

LATITUDE 39°15'00" | 1,316'

6,815' TO BOTTOM HOLE
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,810'

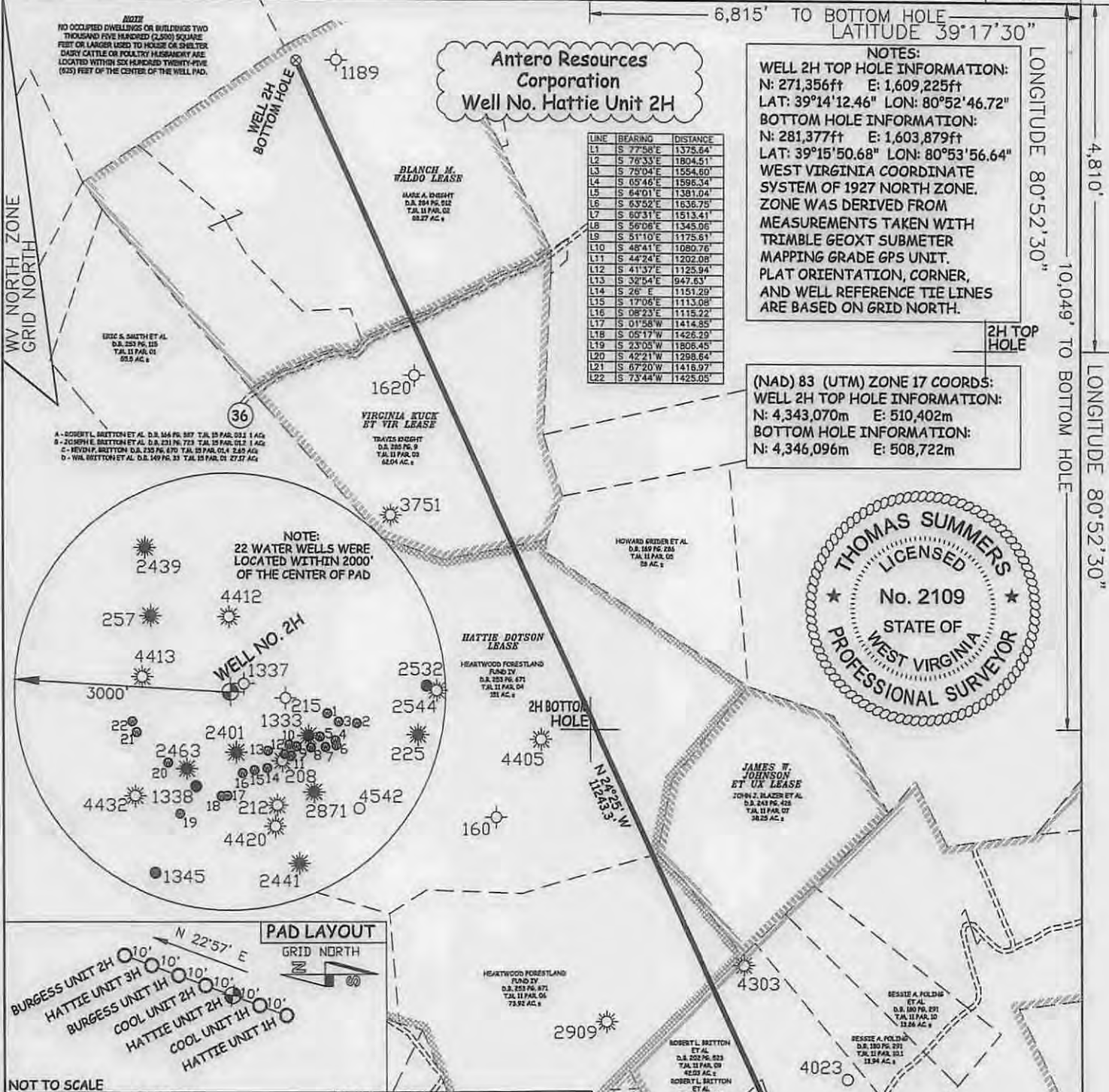
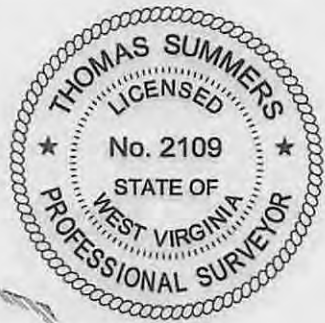
10,049' TO BOTTOM HOLE

