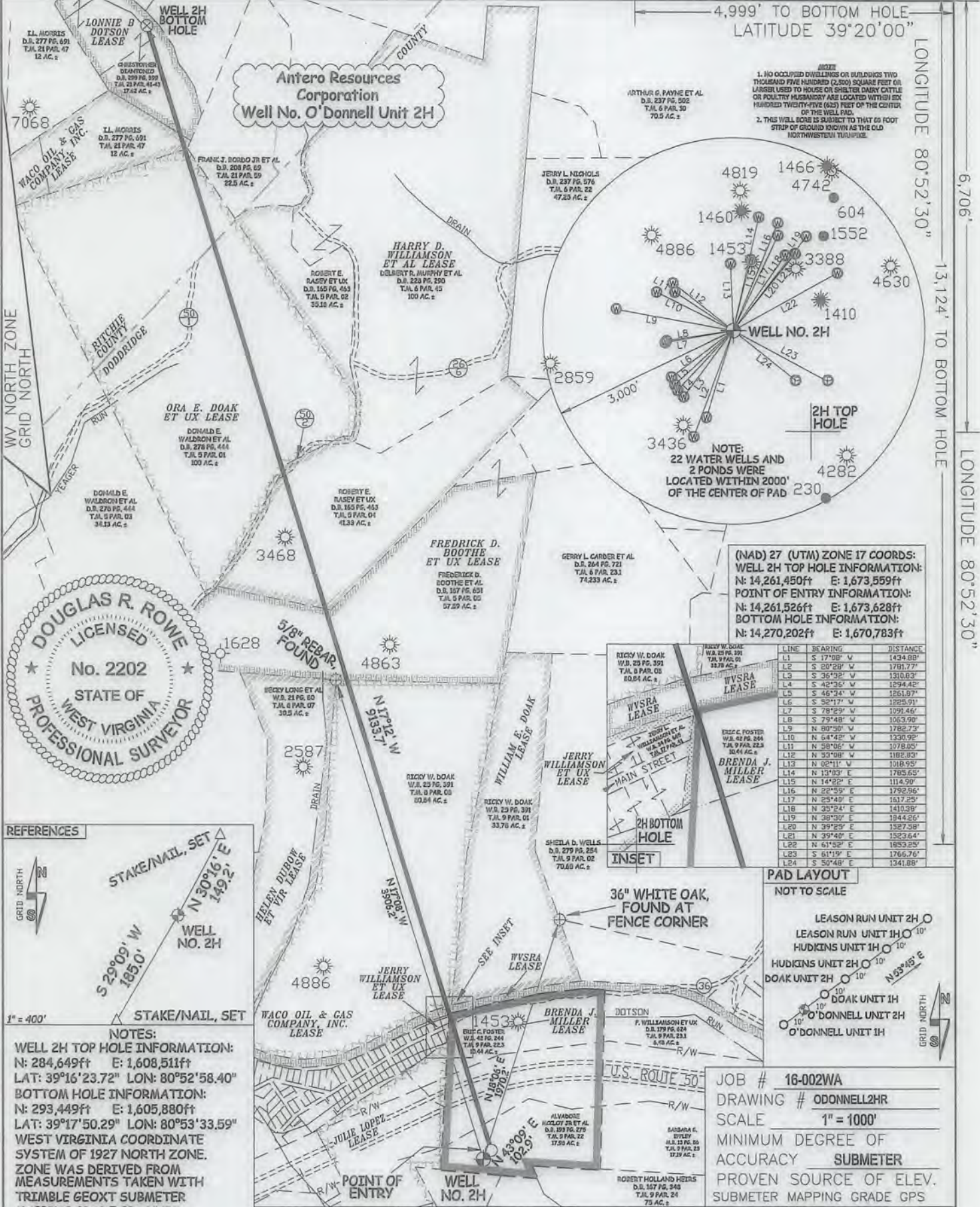
4,999' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

6,706'

