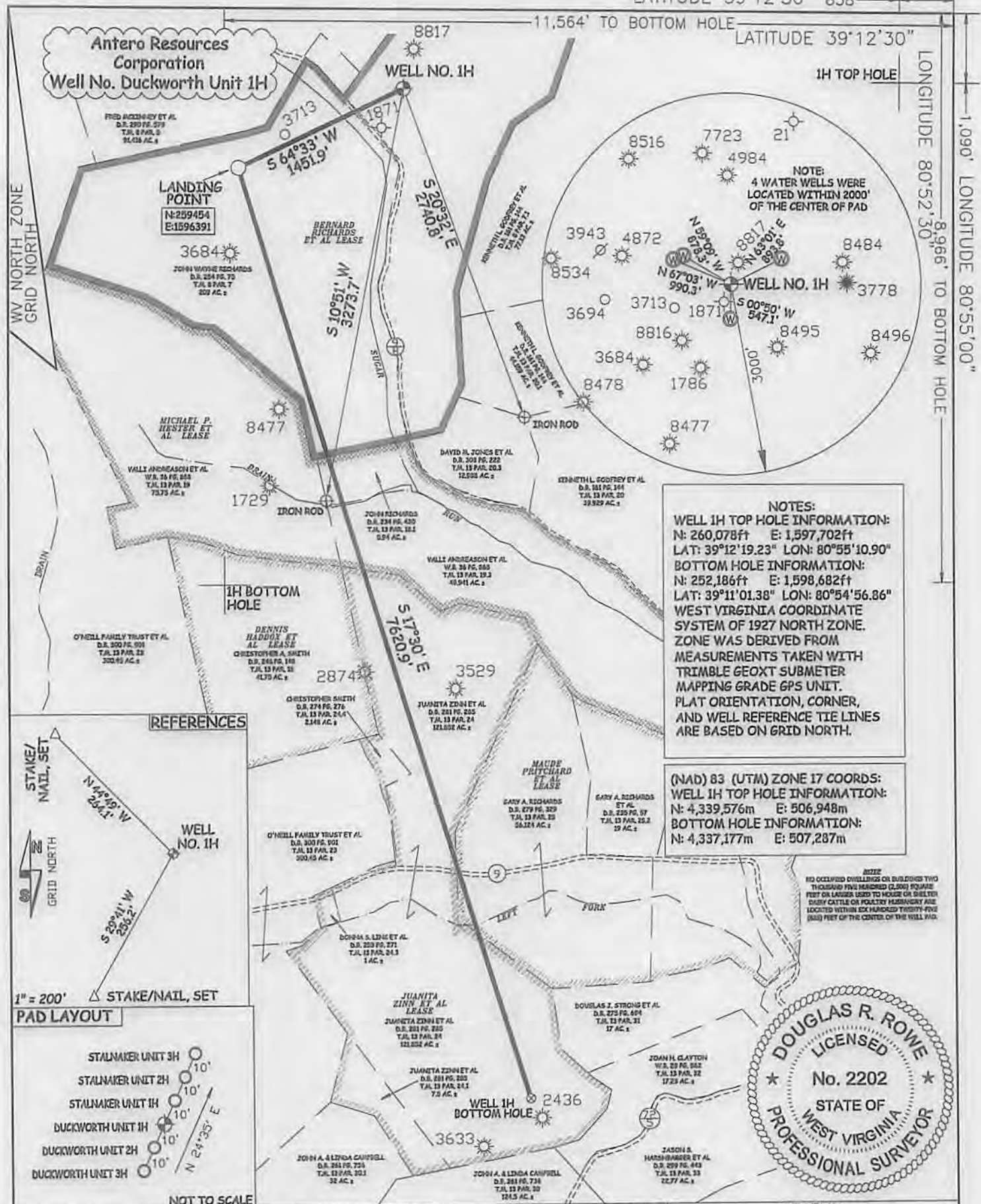


LATITUDE 39°12'30" 858'

LATITUDE 39°12'30"

LONGITUDE 80°52'30" 8,966' TO BOTTOM HOLE
LONGITUDE 80°55'00" 1,090' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Duckworth Unit 1H

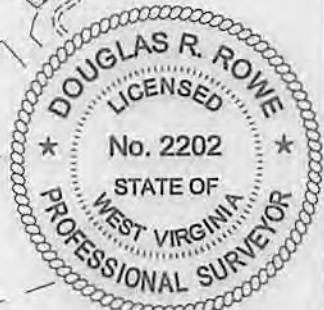
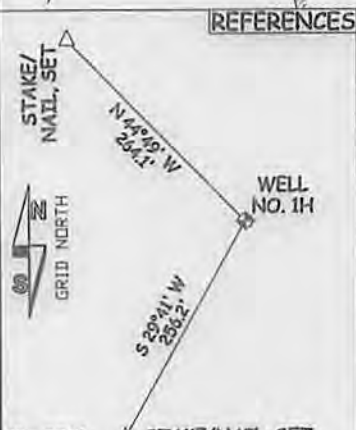


NOTE:
4 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 260,078ft E: 1,597,702ft
LAT: 39°12'19.23" LON: 80°55'10.90"
BOTTOM HOLE INFORMATION:
N: 252,186ft E: 1,598,682ft
LAT: 39°11'01.38" LON: 80°54'56.86"
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: 4,339,576m E: 506,948m
BOTTOM HOLE INFORMATION:
N: 4,337,177m E: 507,287m

NOTE:
NO OCCUPIED CHALLENGES OR BUILDINGS THRO THISSURVY FIELD BOUNDARIES (2,000) 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.



