

LATITUDE 39°20'00"

8,704'

910' TO BOTTOM HOLE
LATITUDE 39°22'30"

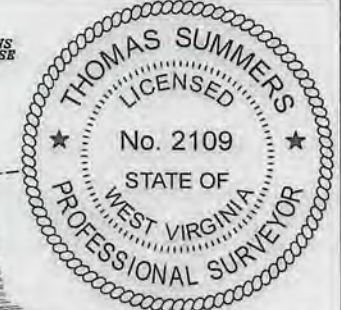
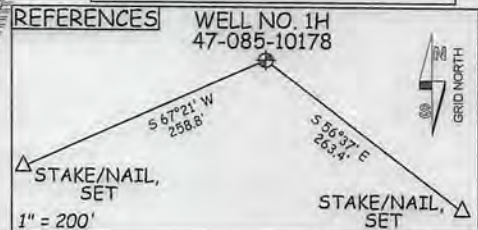
LONGITUDE 80°57'30" 12,708' TO BOTTOM HOLE

6,358'
LONGITUDE 80°55'00"

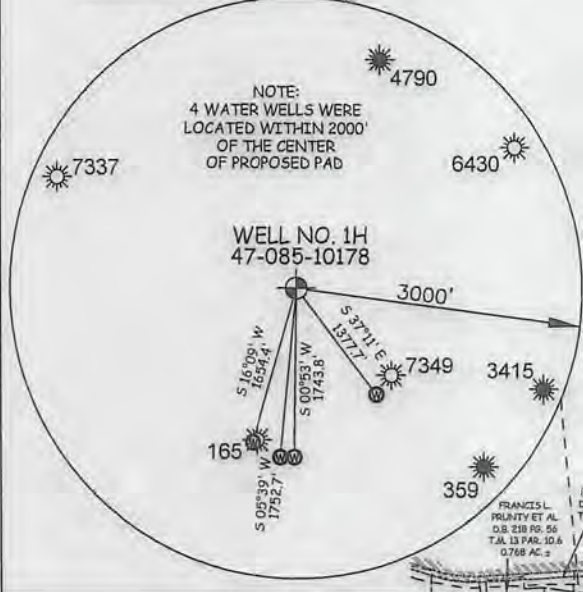
Antero Resources Corporation
Well No. Jackknife Unit 1H
A.P.I. 47-085-10178

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 300,458ft E: 1,590,491ft
LAT: 39°18'57.16" LON: 80°56'50.75"
BOTTOM HOLE INFORMATION:
N: 309,347ft E: 1,586,640ft
LAT: 39°20'24.39" LON: 80°57'41.58"
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 1H TOP HOLE INFORMATION:
N: 4,351,841m E: 504,546m
BOTTOM HOLE INFORMATION:
N: 4,354,529m E: 503,328m



WV NORTH ZONE GRID NORTH



LEGEND

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

THOMAS SUMMERS P.S. 2109

DATE 10/16/15

OPERATOR'S WELL# JACKKNIFE UNIT #1H

API WELL # 47 - 085 - 10178

STATE COUNTY PERMIT

JOB # 14-008WVA
DRAWING # JACKKNIFE1HR1
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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
P.O. BOX 17 PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,163' ORIGINAL - 1,127' AS BUILT WATERSHED NORTH FORK HUGHES RIVER

QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER STEPHEN C. JACKSON ET AL ACREAGE 40.835 ACRES +/-
OIL & GAS ROYALTY OWNER HARVEY WEIGLE HEIRS; STEVE JACKSON; LEASE ACREAGE 51 ACRES±; 117 ACRES±;
MARY MAXINE WELCH; CLIFF WILSON ET UX; W.J. COLLINS ET UX; MARY MAXINE WELCH; WILLIAM DAVIS HEWITT 163 ACRES±; 413 ACRES±; 575 ACRES±; 76.43 ACRES±; 20 ACRES±

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) MOD-SHL
PLUG & ABANDON CLEAN OUT & REPLUG ESTIMATED DEPTH 6,500' TVD 16,300' MD
TARGET FORMATION MARCELLUS
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

11/06/2015