

LATITUDE 39°22'30"

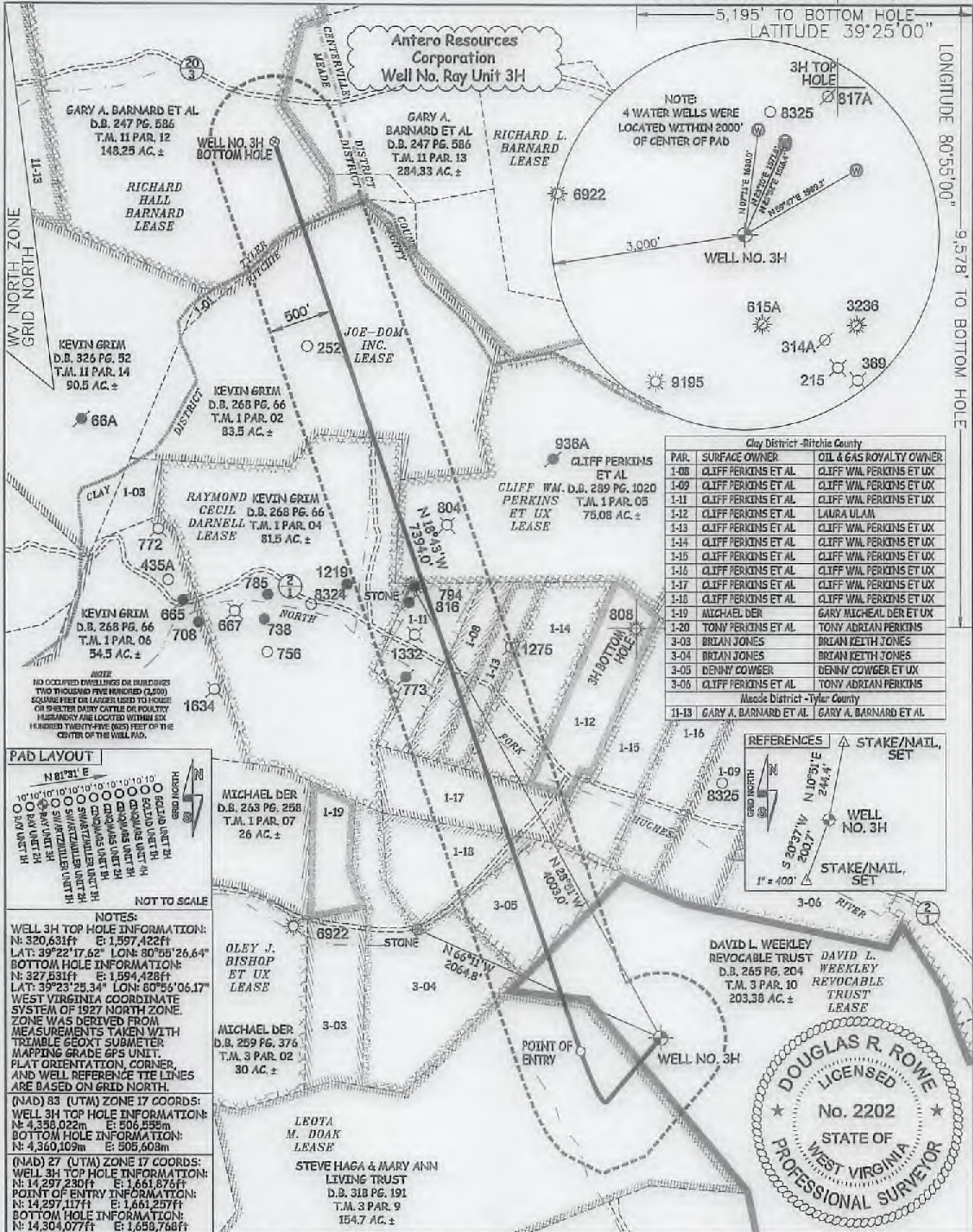
2,092'

5,195' TO BOTTOM HOLE
LATITUDE 39°25'00"

LONGITUDE 80°55'00"