LONGITUDE 80°52'30"

NOTES:
 WELL 2H TOP HOLE INFORMATION:
 N: 271,356ft E: 1,609,225ft
 LAT: 39°14'12.46" LON: 80°52'46.72"
 BOTTOM HOLE INFORMATION:
 N: 281,377ft E: 1,603,879ft
 LAT: 39°15'50.68" LON: 80°53'56.64"
 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: 4,343,070m E: 510,402m
 BOTTOM HOLE INFORMATION:
 N: 4,346,096m E: 508,722m

LINE	BEARING	DISTANCE
L1	S 77°58' E	1375.64'
L2	S 76°33' E	1804.51'
L3	S 75°04' E	1584.60'
L4	S 65°46' E	1598.34'
L5	S 64°01' E	1381.04'
L6	S 63°52' E	1636.75'
L7	S 60°31' E	1513.41'
L8	S 56°06' E	1345.06'
L9	S 51°10' E	1175.81'
L10	S 45°41' E	1080.76'
L11	S 44°24' E	1202.08'
L12	S 41°37' E	1125.94'
L13	S 32°54' E	947.63'
L14	S 26° E	1151.29'
L15	S 17°06' E	1113.08'
L16	S 08°23' E	1115.22'
L17	S 01°58' W	1414.85'
L18	S 05°17' W	1426.29'
L19	S 23°05' W	1808.45'
L20	S 42°21' W	1298.84'
L21	S 67°20' W	1416.97'
L22	S 73°44' W	1425.05'



PAD LAYOUT
 GRID NORTH
 N 22°57' E

BURGESS UNIT 2H
 HATTIE UNIT 3H
 BURGESS UNIT 1H
 COOL UNIT 2H
 HATTIE UNIT 2H
 COOL UNIT 1H
 HATTIE UNIT 1H

NOT TO SCALE

LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Iron Pipe, Found

THOMAS SUMMERS P.S. 2109
 DATE 04/13/15
 OPERATOR'S WELL# HATTIE UNIT #2H
 API WELL # 47 - 017 - 06736
 STATE COUNTY PERMIT

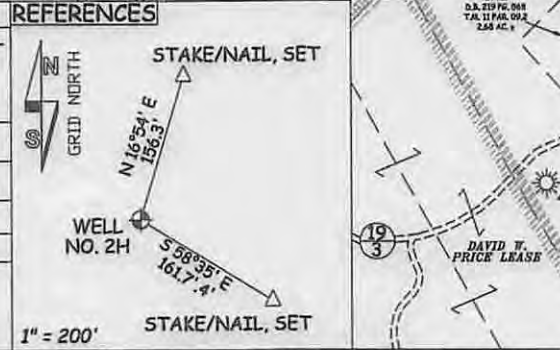
JOB # 14-093WA
 DRAWING # HATTIE2HR1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 1,108' ORIGINAL - 1,095' PROPOSED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PULLMAN 7.5' (TH) PENNSBORO 7.5' (BH) DISTRICT CENTRAL COUNTY DODDGE

SURFACE OWNER STANLEY WEBB ET AL ACREAGE 59.18 ACRES +/-
 OIL & GAS ROYALTY OWNER RALPH LEGGETT ET UX; HAROLD BURGESS ET UX; I.L. MORRIS; LEASE ACREAGE 75 ACRES +/-; 43.5 ACRES +/-; 26 ACRES +/-
 GERALDINE WILLARD; HATTIE DOTSON; VIRGINIA KUCK ET VIR; BLANCH M. WALDO 131.5 ACRES +/-; 240 ACRES +/-; 56 ACRES +/-; 95 ACRES +/-

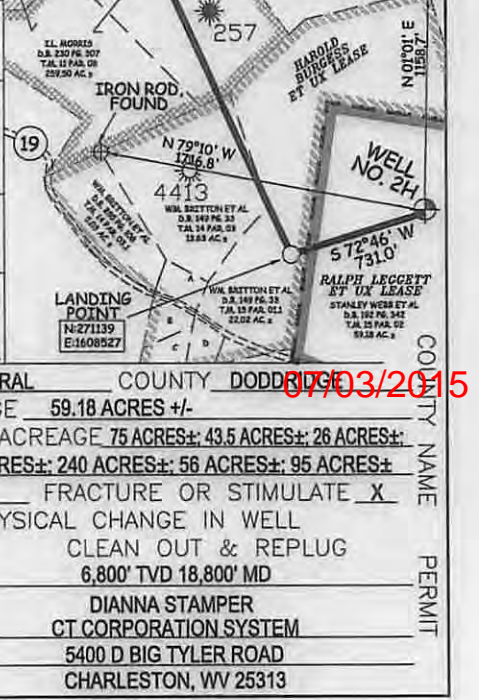
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 18,800' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

