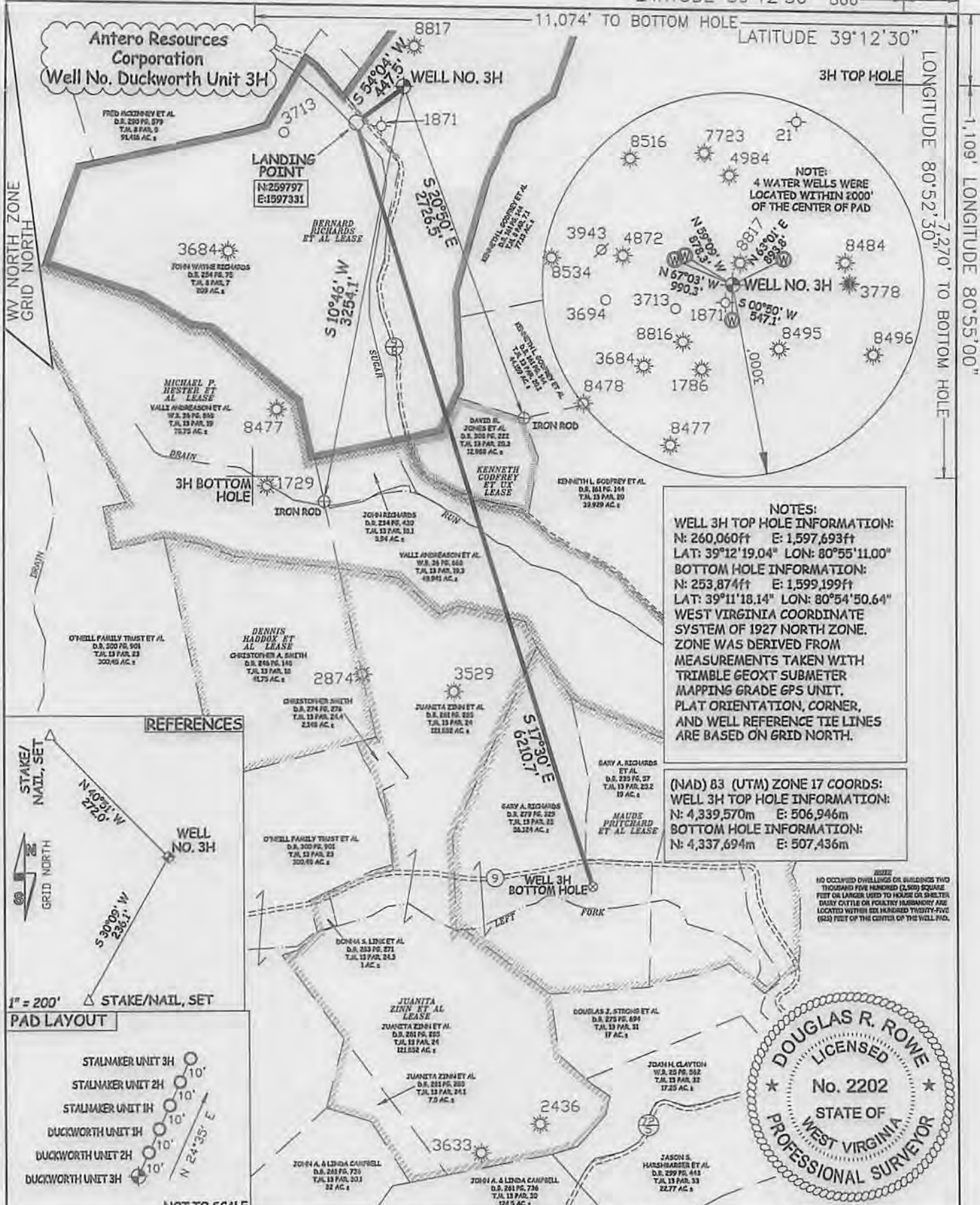


LATITUDE 39°12'30" 866'

LATITUDE 39°12'30"

LONGITUDE 80°52'30" 7,270' TO BOTTOM HOLE
LONGITUDE 80°55'00" 1,109' TO BOTTOM HOLE

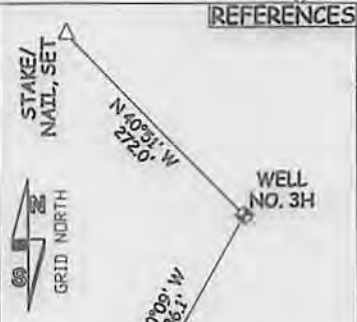
Antero Resources Corporation
Well No. Duckworth Unit 3H



NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 260,060ft E: 1,597,693ft
LAT: 39°12'19.04" LON: 80°55'11.00"
BOTTOM HOLE INFORMATION:
N: 253,874ft E: 1,599,199ft
LAT: 39°11'18.14" LON: 80°54'50.64"
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 3H TOP HOLE INFORMATION:
N: 4,339,570m E: 506,946m
BOTTOM HOLE INFORMATION:
N: 4,337,694m E: 507,436m

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 IN ANYWAY ARE LOCATED WITHIN SIX HUNDRED THIRTY-FIVE (635) FEET OF THE CENTER OF THE WELL PAD.



