

LATITUDE 39°15'00" | -1,305'

6,224' TO BOTTOM HOLE
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,782'

9,732' TO BOTTOM HOLE

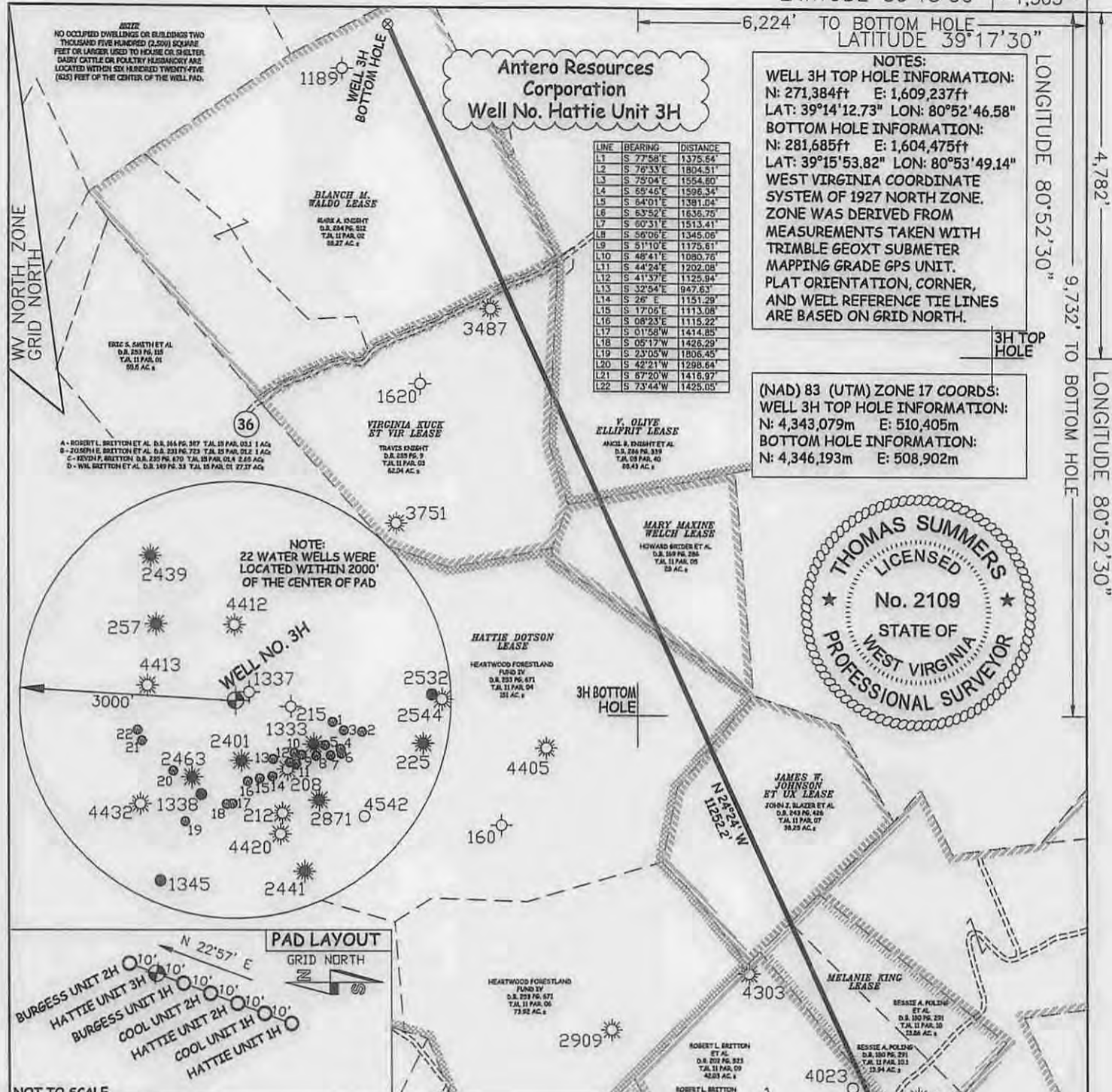
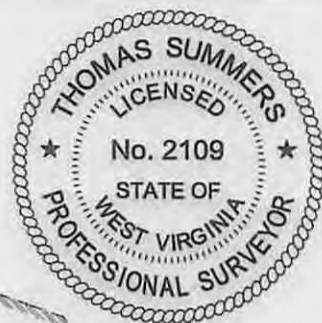
LONGITUDE 80°52'30"

