

LATITUDE 39°12'30"

7,454'

LATITUDE 39°15'00"

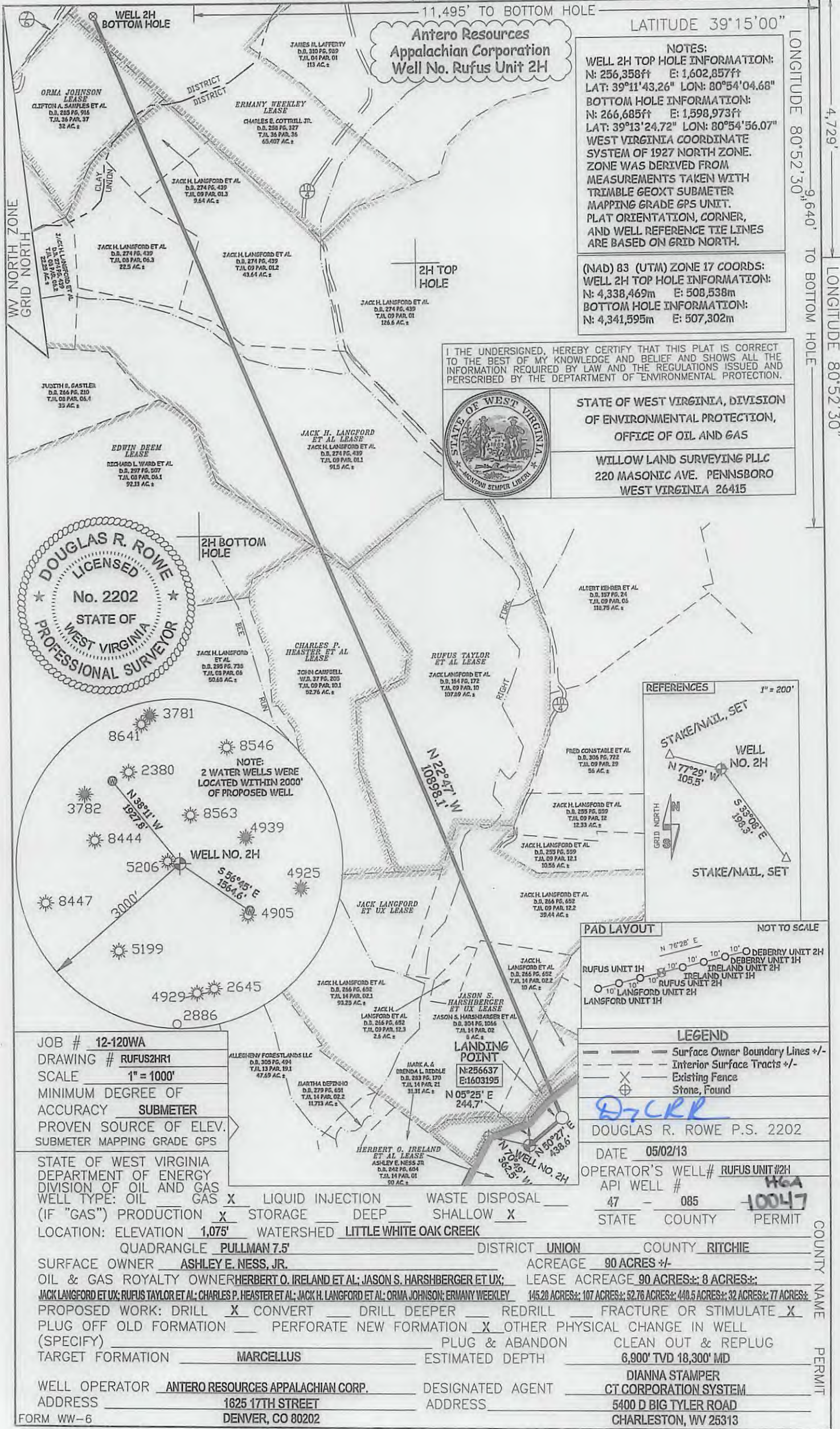
LONGITUDE 80°52'30"

