

LATITUDE 39°12'30"

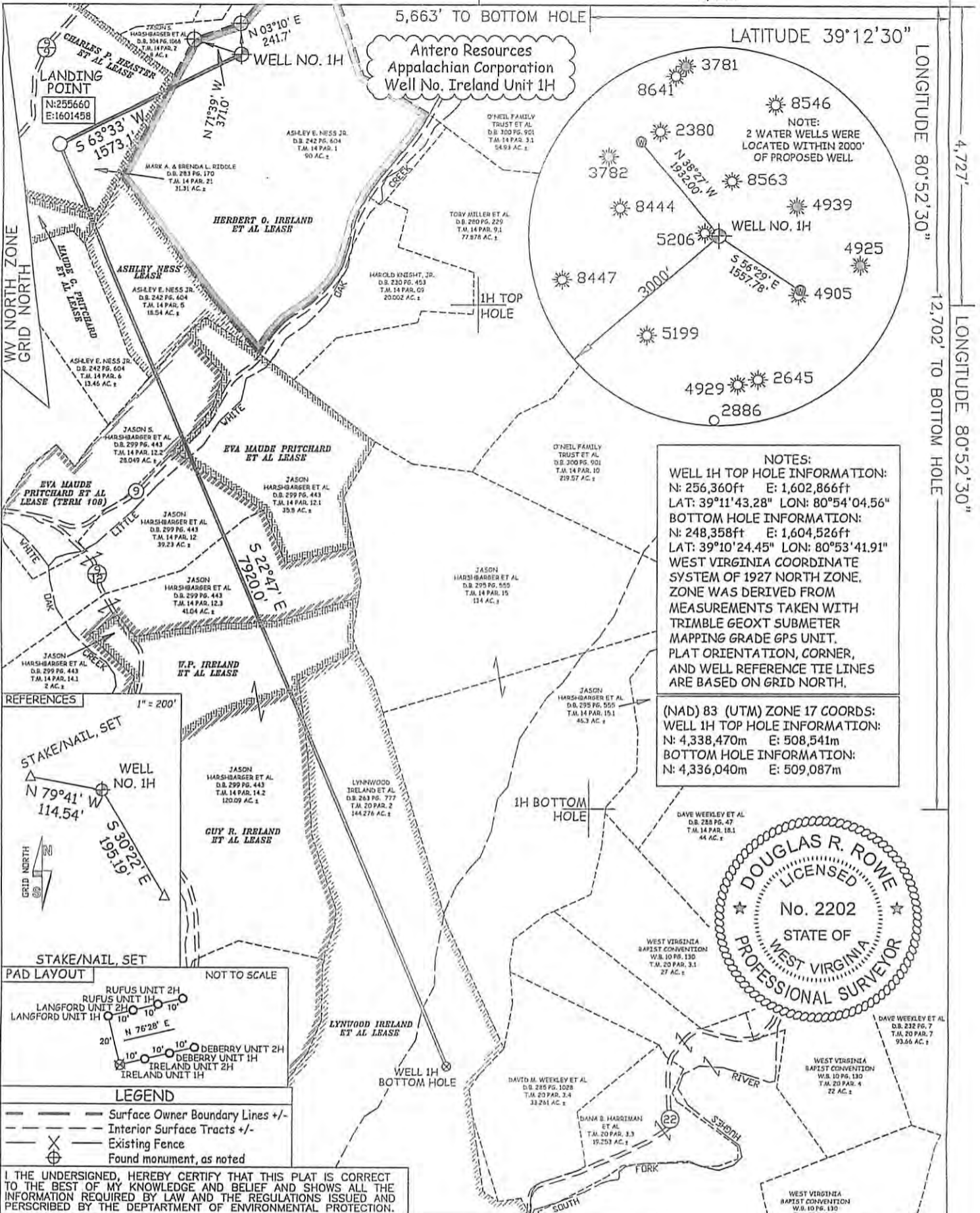
7,444'

