

AM

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Office of Oil and Gas
MAY 18 2015

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

WV Department of
Environmental Protection

API 47-017-06238 County Doddridge District New Milton
Quad New Milton 7.5' Pad Name Stewart Pad Field/Pool Name _____
Farm name Stewart, Randall Well Number Cross Unit 1H
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 4,337,767m Easting 529,255m
Landing Point of Curve Northing 4,337,916.60m Easting 529,076.69m
Bottom Hole Northing 4,339,970m Easting 528,440m

Elevation (ft) 1,334' 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 05/02/2013 Date drilling commenced 10/23/2013 Date drilling ceased 03/11/2014
Date completion activities began 04/09/2014 Date completion activities ceased 07/12/2014
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 404' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 962', 1217' Void(s) encountered (Y/N) depths None
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths None
Is coal being mined in area (Y/N) No

Reviewed by:
L.L. 5/26/15 ✓
W.S. 06/05/2015

WR-35
Rev. 8/23/13

API 47-017 - 06238 Farm name Stewart, Randall Well number Cross Unit 1H

WV Department of Environmental Protection
Did cement circulate (Y/N) * Provide details below*

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"	40'	New	94#; J-55	N/A	Yes
Surface	17 1/2"	13 3/8"	480'	New	54.5#; J-55	N/A	Yes
Coal							
Intermediate 1	12 1/4"	9 5/8"	2,574'	New	36#; J-55	N/A	Yes
Intermediate 2							
Intermediate 3							
Production	8 3/4" & 8 1/2"	5 1/2"	14,948'	New	20#; P-110	N/A	Yes
Tubing		2 3/8"	7,492'	New	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 ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	150 sx	15.6	1.18	38	0'	8 Hrs.
Surface	Class A	568 sx	15.6	1.18	333	0'	8 Hrs.
Coal							
Intermediate 1	Class A	738 sx	15.6	1.18	806	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	1,172 sx (Lead); 1,160 sx (Tail)	14.2 (Lead); 15.2 (Tail)	1.3 (Lead); 1.86 (Tail)	2,949	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14,948' MD, 7,347' TVD (BHL) 7,354' TVD (Deepest Point Drilled) Loggers TD (ft) 14,906'
Deepest formation penetrated Marcellus Plug back to (ft) N/A
Plug back procedure N/A

Kick off depth (ft) 6,700'

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 _____

API 47- 017 - 06238 Farm name Stewart, Randall Well number Cross Unit 1H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	7,297' (top) TVD	7,586' (top) MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3,950 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 8,870 mcfpd Oil _____ bpd NGL _____ bpd Water 401 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	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	
	0		0		
* PLEASE SEE ATTACHED EXHIBIT 3					

Please insert additional pages as applicable.

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

Logging Company Rush Wellsite Services
Address 600 Alpha Drive City Canonsburg State PA Zip 15317

Cementing Company Nabors Completion & Production Services, Co.
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

Stimulating Company GoFrac
Address 62787 Philips Rd. City Cambridge State OH Zip 43725

Please insert additional pages as applicable.

Completed by Megan Darling Telephone 303-357-7230
Signature Megan C. Darling Title Permitting Agent Date 05/15/2015