13,124' TO BOTTOM HOLE

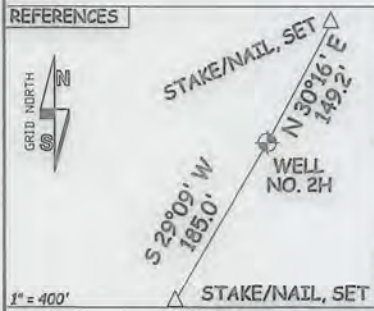
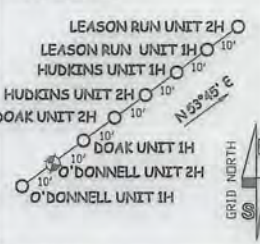
LONGITUDE 80°52'30"



(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 14,261,450ft E: 1,673,559ft
 POINT OF ENTRY INFORMATION:
 N: 14,261,526ft E: 1,673,628ft
 BOTTOM HOLE INFORMATION:
 N: 14,270,202ft E: 1,670,783ft

LINE	BEARING	DISTANCE
L1	S 17°08' W	1424.00'
L2	S 20°28' W	1761.77'
L3	S 35°32' W	1310.03'
L4	S 42°35' W	1294.42'
L5	S 48°24' W	1251.97'
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	1230.99'
L11	N 50°08' E	1978.05'
L12	N 50°08' E	1182.83'
L13	N 02°11' W	1018.95'
L14	N 13°03' E	1765.65'
L15	N 14°22' E	1114.50'
L16	N 22°55' E	1728.96'
L17	N 28°08' E	1617.25'
L18	N 35°24' E	1410.59'
L19	N 38°30' E	1344.26'
L20	N 39°25' E	1327.98'
L21	N 39°40' E	1523.64'
L22	N 61°52' E	1853.25'
L23	S 61°19' E	1766.76'
L24	S 50°48' E	1341.88'

PAD LAYOUT
NOT TO SCALE



NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 284,649ft E: 1,608,511ft
 LAT: 39°16'23.72" LON: 80°52'58.40"
 BOTTOM HOLE INFORMATION:
 N: 293,449ft E: 1,605,880ft
 LAT: 39°17'50.29" LON: 80°53'33.59"
 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: 4,347,116m E: 510,116m
 BOTTOM HOLE INFORMATION:
 N: 4,349,784m E: 509,270m

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 1,083' ORIGINAL - 1,057' PROPOSED 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; JERRY WILLIAMSON ET UX; WVSRA; WACO OIL & GAS CO. INC.; LEASE ACREAGE 39.15 AC±; 1.08 AC±; 301.19 AC±; 83 AC±;
 FREDRICK D. BOOTHE ET UX; HARRY D. WILLIAMSON ET AL; ORA E. DOAK ET UX; WACO OIL & GAS CO. INC.; LONNIE B. DOTSON 62 AC±; 176 AC±; 100 AC±; 98.3 AC±; 17.62 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 PLUG & ABANDON ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 ESTIMATED DEPTH 6,700' TVD 16,500' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