Antero Resources Corporation Well No. Hattie Unit 3H

LINE	BEARING	DISTANCE
L1	S 77°58'E	1375.64
L2	S 76°33'E	1804.51
L3	S 75°04'E	1554.60
L4	S 65°46'E	1596.34
L5	S 64°01'E	1381.04
L6	S 63°52'E	1636.76
L7	S 60°31'E	1513.41
L8	S 56°08'E	1345.06
L9	S 51°10'E	1175.51
L10	S 48°41'E	1080.76
L11	S 44°24'E	1202.08
L12	S 41°37'E	1125.84
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	1806.45
L20	S 42°21'W	1298.64
L21	S 67°20'W	1416.97
L22	S 73°44'W	1425.05

NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 271,384ft E: 1,609,237ft
LAT: 39°14'12.73" N LON: 80°52'46.58" W
BOTTOM HOLE INFORMATION:
N: 281,685ft E: 1,604,475ft
LAT: 39°15'53.82" N LON: 80°53'49.14" W
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 3H TOP HOLE INFORMATION:
N: 4,343,079m E: 510,405m
BOTTOM HOLE INFORMATION:
N: 4,346,193m E: 508,902m



PAD LAYOUT
GRID NORTH

BURGESS UNIT 2H 10'
HATTIE UNIT 3H 10'
BURGESS UNIT 1H 10'
COOL UNIT 2H 10'
HATTIE UNIT 2H 10'
COOL UNIT 1H 10'
HATTIE UNIT 1H 10'

NOT TO SCALE

LEGEND

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

REFERENCES

STAKE/NAIL, SET
N 15°28' E 126.5'
WELL NO. 3H
S 48°27' E 108.8'
STAKE/NAIL, SET

1" = 200'

THOMAS SUMMERS P.S. 2109
DATE 04/13/15
OPERATOR'S WELL# HATTIE UNIT #3H
API WELL # 47 - 017 - 66737
STATE COUNTY PERMIT

JOB # 14-093WA
DRAWING # HATTIE3H
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 DODD

SURFACE OWNER STANLEY WEBB ET AL ACREAGE 59.18 ACRES +/-
OIL & GAS ROYALTY OWNERS RALPH LEGGETT ET UX; HAROLD BURGESS ET UX; I.L. MORRIS; LEASE ACREAGE 75 ACRES +/-; 43.5 ACRES +/-; 26 ACRES +/-
GERALDINE WILLARD; MELANIE KING; HATTIE DOTSON; JAMES W. JOHNSON ET UX; MARY MAXINE WELCH; V. OLIVE ELLIFRIT; VIRGINIA KUCK ET VIR; BLANCH M. WALDO 131.5 ACRES +/-; 30 ACRES +/-; 240 ACRES +/-; 38.8 ACRES +/-; 30 ACRES +/-; 130 ACRES +/-; 58 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