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

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API 47-017-06238 Farm Name Stewart, Randall Well Number Cross Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	9-Apr-14	14,690	14,860	60	Marcellus
2	12-May-14	14,488	14,658	60	Marcellus
3	12-May-14	14,286	14,457	60	Marcellus
4	12-May-14	14,085	14,255	60	Marcellus
5	13-May-14	13,883	14,053	60	Marcellus
6	13-May-14	13,681	13,851	60	Marcellus
7	13-May-14	13,479	13,650	60	Marcellus
8	14-May-14	13,278	13,448	60	Marcellus
9	14-May-14	13,076	13,246	60	Marcellus
10	14-May-14	12,874	13,044	60	Marcellus
11	15-May-14	12,672	12,843	60	Marcellus
12	16-May-14	12,471	12,641	60	Marcellus
13	16-May-14	12,269	12,439	60	Marcellus
14	17-May-14	12,067	12,237	60	Marcellus
15	17-May-14	11,865	12,036	60	Marcellus
16	17-May-14	11,664	11,834	60	Marcellus
17	17-May-14	11,462	11,632	60	Marcellus
18	17-May-14	11,260	11,430	60	Marcellus
19	17-May-14	11,058	11,229	60	Marcellus
20	18-May-14	10,857	11,027	60	Marcellus
21	23-May-14	10,655	10,825	60	Marcellus
22	23-May-14	10,453	10,623	60	Marcellus
23	23-May-14	10,251	10,422	60	Marcellus
24	24-May-14	10,050	10,220	60	Marcellus
25	24-May-14	9,848	10,018	60	Marcellus
26	26-May-14	9,646	9,816	60	Marcellus
27	26-May-14	9,444	9,615	60	Marcellus
28	27-May-14	9,243	9,413	60	Marcellus
29	27-May-14	9,041	9,211	60	Marcellus
30	27-May-14	8,839	9,009	60	Marcellus
31	28-May-14	8,637	8,808	60	Marcellus
32	28-May-14	8,436	8,606	60	Marcellus
33	29-May-14	8,234	8,404	60	Marcellus
34	29-May-14	8,032	8,202	60	Marcellus
35	29-May-14	7,830	8,001	60	Marcellus
36	30-May-14	7,629	7,799	60	Marcellus

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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	12-May-14	49.7	8,711	6,755	5,181	4,275	6,290	N/A
2	12-May-14	71.1	8,133	6,442	5,059	179,015	6,722	N/A
3	12-May-14	70.6	7,924	6,635	4,258	140,600	6,445	N/A
4	13-May-14	72.9	73	6,606	4,327	235,645	6,334	N/A
5	13-May-14	70.7	7,951	6,771	4,721	145,050	7,036	N/A
6	13-May-14	71.5	7,700	6,080	5,007	238,808	6,242	N/A
7	14-May-14	66.7	7,585	6,137	5,521	108,038	5,939	N/A
8	14-May-14	75.0	7,899	5,779	5,240	235,630	6,078	N/A
9	14-May-14	69.6	7,730	6,568	4,863	237,713	5,997	N/A
10	15-May-14	66.2	7,865	6,069	4,998	180,835	6,484	N/A
11	15-May-14	69.5	7,693	6,388	N/A	139,666	6,054	N/A
12	16-May-14	73.3	7,603	6,348	4,749	237,170	6,022	N/A
13	16-May-14	74.6	7,644	6,246	5,104	234,574	6,004	N/A
14	17-May-14	73.3	7,827	6,474	5,075	183,385	6,389	N/A
15	17-May-14	73.7	7,579	6,403	4,925	235,610	5,988	N/A
16	17-May-14	68.4	7,540	6,549	4,747	235,794	5,971	N/A
17	17-May-14	75.0	7,542	6,446	4,958	235,100	5,933	N/A
18	17-May-14	73.0	7,399	6,445	5,254	236,412	5,942	N/A
19	18-May-14	74.2	7,658	6,367	4,768	235,615	5,938	N/A
20	18-May-14	69.2	7,526	6,667	N/A	167,150	6,047	N/A
21	23-May-14	74.1	7,679	6,259	5,418	232,419	6,259	N/A
22	23-May-14	73.7	7,414	5,944	5,076	159,184	6,393	N/A
23	24-May-14	72.5	7,332	6,466	4,904	231,864	5,900	N/A
24	24-May-14	73.4	7,625	6,380	5,381	235,498	6,370	N/A
25	24-May-14	77.0	7,304	6,222	5,170	232,080	5,842	N/A
26	26-May-14	74.7	6,997	5,890	5,004	231,653	5,912	N/A
27	26-May-14	72.0	7,167	5,712	6,152	130,559	6,089	N/A
28	27-May-14	74.6	7,483	6,023	5,073	233,919	5,848	N/A
29	27-Mar-14	74.6	7,282	5,972	5,819	234,496	5,808	N/A
30	28-May-14	76.3	7,250	5,790	6,142	237,614	5,799	N/A
31	28-May-14	75.0	7,231	5,744	5,682	236,008	5,817	N/A
32	28-May-14	77.3	7,235	5,832	5,969	234,565	5,775	N/A
33	29-May-14	76.3	7,179	5,718	5,863	235,494	5,784	N/A
34	29-May-14	74.4	7,368	5,536	5,263	135,136	5,624	N/A
35	30-May-14	75.3	7,107	5,321	5,120	228,210	5,850	N/A
36	30-May-14	67.2	7,614	6,073	5,662	74,719	6,232	N/A
	AVG=	72	7,357	6,196	5,190	7,149,503	219,157	TOTAL