LONGITUDE 80°52'30"

4,727'

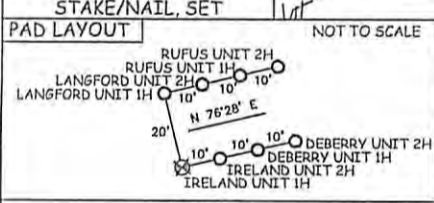
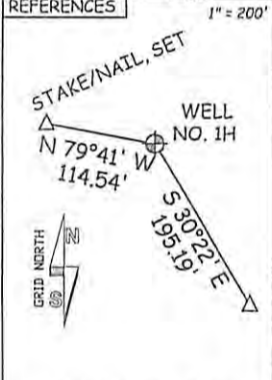
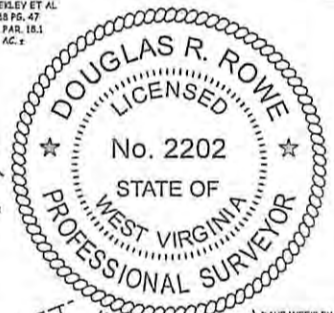
LONGITUDE 80°52'30"

12,702' TO BOTTOM HOLE



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 256,360ft E: 1,602,866ft
 LAT: 39°11'43.28" LON: 80°54'04.56"
 BOTTOM HOLE INFORMATION:
 N: 248,358ft E: 1,604,526ft
 LAT: 39°10'24.45" LON: 80°53'41.91"
 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: 4,338,470m E: 508,541m
 BOTTOM HOLE INFORMATION:
 N: 4,336,040m E: 509,087m



LEGEND

--- Surface Owner Boundary Lines +/-

--- Interior Surface Tracts +/-

X Existing Fence

⊕ Found monument, as noted

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 REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

JOB # 12-059WA
 DRAWING # IRELAND1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



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

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

WEST VIRGINIA BAPTIST CONVENTION ET AL
 W.B. 10 PG. 130
 T.M. 20 PAR. 2
 92,488 AC.±

CARL IVERS ET AL
 D.B. 182 PG. 577
 T.M. 20 PAR. 9
 39,885 AC.±

DOUGLAS R. ROWE P.S. 2202

DATE 09/06/12
 OPERATOR'S WELL# IRELAND UNIT #1H
 API WELL # 47 - 085 - 10005 H6A

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___

(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 1,075' WATERSHED LITTLE WHITE OAK CREEK

QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE

SURFACE OWNER ASHLEY E. NESS JR. ACREAGE 90 ACRES +/-

OIL & GAS ROYALTY OWNER HERBERT O. IRELAND ET AL; CHARLES P. HEASTER ET AL; MAUDE G. PRITCHARD ET AL; LEASE ACREAGE 90 AC.±; 234.5 AC.±; 137 AC.±; 18.54 AC.±; ASHLEY NESS; EVA MAUDE PRITCHARD ET AL (TERM 108); EVA MAUDE PRITCHARD ET AL; W.P. IRELAND ET AL; GUY R. IRELAND ET AL; LYNNWOOD IRELAND ET AL. 108 AC.±; 35 AC.±; 34 AC.±; 222 AC.±; 415 AC.±