JOB # 14-023 WA
DRAWING # DUCKWORTH1H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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.



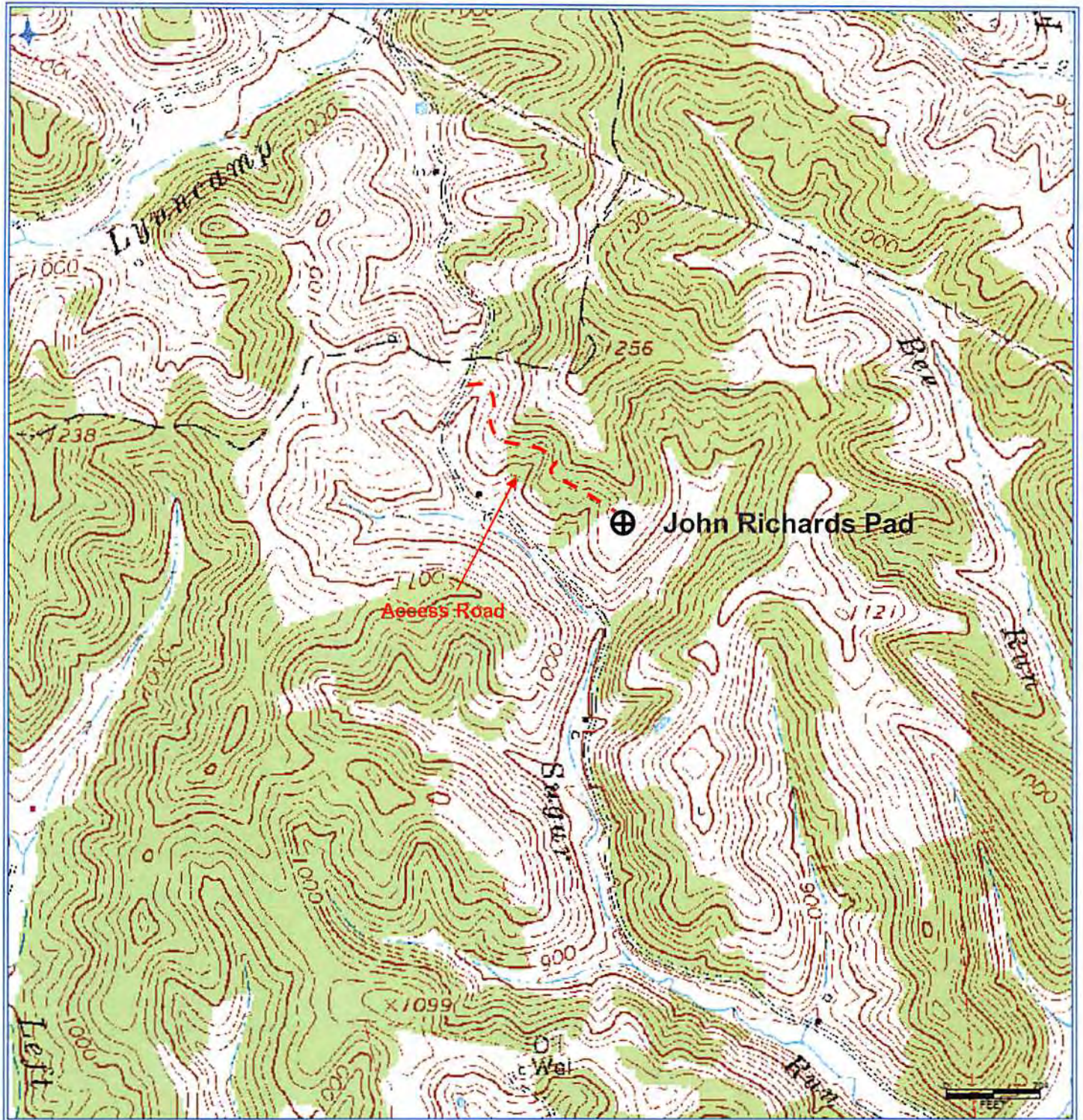
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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

DOUGLAS R. ROWE P.S. 2202
DATE 04/07/14
OPERATOR'S WELL # DUCKWORTH UNIT #1H
API WELL # 47 - 085 - 10102 H6A
STATE COUNTY PERMIT

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 1,025' WATERSHED SUGAR RUN
QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER JOHN WAYNE RICHARDS ACREAGE 209 ACRES +/-
OIL & GAS ROYALTY OWNER BERNARD RICHARDS ET AL; MICHAEL P. HEASTER ET AL; LEASE ACREAGE 214 ACRES+; 234.5 ACRES+;
JUANITA ZINN ET AL; MAUDE PRITCHARD ET AL 132.5 ACRES+; 137 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 6,600' TVD 14,800' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1025 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25310



Antero Resources Corporation
Appalachian Basin
Duckworth Unit 1H
Ritchie County
Quadrangle: Pullman 7.5'
Watershed: Sugar Run
District: Union
Date: 4-4-14

Received
APR 1 2014
Office of Oil and Gas
Dept. of Environmental Protection