

RECEIVED

JUL 27 2015

WR-35
Rev. 8/23/13

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Page ___ of ___

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

API 47 - 017 - 06465 County Doddridge District Central
Quad Oxford 7.5' Pad Name Fritz Pad Field/Pool Name ----
Farm name Horton, Judy A. Well Number Hayden Unit 2H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop St. 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 4342777m Easting 513814m
Landing Point of Curve Northing 4343076.52m Easting 514259.32m
Bottom Hole Northing 4345419m Easting 513140m

Elevation (ft) 1053' 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 3/12/2014 Date drilling commenced 5/21/2014 Date drilling ceased 8/4/2014
Date completion activities began 10/20/2014 Date completion activities ceased 1/18/2015
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 97' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1143', 1529' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 1429' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by: _____

JUL 27 2015

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

WR-35
Rev. 8/23/13

Page ___ of ___

API 47-017 - 06465 Farm name Horton, Judy A. Well number Hayden 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	24"	20"	90'	New	94# K-55	N/A	Y
Surface	17- 1/2"	13- 3/8"	357'	New	48# H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2556'	New	36# J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	15888'	New	23# P-110	N/A	Y
Tubing		2-3/8"	7004'		4.7# N-80	N/A	
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 ²)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	280 sx	15.6	1.18	86	0'	8 Hrs.
Surface	Class A	430 sx	15.6	1.18	248	0'	8 Hrs.
Coal							
Intermediate 1	Class A	949 sx	15.6	1.18	801	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	810 sx (Lead) 1543 sx (Tail)	13.5 Lead 15.2 Tail	1.44 Lead 1.8 Tail	3174	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 15888' MD, 6674' TVD (BHL); 6691' TVD (Deepest point drilled) Loggers TD (ft) 15841'
Deepest formation penetrated Marcellus Plug back to (ft) N/A
Plug back procedure N/A

Kick off depth (ft) 5793'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Washington Unit 2H API#47-017-06371). Please reference the wireline logs submitted with Form WR-35 for Washington Unit 2H. 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 _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

JUL 27 2015

WR-35 WV GEOLOGICAL SURVEY
Rev. 8/23/13 MORGANTOWN, WV

API 47- 017 - 06465 Farm name Horton, Judy A. Well number Hayden Unit 2H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	6525' (TOP) TVD	7088' (TOP) 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 8745 mcfpd Oil 5 bpd NGL --- bpd Water 0 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	0		0		
*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 STRC
Address 1560 Good Hope Pike City Clarksburg State WV Zip 26301

Cementing Company Allied Oil & Gas Services, LLC
Address 1036 East Main Street 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 Permit Representative Date 7/22/2015

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	20-Oct-14	15,632	15,798	60	Marcellus
2	21-Oct-14	15,434	15,601	60	Marcellus
3	22-Oct-14	15,236	15,403	60	Marcellus
4	22-Oct-14	15,039	15,205	60	Marcellus
5	22-Oct-14	14,841	15,008	60	Marcellus
6	23-Oct-14	14,643	14,810	60	Marcellus
7	23-Oct-14	14,446	14,612	60	Marcellus
8	23-Oct-14	14,248	14,415	60	Marcellus
9	23-Oct-14	14,050	14,217	60	Marcellus
10	24-Oct-14	13,853	14,019	60	Marcellus
11	24-Oct-14	13,655	13,822	60	Marcellus
12	24-Oct-14	13,457	13,624	60	Marcellus
13	25-Oct-14	13,260	13,426	60	Marcellus
14	25-Oct-14	13,062	13,229	60	Marcellus
15	25-Oct-14	12,864	13,031	60	Marcellus
16	11-Nov-14	12,667	12,833	60	Marcellus
17	12-Nov-14	12,469	12,636	60	Marcellus
18	12-Nov-14	12,271	12,438	60	Marcellus
19	13-Nov-14	12,074	12,240	60	Marcellus
20	13-Nov-14	11,876	12,043	60	Marcellus
21	13-Nov-14	11,678	11,845	60	Marcellus
22	13-Nov-14	11,481	11,647	60	Marcellus
23	14-Nov-14	11,283	11,450	60	Marcellus
24	15-Nov-14	11,085	11,252	60	Marcellus
25	15-Nov-14	10,888	11,054	60	Marcellus
26	16-Nov-14	10,690	10,857	60	Marcellus
27	16-Nov-14	10,492	10,659	60	Marcellus
28	16-Nov-14	10,295	10,461	60	Marcellus
29	16-Nov-14	10,097	10,264	60	Marcellus
30	17-Nov-14	9,899	10,066	60	Marcellus
31	17-Nov-14	9,702	9,868	60	Marcellus
32	17-Nov-14	9,504	9,671	60	Marcellus
33	17-Nov-14	9,306	9,473	60	Marcellus
34	18-Nov-14	9,109	9,275	60	Marcellus
35	18-Nov-14	8,911	9,078	60	Marcellus
36	18-Nov-14	8,713	8,880	60	Marcellus
37	19-Nov-14	8,516	8,682	60	Marcellus
38	19-Nov-14	8,318	8,485	60	Marcellus
39	19-Nov-14	8,120	8,287	60	Marcellus
40	20-Nov-14	7,923	8,089	60	Marcellus
41	20-Nov-14	7,725	7,892	60	Marcellus
42	20-Nov-14	7,527	7,694	60	Marcellus
43	20-Nov-14	7,330	7,496	60	Marcellus
44	21-Jan-14	7,132	7,299	60	Marcellus

