

APPROVED

NAME: [Signature]

DATE: 11/16/16

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-017-06763 County Doddridge District West Union
Quad West Union 7.5' Pad Name Cofor Pad Field/Pool Name -----
Farm name Coastal Forest Resources Company Well Number Rainer Unit 2H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4350011m Easting 517240m
Landing Point of Curve Northing 4350152.43m Easting 517751.47m
Bottom Hole Northing 4347764m Easting 518715m

Elevation (ft) 1189' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Air - Foam & 4% KCL
Mud - Polymer

Date permit issued 1/25/2016 Date drilling commenced 2/4/2016 Date drilling ceased 2/25/2016
Date completion activities began 6/1/2016 Date completion activities ceased 7/16/2016
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 87' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 737', 750' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 367', 567' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

RBDMS12/09/2016
12/06/16

API 47-017 - 06763

Farm name Coastal Forest Resources Company Well number Rainer Unit 2H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	20"	40'	New	133# J-55	N/A	Y
Surface	17-1/2"	13-3/8"	373'	New	48# H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2484'	New	36# J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15959'	New	23# P-110	N/A	Y
Tubing		2-3/8"	7358'		4.7# N-80		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	193 sx	15.6	1.2	38	0'	8 Hrs.
Surface	Class A	430 sx	15.6	1.18	259	0'	8 Hrs.
Coal							
Intermediate 1	Class A	919 sx	15.6	1.18	778	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	sx (Lead) 1395 sx (Tail)	14.5 (Lead), 15.2 (Tail)	1.44 (Lead), 1.83 (Tail)	3202	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 15959' MD, 6792' TVD (BHL); 6881' TVD (Deepest Point Drilled)

Loggers TD (ft) 15909' MD

Deepest formation penetrated Marcellus

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6753'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Morton Unit 1H API #47-017-06559). Please reference the wireline logs submitted with Form WR-35 for Morton Unit 1H. A Cement Bond Log has been included with this submittal.

Check all wireline logs run caliper density deviated/directional induction neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0

Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

OCT 11 2016

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 017 - 06763 Farm name Coastal Forest Resources Company Well number Rainer Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6816' (TOP)</u> TVD	<u>7326' (TOP)</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3600 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 11557 mcfpd Oil 102 bpd NGL --- bpd Water 723 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor Patterson - UTI Drilling Company, LLC
Address 207 Carlton Dr. City Eighty-Four State PA Zip 15330

Logging Company Allied Horizontal Wireline Services
Address 380 Bedford Rd. City North Huntingdon State PA Zip 15642

Cementing Company Allied Oil & Gas Services, LLC
Address 1036 East Main St. City Bridgeport State WV Zip 26330

Stimulating Company US Well Services
Address 533 Industrial Park Dr. City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed By Kara Quackenbush Telephone 303-357-7233
Signature [Signature] Title Permitting Agent Date 10/4/2016