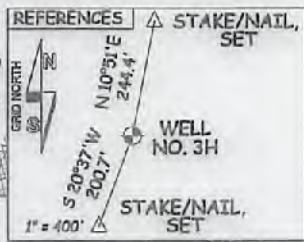
LONGITUDE 80°55'00"

9,578' TO BOTTOM HOLE



Clay District - Ritchie County		
PAR.	SURFACE OWNER	OIL & GAS ROYALTY OWNER
1-08	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-09	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-11	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-12	CLIFF PERKINS ET AL	LAURA ULAM
1-13	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-14	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-15	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-16	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-17	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-18	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-19	MICHAEL DER	GARY MICHAEL DER ET UX
1-20	TONY PERKINS ET AL	TONY ADRIAN PERKINS
3-03	BRIAN JONES	BRIAN KEITH JONES
3-04	BRIAN JONES	BRIAN KEITH JONES
3-05	DENNY COWGER	DENNY COWGER ET UX
3-06	CLIFF PERKINS ET AL	TONY ADRIAN PERKINS

Meade District - Tyler County		
PAR.	SURFACE OWNER	OIL & GAS ROYALTY OWNER
11-13	GARY A. BARNARD ET AL	GARY A. BARNARD ET AL



NOTES:
 WELL 3H TOP HOLE INFORMATION:
 N: 320,631ft E: 1,597,422ft
 LAT: 39°22'17.62" LON: 80°55'26.64"
 BOTTOM HOLE INFORMATION:
 N: 327,531ft E: 1,594,428ft
 LAT: 39°23'25.34" LON: 80°55'06.17"
 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: 4,358,022m E: 506,555m
 BOTTOM HOLE INFORMATION:
 N: 4,360,109m E: 505,608m

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 3H TOP HOLE INFORMATION:
 N: 14,297,230ft E: 1,661,876ft
 POINT OF ENTRY INFORMATION:
 N: 14,297,117ft E: 1,661,257ft
 BOTTOM HOLE INFORMATION:
 N: 14,304,077ft E: 1,659,768ft

OLEY J. BISHOP ET UX LEASE
 MICHAEL DER D.B. 259 PG. 376 T.M. 3 PAR. 02 30 AC ±
 LEOTA M. DOAK LEASE
 STEVE HAGA & MARY ANN LIVING TRUST D.B. 318 PG. 191 T.M. 3 PAR. 9 154.7 AC ±
 DAVID L. WEEKLEY REVOCABLE TRUST D.B. 265 PG. 204 T.M. 3 PAR. 10 203.38 AC ±
 DAVID L. WEEKLEY REVOCABLE TRUST LEASE



JOB # 17-043WA
 DRAWING # RAY3H
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

