

LATITUDE 39°17'30"

11,223'

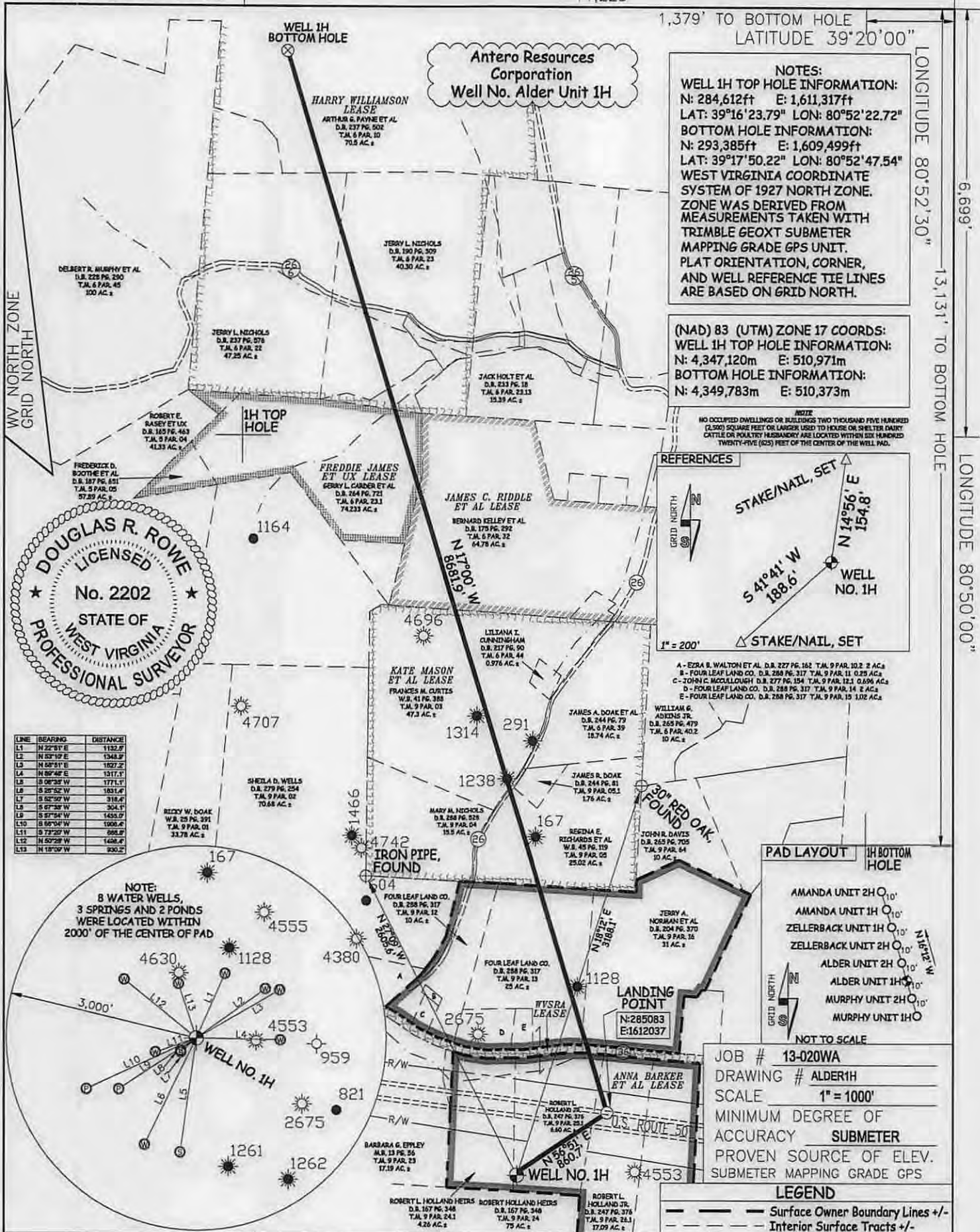
1,379' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

6,699'

13,131' TO BOTTOM HOLE

LONGITUDE 80°50'00"



*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 PRESCRIBED 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

