

LATITUDE 39°20'00" 2,966'
6,170' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°50'00"

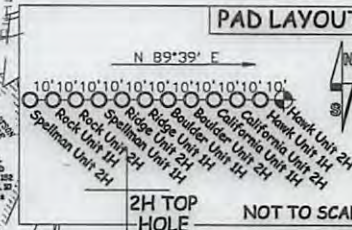
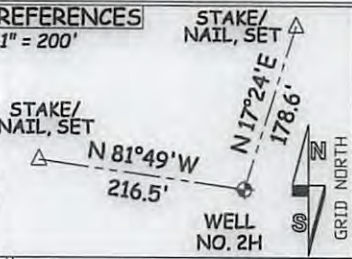
1,309' TO BOTTOM HOLE

LONGITUDE 80°50'00"

**Antero Resources Corporation
Well No. Hawk Unit 2H**

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 295,052ft E: 1,619,730ft
LAT: 39°18'08.22" LON: 80°50'37.72"
BOTTOM HOLE INFORMATION:
N: 308,368ft E: 1,616,723ft
LAT: 39°20'19.37" LON: 80°51'18.53"
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: 4,350,343m E: 513,481m
BOTTOM HOLE INFORMATION:
N: 4,354,384m E: 512,498m

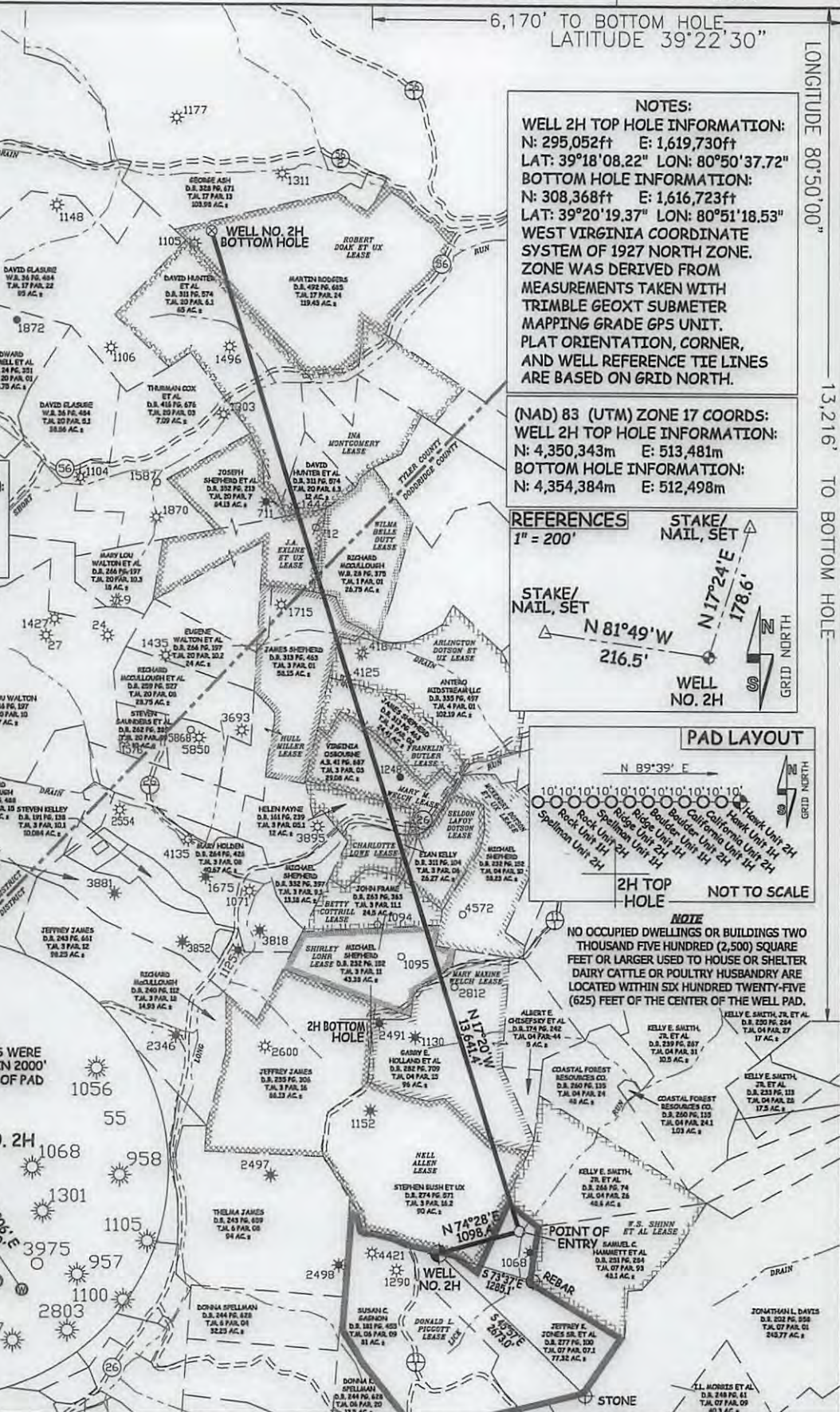


NOTE
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,272,036ft E: 1,684,600ft
POINT OF ENTRY INFORMATION:
N: 14,272,347ft E: 1,685,653ft
BOTTOM HOLE INFORMATION:
N: 14,285,295ft E: 1,681,372ft



NOTE:
4 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD



JOB # 16-059WA
DRAWING # HAWK2HR
SCALE 1" = 2000'

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

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW X

LOCATION: ELEVATION 1,135' PROPOSED - 1,160' ORIGINAL
QUADRANGLE WEST UNION 7.5'

SURFACE OWNER JEFFREY K. JONES SR. ET AL
OIL & GAS ROYALTY OWNER DONALD L. PIGGOTT; NELL ALLEN; W.S. SHINN ET AL;
MARY MARINE WELCH; SHIRLEY LOHR; BETTY COTTRILL; SELDON LAFAY DOTSON; CHARLOTTE LOWE; MARY M. WELCH; FRANKLIN BUTLER; ARLINGTON DOTSON ET UX;
HULL MILLER; WILMA BELLE DUTY; J.A. EXLINE ET UX; INA MONTGOMERY; ROBERT DOAK ET UX

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
WELL OPERATOR ANTERO RESOURCES CORP.
ADDRESS 1615 WYNKOOP STREET

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 PRESCRIBED 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 - x - x - Existing Fence
⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

