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WR-35
Rev. 8/23/13

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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

API 47-017-06295 County Doddridge District New Milton
Quad New Milton Pad Name Swisher Pad Field/Pool Name _____
Farm name Swisher, Leoan Well Number Swisher 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 4,340,184.067m Easting 528,817.872m
Landing Point of Curve Northing 4,340,123.62m Easting 529,237.69m
Bottom Hole Northing 4,337,778.823m Easting 529,959.714m

Elevation (ft) 980' 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 07/30/2013 Date drilling commenced 11/03/2013 Date drilling ceased 12/08/2013
Date completion activities began 2/16/2014 Date completion activities ceased 5/16/2014
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 71', 89' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1257' 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:

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API 47-017 - 06295 Farm name Swisher, Leoan Well number Swisher Unit 1H

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#; J-55	N/A	Yes
Surface	17- 1/2"	13 3/8"	360'	New	48#; H-40	N/A	Yes
Coal							
Intermediate 1	12-1/4"	9 5/8"	2,636'	New	36#; J-55	N/A	Yes
Intermediate 2							
Intermediate 3							
Production	8-3/4"	5 1/2"	15,621'	New	23#; P-110	N/A	Yes
Tubing		2 3/8"	7,254'		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	400 sx	15.6	1.18	86	0'	8 Hrs.
Surface	Class A	405 sx	15.6	1.18	250	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1,030 sx	15.6	1.18	826	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	Lead 993 sx; Tail 1,344 sx	Lead 13.5; Tail 15.2	Lead 1.44; Tail 1.8	3,089	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 15,621' MD, 6,986' TVD (BHL); 7,000' TVD (Deepest Point Drilled) Loggers TD (ft) 15,573'

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6,817'

**This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Josie Unit 1H, API #47-017-06265). Please reference the wireline logs submitted with Form WR-35 for the Josie 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 _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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MORGANTOWN, WV

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API 47- 017 - 06295

Farm name Swisher, Leoan

Well number Swisher Unit 1H

PRODUCING FORMATION(S)

DEPTHS

Marcellus 6,927' (top) TVD 7,337' (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 10,559 mcfpd Oil 21 bpd NGL _____ bpd Water _____ 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 Allied Oil & Gas Services, LLC
Address 1036 East Main Street City Bridgeport State WV Zip 26330

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 06/05/2015

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

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API 47-017-06295 Farm Name Swisher, Leon. Well Number Swisher Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	16-Feb-14	15,340	15,531	60	Marcellus
2	27-Mar-14	15,142	15,309	60	Marcellus
3	28-Mar-14	14,944	15,111	60	Marcellus
4	28-Mar-14	14,746	14,913	60	Marcellus
5	28-Mar-14	14,548	14,715	60	Marcellus
6	28-Mar-14	14,350	14,517	60	Marcellus
7	29-Mar-14	14,152	14,319	60	Marcellus
8	29-Mar-14	13,954	14,121	60	Marcellus
9	29-Mar-14	13,756	13,923	60	Marcellus
10	29-Mar-14	13,559	13,725	60	Marcellus
11	30-Mar-14	13,361	13,528	60	Marcellus
12	30-Mar-14	13,163	13,330	60	Marcellus
13	30-Mar-14	12,965	13,132	60	Marcellus
14	30-Mar-14	12,767	12,934	60	Marcellus
15	31-Mar-14	12,569	12,736	60	Marcellus
16	31-Mar-14	12,371	12,538	60	Marcellus
17	31-Mar-14	12,173	12,340	60	Marcellus
18	31-Mar-14	11,975	12,142	60	Marcellus
19	1-Apr-14	11,777	11,944	60	Marcellus
20	1-Apr-14	11,579	11,746	60	Marcellus
21	2-Apr-14	11,381	11,548	60	Marcellus
22	2-Apr-14	11,183	11,350	60	Marcellus
23	2-Apr-14	10,985	11,152	60	Marcellus
24	2-Apr-14	10,787	10,954	60	Marcellus
25	3-Apr-14	10,589	10,756	60	Marcellus
26	3-Apr-14	10,391	10,558	60	Marcellus
27	3-Apr-14	10,193	10,360	60	Marcellus
28	3-Apr-14	9,995	10,162	60	Marcellus
29	4-Apr-14	9,797	9,964	60	Marcellus
30	4-Apr-14	9,599	9,766	60	Marcellus
31	4-Apr-14	9,401	9,568	60	Marcellus
32	4-Apr-14	9,203	9,370	60	Marcellus
33	4-Apr-14	9,005	9,172	60	Marcellus
34	5-Apr-14	8,807	8,974	60	Marcellus
35	5-Apr-14	8,609	8,776	60	Marcellus
36	5-Apr-14	8,411	8,578	60	Marcellus
37	5-Apr-14	8,213	8,380	60	Marcellus
38	5-Apr-14	8,015	8,182	60	Marcellus
39	5-Apr-14	7,817	7,984	60	Marcellus
40	6-Apr-14	7,619	7,786	60	Marcellus
41	6-Apr-14	7,421	7,588	60	Marcellus

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API 47-017-06295 Farm Name Swisher, Leoan Well Number Swisher Unit 1H