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

12/09/2016

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	1-Jun-16	15,690	15,857	60	Marcellus
2	1-Jun-16	15,492	15,659	60	Marcellus
3	1-Jun-16	15,294	15,461	60	Marcellus
4	2-Jun-16	15,096	15,263	60	Marcellus
5	2-Jun-16	14,898	15,065	60	Marcellus
6	2-Jun-16	14,700	14,867	60	Marcellus
7	3-Jun-16	14,502	14,669	60	Marcellus
8	3-Jun-16	14,304	14,471	60	Marcellus
9	3-Jun-16	14,105	14,273	60	Marcellus
10	4-Jun-16	13,907	14,074	60	Marcellus
11	4-Jun-16	13,709	13,876	60	Marcellus
12	4-Jun-16	13,511	13,678	60	Marcellus
13	4-Jun-16	13,313	13,480	60	Marcellus
14	5-Jun-16	13,115	13,282	60	Marcellus
15	5-Jun-16	12,917	13,084	60	Marcellus
16	5-Jun-16	12,719	12,886	60	Marcellus
17	5-Jun-16	12,521	12,688	60	Marcellus
18	6-Jun-16	12,323	12,490	60	Marcellus
19	6-Jun-16	12,125	12,292	60	Marcellus
20	6-Jun-16	11,927	12,094	60	Marcellus
21	6-Jun-16	11,729	11,896	60	Marcellus
22	7-Jun-16	11,531	11,698	60	Marcellus
23	7-Jun-16	11,333	11,500	60	Marcellus
24	7-Jun-16	11,135	11,302	60	Marcellus
25	7-Jun-16	10,937	11,104	60	Marcellus
26	7-Jun-16	10,738	10,906	60	Marcellus
27	8-Jun-16	10,540	10,707	60	Marcellus
28	8-Jun-16	10,342	10,509	60	Marcellus
29	8-Jun-16	10,144	10,311	60	Marcellus
30	8-Jun-16	9,946	10,113	60	Marcellus
31	9-Jun-16	9,748	9,915	60	Marcellus
32	9-Jun-16	9,550	9,717	60	Marcellus
33	9-Jun-16	9,352	9,519	60	Marcellus
34	9-Jun-16	9,154	9,321	60	Marcellus
35	10-Jun-16	8,956	9,123	60	Marcellus
36	10-Jun-16	8,758	8,925	60	Marcellus
37	10-Jun-16	8,560	8,727	60	Marcellus
38	10-Jun-16	8,362	8,529	60	Marcellus
39	11-Jun-16	8,164	8,331	60	Marcellus
40	11-Jun-16	7,966	8,133	60	Marcellus
41	11-Jun-16	7,768	7,935	60	Marcellus
42	11-Jun-16	7,569	7,737	60	Marcellus
43	11-Jun-16	7,371	7,538	60	Marcellus

API 47-017-06763 Farm Name Coastal Forest Resources Company Well Number Rainer Unit 2H

EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	1-Jun-16	68.0	7,362	0	4,456	350,700	8,318	N/A
2	1-Jun-16	70.0	7,314	5,718	4,399	351,800	8,399	N/A
3	1-Jun-16	71.9	7,278	5,311	4,917	352,100	8,357	N/A
4	2-Jun-16	68.9	7,175	5,404	4,796	351,300	8,318	N/A
5	2-Jun-16	71.3	7,171	5,271	4,495	350,900	9,334	N/A
6	2-Jun-16	72.9	7,503	6,051	5,604	351,380	8,363	N/A
7	3-Jun-16	72.7	7,246	5,314	5,060	351,940	8,314	N/A
8	3-Jun-16	68.3	7,072	5,486	4,681	351,200	8,256	N/A
9	3-Jun-16	74.2	7,329	5,407	4,828	351,700	8,332	N/A
10	4-Jun-16	73.6	7,388	5,414	5,085	353,580	8,299	N/A
11	4-Jun-16	70.6	7,197	5,407	4,932	351,500	9,241	N/A
12	4-Jun-16	74.8	7,333	5,225	4,499	350,900	8,249	N/A
13	4-Jun-16	73.2	7,454	5,454	5,461	352,460	8,295	N/A
14	5-Jun-16	72.4	7,434	5,497	5,329	350,340	8,150	N/A
15	5-Jun-16	72.6	7,436	5,729	4,756	351,300	9,424	N/A
16	5-Jun-16	69.5	7,478	5,758	5,035	342,500	9,455	N/A
17	5-Jun-16	70.1	7,301	5,533	5,368	351,455	8,179	N/A
18	6-Jun-16	70.7	7,312	5,661	5,329	351,570	8,170	N/A
19	6-Jun-16	67.9	7,271	5,840	4,746	313,300	9,415	N/A
20	6-Jun-16	69.5	7,019	5,575	4,967	351,300	8,130	N/A
21	6-Jun-16	70.7	7,233	5,927	4,896	351,125	8,105	N/A
22	7-Jun-16	71.3	7,116	5,608	5,002	350,880	8,087	N/A
23	7-Jun-16	68.8	6,956	5,769	5,196	350,500	8,092	N/A
24	7-Jun-16	69.0	7,112	5,314	4,799	316,300	9,462	N/A
25	7-Jun-16	73.7	7,119	5,501	4,993	350,755	8,054	N/A
26	7-Jun-16	71.8	7,045	5,871	4,445	349,745	8,058	N/A
27	8-Jun-16	70.8	7,081	5,833	3,837	350,800	8,042	N/A
28	8-Jun-16	70.3	6,949	5,822	4,456	349,600	8,024	N/A
29	8-Jun-16	70.1	6,996	5,550	4,900	349,500	8,001	N/A
30	8-Jun-16	71.5	7,287	5,413	4,231	295,765	9,663	N/A
31	9-Jun-16	72.4	7,066	5,613	4,733	351,020	8,012	N/A
32	9-Jun-16	72.8	7,152	5,490	3,809	349,000	9,504	N/A
33	9-Jun-16	71.2	6,793	5,393	5,143	349,200	7,966	N/A
34	9-Jun-16	72.5	7,171	5,536	4,109	350,060	9,501	N/A
35	10-Jun-16	72.7	7,027	5,628	4,651	350,880	7,906	N/A
36	10-Jun-16	69.9	6,792	5,343	3,694	350,100	7,949	N/A
37	10-Jun-16	69.0	6,980	5,611	4,796	306,900	8,757	N/A
38	10-Jun-16	72.3	7,122	5,444	4,731	351,640	7,886	N/A
39	11-Jun-16	72.5	7,261	5,289	5,011	348,425	8,910	N/A
40	11-Jun-16	69.3	7,104	5,819	4,603	349,685	7,898	N/A
41	11-Jun-16	69.2	6,621	5,547	4,835	349,600	7,873	N/A
42	11-Jun-16	71.3	6,799	5,683	4,531	350,700	7,889	N/A
43	11-Jun-16	68.2	6,798	5,897	4,374	326,775	7,599	N/A
AVG=		71.0	7,155	5,441	4,756	14,882,180	8,424	TOTAL