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

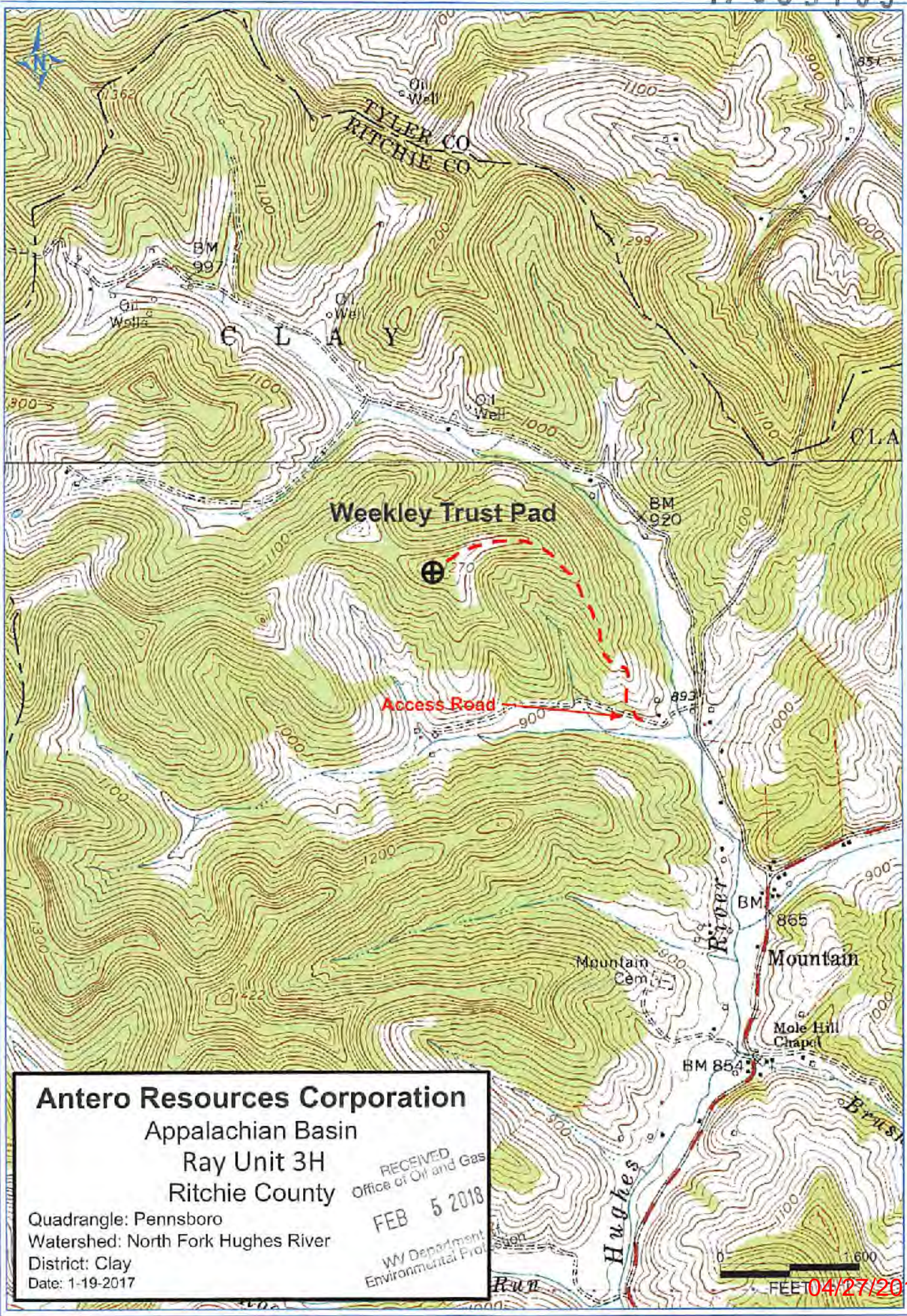
WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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

DOUGLAS R. ROWE P.S. 2202
 DATE 01/25/18
 OPERATOR'S WELL# RAY UNIT #3H

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1,285'-ORIGINAL 1,235' PROPOSED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' - TH MIDDLEBOURNE 7.5' - BH DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER DAVID L. WEEKLEY REVOCABLE TRUST ACREAGE 203.38 ACRES +/-
 OIL & GAS ROYALTY OWNER DAVID L. WEEKLEY REVOCABLE TRUST; LEOTA M. DOAK; DENNY COWGER ET UX; LEASE ACREAGE 229 AC ±; 128.5 AC ±; 15.17 AC ±;
 CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; 13 AC ±; 13.5 AC ±; 16 AC ±; 8.25 AC ±; 8.5 AC ±;
 CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; RAYMOND CECIL DARNELL; JOE-DOM INC.; RICHARD HALL BARNARD 13 AC ±; 75.08 AC ±; 81.5 AC ±; 380 AC ±; 148.252 AC ±
 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 PLUG & ABANDON CLEAN OUT & REPLUG
 WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 6,800' TVD 15,300' MD
 ADDRESS 1615 WYNKOOP ST. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

04/27/2018



Antero Resources Corporation
 Appalachian Basin
 Ray Unit 3H
 Ritchie County

RECEIVED
 Office of Oil and Gas
 FEB 5 2018
 WV Department
 Environmental Protection

Quadrangle: Pennsboro
 Watershed: North Fork Hughes River
 District: Clay
 Date: 1-19-2017