

LATITUDE 39°25'00"

8,165'

2,487' TO BOTTOM HOLE

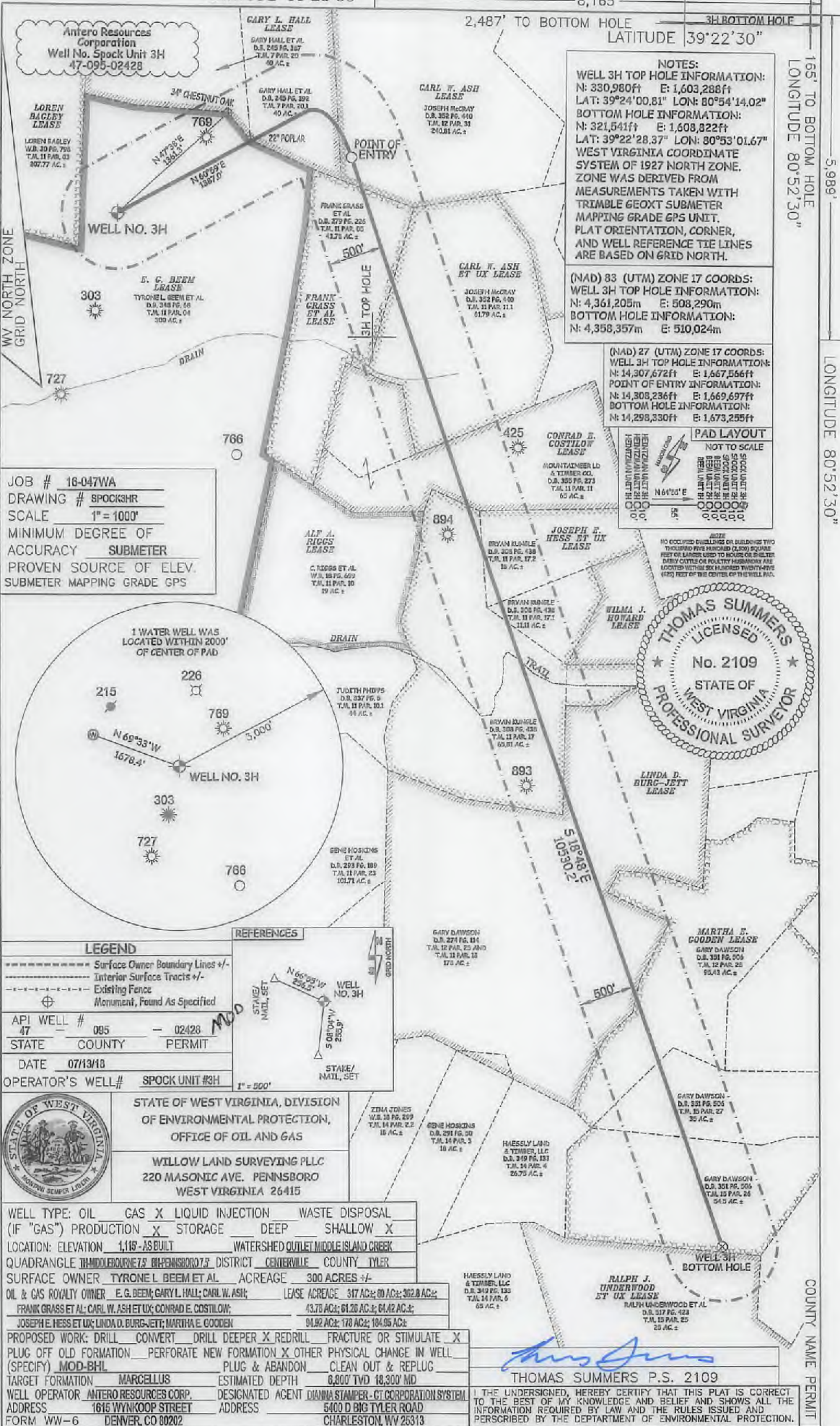
3H BOTTOM HOLE

LATITUDE 39°22'30"

165' TO BOTTOM HOLE
LONGITUDE 80°52'30"

5,989'

LONGITUDE 80°52'30"