DOUGLAS R. ROWE P.S. 2202
DATE 09/25/14
OPERATOR'S WELL# ALDER UNIT #1H

API WELL # 47 - 017 - 06640
STATE COUNTY PERMIT

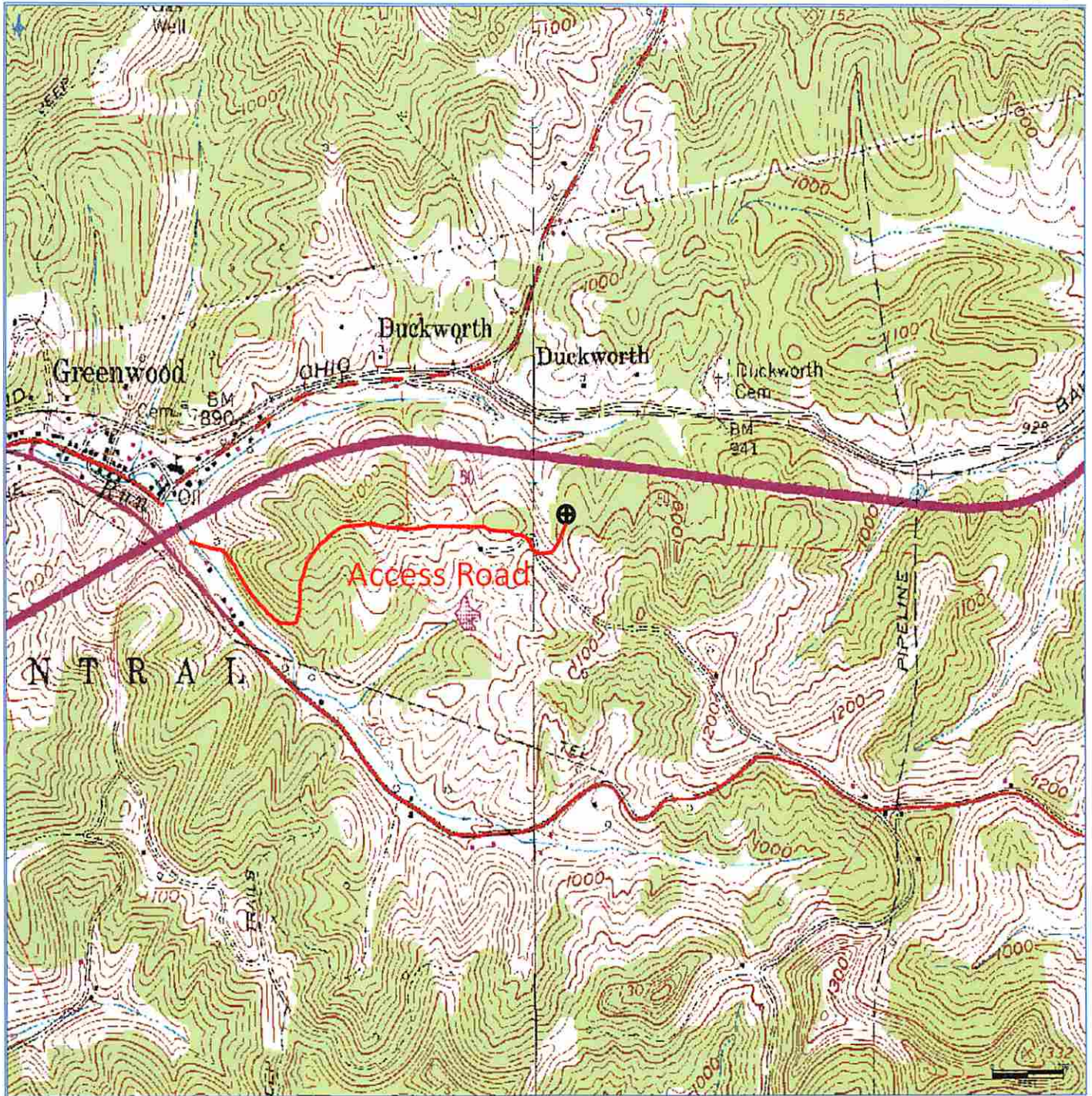
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 989' WATERSHED WILHELM RUN

QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER ROBERT L. HOLLAND JR. ACREAGE 6.60 ACRES +/-
OIL & GAS ROYALTY OWNER ANNA BARKER ET AL; WVSRA; KATE MASON ET AL; JAMES C. RIDDLE ET AL; LEASE ACREAGE 127 ACRES +/-; 301.19 ACRES +/-; 96 ACRES +/-; 75 ACRES +/-
FREDDIE JAMES ET UX; HARRY WILLIAMSON 34 ACRES +/-; 166 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 16,900' 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

4701706640



**Antero Resources
Corporation**
Appalachian Basin
Alder Unit 1H
Doddridge County

Quadrangle: West Union
Watershed: Wilhelm Run
District: Central
Date: 10-17-2013