

LATITUDE 39°17'30"

11,218'

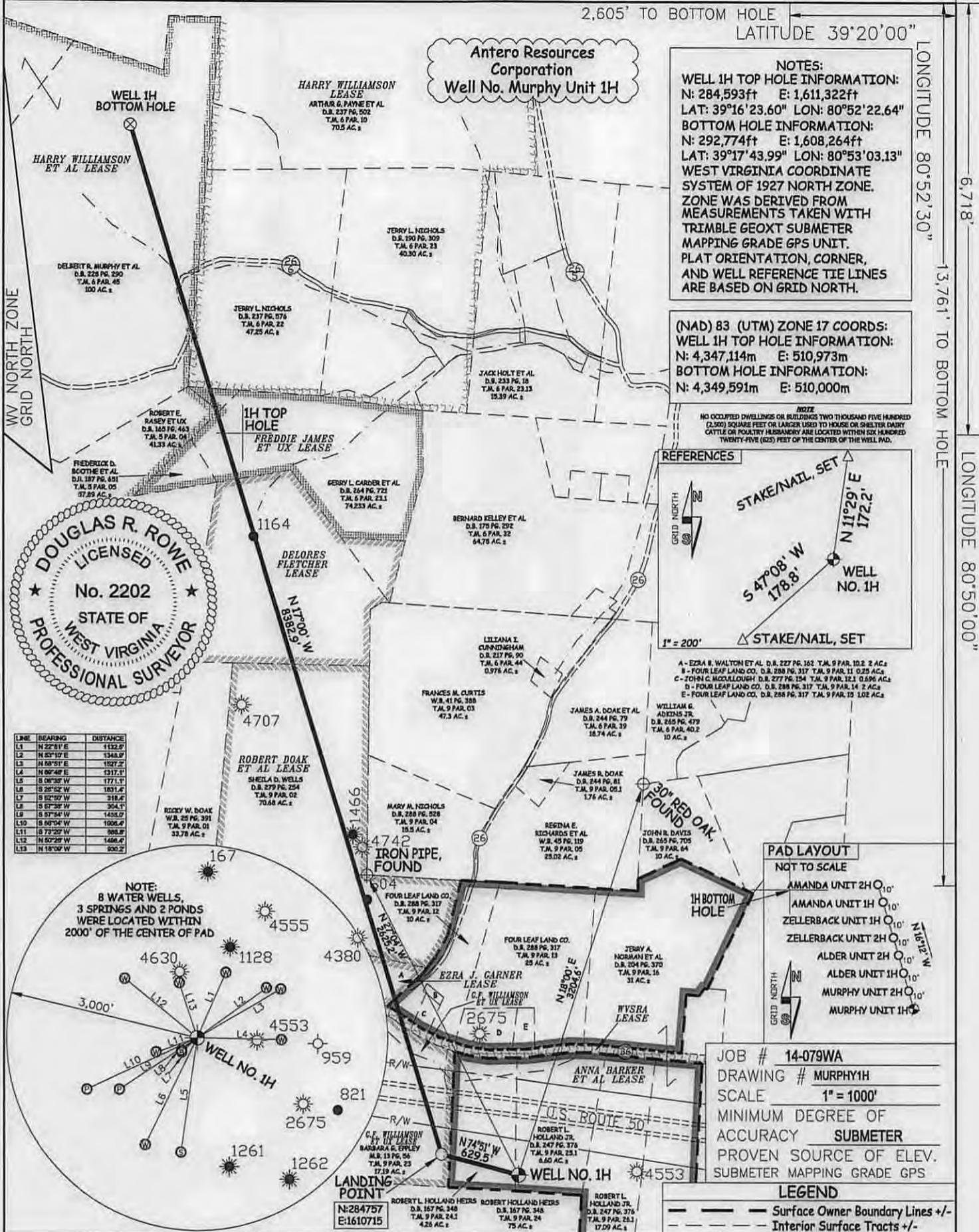
2,605' TO BOTTOM HOLE

LATITUDE 39°20'00"

6,718'

13,761' TO BOTTOM HOLE

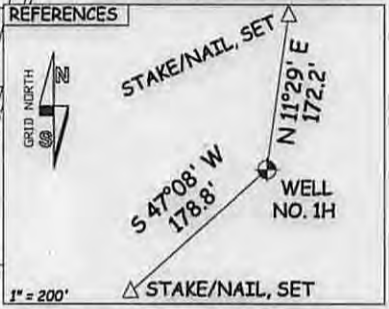
LONGITUDE 80°50'00"



NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 284,593ft E: 1,611,322ft
 LAT: 39°16'23.60" LON: 80°52'22.64"
BOTTOM HOLE INFORMATION:
 N: 292,774ft E: 1,608,264ft
 LAT: 39°17'43.99" LON: 80°53'03.13"
 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.