STATE OF WEST VIRGINIA
NON SOLVI SEMPER LIBER

DATE 07/03/2015

MARKED STONE FOUND

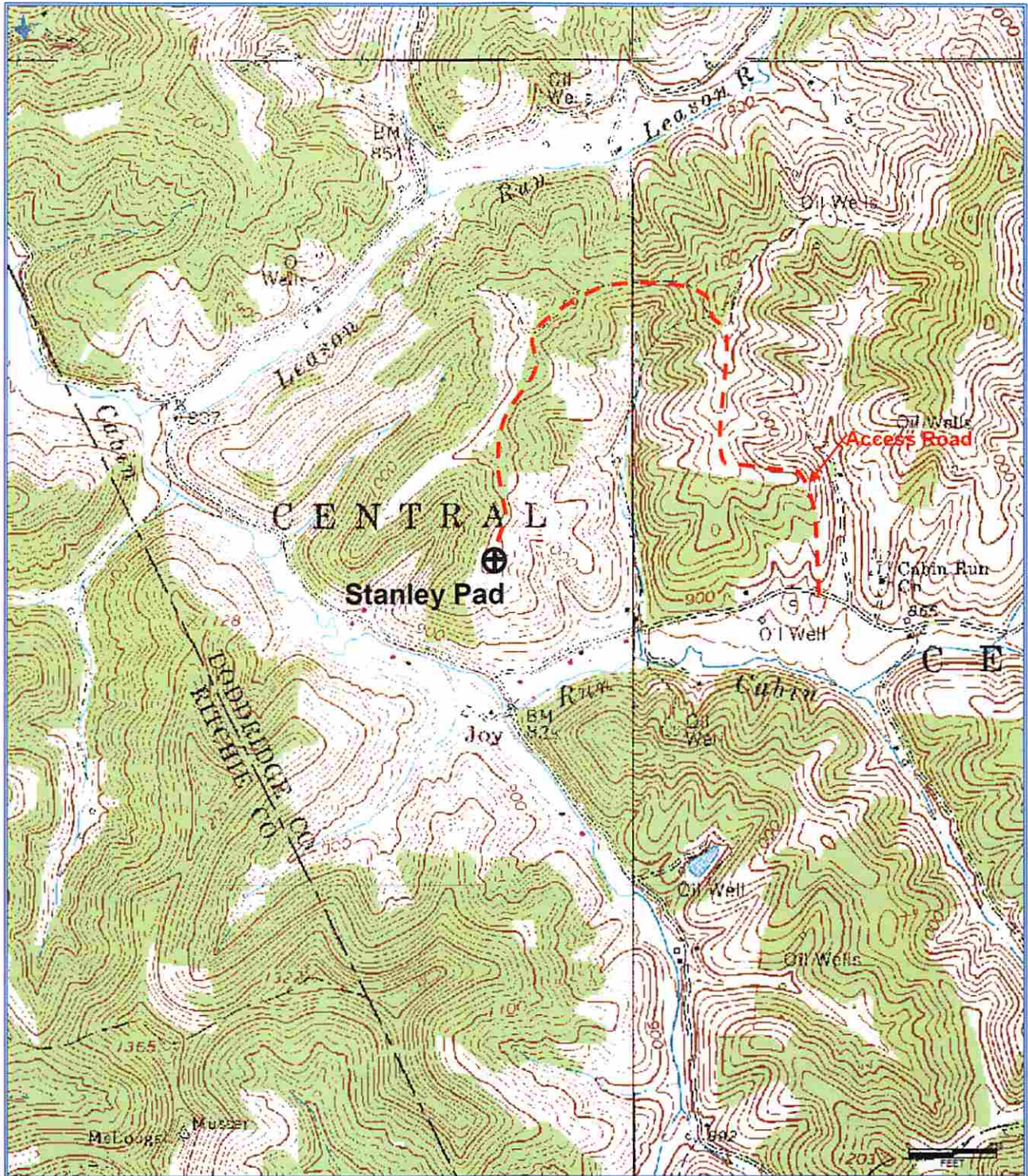
IRON ROD, FOUND

LANDING POINT
N 71°43' E
E 1609.122'

HE ON

WELL NO. 3H

STATE OF WEST VIRGINIA



Antero Resources Corporation
Appalachian Basin
Hattie Unit 3H
Doddridge County

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

Received
Office of Oil & Gas
APR 24 2015