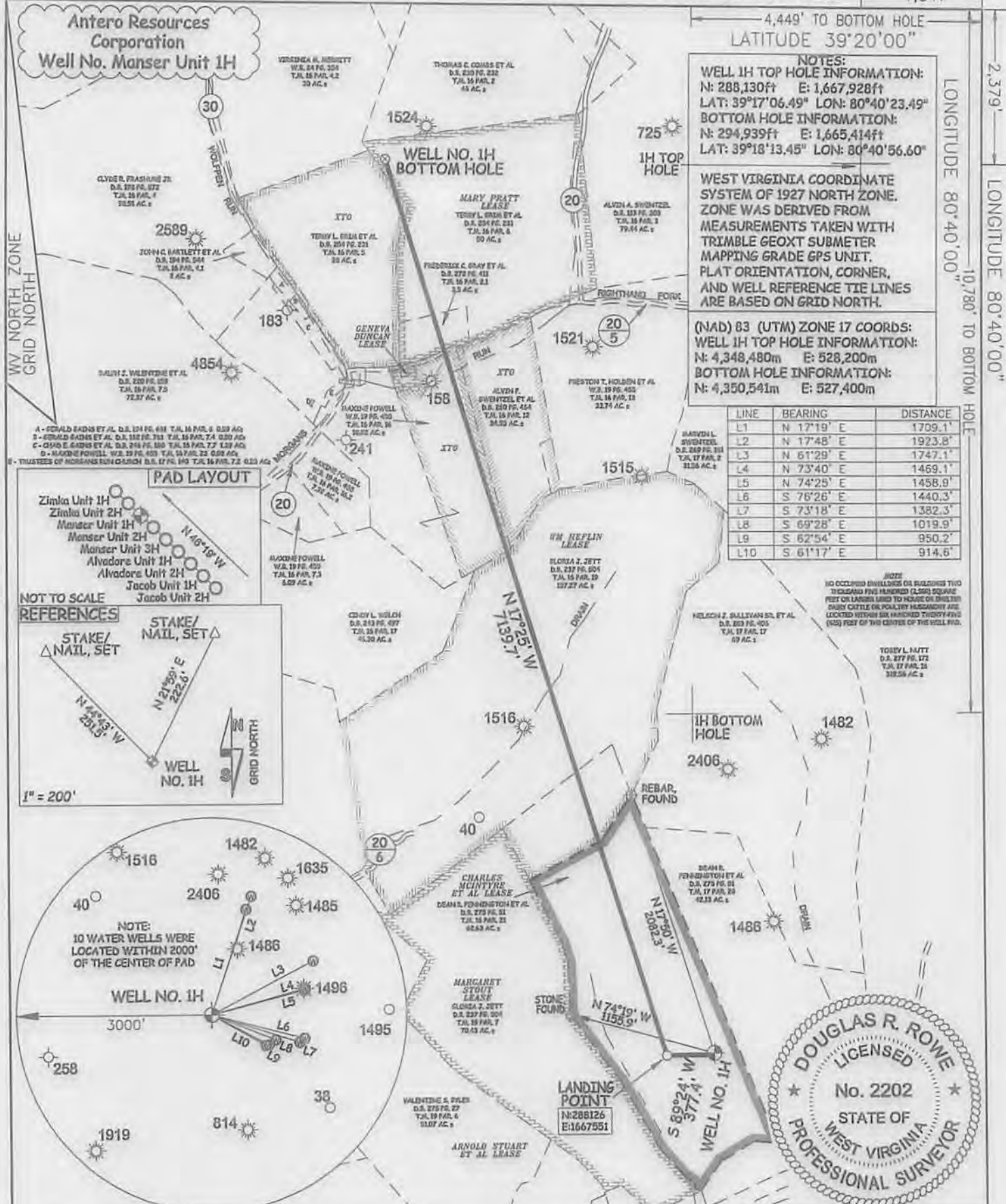


LATITUDE 39°17'30" 1,847'