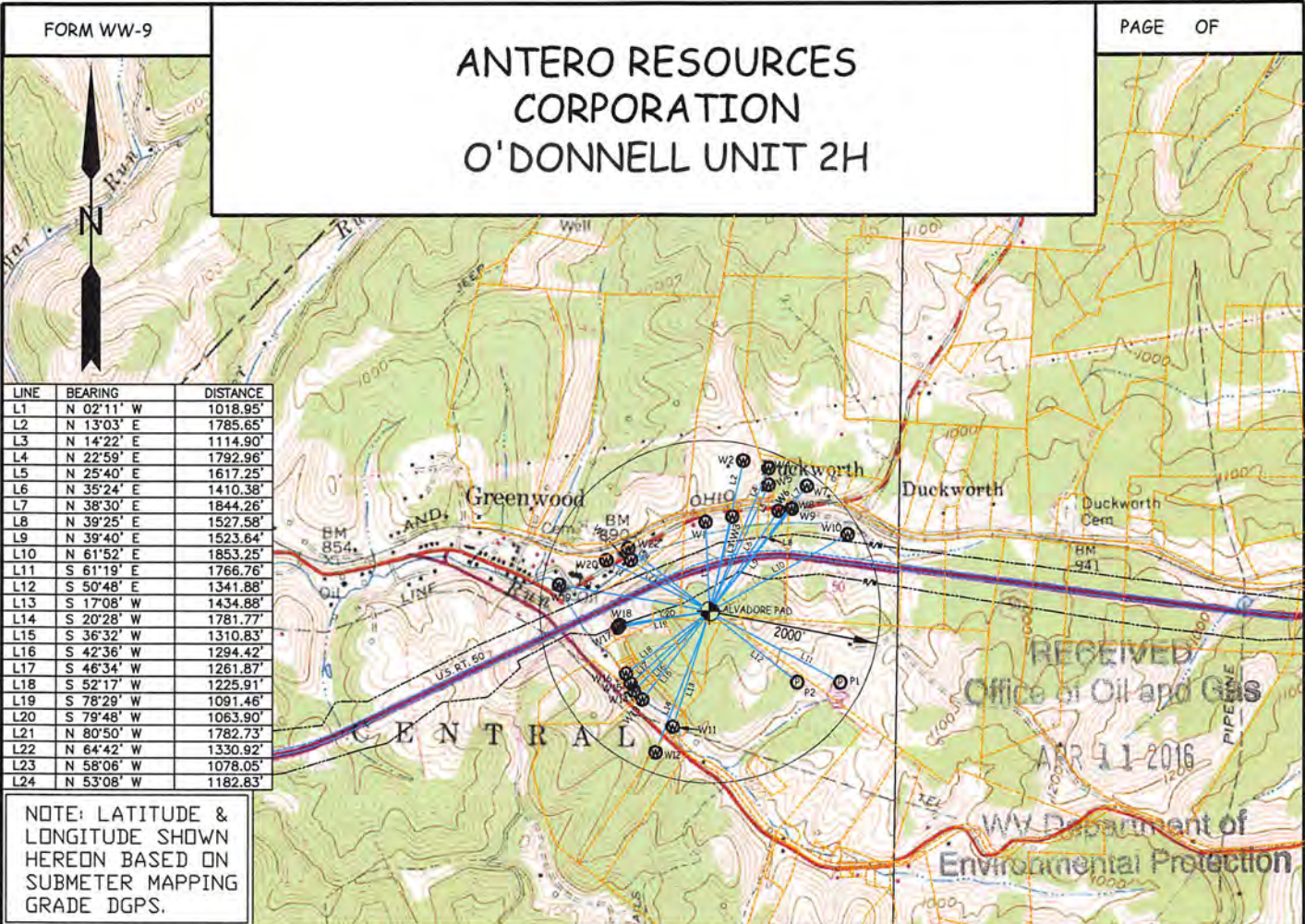
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

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

JOB # 16-002WA
 DRAWING # O'DONNELL2HR
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 DATE 04/01/16
 OPERATOR'S WELL# O'DONNELL UNIT #2H
 API WELL # 47 - 017 - 06773 H6A
 STATE COUNTY PERMIT
 DOUGLAS R. ROWE P.S. 2202
 05/27/2016