RECEIVED
 JUL 27 2015
 WV GEOLOGICAL SURVEY
 MOREHEAD TOWN, WV

RECEIVED

JUL 27 2015

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

API 47-017-06465 Farm Name Horton, Judy A. Well Number Hayden 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	21-Oct-14	64.0	7,021	N/A	4,957	240,060	6,780	N/A
2	21-Oct-14	66.0	6,656	6,205	4,256	233,920	6,671	N/A
3	22-Oct-14	64.0	6,572	5,679	4,538	228,200	7,142	N/A
4	22-Oct-14	65.0	7,108	5,736	5,132	233,900	6,622	N/A
5	22-Oct-14	64.0	6,949	5,783	4,864	234,610	6,608	N/A
6	23-Oct-14	64.0	6,899	5,819	4,617	211,900	6,161	N/A
7	23-Oct-14	64.0	6,912	5,658	5,085	233,930	6,531	N/A
8	23-Oct-14	64.0	6,657	5,672	4,767	235,820	6,556	N/A
9	24-Oct-14	64.0	6,948	5,547	5,111	235,120	6,563	N/A
10	24-Oct-14	64.0	6,896	5,500	4,849	232,860	6,470	N/A
11	24-Oct-14	61.0	7,299	5,844	4,663	212,840	6,980	N/A
12	24-Oct-14	64.0	6,810	5,626	4,284	235,110	6,463	N/A
13	25-Oct-14	65.0	6,685	5,204	4,942	237,180	6,446	N/A
14	25-Oct-14	63.0	7,189	5,572	4,585	199,490	6,618	N/A
15	25-Oct-14	62.0	7,604	5,697	4,474	236,670	6,857	N/A
16	11-Nov-14	43.4	6,970	5,722	4,710	2,340	6,361	N/A
17	12-Nov-14	65.7	7,206	5,357	4,996	154,510	5,991	N/A
18	12-Nov-14	63.0	6,567	5,379	5,268	198,360	6,487	N/A
19	13-Nov-14	62.7	6,621	5,597	4,900	235,990	6,108	N/A
20	13-Nov-14	62.0	6,674	5,067	5,078	235,210	6,113	N/A
21	13-Nov-14	61.0	6,550	5,511	5,482	234,934	6,032	N/A
22	14-Nov-14	62.0	6,756	5,461	4,646	236,144	6,124	N/A
23	14-Nov-14	59.4	6,980	5,736	5,475	191,725	8,699	N/A
24	15-Nov-14	61.0	6,788	5,322	4,717	235,677	6,009	N/A
25	16-Nov-14	61.0	6,825	5,622	5,111	201,720	5,618	N/A
26	16-Nov-14	62.9	6,611	5,293	5,150	218,570	5,803	N/A
27	16-Nov-14	63.1	6,493	5,243	5,161	235,980	5,969	N/A
28	16-Nov-14	62.0	6,378	5,368	5,003	235,270	5,882	N/A
29	17-Nov-14	63.0	6,109	5,064	5,085	231,240	5,940	N/A
30	17-Nov-14	63.0	6,674	5,879	5,271	176,530	6,298	N/A
31	17-Nov-14	64.0	5,983	5,357	5,168	235,280	5,878	N/A
32	17-Nov-14	62.0	6,058	5,389	4,399	233,630	5,848	N/A
33	18-Nov-14	62.0	6,675	5,947	5,225	226,198	6,351	N/A
34	18-Nov-14	63.0	6,139	5,078	5,575	231,622	5,818	N/A
35	18-Nov-14	64.0	6,234	5,085	5,232	237,720	5,712	N/A
36	18-Nov-14	61.0	6,129	5,161	4,925	231,800	5,712	N/A
37	19-Nov-14	64.0	6,401	5,366	5,500	234,320	6,086	N/A
38	19-Nov-14	62.0	6,303	5,361	5,347	233,440	5,755	N/A
39	20-Nov-14	62.0	6,221	5,450	5,211	234,266	5,742	N/A
40	20-Nov-14	63.0	6,241	4,853	5,157	217,534	5,657	N/A
41	20-Nov-14	63.0	6,155	5,375	4,542	235,540	5,769	N/A
42	20-Nov-14	64.0	6,310	5,468	4,867	235,220	5,655	N/A
43	21-Nov-14	63.0	6,394	5,189	4,689	224,140	5,670	N/A
44	21-Nov-14	63.0	6,231	6,373	3,909	229,640	5,483	N/A
AVG=		62.6	6,634	5,503	4,930	9,706,160	274,038	TOTAL