DATE 11/29/16
OPERATOR'S WELL# HAWK UNIT #2H

API WELL # 47 - 017 - 06795 HAWK

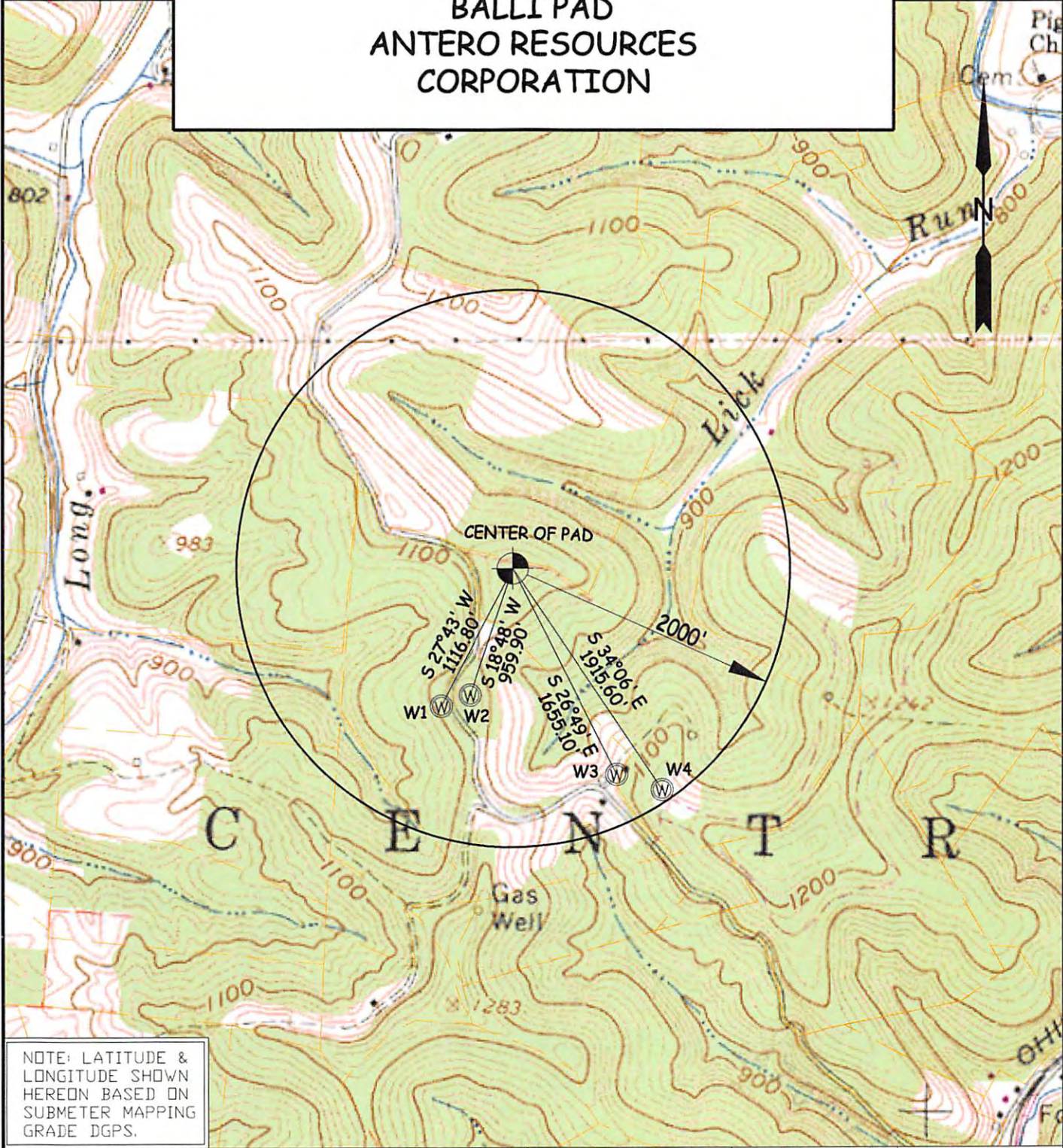
STATE COUNTY PERMIT
DISTRICT CENTRAL COUNTY DODDRIDGE

ACREAGE 77.32 ACRES +/-
LEASE ACREAGE 81 AC±; 176 AC±; 84.59 AC±;
96 AC±; 36.38 AC±; 24.5 AC±; 27 AC±; 24.5 AC±; 29.08 AC±; 24.5 AC±; 68 AC±;
53.8 AC±; 50 AC±; 60 AC±; 142.25 AC±; 123 AC±

ESTIMATED DEPTH 6,800' TVD 21,080' MD
DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

02/10/2017

BALLI 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	SUSAN C. GAGNON	1210 Ramsey Ridge Rd West Union, WV 26456	1-6-9	39° 17' 59.48"	80° 50' 41.57"
W2	SUSAN C. GAGNON	1210 Ramsey Ridge Rd West Union, WV 26456	1-6-9	39° 17' 58.66"	80° 50' 44.23"
W3	SUSAN C. GAGNON	1210 Ramsey Ridge Rd West Union, WV 26456	1-6-9	39° 17' 54.02"	80° 50' 28.03"
W4	JEFFREY JONES SR. ET UX	888 Ramsey Ridge Rd West Union, WV 26456	1-7-7.1	39° 17' 52.99"	80° 50' 23.85"

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 #: 14-084WA

FILE: BALLI PAD WATERMAP

Received
Office of Oil & Gas

SCALE : 1-INCH = 1000-FEET

2000' 3000'

DATE: 12/02/16

DRAWN BY: T.B.S.