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Fresh Water	87'	N/A	87'	N/A
Sandstone	0	107	0	107
Shale	est. 107	147	est. 107	147
Sandstone	est. 147	205	est. 147	205
Shale	est. 205	367	est. 205	367
Sandstone and Coal	est. 367	447	est. 367	447
Shale	est. 447	485	est. 447	485
Sandstone	est. 485	507	est. 485	507
Shale	est. 507	567	est. 507	567
Coal & Shale	est. 567	587	est. 567	587
Shale	est. 587	687	est. 587	687
Sandstone/Siltstone	est. 687	827	est. 687	827
Shale	est. 827	1007	est. 827	1007
Sandstone	est. 1007	1025	est. 1007	1025
Shale	est. 1025	1107	est. 1025	1107
Sandstone	est. 1107	1147	est. 1107	1147
Shale	est. 1147	1247	est. 1147	1247
Shale and Trace Coal	est. 1247	1267	est. 1247	1267
Shale	est. 1267	1327	est. 1267	1327
Sandstone	est. 1327	1346	est. 1327	1346
Shale	est. 1346	1467	est. 1346	1467
Sandstone/Siltstone	est. 1467	1567	est. 1467	1567
Siltstone/Shale/Trace coal	est. 1567	1666	est. 1567	1666
Sandstone	est. 1666	1727	est. 1666	1727
Shale/Sandstone/Trace Coal	est. 1727	1846	est. 1727	1846
Shale	est. 1846	1988	est. 1846	1988
Siltstone/Shale/Sandstone	est. 1988	2125	est. 1988	2125
Shale/Limestone	est. 2125	2162	est. 2125	2167
Big Lime	2162	2661	2167	2666
Gantz Sand	2661	2765	2666	2770
Fifty Foot Sandstone	2765	2866	2770	2872
Gordon	2866	3199	2872	3209
Fifth Sandstone	3199	3933	3209	4069
Speechley	3933	4301	4069	4408
Baltown	4301	4711	4408	4859
Bradford	4711	5168	4859	5370
Benson	5168	5437	5370	5668
Alexander	5437	5621	5668	5870
Elk	5621	6123	5870	6419
Rhinestreet	6123	6431	6419	6761
Sycamore	6431	6610	6761	6975
Middlesex	6610	6745	6975	7175
Burkett	6745	6773	7175	7232
Tully	6773	6816	7232	7326
Marcellus	6816	NA	7326	NA

