

LATITUDE 39°20'00"

4,317'

553' TO BOTTOM HOLE
LATITUDE 39°17'30"

LONGITUDE 81°00'00"

LONGITUDE 81°00'00"

COUNTY NAME RITCHEE

PERMIT

Antero Resources Corporation Well No. Raines Unit 3H

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
 N: 14,275,345ft E: 1,636,101ft
POINT OF ENTRY INFORMATION:
 N: 14,275,310ft E: 1,636,149ft
BOTTOM HOLE INFORMATION:
 N: 14,265,749ft E: 1,639,864ft

NOTES:
WELL 3H TOP HOLE INFORMATION:
 N: 299,172ft E: 1,571,277ft
 LAT: 39°18'41.32" LON: 81°00'54.92"
BOTTOM HOLE INFORMATION:
 N: 289,511ft E: 1,574,880ft
 LAT: 39°17'06.44" LON: 81°00'07.03"
 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: 4,351,351m E: 498,699m
BOTTOM HOLE INFORMATION:
 N: 4,348,426m E: 499,846m

REFERENCES

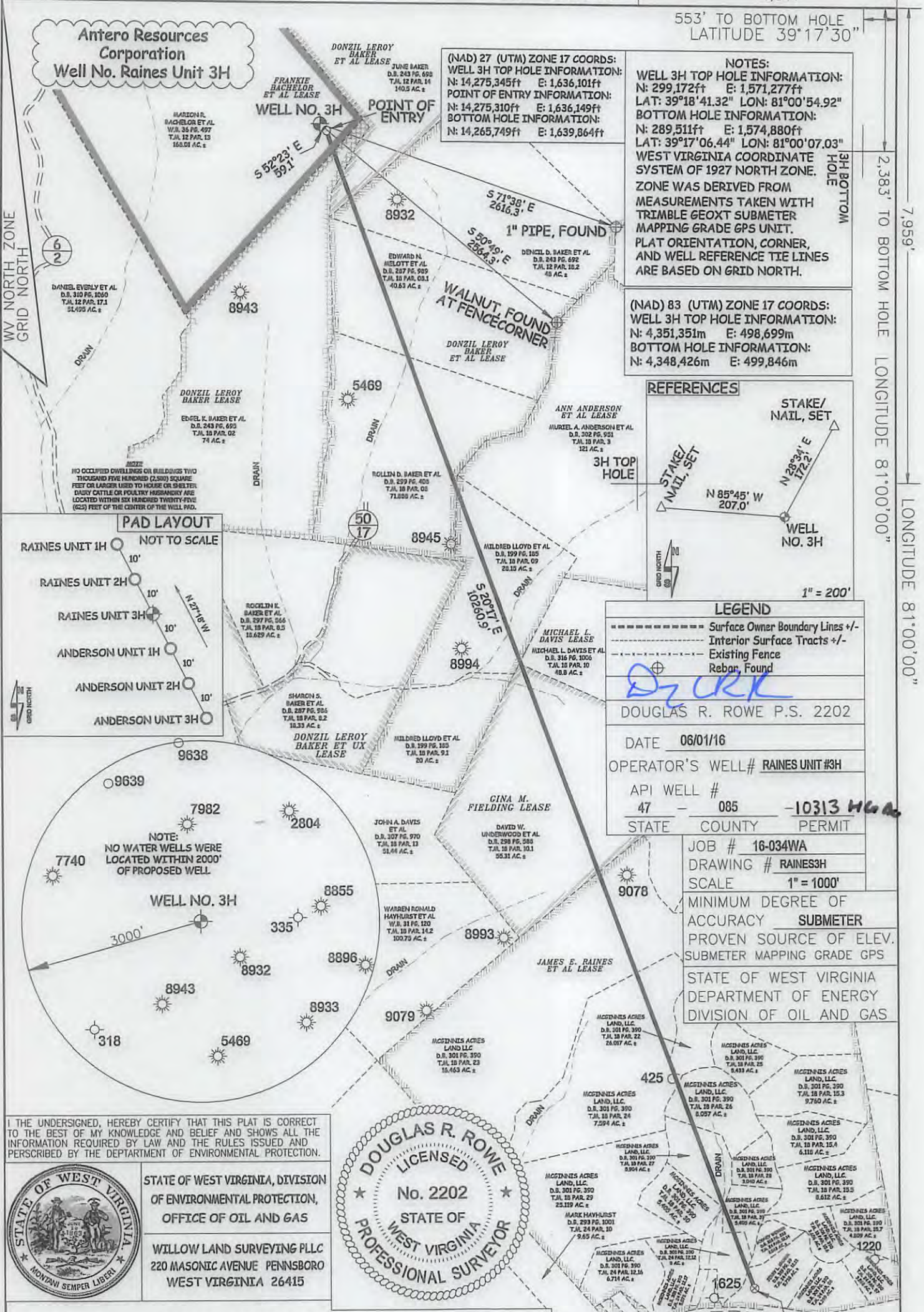


LEGEND

-----	Surface Owner Boundary Lines +/-
-----	Interior Surface Tracts +/-
-----	Existing Fence
⊕	Rebar, Found

D. R. ROWE
 DOUGLAS R. ROWE P.S. 2202
 DATE 06/01/16
 OPERATOR'S WELL# RAINES UNIT #3H
 API WELL # 47 - 085 - 10313 HGA
 STATE COUNTY PERMIT

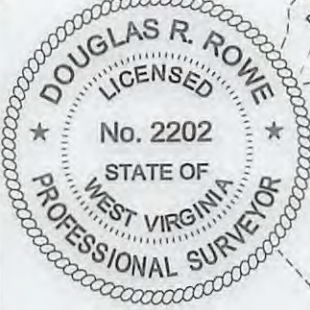
JOB #	16-034WA
DRAWING #	RAINES3H
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	SUBMETER
PROVEN SOURCE OF ELEV.	SUBMETER MAPPING GRADE GPS
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	



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.



