

LATITUDE 39°25'00" 11,557' TO BOTTOM HOLE 1,708'

Antero Resources Corporation
Well No. Copper John Unit 2H

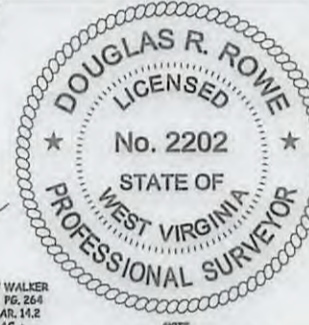
NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 337,471ft E: 1,598,072ft
LAT: 39°25'04.15" LON: 80°55'21.76"
BOTTOM HOLE INFORMATION:
N: 327,983ft E: 1,599,849ft
LAT: 39°23'30.66" LON: 80°54'57.22"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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: 4,363,156m E: 506,667m
BOTTOM HOLE INFORMATION:
N: 4,360,274m E: 507,257m

PAD LAYOUT
NOT TO SCALE

PARACHUTE UNIT 1H 10'
PARACHUTE UNIT 2H 10'
PARACHUTE UNIT 3H 10'
PHEASANT UNIT 2H 10'
PHEASANT UNIT 3H 10'
PHEASANT UNIT 1H 10'
COPPER JOHN UNIT 1H 10'
COPPER JOHN UNIT 2H 10'
COPPER JOHN UNIT 3H 10'
TAUSCHER UNIT 1H 10'
TAUSCHER UNIT 2H 10'
TAUSCHER UNIT 3H 10'

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,314,072ft E: 1,662,245ft
POINT OF ENTRY INFORMATION:
N: 14,313,506ft E: 1,660,990ft
BOTTOM HOLE INFORMATION:
N: 14,304,619ft E: 1,664,179ft



JOB # 16-048WA
DRAWING # COPPERJOHN2H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELECTRICITY BOTTOM HOLE
SUBMETER MAPPING GRADE GPS
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

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

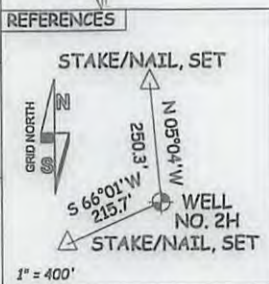
DOUGLAS R. ROWE P.S. 2202
DATE 08/26/16



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 DESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