*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/1/2016
Job End Date:	6/11/2016
State:	West Virginia
County:	Doddridge
API Number:	47-017-06763-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Rainer 2H
Latitude:	39.29930800
Longitude:	-80.80006100
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,881
Total Base Water Volume (gal):	15,732,020
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Antero Resources	Base Fluid	Water	7732-18-5	100.00000	89.53855	
Sand	U.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	10.15608	
HCL Acid (12.6%-18.0%)	U.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.50000	0.12935	
			Hydrogen Chloride	7647-01-0	18.00000	0.03090	
WFRA-405	U.S. Well Services	Friction Reducer	Water	7732-18-5	60.00000	0.03824	
			2-Propenoic acid, polymer with 2 propenamide	9003-06-9	30.00000	0.01912	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01539	
			Ethoxylated alcohol blend	68002-97-1	4.00000	0.00255	
LGC-15	U.S. Well Services	Gelling Agents	Guar Gum	9000-30-0	50.00000	0.02102	
			Petroleum Distillates	64742-47-8	60.00000	0.01991	
			Suspending agent (solid)	14808-60-7	3.00000	0.00321	

Office of Mineral Gas
 WV Department of
 Environmental Protection
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			Surfactant	68439-51-0	3.00000	0.00126
SI-1100s	U.S. Well Services	Scale Inhibitor				
			Water	7732-18-5	80.00000	0.01012
			Copolymer of Maleic and Acrylic acid	52255-49-9	10.00000	0.00149
			Potassium salt of diethylene triamine penta (methylene phosphonic acid)	15827-60-8	7.50000	0.00128
			Phosphino carboxylic acid polymer	71050-62-9	5.00000	0.00082
			Hexamethylene tramine penta (methylene phosphonic acid)	34690-00-1	5.00000	0.00082
			Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5	2.00000	0.00033
BIOCLEAR 2000	U.S. Well Services	Anti-Bacterial Agent				
			2,2-dibromo-3-nitrilopropionamide	10222-01-2	30.00000	0.00615
			Deionized Water	7732-18-5	28.00000	0.00234
AP One	U.S. Well Services	Gel Breakers				
			Ammonium Persulfate	7727-54-0	100.00000	0.00073
AI-302	U.S. Well Services	Acid Corrosion Inhibitors				
			Water	7732-18-5	95.00000	0.00028
			2-Propyn-1-olcompound with methyloxirane	38172-91-7	15.00000	0.00004

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

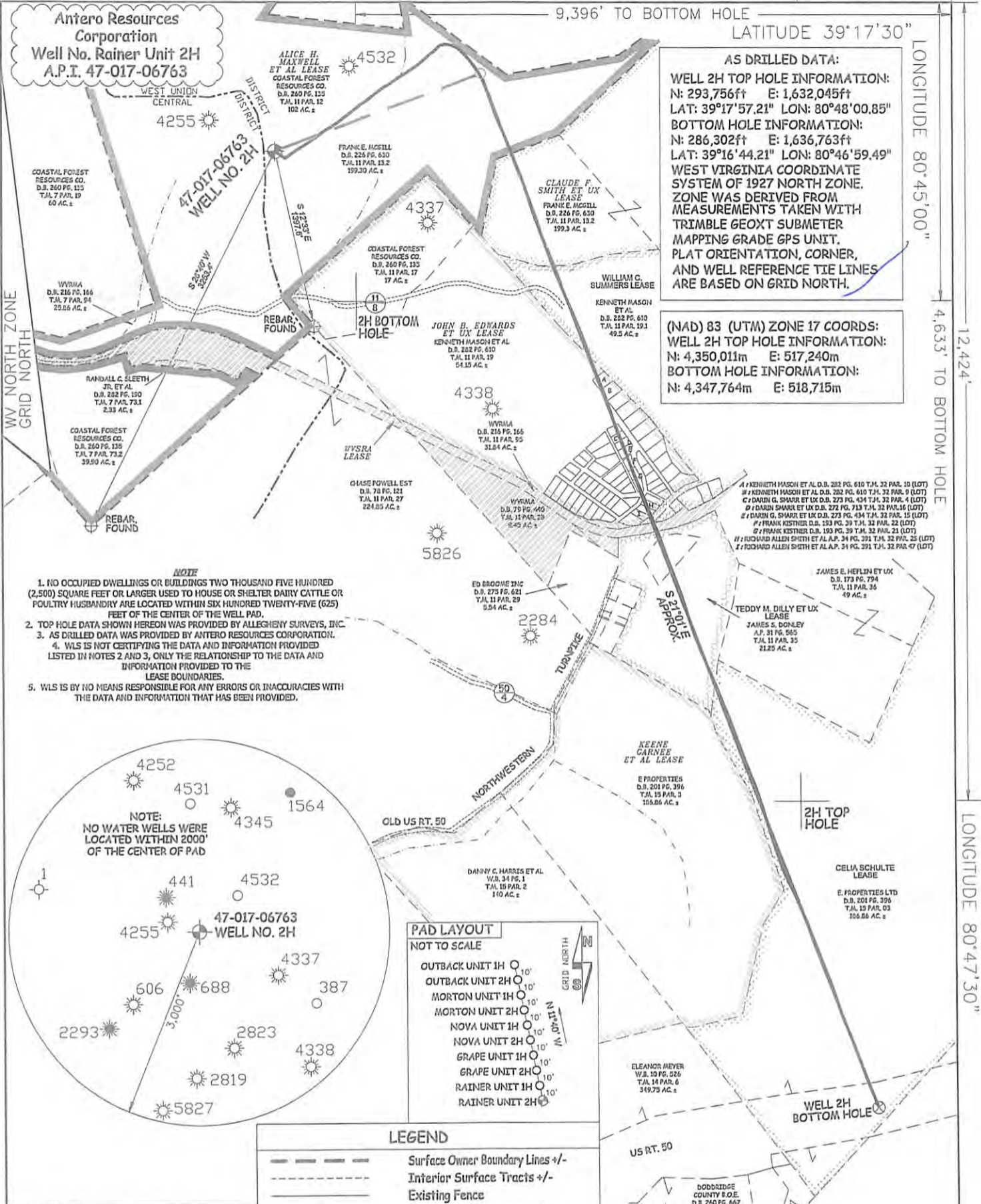
** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