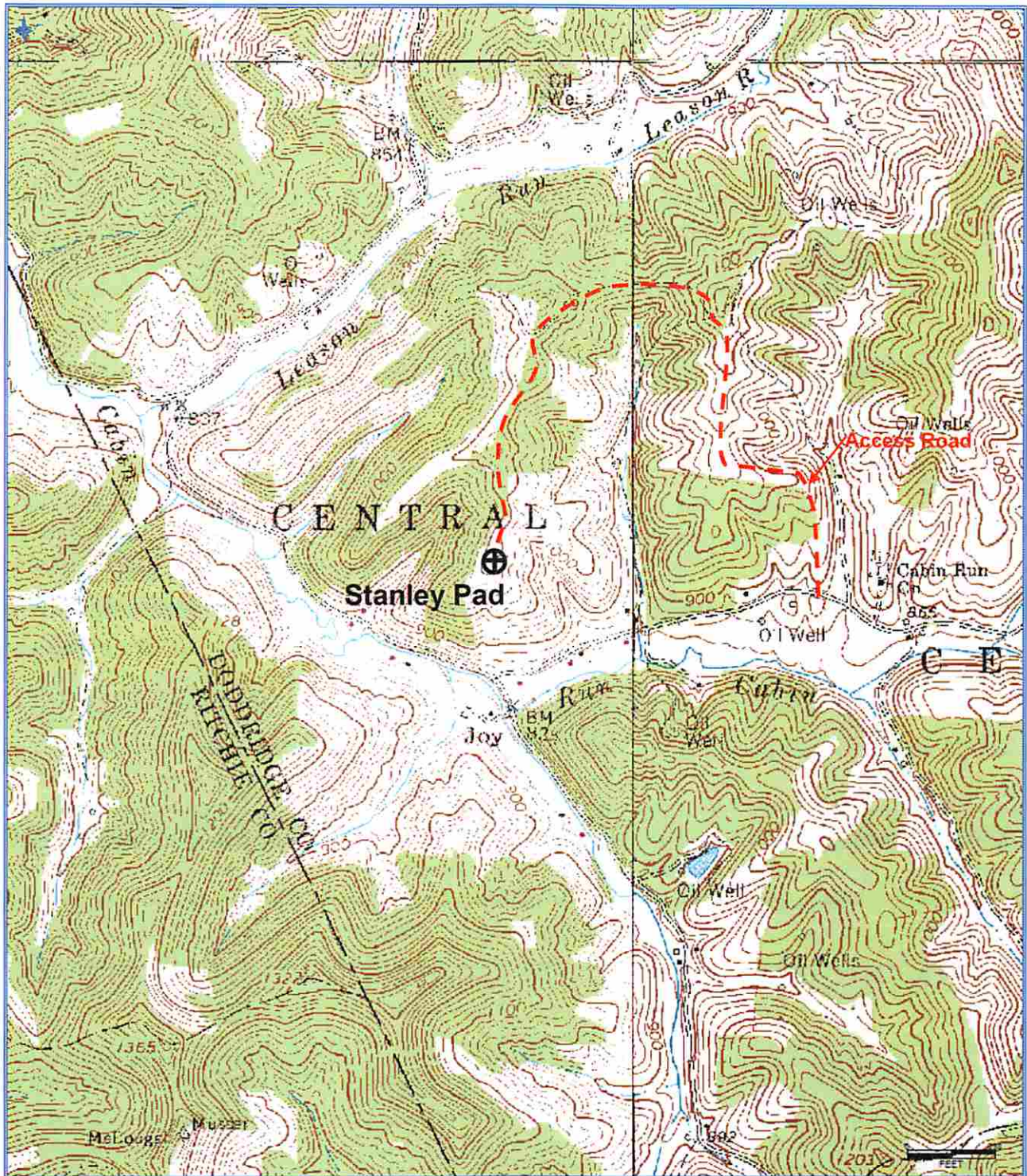


I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



07/03/2015



Antero Resources Corporation
Appalachian Basin
Hattie Unit 2H
Doddridge County

Quadrangle: Pullman
Watershed: Cabin Run
District: West Union
Date: 3-12-2015