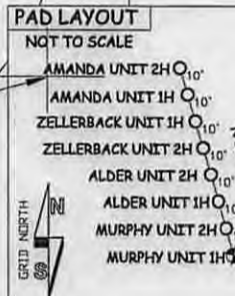
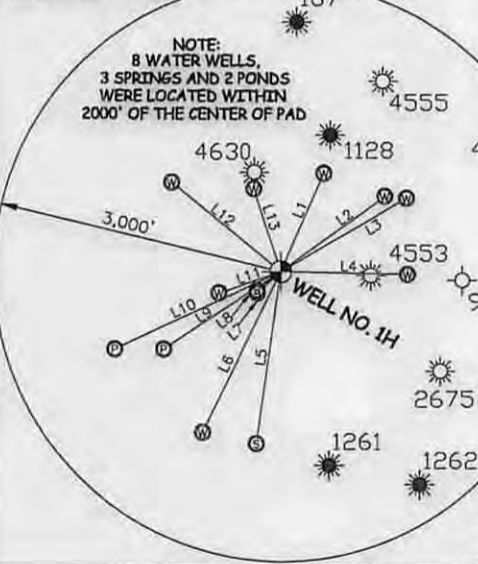
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,347,114m E: 510,973m
BOTTOM HOLE INFORMATION:
 N: 4,349,591m E: 510,000m

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.



A - EZRA R. WALTON ET AL. D.B. 227 PG. 162 T.M. 9 PAR. 102.2 AC.
 B - FOUR LEAF LAND CO. D.B. 288 PG. 317 T.M. 9 PAR. 11 0.25 AC.
 C - JOHN C. MCCULLOUGH D.B. 277 PG. 154 T.M. 9 PAR. 12.1 0.896 AC.
 D - FOUR LEAF LAND CO. D.B. 288 PG. 317 T.M. 9 PAR. 14 2 AC.
 E - FOUR LEAF LAND CO. D.B. 288 PG. 317 T.M. 9 PAR. 15 1.02 AC.

LINE	BEARING	DISTANCE
L1	N 22°47' E	1132.9'
L2	N 82°10' E	1344.2'
L3	N 88°51' E	1527.2'
L4	N 86°48' E	1317.1'
L5	S 08°38' W	1771.1'
L6	S 28°42' W	1851.4'
L7	S 82°58' W	318.6'
L8	S 67°38' W	364.1'
L9	S 57°54' W	1436.0'
L10	S 87°04' W	1008.4'
L11	S 73°28' W	888.2'
L12	N 82°28' W	1468.2'
L13	N 18°08' W	800.2'



JOB # 14-079WA
 DRAWING # MURPHY1H
 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

*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

DOUGLAS R. ROWE P.S. 2202

DATE 09/25/14

OPERATOR'S WELL# MURPHY UNIT #1H

API WELL # 47 - 017

STATE COUNTY PERMIT

QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER ROBERT L. HOLLAND JR. ACREAGE 6.60 ACRES +/-

OIL & GAS ROYALTY OWNER ANNA BARKER ET AL; G.F. WILLIAMSON ET UX; WVSRA; EZRA J. GARNER; ROBERT DOAK ET AL; DELORES FLETCHER; FREDDIE JAMES ET UX; HARRY WILLIAMSON ET AL; HARRY WILLIAMSON LEASE ACREAGE 127 ACRES +/-; 50 ACRES +/-; 301.19 ACRES +/-; 11 ACRES +/-; 71 ACRES +/-; 40 ACRES +/-; 34 ACRES +/-; 176 ACRES +/-; 166 ACRES +/-

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER 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 6,800' TVD 17,400' MD