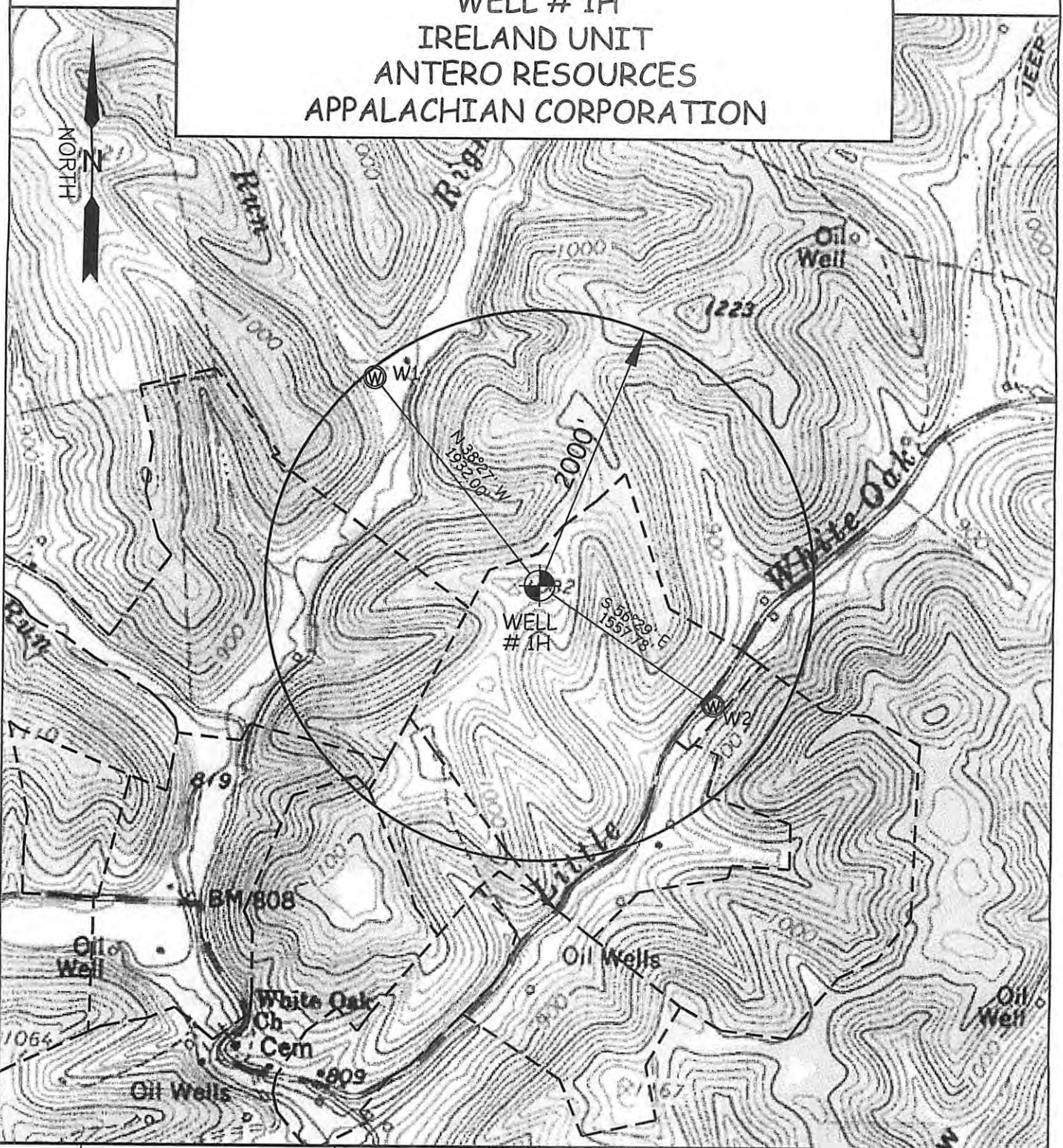
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 15,200' MD

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM
 DENVER, CO 80202 CHARLESTON, WV 25313

02/08/2013

WELL # 1H
 IRELAND UNIT
 ANTERO RESOURCES
 APPALACHIAN CORPORATION



WELL	SURFACE OWNER	ADDRESS
W1	Jack H. & Linda M. Langford	1487 White Oak Rd. Pullman, WV 26421
W2	James C. Shreves, Et Al	HC 70 Box 1A Pullman, WV 26421

WILLOW LAND SURVEYING PLLC
 P.O. BOX 17, PENNSBORO, WV 26415
 (304) 659-1717

DATE: 08/20/12 DRAWN BY: D.L.P.

TOPO SECTION(S) OF:
 PULLMAN 7.5' QUAD

