

LATITUDE 39°20'00"

5,615'

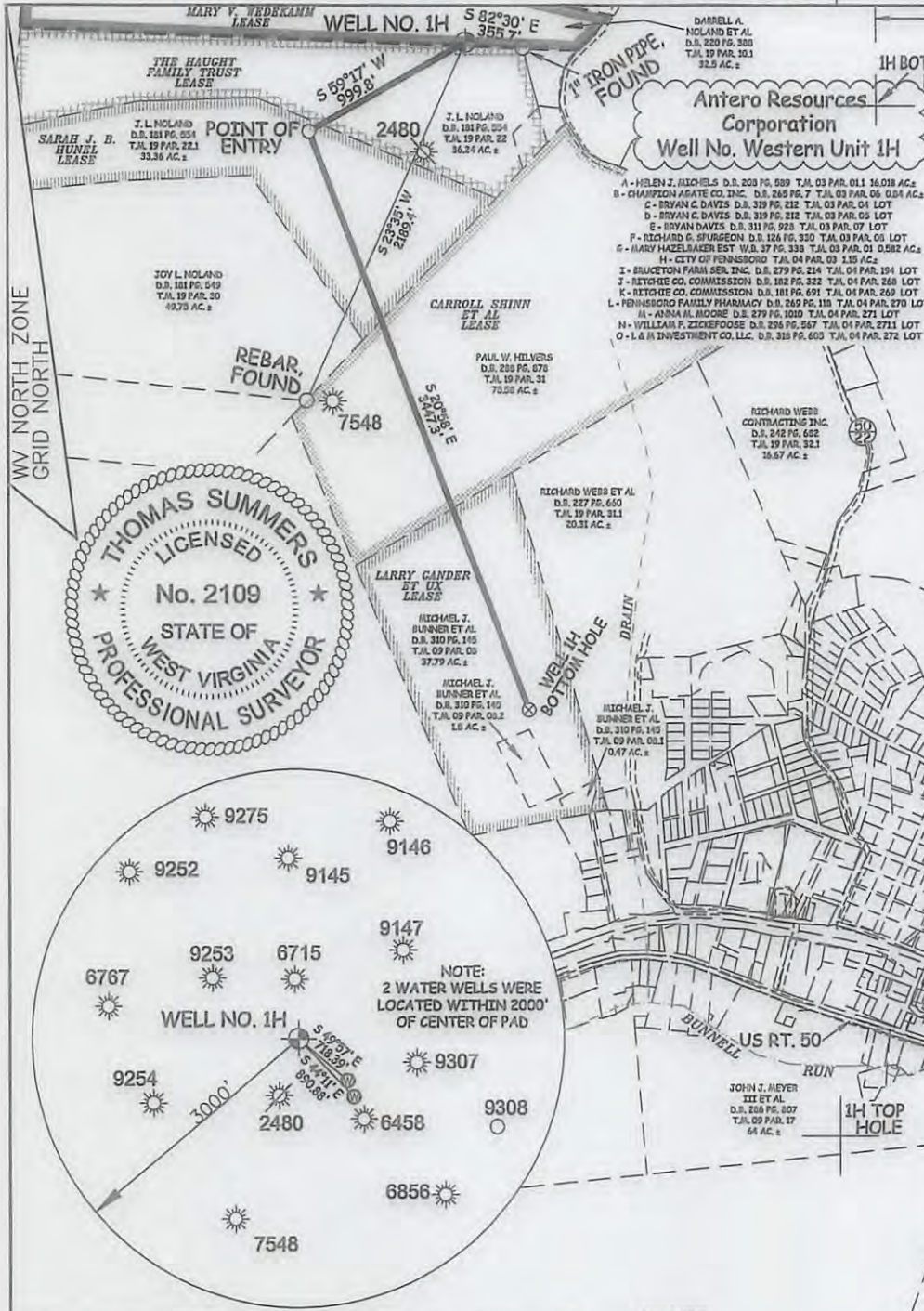
5,181' TO BOTTOM HOLE
LATITUDE 39°17'30"

1,120' TO BOTTOM HOLE
LONGITUDE 80°57'30"

12,573

LONGITUDE 80°57'30"

COUNTY NAME PERMIT

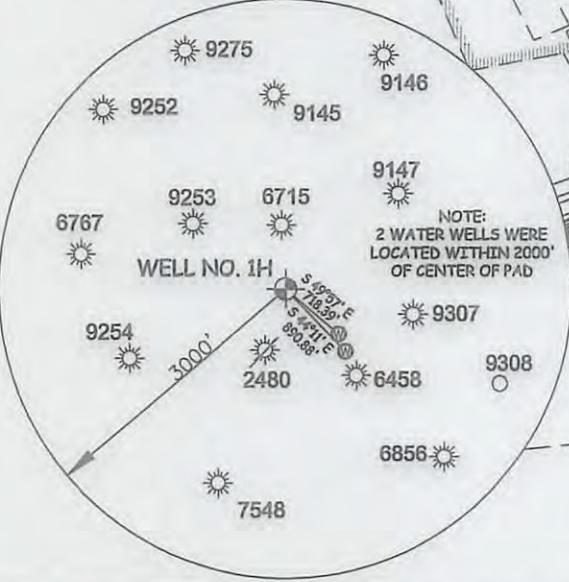
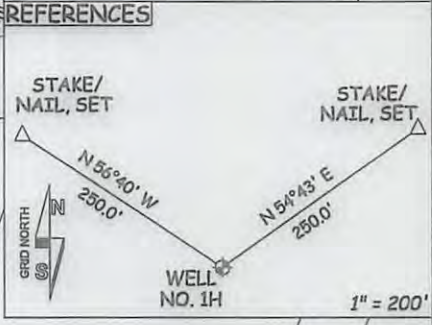