4,449' TO BOTTOM HOLE
LATITUDE 39°20'00"

2,379'
LONGITUDE 80°40'00"
10,780' TO BOTTOM HOLE
LONGITUDE 80°40'00"



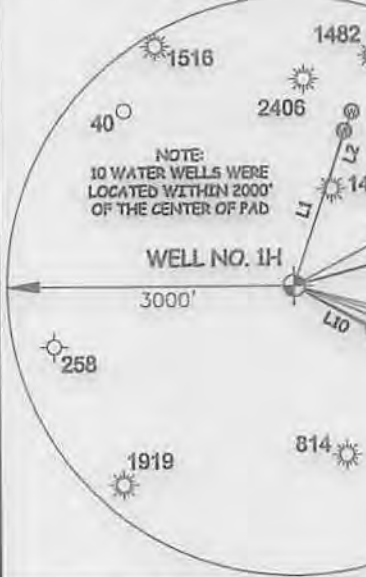
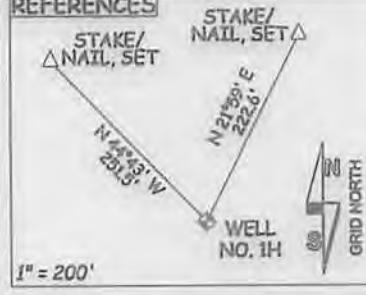
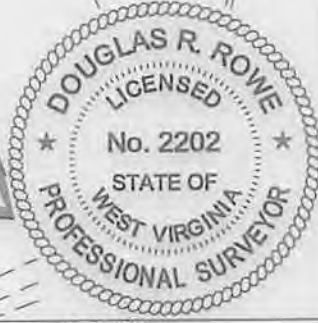
NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 288,130ft E: 1,667,928ft
 LAT: 39°17'06.49" LON: 80°40'23.49"
BOTTOM HOLE INFORMATION:
 N: 294,939ft E: 1,665,414ft
 LAT: 39°18'13.45" LON: 80°40'56.60"

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: 4,348,480m E: 528,200m
BOTTOM HOLE INFORMATION:
 N: 4,350,541m E: 527,400m

LINE	BEARING	DISTANCE
L1	N 17°19' E	1709.1'
L2	N 17°48' E	1923.8'
L3	N 61°29' E	1747.1'
L4	N 73°40' E	1469.1'
L5	N 74°25' E	1458.9'
L6	S 76°26' E	1440.3'
L7	S 73°18' E	1382.3'
L8	S 69°28' E	1019.9'
L9	S 62°54' E	950.2'
L10	S 61°17' E	914.6'

NOTE:
 NO OCCUPIED BUILDINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2500) SQUARE FEET OR LARGER LIND TO HOUSE OR SHED OR DAIRY CATTLE OR PASTURE HARDWARE ARE LOCATED WITHIN SIX HUNDRED THIRTY-FIVE (635) FEET OF THE CENTER OF THE WELL PAD.



JOB # 13-092WA
 DRAWING # MANSER1HRI
 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
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,141' WATERSHED BUCKEYE CREEK
 QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER DEAN R. PENNINGTON ET AL ACREAGE 62.83 ACRES +/-
 OIL & GAS ROYALTY OWNER CHARLES MCINTYRE ET AL; WM HEFLIN; XTO; MARY PRATT; XTO LEASE ACREAGE 70 ACRES +/-; 120.6 ACRES +/-; 16 ACRES +/-; 54 ACRES +/-; 28 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 7,200' TVD 16,300' MD

WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM
 DENVER, CO 80202 CHARLESTON, WV 25313