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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	404'	NA	404'	NA
Shale/Siltstone	0	447	0	447
Sandstone	Est. 447	467	Est. 447	467
Shale/Siltstone	Est. 467	687	Est. 467	687
Sandstone	Est. 687	727	Est. 687	727
Shale	Est. 727	827	Est. 727	827
Sandstone	Est. 827	887	Est. 827	887
Shale	Est. 887	1,127	Est. 887	1,127
Sandstone	Est. 1,127	1,207	Est. 1,127	1,207
Shale	Est. 1,207	1,787	Est. 1,207	1,787
Sandstone/Siltstone	Est. 1,787	1,907	Est. 1,787	1,907
Sandstone/Siltstone with trace coal	Est. 1,907	1,967	Est. 1,907	1,967
Shale	Est. 1,967	2,404	Est. 1,967	2,404
Big Lime	2,404	2,490	2,404	2,490
Big Injun	2,490	2,702	2,490	2,702
Gantz Sand	2,702	2,856	2,702	2,856
Fifty Foot Sandstone	2,856	3,060	2,856	3,060
Gordon	3,060	3,412	3,060	3,412
Fifth Sandstone	3,412	3,481	3,412	3,481
Bayard	3,481	3,743	3,481	3,743
Warren	3,743	4,051	3,743	4,051
Speechley	4,051	4,237	4,051	4,237
Baltown	4,237	4,869	4,237	4,869
Bradford	4,869	5,328	4,869	5,328
Benson	5,328	5,581	5,328	5,581
Alexander	5,581	5,804	5,581	5,804
Elk	5,804	6,325	5,804	6,325
Rhinestreet	6,325	6,852	6,325	6,859
Sycamore	6,852	7,018	6,859	7,068
Middlesex	7,018	7,164	7,068	7,289
Burkett	7,164	7,195	7,289	7,346
Tully	7,195	7,297	7,346	7,586
Marcellus	7,297	NA	7,586	NA

*Please note Antero determines shallow formation tops based on mud and/or wireline 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.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/11/2014
Job End Date:	5/30/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06238-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Cross Unit 1H
Longitude:	-80.66141900
Latitude:	39.18855300
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,347
Total Base Water Volume (gal):	9,204,510
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
Freshwater	Republic Energy	Frac Base	Water	7732-18-5	100.00000	91.07651	None
40/70 White Sand	US Silica	Proppant	Sand	14808-60-7	100.00000	5.01513	None
20/40 White Sand	US Silica	Proppant	Sand	14808-60-7	100.00000	2.86755	None
100 Mesh	US Silica	Proppant	Sand	14808-60-7	100.00000	0.59483	None
SOS 1545	Ultrablend	Guar Gel	Hydrocarbons	64741-85-1	70.00000	0.07701	None
Plexslick 953	Chemplex	Friction Reducer	Water	7732-18-5	35.00000	0.02112	None
			Polyacrylamide-co-acrylic acid	Proprietary	32.00000	0.01931	None
			Hydrotreated Petroleum Distillate	64742-47-8	30.00000	0.01810	None
			Alcohol Ethoxylate Surfactants	Proprietary	8.00000	0.00483	None
HCl Acid 10-15%	GoFrac	Acid	Hydrochloric Acid	7647-01-0	15.00000	0.03414	None
Plexicide 15G	Chemplex	Biocide	Water	7732-18-5	90.00000	0.01735	None