WELL	SURFACE OWNER	ADDRESS	DISTRICT-TAX MAP-PARCEL	WELL LATITUDE	WELL LONGITUDE
W1	ERIC C. FOSTER & BRYAN E. FOSTER	804 LONG RUN RD. GREENWOOD, WV 26415	1-9-22.3	39° 16' 34.25"	80° 52' 58.84"
W2	RICKY DOAK	RT 1 BOX 1016 PENNSBORO, WV 26415	1-9-01	39° 16' 41.45"	80° 52' 53.36"
W3	ERIC C. FOSTER & BRYAN E. FOSTER	804 LONG RUN RD. GREENWOOD, WV 26415	1-9-22.3	39° 16' 34.91"	80° 52' 54.84"
W4	WILLIAM. & VIRGINIA M. DOAK	PO BOX 343 WEST UNION, WV 26456	1-9-09	39° 16' 40.62"	80° 52' 49.57"
W5	RICKY DOAK	757 LONG RUN RD. PENNSBORO, WV 26415	1-9-01	39° 16' 38.71"	80° 52' 49.52"
W6	GARY L. & ALICIA G. JONES	812 LONG RUN RD. GREENWOOD, WV 26415	1-9-22.4	39° 16' 35.68"	80° 52' 47.99"
W7	CHARLES M. WALTON	15 ONWARD RD WILLIAMSTOWN, WV 26187	1-9-10.1	39° 16' 38.64"	80° 52' 43.83"
W8	FRANCIS G. WILLIAMSON ET UX	958 LONG RUN RD PENNSBORO, WV 26415	1-9-23.1	39° 16' 36.01"	80° 52' 46.05"
W9	FRANCIS G. WILLIAMSON ET UX	958 LONG RUN RD PENNSBORO, WV 26415	1-9-23.1	39° 16' 35.94"	80° 52' 46.01"
W10	FRANCIS G. WILLIAMSON ET UX	958 LONG RUN RD PENNSBORO, WV 26415	1-9-23.1	39° 16' 33.08"	80° 52' 37.54"
W11	DANIEL H. RYMER ET UX	RT 1 BOX 290 GREENWOOD, WV 26415	1-9-32.2	39° 16' 10.58"	80° 53' 03.25"
W12	JOHN D. & SANDRA J. ANKENNEY	4615 SUNNYSIDE RD PENNSBORO, WV 26415	1-9-32.1	39° 16' 07.61"	80° 53' 05.74"
W13	DALE F. & PAULETTE PIERCE	4762 SUNNYSIDE RD PENNSBORO, WV 26415	1-8-39	39° 16' 13.67"	80° 53' 07.86"
W14	TONY L. NICHOLS ET AL	194 FETTY HOLLOW SPENCER, WV 25276	1-8-30	39° 16' 14.65"	80° 53' 09.10"
W15	CHERYL A. ANKROM-TUCKER	16 ROCKET DR. PENNSBORO, WV 26415	1-8-30.1	39° 16' 15.49"	80° 53' 09.63"
W16	WANDA M. WEAVER ET AL	26 ROCKET DR GREENWOOD, WV 26415	1-8-26	39° 16' 16.64"	80° 53' 10.33"
W17	CHESTER S. & BERNA K. ANKROM	132 ROCKET DR GREENWOOD, WV 26415	1-8-31.2	39° 16' 21.88"	80° 53' 11.70"
W18	CHESTER S. & BERNA K. ANKROM	132 ROCKET DR GREENWOOD, WV 26415	1-8-31.2	39° 16' 22.18"	80° 53' 11.42"
W19	ALAN S. LLOYD	RT 1 BOX 219 WEST UNION, WV 26456	1-17-28	39° 16' 26.74"	80° 53' 20.58"
W20	WILLIAM J. & RENEE A. BRITTON	457 LONG RUN RD. GREENWOOD, WV 26415	1-17-19	39° 16' 29.64"	80° 53' 13.56"
W21	MICHAEL L. JAMES, II ET AL	1 FIRST AMERICAN WAY WESTLAKE, TX 76262	1-17-21	39° 16' 29.69"	80° 53' 09.90"
W22	WILLIAM J. & RENEE A. BRITTON	457 LONG RUN RD. GREENWOOD, WV 26415	1-17-21.1	39° 16' 31.07"	80° 53' 10.32"
P1	ROBERT HOLLAND HEIRS	225 WATCHUNG FORK WESTFIELD, NJ 7090	1-9-24	39° 16' 16.05"	80° 52' 38.28"
P2	ANTHONY R. & TABITHA J. SMITH	115 WABASH AVE. WEST UNION, WV 26456	1-9-32	39° 16' 15.97"	80° 52' 44.76"

WILLOW LAND SURVEYING, PLLC P.O. BOX 17, PENNSBORO, WV 26415 (304) 659-1717	TOPO SECTION(S) OF : WEST UNION 7.5' QUAD. & PENNSBORO 7.5' QUAD. JOB #: 16-001WA	SCALE : 1-INCH = 2000-FEET
DATE: 02/22/16	DRAWN BY: J.W.	FILE: DOAK1HWATERMAP