

LATITUDE 39°15'00"

11,367'

7,460' TO BOTTOM HOLE

LATITUDE 39°15'00"

LONGITUDE 80°50'00"

LONGITUDE 80°50'00"

Antero Resources Corporation
Well No. Mahogany Unit 1H

SHIRLEY J. WILLIAMS
W.B. 41 PG. 102
T.M. 12 PAR. 33
1.81 AC. ±

NOTE
1. NOT OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POLYVALENT HOUSING ARE LOCATED WITHIN ONE HUNDRED TWENTY-FIVE (125) FEET OF THE CENTER OF THE WELL PAD.

WELL NO. 1H
CHARLEY WILSON ET UX LEASE
JAMES E. WEBB
D.B. 221 PG. 17
T.M. 15 PAR. 3
84.89 AC. ±

LANDING POINT
N: 271642
E: 1610566

RALPH LEGGETT ET UX LEASE
STANLEY WEBB ET AL
D.B. 192 PG. 342
T.M. 15 PAR. 2
83.88 AC. ±

LAURA WHITE ET VIR LEASE
BETTY J. WHITEHAIR
A.P. 23 PG. 134
T.M. 15 PAR. 11
24.28 AC. ±

C.E. ROSS LEASE

JOHN K. DEBRULAR ET AL
D.B. 236 PG. 458
T.M. 15 PAR. 12
50 AC. ±

JEFFREY L. DEMOSS ET AL
D.B. 223 PG. 125
T.M. 15 PAR. 25.4
4.25 AC. ±

MARY MAXINE WELCH LEASE
C. HINZMAN ET AL
D.B. 209 PG. 35
T.M. 15 PAR. 25.1
24 AC. ±

WIL J. BURGESS
D.B. 281 PG. 701
T.M. 15 PAR. 25.2
10.64 AC. ±

GRAIG A. KONZMAN
D.B. 257 PG. 127
T.M. 15 PAR. 25.8
5.23 AC. ±

F.R. INGRAM ET AL LEASE

CECIL A. HINZMAN ET AL
D.B. 157 PG. 111
T.M. 15 PAR. 25.1
15 AC. ±

NAOMEL CUNNINGHAM
W.B. 34 PG. 453
T.M. 15 PAR. 29
116.10 AC. ±

GRAIG A. CUNNINGHAM
D.B. 293 PG. 330
T.M. 15 PAR. 29.2
10.84 AC. ±

C. HINZMAN ET AL
D.B. 203 PG. 334
T.M. 15 PAR. 26.1
8.94 AC. ±

DENNIS POWELL LEASE

COASTAL FOREST RES. CO.
D.B. 260 PG. 135
T.M. 1 PAR. 3
44.36 AC. ±

OPAL GRIBBLE LEASE

MARTHA JO CHACONAS ET AL
D.B. 211 PG. 49
T.M. 1 PAR. 2
45.74 AC. ±

ELAINE JAMES
A.P. 29 PG. 646
T.M. 1 PAR. 4
88.97 AC. ±

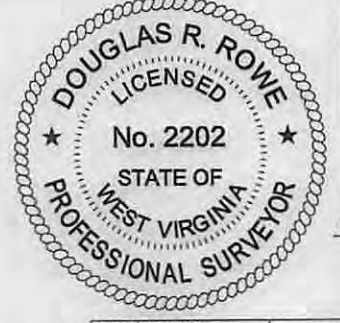
LEONAR BARTEE
W.B. 26 PG. 247
T.M. 1 PAR. 1
50.14 AC. ±

LEONA BROADWATER LEASE
JAMES E. WEBB ET AL
D.B. 285 PG. 412
T.M. 4 PAR. 19.8
82.54 AC. ±

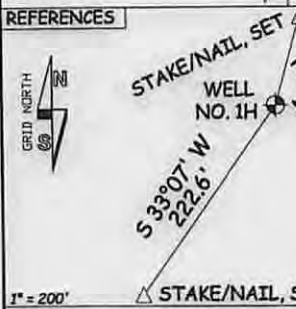
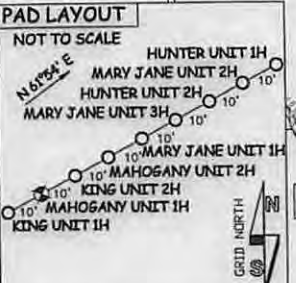
NOTE:
17 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PAD
WELL NO. 1H

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 271,959ft E: 1,610,985ft
LAT: 39°14'18.69" LON: 80°52'24.47"
BOTTOM HOLE INFORMATION:
N: 261,711ft E: 1,614,741ft
LAT: 39°12'37.97" LON: 80°51'34.77"
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: 4,343,263m E: 510,935m
BOTTOM HOLE INFORMATION:
N: 4,340,160m E: 512,131m



LINE	BEARING	DISTANCE
L1	N 72°15' E	1424.3'
L2	N 88°07' E	1588.6'
L3	S 35°12' E	1107.5'
L4	S 17°19' E	1023.9'
L5	S 01°48' W	1030.8'
L6	S 13°26' W	1368.1'
L7	S 14°41' W	1308.9'
L8	S 15°45' W	1051.0'
L9	S 19°07' W	1434.9'
L10	S 24°11' W	1332.7'
L11	S 26°13' W	1000.5'
L12	S 26°15' W	1517.4'
L13	S 32°47' W	1748.1'
L14	S 32°53' W	1605.3'
L15	S 35°35' W	1788.2'
L16	S 38°23' W	1844.9'
L17	S 42°08' W	1896.8'



API WELL # 47 - 017
STATE COUNTY PERMIT HWA-06705

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 AVE. PENNSBORO
WEST VIRGINIA 26415

JOB # 14-095WA
DRAWING # MAHOGANY1HR1
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

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

DATE 11/18/14
OPERATOR'S WELL# MAHOGANY UNIT #1H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 991.4' WATERSHED CABIN RUN

QUADRANGLE OXFORD 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER JAMES E. WEBB ACREAGE 84.89 ACRES +/-
OIL & GAS ROYALTY OWNER CHARLEY WILSON ET UX; RALPH LEGGETT ET UX; LAURA WHITE ET VIR; C.E. ROSS; MARY MAXINE WELCH; F.R. INGRAM ET AL; DENNIS POWELL; OPAL GRIBBLE; LEONA BROADWATER 80 ACRES +/- 25 ACRES +/- 130 ACRES +/- 44.36 ACRES +/- 50 ACRES +/- 180 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)
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 19,500' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

03/27/2015



17-06705

CENTRAL

CENTRAL

Access Road

PETRA 11/24/2014 3:42:15 PM

Received
Office of Oil & Gas
DEC 18 2014

Antero Resources Corporation

APPALACHIAN BASIN

Mahogany Unit 1H

Doddridge County, WV



REMARKS
QUADRANGLE: OXFORD
WATERSHED: CABIN RUN
DISTRICT: CENTRAL

November 24, 2014