RECEIVED
JUL 27 2015

W. GEOLOGICAL SURVEY
MORGANTOWN, WV

API 47-017-06465 Farm Name Horton, Judy A. Well Number Hayden Unit 2H

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	97'	N/A	97'	N/A
Siltstone/Sandstone	0	109	0	109
Shale/ Siltstone	est. 109	169	est. 109	169
Siltstone/ Trace Coal	est. 169	329	est. 169	329
Siltstone/ Shale	est. 329	429	est. 329	429
Shale	est. 429	509	est. 429	509
Sandstone	est. 509	549	est. 509	549
Shale/ Siltstone	est. 549	629	est. 549	629
Limestone/ Shale	est. 629	689	est. 629	689
Shale/ Siltstone	est. 689	829	est. 689	829
Shale/ Limestone	est. 829	909	est. 829	909
Sandstone	est. 909	969	est. 909	969
Shale	est. 969	1089	est. 969	1089
Siltstone/ Trace Coal	est. 1089	1429	est. 1089	1429
Coal	est. 1429	1549	est. 1429	1549
Siltstone/ Trace Coal	est. 1549	1689	est. 1549	1689
Shale/ Siltstone	est. 1689	1909	est. 1689	1909
Sandstone	est. 1909	1949	est. 1909	1951
Big Lime	1949	2067	1951	2069
Big Injun	2067	2429	2069	2431
Gantz Sand	2429	2569	2431	2571
Fifty Foot Sandstone	2569	2675	2571	2677
Gordon	2675	2964	2677	2968
Fifth Sandstone	2964	2995	2968	3000
Bayard	2995	3371	3000	3398
Warren	3371	3718	3398	3783
Speechley	3718	4008	3783	4104
Baltown	4008	4549	4104	4702
Bradford	4549	4981	4702	5179
Benson	4981	5242	5179	5465
Alexander	5242	5415	5465	5652
Elk	5415	5880	5652	6176
Rhinestreet	5880	6158	6176	6511
Sycamore	6158	6334	6511	6724
Middlesex	6334	6461	6724	6927
Burkett	6461	6490	6927	6989
Tully	6490	6525	6989	7088
Marcellus	6525	NA	7088	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.

RECEIVED
JUL 27 2015

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/21/2014
Job End Date:	11/21/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06465-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Hayden Unit 2H
Longitude:	-80.84011400
Latitude:	39.23411100
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,689
Total Base Water Volume (gal):	11,509,596
Total Base Non Water Volume:	498,152



Hydraulic Fracturing Fluid Composition:

