

LATITUDE 39°20'00"

5,607'

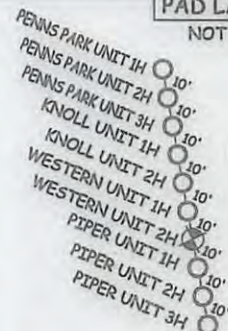
LATITUDE 39°17'30"

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 2H TOP HOLE INFORMATION:
 N: 14,270,731ft E: 1,646,600ft
 POINT OF ENTRY INFORMATION:
 N: 14,270,464ft E: 1,646,710ft
 BOTTOM HOLE INFORMATION:
 N: 14,267,476ft E: 1,647,918ft

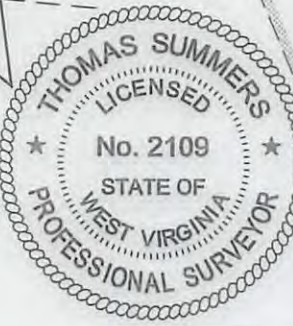
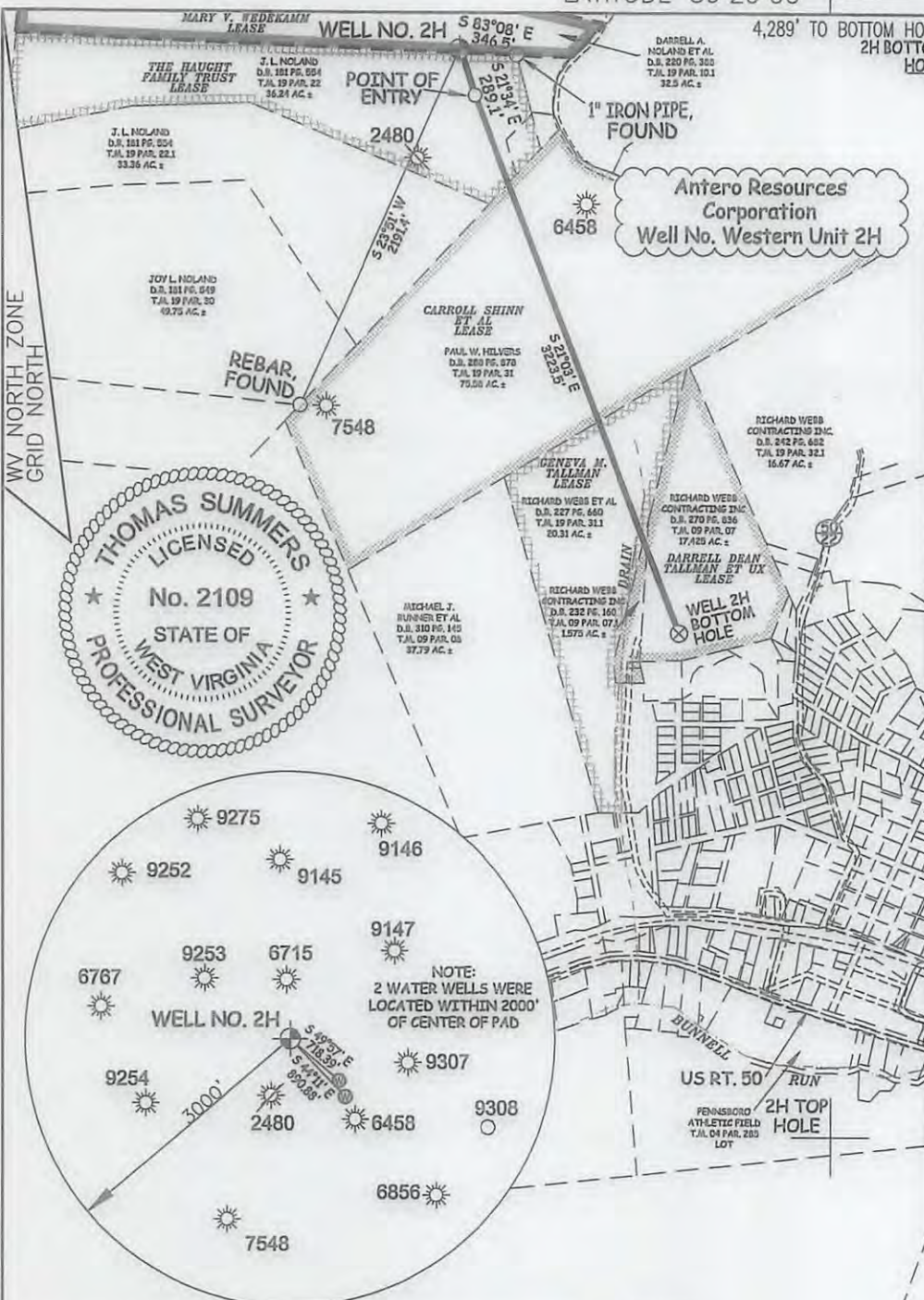
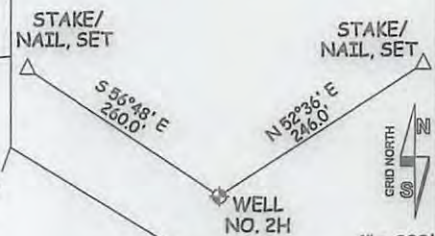
NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 294,381ft E: 1,581,700ft
 LAT: 39°17'55.69" LON: 80°58'41.32"
 BOTTOM HOLE INFORMATION:
 N: 291,104ft E: 1,582,964ft
 LAT: 39°17'23.50" LON: 80°58'24.56"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,349,945m E: 1,501,899m
 BOTTOM HOLE INFORMATION:
 N: 4,348,953m E: 502,301m