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			Glutaraldehyde	111-30-8	14.00000	0.00270	None
			Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	3.00000	0.00058	None
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	3.00000	0.00058	None
			Ethanol	64-17-5	3.00000	0.00058	None
Plexaid 673	Chemplex	Scale Inhibitor	Water	7732-18-5	85.00000	0.01334	None
			Methyl Alcohol	67-56-1	25.00000	0.00392	None
			Sodium Salt of Phosphonodimethylated Diamine	Proprietary	5.00000	0.00078	None
Sodium Persulfate	Chemplex	Active Breaker	Sodium Persulfate	7775-27-1	100.00000	0.00162	None
Greenflush	Chemplex	Cleaner	Alcohol Ethoxylate Surfactants	Proprietary	10.00000	0.0010	None
Ferriplex 66	Chemplex	Iron Control	Acetic Acid	64-19-7	50.00000	0.00025	None
			Water	7732-18-5	35.00000	0.00018	None
			Citric Acid	77-92-9	30.00000	0.00015	None
Plexhib 256	Chemplex	Corrosion Inhibitor	Methyl Alcohol	67-56-1	70.00000	0.00026	None
			Alcohol Ethoxylate Surfactants	Proprietary	30.00000	0.00011	None
			Thiourea-formaldehyde copolymer	68527-49-1	30.00000	0.00011	None
			n-olefins	Proprietary	10.00000	0.00004	None
			Propargyl Alcohol	107-19-7	8.00000	0.00003	None
Plexbreak 145	Chemplex	Non-Emulsifier	Water	7732-18-5	66.00000	0.00027	None
			Methyl Alcohol	67-56-1	15.00000	0.00006	None
			Ethylene Glycol Monobutyl Ether	111-76-2	15.00000	0.00006	None
			Cocamide Diethanolamine Salt	68603-42-9	10.00000	0.00004	None
			Diethanolamine	111-42-2	5.00000	0.00002	None

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°12'30"

10,324'

1,162' TO BOTTOM HOLE

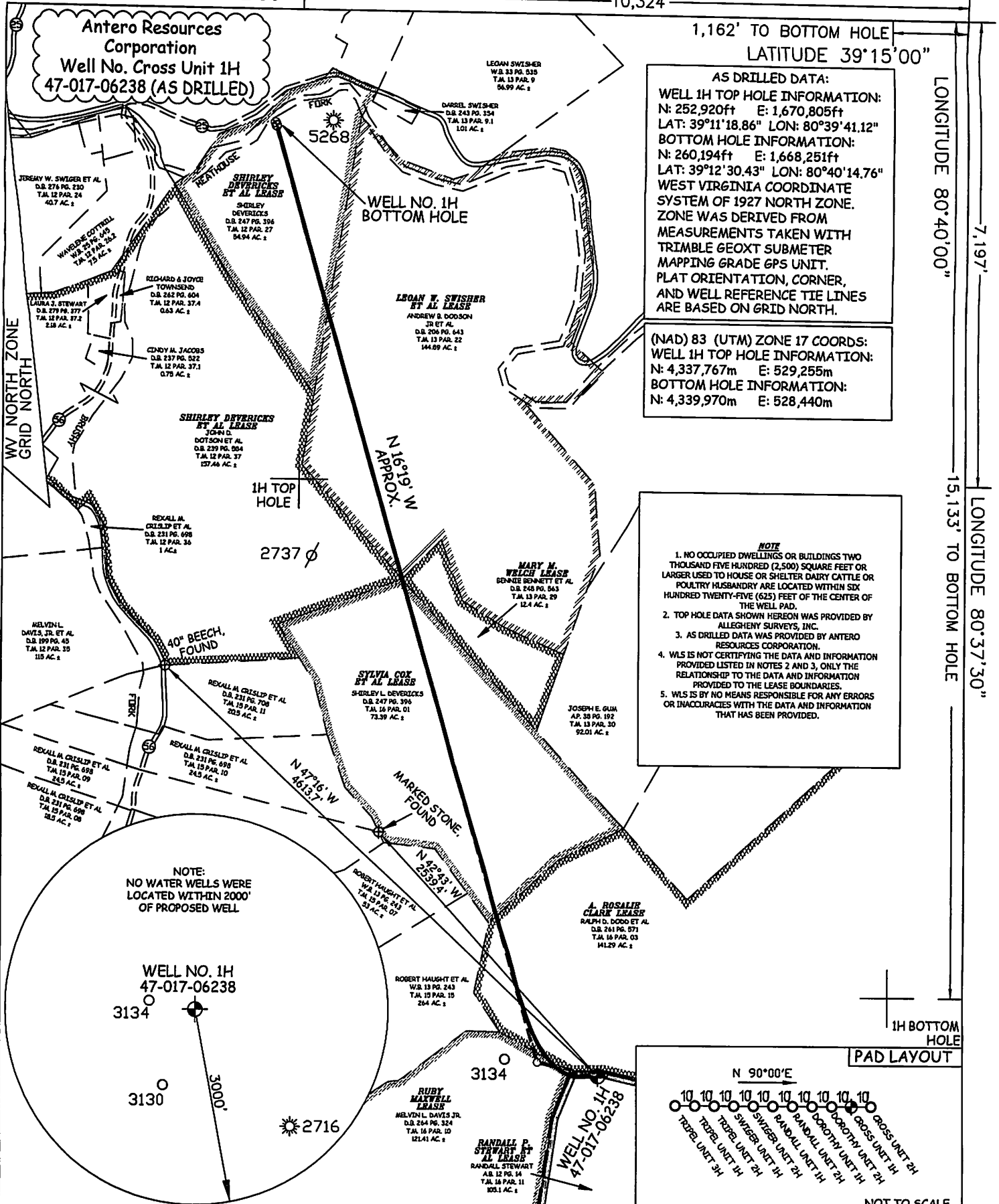
LATITUDE 39°15'00"