1" = 200' STAKE/NAIL, SET

JOB # 14-023 WA
DRAWING # DUCKWORTH3H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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.



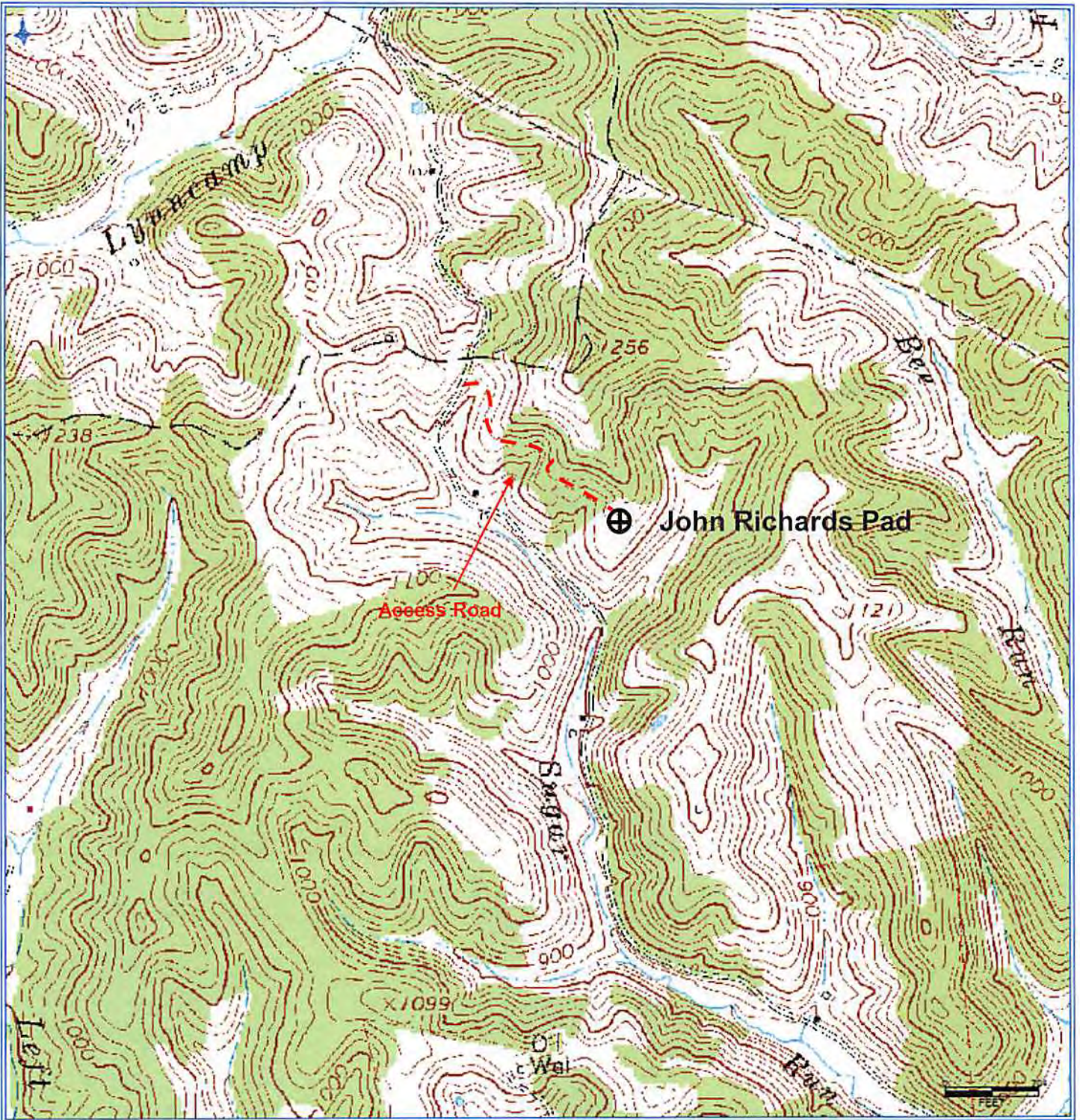
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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 #3H
API WELL # 47 - 085 - 10103
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; KENNETH GODFREY ET UX LEASE ACREAGE 214 ACRES+; 12.9 ACRES+;
MICHAEL P. HEASTER ET AL; JUANITA ZINN ET AL; MAUDE PRITCHARD ET AL 234.5 ACRES+; 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)
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 13,400' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT



Antero Resources Corporation

Appalachian Basin
Duckworth Unit 3H
Ritchie County

Quadrangle: Pullman 7.5'
Watershed: Sugar Run
District: Union
Date: 4-4-14

Received
APR 14 2014

Office of Oil and Gas
WV Dept. of Environmental Protection