LATITUDE 39°20'00" 2,425'

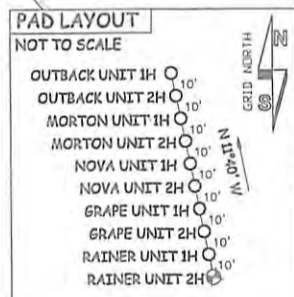
9,396' TO BOTTOM HOLE LATITUDE 39°17'30" LONGITUDE 80°45'00"



AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
 N: 293,756ft E: 1,632,045ft
 LAT: 39°17'57.21" LON: 80°48'00.85"
BOTTOM HOLE INFORMATION:
 N: 286,302ft E: 1,636,763ft
 LAT: 39°16'44.21" LON: 80°46'59.49"
 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 2H TOP HOLE INFORMATION:
 N: 4,350,011m E: 517,240m
BOTTOM HOLE INFORMATION:
 N: 4,347,764m E: 518,715m

- NOTE**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.



LEGEND

	Surface Owner Boundary Lines +/-
	Interior Surface Tracts +/-
	Existing Fence
	Found monument, as noted
	Proposed Well Path
	As Drilled Well Path

JOB # 15-035WA
 DRAWING # RAINER2HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

DATE 09/13/16
 OPERATOR'S WELL# RAINER2H

API WELL # 47 - 017 - 06763
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,221' - ORIGINAL 1,189' - PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE WEST UNION 7.5' DISTRICT WEST UNION COUNTY DODDRIDGE
 SURFACE OWNER COASTAL FOREST RESOURCES COMPANY ACREAGE 102 ACRES +/-
 OIL & GAS ROYALTY OWNER ALICE H. MAXWELL ET AL; CLAUDE F. SMITH ET UX; LEASE ACREAGE 420 AC±; 108 AC±;
 WILLIAM C. SUMMERS; JOHN B. EDWARDS ET UX; WVSRA; TEDDY M. DILLY ET UX; CELIA SCHULTE 49 AC±; 92 AC±; 301.19 AC±; 23 AC±; 200 AC±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,792' TVD 15,959' 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 25313

12/09/2016

COUNTY NAME PERMIT

LATITUDE 39°20'00"

2,425'

9,396' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°45'00"

12,424'

4,633' TO BOTTOM HOLE

LONGITUDE 80°47'30"