9,640' TO BOTTOM HOLE

LONGITUDE 80°52'30"

4,729'

LONGITUDE 80°52'30"



**Antero Resources  
Appalachian Corporation  
Well No. Rufus Unit 2H**

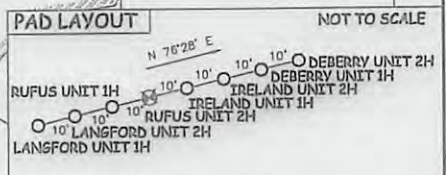
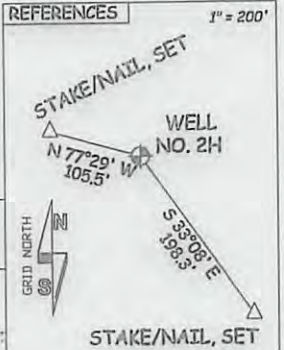
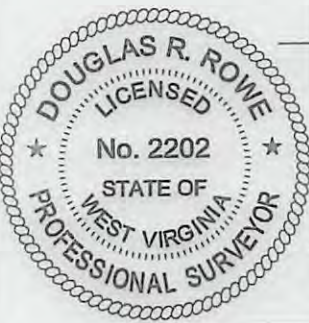
**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 256,358ft E: 1,602,857ft  
 LAT: 39°11'43.26" LON: 80°54'04.68"  
**BOTTOM HOLE INFORMATION:**  
 N: 266,685ft E: 1,598,973ft  
 LAT: 39°13'24.72" LON: 80°54'56.07"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS 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 2H TOP HOLE INFORMATION:**  
 N: 4,338,469m E: 508,538m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,341,595m E: 507,302m

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.



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  
 Stone, Found

JOB # 12-120WA  
 DRAWING # RUFUS2HR1  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