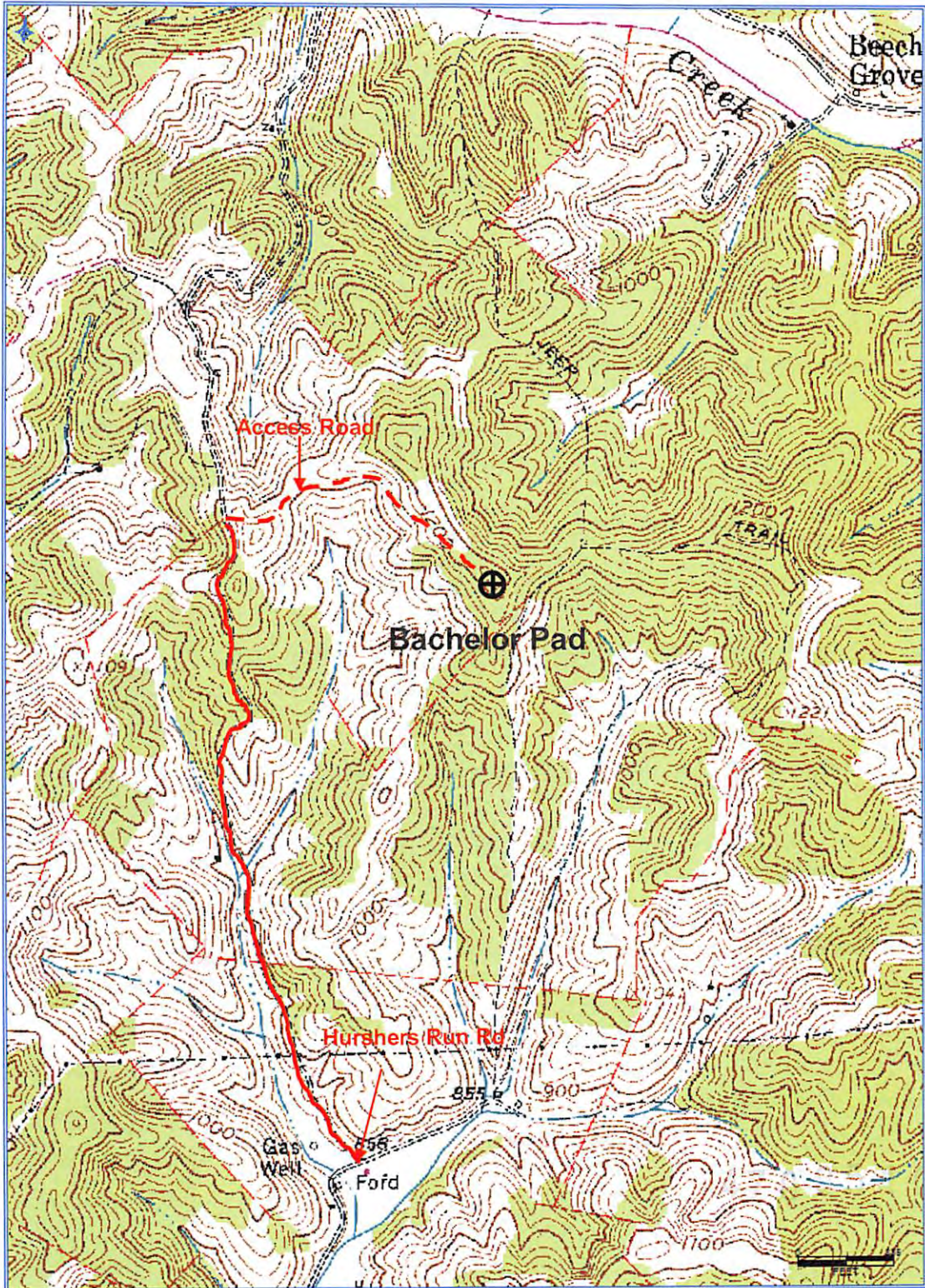
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVENUE PENNSBORO WEST VIRGINIA 26415



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,228' ORIGINAL - 1,193' PROPOSED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHEE

SURFACE OWNER MARION R. BACHELOR ET AL ACREAGE 168.01 ACRES +/-
 OIL & GAS ROYALTY OWNER FRANKIE BACHELOR ET AL; DONZIL LEROY BAKER; DONZIL LEROY BAKER ET AL; DONZIL LEROY BAKER ET AL; ANN ANDERSON ET AL; MICHAEL L. DAVIS; GINA M. FIELDING; JAMES E. RAINES ET AL LEASE ACREAGE 168 AC±; 74 AC±; 140.5 AC±; 189 AC±; 160 AC±; 48.8 AC±; 68.2 AC±; 300 AC±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 17,300' MD
 WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

03/24/2017



Antero Resources Corporation

Appalachian Basin

Raines Unit 3H

Ritchie County

Quadrangle: Ellenboro

Watershed: North Fork Hughes River

District: Clay

Date: 3-16-2016

Received
Office of Oil & Gas

JAN 17 2017

03/24/2017