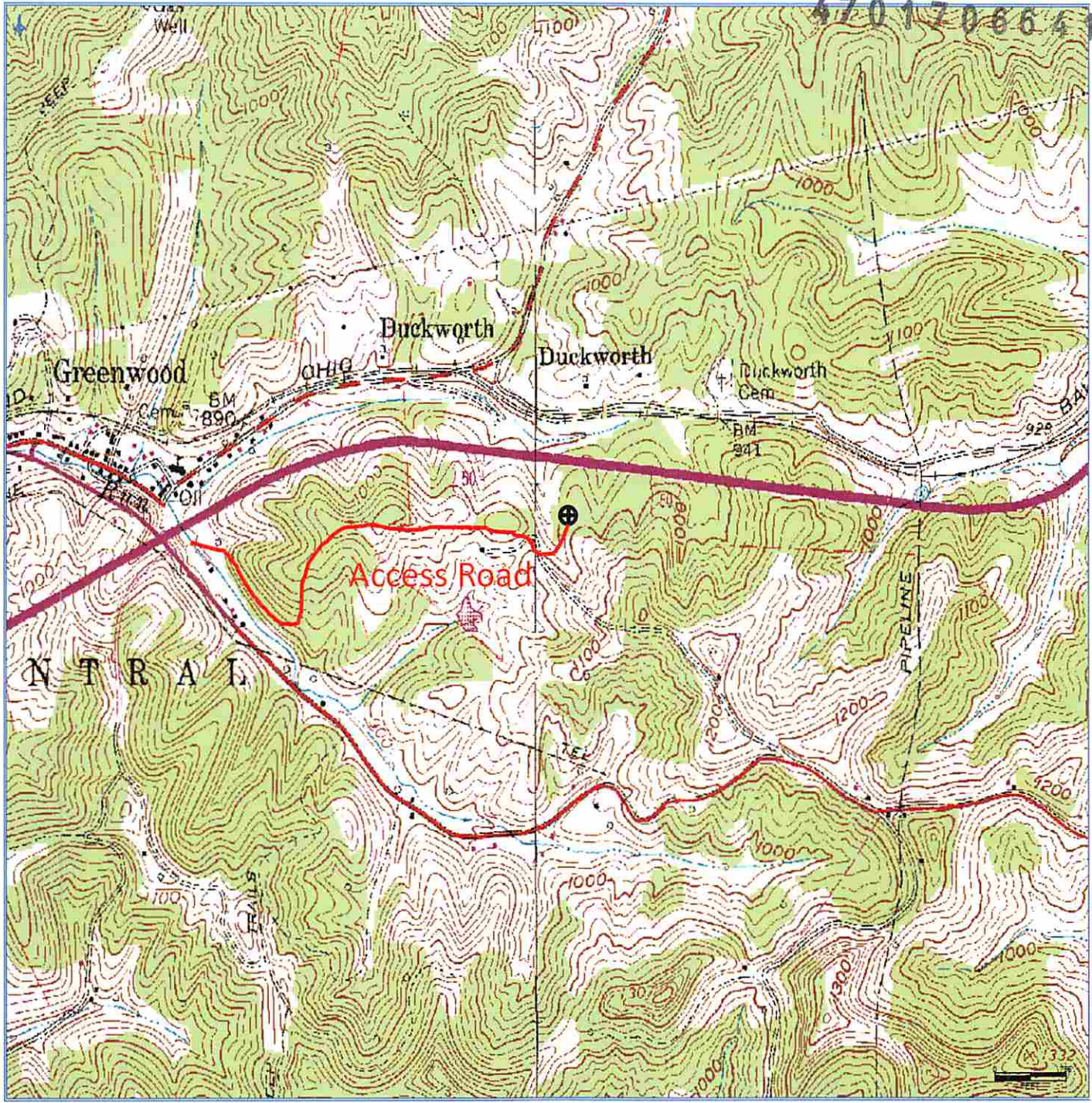
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER

ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM

FORM WW-6 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

01/16/2015

470170664



**Antero Resources
Corporation**
Appalachian Basin
Murphy Unit 1H
Doddridge County

Quadrangle: West Union
Watershed: Wilhelm Run
District: Central
Date: 10-17-2013