PAD LAYOUT
 NOT TO SCALE



REFERENCES



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

47 - **085** - 10294 HGA
 STATE COUNTY PERMIT

JOB # 16-022WA
 DRAWING # WESTERN2Hshorty
 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

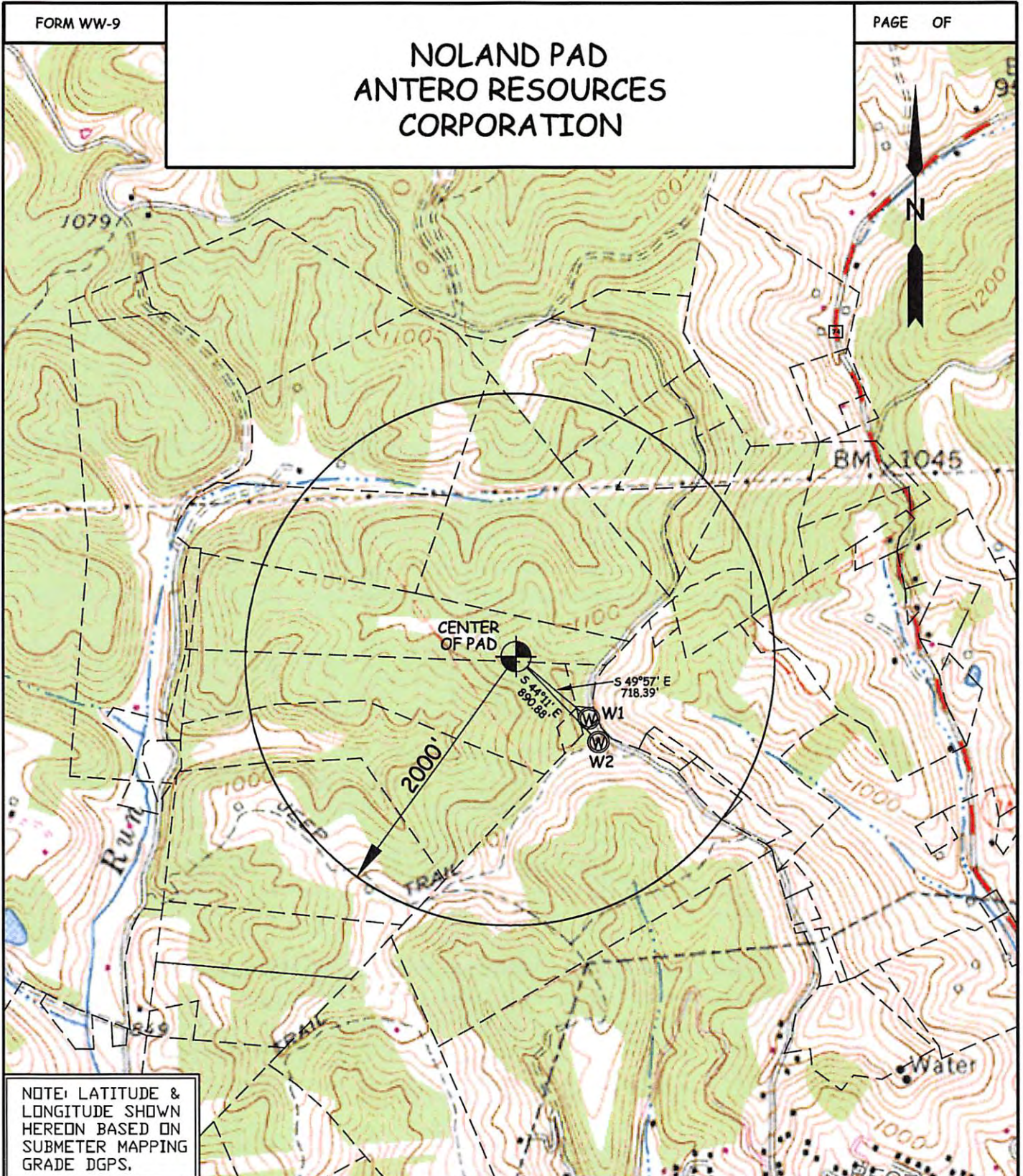
LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 Found monument, as noted
 THOMAS SUMMERS P.S. 2109
 DATE 05/11/16
 OPERATOR'S WELL# WESTERN UNIT #2H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,159' ORIGINAL - 1,143' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER DARRELL A. NOLAND ET AL ACREAGE 32.5 ACRES +/-
 OIL & GAS ROYALTY OWNER MARY V. WEDEKAMM; THE HAUGHT FAMILY TRUST LEASE ACREAGE 32.5 AC.±; 32 AC.±;
 CARROLL SHINN ET AL; GENEVA M. TALLMAN; DARRELL DEAN TALLMAN ET UX 76 AC.±; 20.3 AC.±; 18.87 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 CLEAN OUT & REPLUG
 ESTIMATED DEPTH 6,800' TVD 10,700' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

09/02/2016

85-10294

NOLAND PAD ANTERO RESOURCES CORPORATION



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

WELL	SURFACE OWNER	ADDRESS	DISTRICT-TAX MAP-PARCEL	WELL LATITUDE	WELL LONGITUDE
W1	MICHAEL G. & LINDA HAMMETT	702 PARK DR. PENNSBORO, WV 26415	3-19-23	39° 17' 51.31"	80° 58' 34.57"
W2	PAUL W. HILVERS	12479 PULLMAN RD PENNSBORO, WV 26415	3-19-31	39° 17' 49.58"	80° 58' 33.63"

WILLOW LAND SURVEYING, PLLC
P.O. BOX 17, PENNSBORO, WV 26415
(304) 659-1717

TOPO SECTION(S) OF:
PENNSBORO 7.5' QUAD.
JOB #: 13-043WA
FILE: NOLANDWATERMAP

SCALE: 1-INCH = 1000- FEET

0' 1000' 2000' 3000'

MAY 2016

Environmental

DATE: 03/11/14

DRAWN BY: G.B.K.

09/02/2016