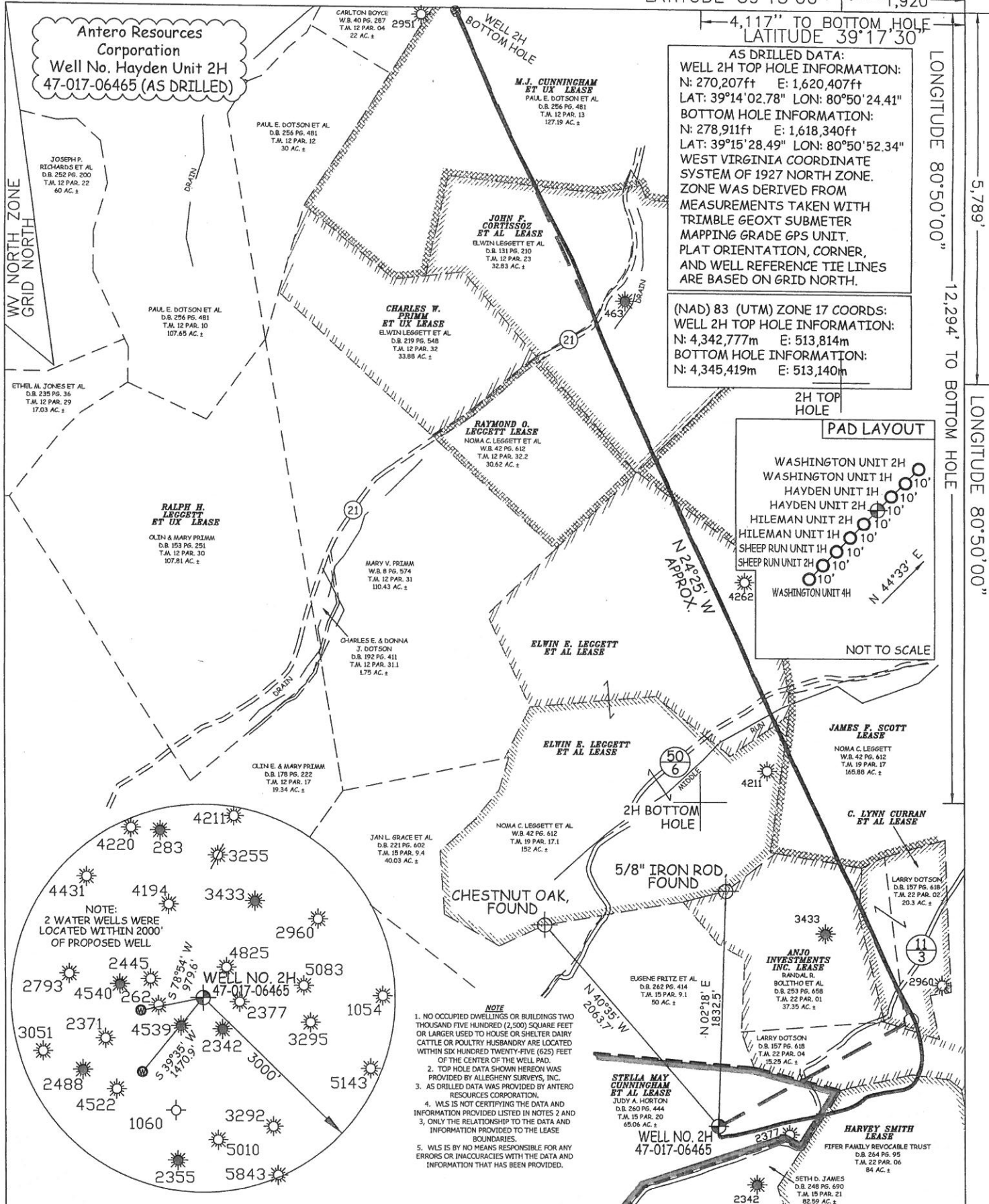
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Antero Resources	Base Fluid	Water	7732-18-5	100.00000	90.46079	
Sand	U.S. Well Services, LLC	Proppant					
LGC-15	U.S. Well Services, LLC	Gelling Agents	Crystalline Silica, quartz	14808-60-7	100.00000	9.14706	
			Guar Gum	9000-30-0	50.00000	0.07459	
			Petroleum Distillates	64742-47-8	60.00000	0.07064	
			Suspending agent (solid)	14808-60-7	3.00000	0.01141	
			Surfactant	68439-51-0	3.00000	0.00448	
HCL Acid (12.6%-18.0%)	U.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.50000	0.09275	
			Hydrogen Chloride	7647-01-1	18.00000	0.02215	
WFRA-405	U.S. Well Services, LLC	Friction Reducer					
			Anionic Polyacrylamide	Proprietary	40.00000	0.02710	
			Water	7732-18-5	40.00000	0.02710	
			Petroleum Distillates	64742-47-8	40.00000	0.02182	
			Crystalline Salt	12125-02-9	5.00000	0.00339	