LONGITUDE 80°40'00"

7.197'

15.133' TO BOTTOM HOLE

LONGITUDE 80°37'30"

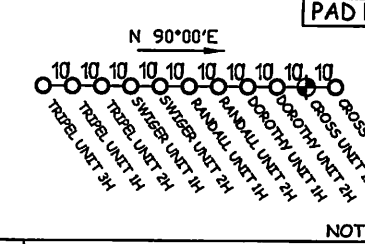
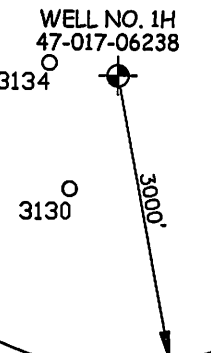


AS DRILLED DATA:
 WELL 1H TOP HOLE INFORMATION:
 N: 252,920ft E: 1,670,805ft
 LAT: 39°11'18.86" LON: 80°39'41.12"
 BOTTOM HOLE INFORMATION:
 N: 260,194ft E: 1,668,251ft
 LAT: 39°12'30.43" LON: 80°40'14.76"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

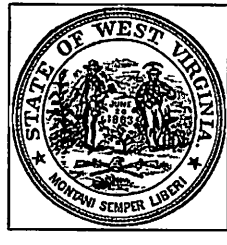
(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,337,767m E: 529,255m
 BOTTOM HOLE INFORMATION:
 N: 4,339,970m E: 528,440m

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.

NOTE:
 NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



JOB # 12-118WA
 DRAWING # CROSS1HAD
 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 +/-
 x - x - x Existing Fence
 ⊕ Found monument, as noted
 ○ - - - - ⊕ Proposed Well Path
 ○ - ⊕ As Drilled Well Path

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 1,361' ORIGINAL - 1,334' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE NEW MILTON 7.5' DISTRICT NEW MILTON COUNTY DODDRIDGE
 SURFACE OWNER RANDALL STEWART ACREAGE 105.1 ACRES +/-
 OIL & GAS ROYALTY OWNER RANDALL P. STEWART, ET AL; A. ROSALIE CLARK; RUBY MAXWELL; SYLVIA COX ET AL; SHIRLEY DEVERICKS ET AL; MARY M. WELCH; LEAN W. SWISHER ET AL; SHIRLEY DEVERICKS ET AL LEASE ACREAGE 195 ACRES±; 141.46 ACRES±; 121 ACRES±; 73 ACRES±; 157 ACRES±; 12.4 ACRES±; 178.14 ACRES±; 57.75 ACRES±
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE ___ WELL (SPECIFY) (X) AS DRILLED PLUG & ABANDON ___ CLEAN UP & RE-PLUG ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,347' TO 14,907' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25303

DATE 04/22/15
 OPERATOR'S WELL# CROSS UNIT #1H
 API WELL # 47 - 017 - 06238
 STATE COUNTY PERMIT
 DATE 06/05/2015
 COUNTY NAME
 PERMIT