Antero Resources Corporation
Well No. Western Unit 1H

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,270,735ft E: 1,646,591ft
POINT OF ENTRY INFORMATION:
N: 14,270,211ft E: 1,645,740ft
BOTTOM HOLE INFORMATION:
N: 14,267,014ft E: 1,647,027ft

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 294,386ft E: 1,581,691ft
LAT: 39°17'55.73" LON: 80°58'41.43"
BOTTOM HOLE INFORMATION:
N: 290,656ft E: 1,582,065ft
LAT: 39°17'18.93" LON: 80°58'35.90"
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: 4,349,946m E: 501,896m
BOTTOM HOLE INFORMATION:
N: 4,348,812m E: 502,029m



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 - 10293 WVA
STATE COUNTY PERMIT

JOB # 16-022WA
DRAWING # WESTERN1HSHORTY
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 +/-
- Existing Fence
- Found monument, as noted

THOMAS SUMMERS P.S. 2109
DATE 05/11/16
OPERATOR'S WELL# WESTERN UNIT #1H

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; SARAH J. B. HUNEL; CARROLL SHINN ET AL; LARRY GANDER ET UX LEASE ACREAGE 32.5 AC.±; 32 AC.±; 33.36 AC.±; 76 AC.±; 40 AC.±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 11,200' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

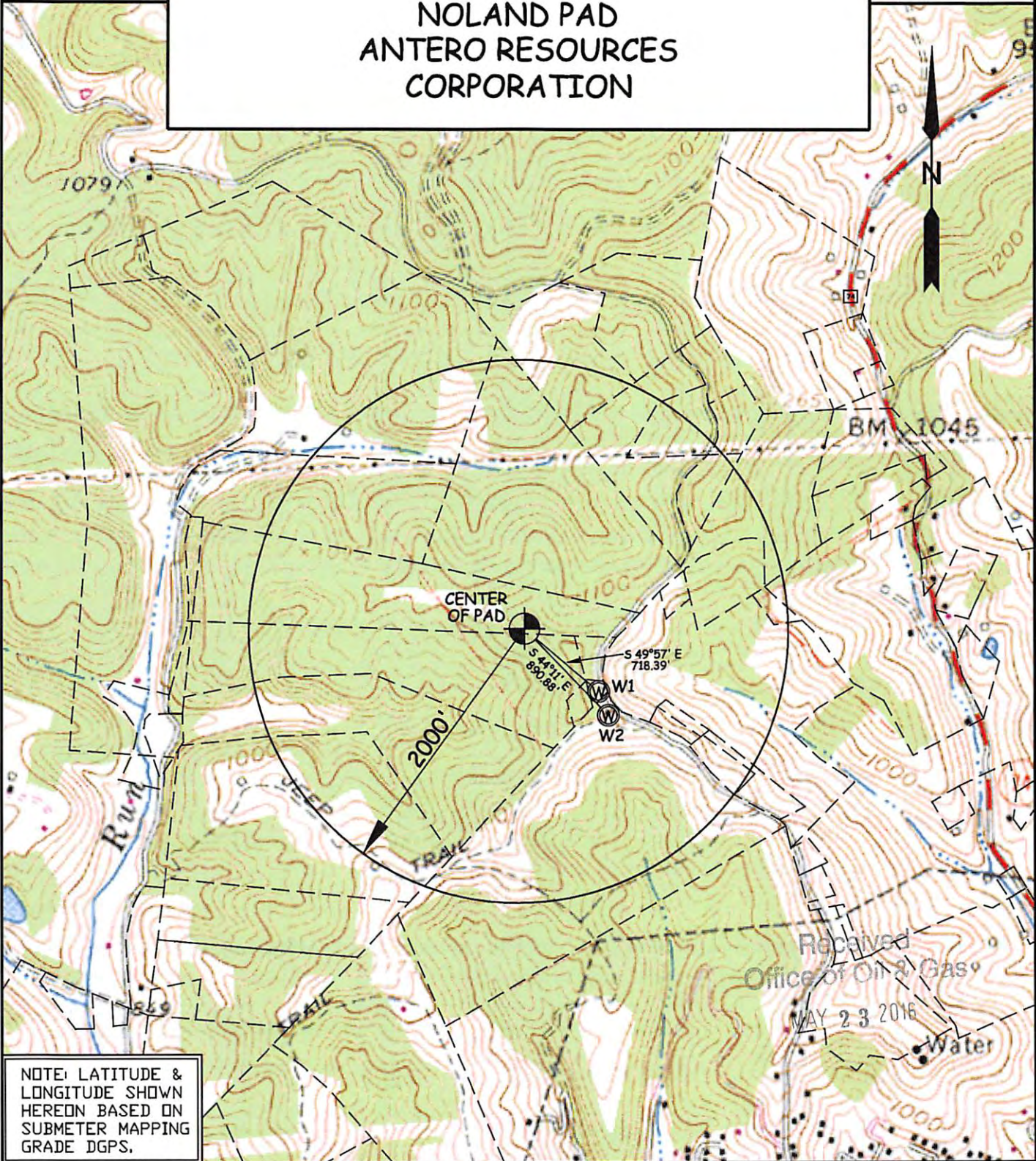
09/02/2016

85-10293

FORM WW-9

PAGE OF

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.

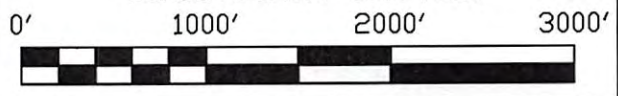
JOB #: 13-043WA

FILE: NOLANDWATERMAP

DATE: 03/11/14

DRAWN BY: G.B.K.

SCALE : 1-INCH = 1000-FEET



09/02/2016