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

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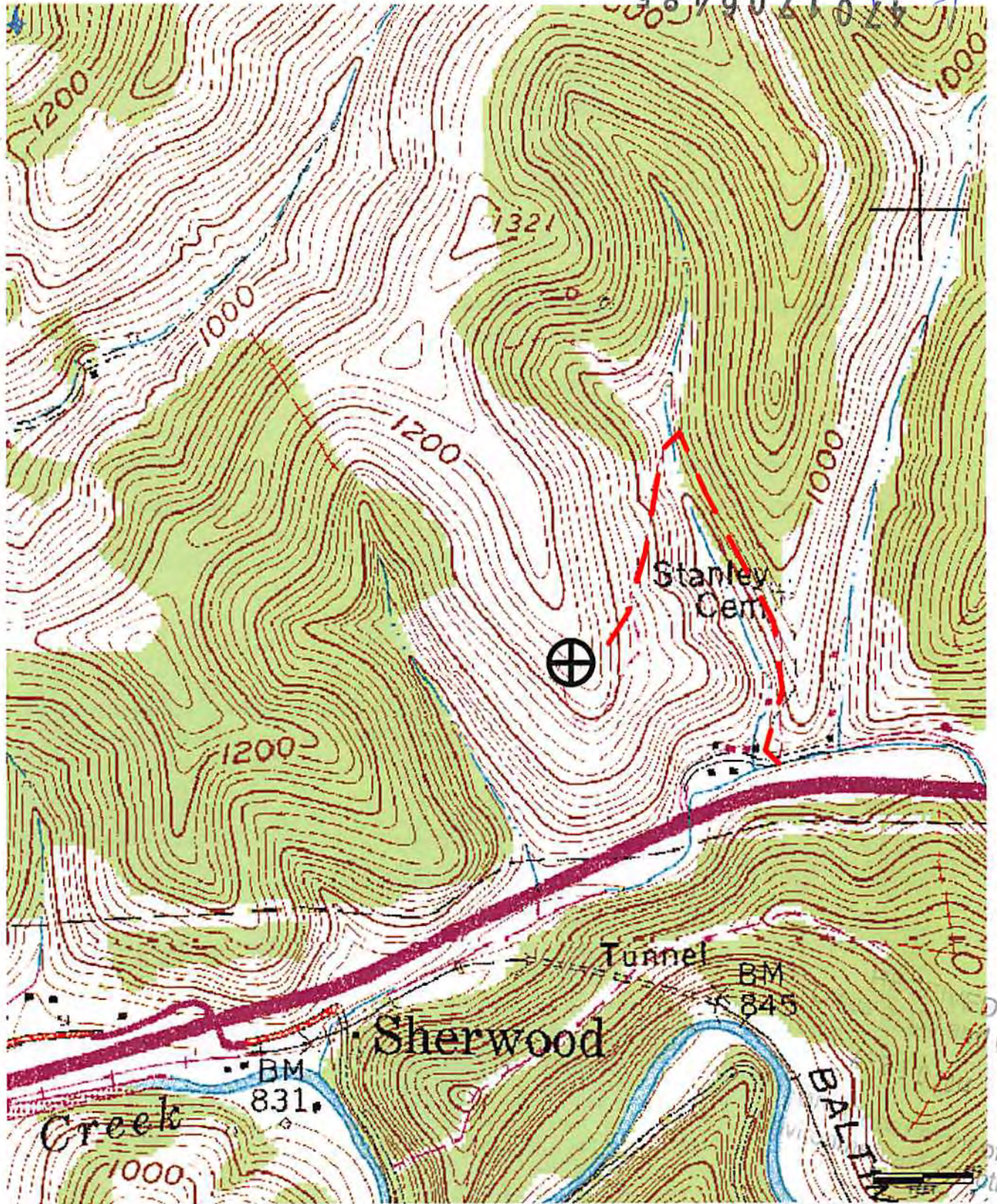
LEGEND

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

DOUGLAS R. ROWE P.S. 2202

DATE 04/03/14
 OPERATOR'S WELL# MANSER UNIT #1H
 API WELL # 47 - 017 - 06485 H6A
 STATE COUNTY PERMIT

5879011074 Plat spotted



Antero Resources Corporation
Appalachian Basin
Manser Unit 1H
Dodridge County

Quadrangle: Smithburg
Watershed: Morgans Run and Buckeye Creek
Watersheds
District: Grant
Date: 10/17/13