RECEIVED
 JUL 27 2015
 WV GEOLOGICAL SURVEY
 MORGANTOWN, WV

SI-1100	J.S. Well Services	Scale Inhibitor	Ethoxylated alcohol blend	Proprietary	5.00000	0.00339
			Di Water	7732-18-5	80.00000	0.01002
			Ethylene Glycol	107-21-1	40.00000	0.00566
			Potassium salt of diethylene triamine penta (methylene phosphonic acid)	15827-60-8	10.00000	0.00169
			2-Phosphonobutane 1,2,4 tricarboxylic salt	37971-36-1	10.00000	0.00162
			hexamethylenediamine tetra (methylene phosphonic acid)	38820-59-6	10.00000	0.00157
			Copolymer of Maleic and Acrylic acid	26677-99-6	10.00000	0.00148
			bis (hexamethylene) trimine penta (methylene phosphonic acid) - phosphate acid	40623-75-4	10.00000	0.00144
			Acrylic polymer	52255-49-9	5.00000	0.00063
K-BAC 1020	J.S. Well Services, LLC	Anti-Bacterial Agent				
			2,2-dibromo-3-nitropropanamide	10222-01-2	20.00000	0.00420
			Deionized Water	7732-18-5	28.00000	0.00240
AP One	J.S. Well Services, LLC	Gel Breakers				
			Ammonium Persulfate	7727-54-0	100.00000	0.00226
AI-301	J.S. Well Services, LLC	Acid Corrosion Inhibitors				
			Diethylene Glycol	111-46-6	30.00000	0.00014
			Methenamine	100-97-0	20.00000	0.00011
			Hydrogen Chloride	7647-01-0	10.00000	0.00005
			Polyethylene polyamine	68603-67-8	10.00000	0.00004
			Coco amine	61791-14-8	5.00000	0.00002
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.						

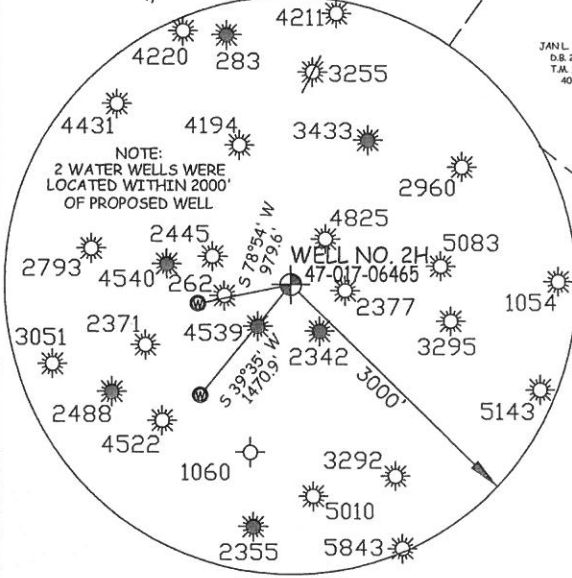
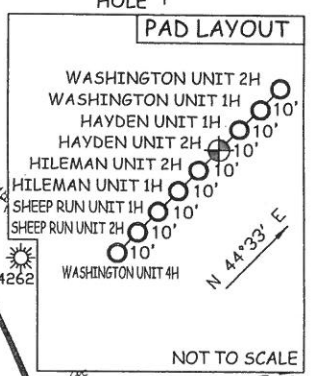
* Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%

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)



AS DRILLED DATA:
 WELL 2H TOP HOLE INFORMATION:
 N: 270,207ft E: 1,620,407ft
 LAT: 39°14'02.78" N LON: 80°50'24.41"
 BOTTOM HOLE INFORMATION:
 N: 278,911ft E: 1,618,340ft
 LAT: 39°15'28.49" N LON: 80°50'52.34"
 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: 4,342,777m E: 513,814m
 BOTTOM HOLE INFORMATION:
 N: 4,345,419m E: 513,140m



NOTE

- 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.
- TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
- AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
- W/S 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.
- W/S IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # 13-074WA
 DRAWING # HAYDEN2HAD
 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
 P.O. BOX 17
 PENNSBORO, WV 26415

LEGEND

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

DATE 07/09/15
 OPERATOR'S WELL # HAYDEN UNIT #2H
 API WELL # 47-017-06465

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 1,066' ORIGINAL - 1,053' AS-DRILLED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE OXFORD 7.5' (TOP HOLE) WEST UNION 7.5' (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE
 SURFACE OWNER JUDY A. HORTON ACREAGE 65.06 ACRES +/-
 OIL & GAS ROYALTY OWNER STELLA MAY CUNNINGHAM ET AL; HARVEY SMITH; ANJO INVESTMENTS INC; LEASE ACREAGE 65 ACRES±; 450 ACRES±; 50 ACRES±;
C. LYNN CURRAN ET AL; JAMES F. SCOTT; ELWIN E. LEGGETT ET AL; ELWIN E. LEGGETT ET AL; JOHN F. CORTISSOZ ET AL; M.J. CUNNINGHAM ET UX 35 ACRES±; 165 ACRES±; 79 ACRES±; 71 ACRES±; 79.5 ACRES±; 228 ACRES±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) (X) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,674' TVD 15,888' 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

COUNTY NAME PERMIT