

LATITUDE 39°17'30"

2,218'

3,254' TO BOTTOM HOLE

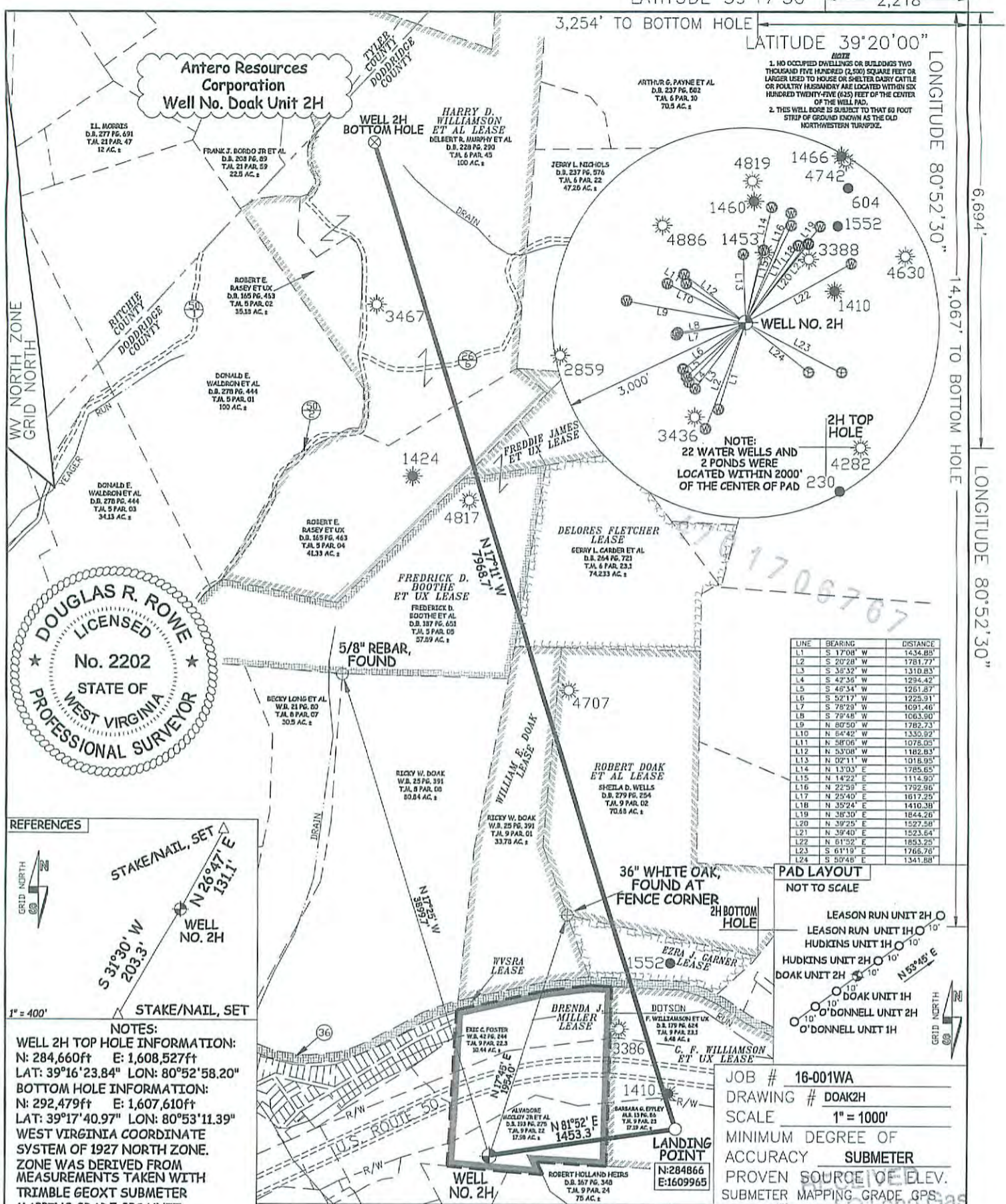
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