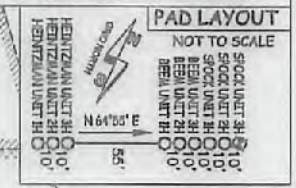


Antero Resources Corporation
Well No. Spock Unit 3H
47-095-02428

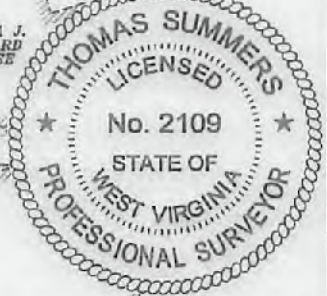
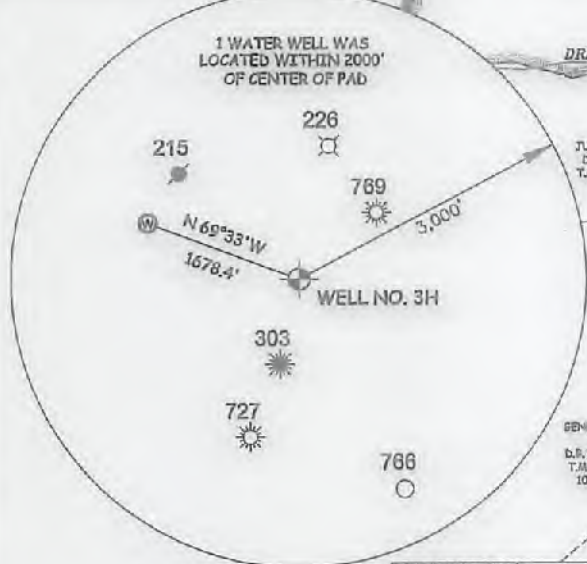
NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 330,980ft E: 1,603,288ft
LAT: 39°24'00.81" LON: 80°54'14.02"
BOTTOM HOLE INFORMATION:
N: 321,541ft E: 1,608,822ft
LAT: 39°22'28.37" LON: 80°53'01.67"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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: 4,361,205m E: 508,290m
BOTTOM HOLE INFORMATION:
N: 4,358,357m E: 510,024m

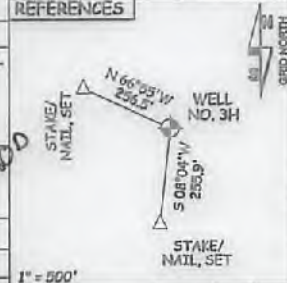
(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 14,307,672ft E: 1,667,566ft
POINT OF ENTRY INFORMATION:
N: 14,308,236ft E: 1,669,697ft
BOTTOM HOLE INFORMATION:
N: 14,298,330ft E: 1,673,255ft



JOB # 16-047WA
DRAWING # SPOCK3HR
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



LEGEND		
-----	Surface Owner Boundary Lines +/-	
-----	Interior Surface Tracts +/-	
-----	Existing Fence	
⊕	Monument, Found As Specified	
API WELL #	47	095 - 02428
STATE	COUNTY	PERMIT
DATE	07/13/18	
OPERATOR'S WELL #	SPOCK UNIT #3H	



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	GAS	X	LIQUID INJECTION	WASTE DISPOSAL
(IF "GAS") PRODUCTION		X	STORAGE	DEEP	SHALLOW
LOCATION:	ELEVATION	1,118 - AS BUILT	WATERSHED	OUTLET MIDDLE ISLAND CREEK	
QUADRANGLE	THIDDLEBOURNE 7.5 W. PENNSBORO 7.5 DISTRICT CENTERVILLE COUNTY TYLER				
SURFACE OWNER	TYRONE L. BEEM ET AL. ACREAGE 300 ACRES +/-				
OIL & GAS ROYALTY OWNER	E. G. BEEM; GARY L. HALL; CARL W. ASH; LEASE ACREAGE 317 AC.; 60 AC.; 362.8 AC.; FRANK GRASS ET AL.; CARL W. ASH ET UX; CONRAD E. COSTILOV; 43.78 AC.; 61.26 AC.; 64.42 AC.; JOSEPH E. HESS ET UX; LINDA D. BURC-JETT; MARTHA E. COODEN 94.92 AC.; 178 AC.; 184.95 AC.				
PROPOSED WORK:	DRILL	CONVERT	DRILL DEEPER	X	REDRILL
PLUG OFF OLD FORMATION				X	PERFORATE NEW FORMATION
(SPECIFY)	MOD-BHL	PLUG & ABANDON	CLEAN OUT & REPLUG		OTHER PHYSICAL CHANGE IN WELL
TARGET FORMATION	MARCELLUS ESTIMATED DEPTH 8,800' TWD 18,300' MD				
WELL OPERATOR	ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM				
ADDRESS	1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 26313				
FORM	WW-6 DENVER, CO 80202				

THOMAS SUMMERS P.S. 2109
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.