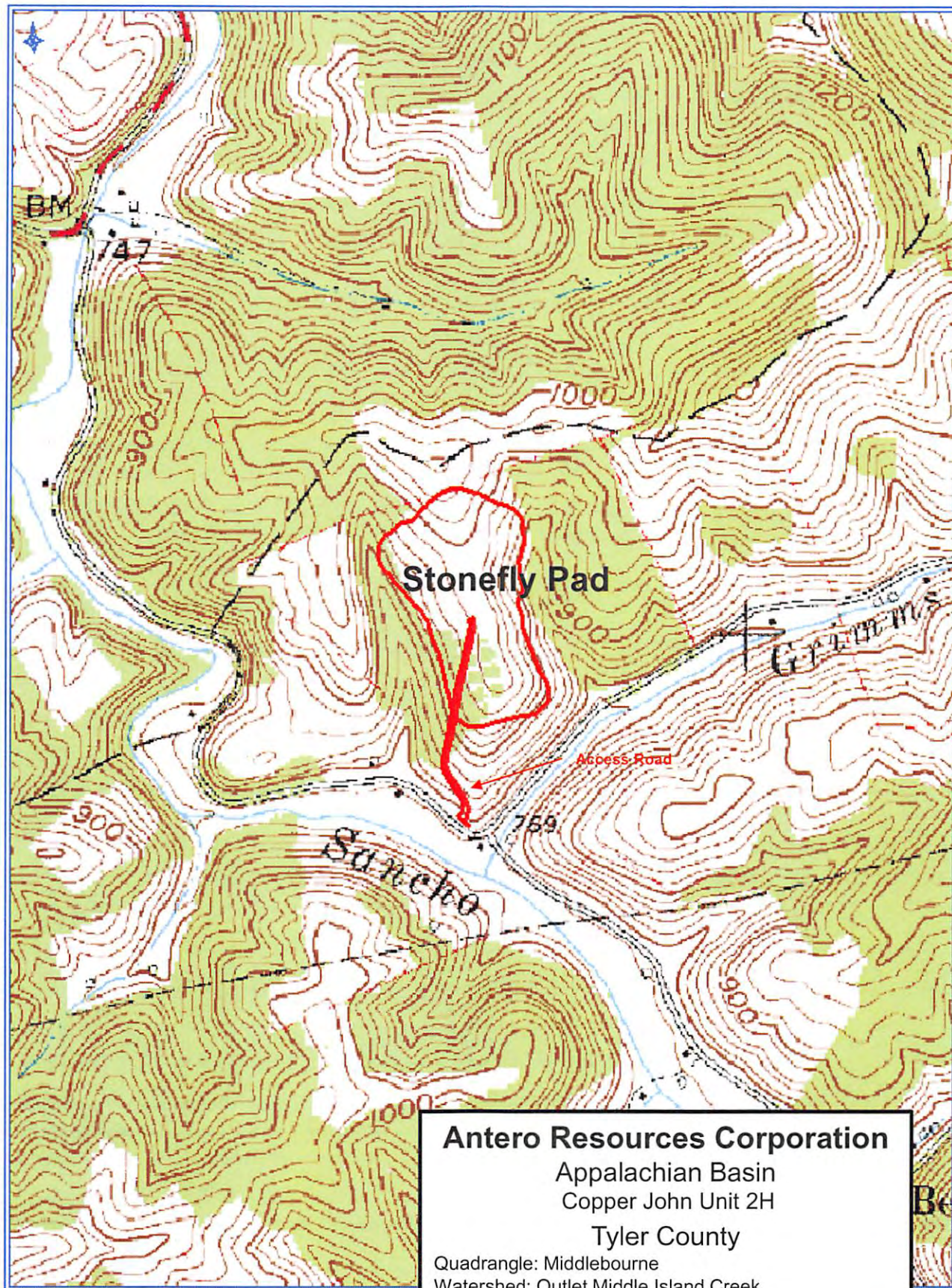


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/>	OPERATOR'S WELL#	COPPER JOHN UNIT 2H
(IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	47 - 095	03172017
LOCATION: ELEVATION 992 - ORIGINAL 982 - PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK	STATE COUNTY PERMIT	
QUADRANGLE MIDDLEBOURNE 7.5'	DISTRICT CENTERVILLE COUNTY TYLER	
SURFACE OWNER STEVEN MCPEEK ET AL	ACREAGE 123.5 ACRES +/-	
OIL & GAS ROYALTY OWNER KEITH F. FREELAND; DAVID A. DARNELL;	LEASE ACREAGE 123.5 AC±; 68.33 AC±;	
RONALD FLETCHER; RONALD P. FLETCHER; DENSEL FERRELL ET UX; HERBERT DARNELL; FRANK GRASS ET AL	93 AC±; 27.68 AC±; 248 AC±; 51 AC±; 431.29 AC±	
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	ESTIMATED DEPTH 6,600' TVD 16,800' MD	
PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM	
TARGET FORMATION MARCELLUS	ADDRESS 5400 D BIG TYLER ROAD	
WELL OPERATOR ANTERO RESOURCES CORP.	ADDRESS 5400 D BIG TYLER ROAD	
ADDRESS 1615 WYNKOOP ST.	CHARLESTON, WV 25313	
FORM WW-6 DENVER, CO 80202		

9,039' TO BOTTOM HOLE 14,757' LONGITUDE 80°52'30" LONGITUDE 80°55'00"



Antero Resources Corporation
Appalachian Basin
Copper John Unit 2H
Tyler County
Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Centerville
Date: 04-25-2016