6,694'

14,067' TO BOTTOM HOLE

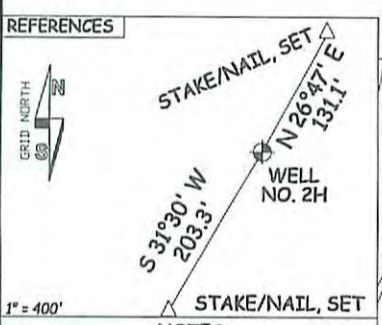
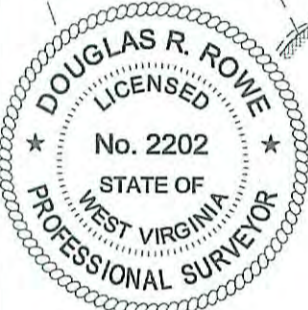
LONGITUDE 80°52'30"



1. 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.  
 2. THIS WELL PAD IS SUBJECT TO THAT 60 FOOT STRIP OF GROUND KNOWN AS THE OLD NORTHWESTERN TURNPIKE.

NOTE:  
 22 WATER WELLS AND  
 2 PONDS WERE  
 LOCATED WITHIN 2000'  
 OF THE CENTER OF PAD

LINE	BEARING	DISTANCE
L1	S 17°08' W	1434.88'
L2	S 20°28' W	1781.77'
L3	S 38°32' W	1310.83'
L4	S 42°36' W	1294.42'
L5	S 48°34' W	1261.87'
L6	S 52°17' W	1225.31'
L7	S 78°23' 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°06' W	1078.05'
L12	N 53°00' W	1162.83'
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	1792.96'
L17	N 25°40' E	1617.25'
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	1853.25'
L23	S 61°19' E	1766.76'
L24	S 50°48' E	1341.88'



NOTES:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 284,660ft E: 1,608,527ft  
 LAT: 39°16'23.84" LON: 80°52'58.20"  
 BOTTOM HOLE INFORMATION:  
 N: 292,479ft E: 1,607,610ft  
 LAT: 39°17'40.97" LON: 80°53'11.39"  
 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: 4,349,497m E: 509,802m

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

JOB # 16-001WA  
 DRAWING # DOAK2H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

DATE 01/07/16  
 OPERATOR'S WELL# DOAK UNIT #2H  
 API WELL # 47 - 017 -

STATE COUNTY PERMIT  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
 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; G.F. WILLIAMSON ET UX; WVSRA; EZRA J. GARNER; LEASE ACREAGE 39.15 ACRES; 50 ACRES; 301.19 ACRES; 11 ACRES; ROBERT DOAK ET AL; WILLIAM E. DOAK; DELORES FLETCHER; FREDRICK D. BOOTHE ET UX; FREDDIE JAMES ET UX; HARRY D. WILLIAMSON ET AL 71 ACRES; 35 ACRES; 40 ACRES; 62 ACRES; 34 ACRES; 176 ACRES; PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 15,600' 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