ALLEGHENY FORESTLANDS LLC  
 D.B. 305 PG. 494  
 T.J.L. 13 PAR. 191  
 47.69 AC. ±

MARtha BERTINO  
 D.B. 279 PG. 691  
 T.J.L. 14 PAR. 02.2  
 11.713 AC. ±

MARK A. & DRENDA L. RIDDLE  
 D.B. 203 PG. 170  
 T.J.L. 14 PAR. 21  
 31.31 AC. ±

JASON S. HARSHBERGER ET AL LEASE  
 D.B. 304 PG. 1056  
 T.J.L. 14 PAR. 02  
 8 AC. ±

LANDING POINT  
 N: 256637  
 E: 1603195

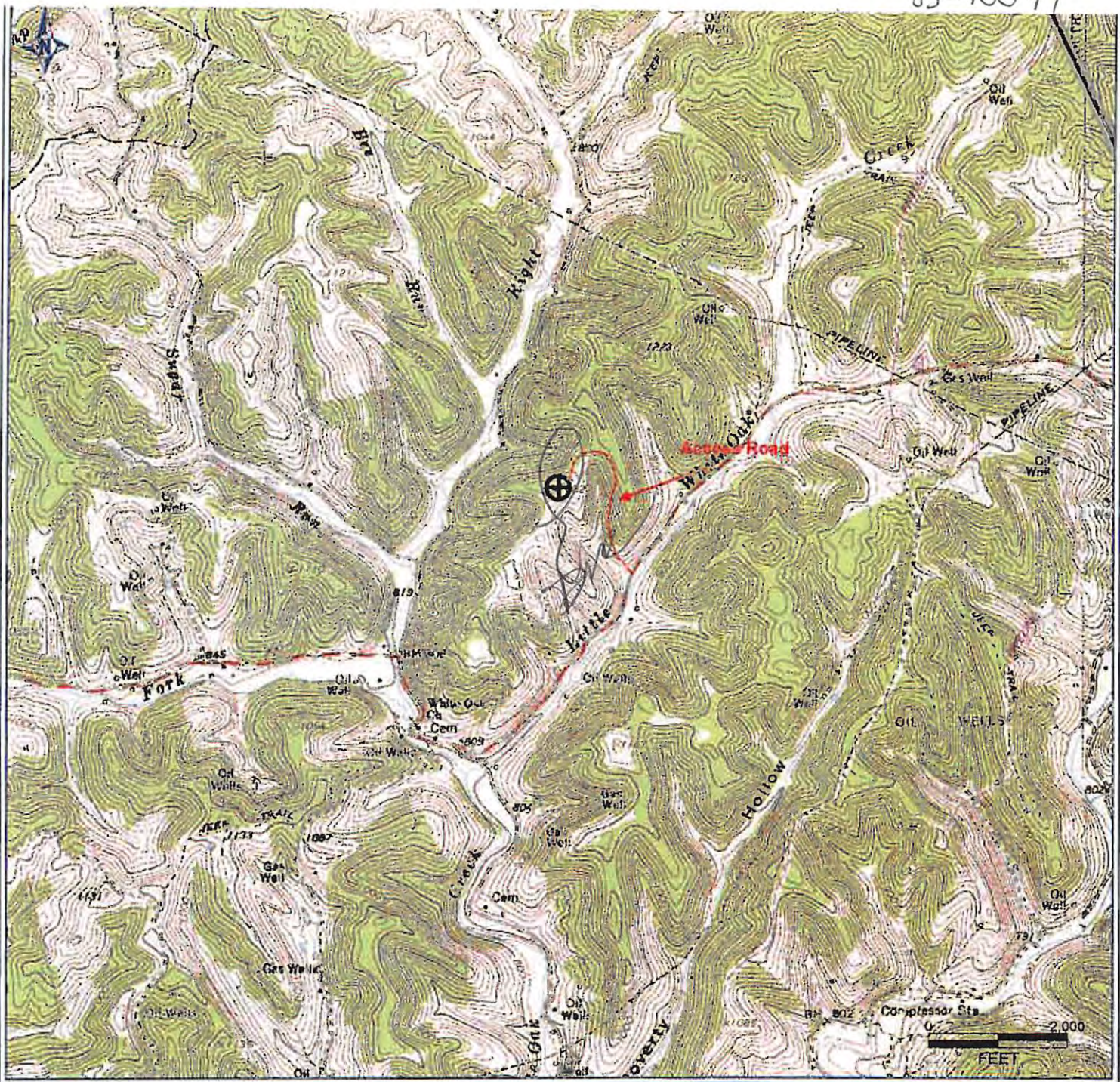
DOUGLAS R. ROWE P.S. 2202  
 DATE 05/02/13  
 OPERATOR'S WELL# RUFUS UNIT #2H  
 API WELL # 47-085-10047  
 STATE COUNTY PERMIT

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.; JASON S. HARSHBERGER ET AL; LEASE ACREAGE 90 ACRES ±; 8 ACRES ±;  
 JACK LANGFORD ET UX; RUFUS TAYLOR ET AL.; CHARLES P. HEASTER ET AL.; JACK H. LANGFORD ET AL.; ORMA JOHNSON; ERMANY WEEKLEY 145.20 ACRES ±; 107 ACRES ±; 52.76 ACRES ±; 440.5 ACRES ±; 32 ACRES ±; 77 ACRES ±;  
 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 18,300' MD  
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

07/26/2013



85-10047



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Received  
Office of Oil & Gas

JUN 28 2013

**85-10047 H6A RUFUS UNIT 2H**  
**ANTERO RESOURCES**

PAD NAME: NESS

**Antero Resources Corporation**

**APPALACHIAN BASIN**

**Rufus Unit 2H**  
**Ritchie County**



REMARKS  
QUADRANGLE: PULLMAN  
WATERSHED: LEFT FORK  
DISTRICT: UNION

Date: 8/29/2012