



Antero Resources
Well No. Manzarek Unit 2H
Antero Resources Corporation

Well Location References

Scale: 1" = 300' 5/8" Rebar w/ Cap

Proposed Well No. Manzarek Unit 2H

Yvonne Drill Pad

James M. & Nick Petrovich 232/686 70 acres

Jason J. Boggs 256/125 66.87 Ac.

Mark Ziegenfuss 292/465 99.94 Ac.

Susan Walker, et al WB 41/641 88.65 acres

Wellhead Layout

S 26°27' W 10.0'

Brocade Unit 2H (47-017-5532)

Brocade Unit 1H (47-017-5531)

Proposed Manzarek Unit 2H

Manzarek Unit 3H (47-017-5533)

Manzarek Unit 1H (47-017-6549)

Burlington Unit 2H (47-017-6630)

Burlington Unit 1H (47-017-6629)

Walker Unit 3H (47-017-6668)

Walker Unit 2H (47-017-6667)

Walker Unit 1H (47-017-6666)

Detail Not to Scale

ID	TM/Par	Owner	Bk / Pg	Acres
1	2/16	David & Lucy Mae Sparling	219/213	20.95
2	4/4.2	David & Lucy Mae Sparling	219/213	10.69
3	4/4	David & Lucy Mae Sparling	219/213	20.75
4	2/15	Ronnie D. Smith, et al	253/696	23.07
5	2/14	Ronnie D. Smith & Thomas G. Smith	259/232	31.00
6	4/5	Yvonne Foster	WB 40/419	125.48
7	4/3.3	James A. Smith	266/94	20.00
8	4/19	Naomi Beagle, et al	AP 19/594	33.25
9	4/20	Stella E. Spencer, et al	103/53	31.50
10	4/4.1	David & Lucy Mae Sparling	219/213	31.50



FILE NO: 264-30(54)-M(G)-14

DRAWING NO: Manzarek 2H Well Plat 06-01-16

SCALE: 1" = 1500'

MINIMUM DEGREE OF ACCURACY: Submeter

PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: Proposed Grade-1227' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union

DISTRICT: West Union COUNTY: Doddridge

SURFACE OWNER: Yvonne Foster Diana Lynne Knight ACREAGE: 125.48 283; 73

ROYALTY OWNER: Freeman Paul Smith, et ux, et al; Bradford D. Reed, et ux LEASE NO: 22173; DAD38193 ACREAGE: 125; 126; 78.973

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,400' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,700' MD

WELL OPERATOR: Antero Resources Corporation

ADDRESS: 1615 Wynkoop Street Denver, CO 80202

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.

Kenneth J. Plum

Kenneth J. Plum, P.S. 2216

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: June 2 20 16

OPERATOR'S WELL NO. Manzarek Unit 2H

API WELL NO. H4A

47 - 017 - 06776

STATE COUNTY PERMIT

DESIGNATED AGENT: Dianna Stamper - CT Corporation System

ADDRESS: 5400 D Big Tyler Road Charleston, WV 25313

Notes:

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.

Well No. Manzarek Unit 2H Top Hole coordinates are N: 311,679.39' Latitude: 39°20'55.61" E: 1,640,994.90' Longitude: 80°46'10.23"

Bottom Hole coordinates are N: 318,596.76' Latitude: 39°22'03.62" E: 1,638,509.48' Longitude: 80°46'43.12"

UTM Zone 17, NAD 1983

Top Hole Coordinates Bottom Hole Coordinates N: 4,355,516.764m N: 4,357,611.509m E: 519,875.255m E: 519,082.910m

Plat orientation and corner and well references are based upon the grid north meridian.

Well location references are based upon the magnetic meridian.

Notes:

Well No. Manzarek Unit 2H UTM Zone 17, NAD 1927

Top Hole Coordinates N: 14,289,009.63' E: 1,705,576.77'

Point of Entry Coordinates N: 14,289,034.84' E: 1,705,726.51'

Bottom Hole Coordinates N: 14,295,882.19' E: 1,702,977.20'

	Bearing	Dist.
L1	N 81°25' E	151.9'
L2	S 36°41' E	759.6'
L3	N 87°28' W	590.6'
L4	N 66°35' W	2144.2'
L5	N 36°11' W	2751.9'



GRID NORTH

8,135' to Bottom Hole

5,649' to Top Hole

LATITUDE 39 - 22 - 30

LONGITUDE 80 - 45 - 00

9,472' to Top Hole

2,554' to Bottom Hole