

LATITUDE 39°25'00"

9,012'

355' TO BOTTOM HOLE
LATITUDE 39°25'00"

232' TO BOTTOM HOLE
LONGITUDE 80°45'00"

7,575'

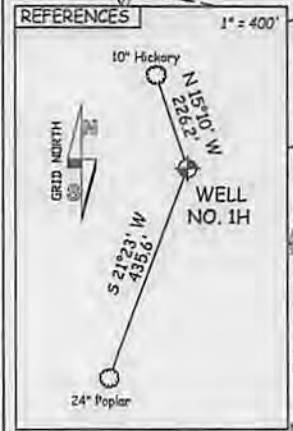
LONGITUDE 80°42'30"

Antero Resources Corporation
Well No. Silas Unit 1H

NOTE:
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,000) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER CATTLE, CATTLE OR POULTRY MANURE ARE LOCATED WITHIN SIX HUNDRED TWENTY FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
2. THIS WELL IS SUBJECT TO THAT 50 FOOT STRIP OF LAND KNOWN AS THE OLD SISTERVILLE AND SALEN TURNPIKE WHICH MAY OR MAY NOT COINCIDE WITH THE CORNER LOCATION OF WV STATE ROUTE 23 IN THIS AREA.

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 328,713ft E: 1,649,513ft
LAT: 39°23'45.13" LON: 80°44'24.80"
BOTTOM HOLE INFORMATION:
N: 336,098ft E: 1,646,497ft
LAT: 39°24'57.71" LON: 80°45'04.52"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

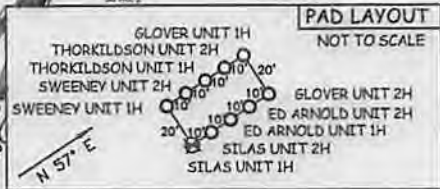
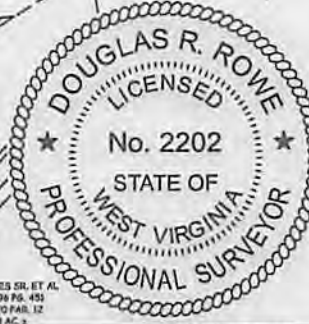
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,360,750m E: 522,384m
BOTTOM HOLE INFORMATION:
N: 4,362,984m E: 521,427m



WELL NO. 1H TO WATER WELLS

LINE	BEARING	DIST.
W1	N 38°55' W	1579.6'
W2	N 48°06' W	1599.3'
W3	N 55°59' W	1616.6'
W4	N 71°42' W	1080.7'
W5	N 72°29' W	978.6'
W6	N 73°42' W	1036.9'
W7	S 87°01' W	958.6'
W8	S 83°38' W	1032.9'
W9	S 78°52' W	1283.6'

NOTE:
9 WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



JOB # 13-096WA
DRAWING # SILAS1H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 PRESCRIBED 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 +/-
X Existing Fence
⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202
DATE 01/30/14
OPERATOR'S WELL# SILAS UNIT #1H
API WELL # 47 - 095 - 02157 HGA
STATE COUNTY PERMIT

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 749' WATERSHED McELROY CREEK
QUADRANGLE CENTER POINT 7.5' (TH) SHIRLEY 7.5' (BH) DISTRICT McELROY COUNTY TYLER
SURFACE OWNER FOREST & BRENDA MOORE ACREAGE 26.478 ACRES +/-
OIL & GAS ROYALTY OWNER RALPH SWEENEY ET UX; RALPH SWEENEY ET UX; M.V.B. GEORGE; ELIZA UNDERWOOD ET AL LEASE ACREAGE 25.668 ACRES+; 55.43 ACRES+; 300 ACRES+; 216 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) ___ PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 16,000' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

03/14/2014

Plot spotted
4709502157



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JP

Received

FEB 21 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Antero Resources Corporation

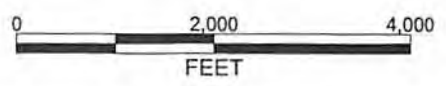
APPALACHIAN BASIN

Silas Unit 1H

Tyler County

REMARKS

QUADRANGLE: CENTER POINT
WATERSHED: MCELROY
DISTRICT: MCELROY



March 1, 2012