04/15/2016

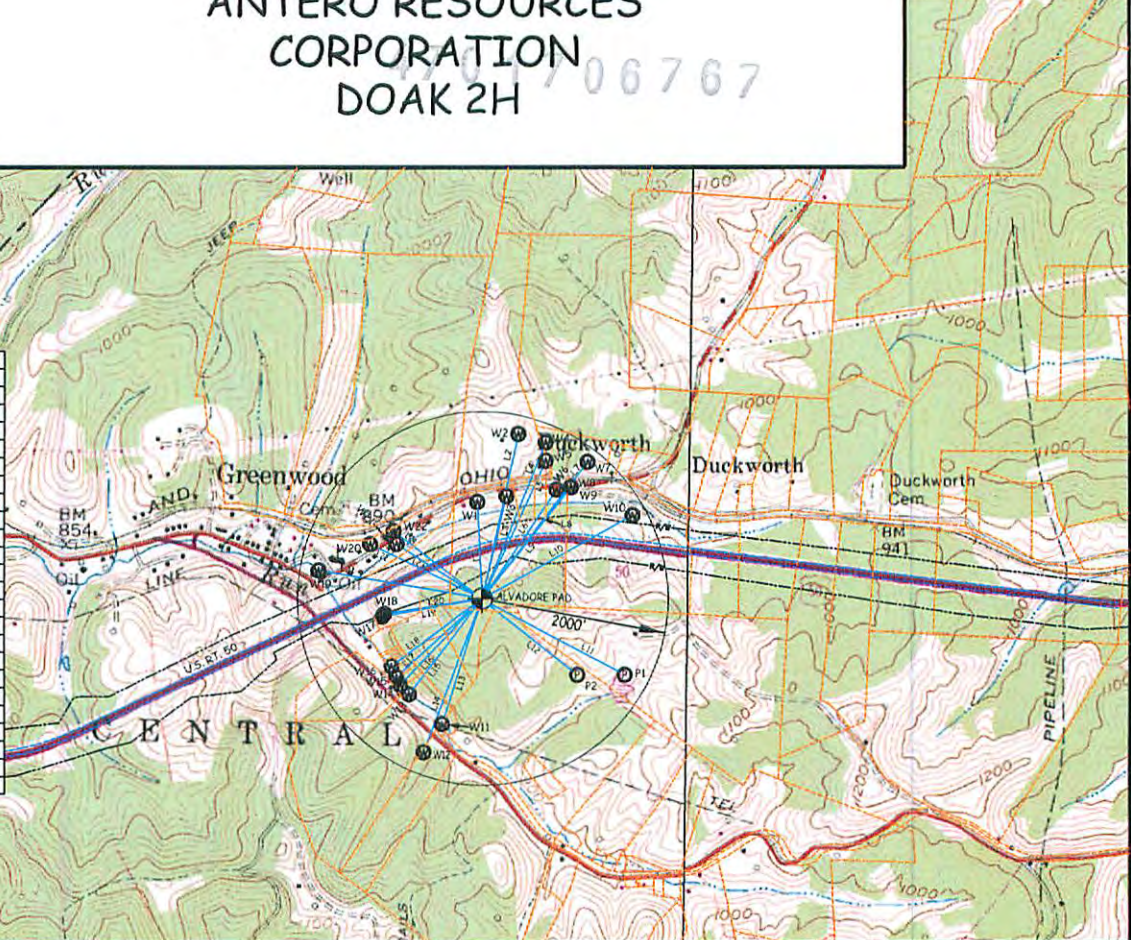
# ANTERO RESOURCES CORPORATION DOAK 2H

06767



LINE	BEARING	DISTANCE
L1	N 02'11" W	1018.95'
L2	N 13'03" E	1785.85'
L3	N 14'22" E	1114.90'
L4	N 22'59" E	1792.96'
L5	N 25'40" E	1617.25'
L6	N 35'24" E	1410.38'
L7	N 38'30" E	1844.26'
L8	N 39'25" E	1527.58'
L9	N 39'40" E	1523.64'
L10	N 61'52" E	1853.25'
L11	S 61'19" E	1766.76'
L12	S 50'48" E	1341.88'
L13	S 17'08" W	1434.88'
L14	S 20'28" W	1781.77'
L15	S 36'32" W	1310.83'
L16	S 42'36" W	1294.42'
L17	S 46'34" W	1261.87'
L18	S 52'17" W	1225.91'
L19	S 78'29" W	1091.46'
L20	S 79'48" W	1063.90'
L21	N 80'50" W	1782.73'
L22	N 64'42" W	1330.92'
L23	N 58'06" W	1078.05'
L24	N 53'08" W	1182.83'

NOTE: LATITUDE & LONGITUDE SHOWN HEREON BASED ON SUBMETER MAPPING GRADE DGPS.



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 J. & 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. ANKENY	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