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	27-Mar-14	60.1	8,400	0	5,816	108,545	6,523	N/A
2	27-Mar-14	61.1	8,125	7,208	4,435	94,035	6,100	N/A
3	28-Mar-14	65.9	7,970	7,371	4,429	137,090	5,872	N/A
4	28-Mar-14	67.9	8,226	7,396	4,578	125,569	6,447	N/A
5	28-Mar-14	65.0	8,120	6,571	4,876	127,435	6,589	N/A
6	28-Mar-14	68.5	8,141	6,710	4,306	167,625	6,128	N/A
7	29-Mar-14	70.3	8,223	6,615	4,481	119,005	6,277	N/A
8	29-Mar-14	66.3	7,981	7,126	4,851	194,649	6,444	N/A
9	29-Mar-14	71.9	8,205	6,475	4,683	185,044	6,503	N/A
10	29-Mar-14	73.9	7,899	5,800	5,618	224,595	5,976	N/A
11	30-Mar-14	71.3	8,035	6,154	5,159	211,625	5,917	N/A
12	30-Mar-14	71.2	7,859	6,007	4,672	225,659	6,105	N/A
13	30-Mar-14	75.1	8,136	6,470	5,646	225,437	5,952	N/A
14	30-Mar-14	74.0	8,090	6,535	4,823	225,280	5,935	N/A
15	31-Mar-14	73.1	8,030	6,100	5,027	225,365	5,862	N/A
16	31-Mar-14	74.3	7,951	6,588	5,091	226,893	5,915	N/A
17	31-Mar-14	75.5	8,057	6,515	5,334	225,712	5,852	N/A
18	31-Mar-14	78.6	7,881	6,120	5,383	225,385	5,826	N/A
19	1-Apr-14	77.7	7,967	6,442	5,237	224,580	5,938	N/A
20	1-Apr-14	75.6	8,039	6,355	5,195	141,595	6,334	N/A
21	2-Apr-14	75.4	8,146	6,327	5,123	211,785	5,685	N/A
22	2-Apr-14	78.0	7,809	6,136	4,973	226,410	5,789	N/A
23	2-Apr-14	79.6	7,675	6,432	5,262	225,450	5,772	N/A
24	2-Apr-14	76.6	7,771	6,334	4,954	218,180	7,820	N/A
25	3-Apr-14	79.0	7,731	5,351	5,189	225,360	5,790	N/A
26	3-Apr-14	78.1	7,574	6,281	5,236	225,380	5,754	N/A
27	3-Apr-14	75.0	7,647	6,874	5,463	225,135	5,996	N/A
28	3-Apr-14	78.5	7,420	6,115	4,573	225,310	5,726	N/A
29	4-Apr-14	73.9	7,974	6,142	5,194	218,560	5,728	N/A
30	4-Apr-14	78.6	7,313	5,946	5,240	225,450	5,704	N/A
31	4-Apr-14	78.8	7,586	5,622	5,185	225,380	5,689	N/A
32	4-Apr-14	75.4	7,705	5,232	5,095	225,370	5,954	N/A
33	4-Apr-14	79.7	7,249	5,818	4,848	225,360	5,657	N/A
34	5-Apr-14	77.3	7,493	5,904	4,899	225,265	5,649	N/A
35	5-Apr-14	76.0	7,821	5,750	5,521	159,925	5,930	N/A
36	5-Apr-14	76.8	7,428	5,261	5,035	225,380	5,607	N/A
37	5-Apr-14	72.3	7,544	5,585	5,288	185,717	6,053	N/A
38	5-Apr-14	76.8	7,487	5,667	5,388	225,525	5,800	N/A
39	5-Apr-14	79.0	7,108	5,913	4,829	225,255	5,577	N/A
40	6-Apr-14	77.3	7,485	5,819	4,865	225,350	5,565	N/A
41	6-Apr-14	75.7	7,787	6,228	4,704	224,780	5,601	N/A
AVG=		74.0	7,831	6,080	5,037	8,241,450	245,341	TOTAL

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API 47-017-06295 Farm Name Swisher, Leoan Well Number Swisher Unit 1H

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Fresh Water	71'	N/A	71'	N/A
Fresh Water	89'	N/A	89'	N/A
Sandstone	Est. 11	337	Est. 11	337
Siltstone/COAL	Est. 337	381	Est. 337	381
Siltstone	Est. 381	483	Est. 381	483
Sandstone	Est. 483	571	Est. 483	571
Siltstone	Est. 571	956	Est. 571	956
Sandstone	Est. 956	973	Est. 956	973
Siltstone	Est. 973	1,005	Est. 973	1,005
Sandstone	Est. 1005	1,017	Est. 1005	1,017
Sandstone/Shale	Est. 1017	1,077	Est. 1017	1,077
Sandstone	Est. 1077	1,302	Est. 1077	1,302
Siltstone	Est. 1302	1,337	Est. 1302	1,337
Sanstone	Est. 1337	1,365	Est. 1337	1,365
Siltstone	Est. 1365	1,412	Est. 1365	1,412
Sandstone	Est. 1412	1,467	Est. 1412	1,467
Siltstone/ COAL	Est. 1467	1,497	Est. 1467	1,497
Sanstone	Est. 1497	1,637	Est. 1497	1,637
Siltstone/ Shale	Est. 1637	1,775	Est. 1637	1,775
Sandstone	Est. 1775	1,807	Est. 1775	1,807
Siltstone	Est. 1807	2,025	Est. 1807	2,028
Big Lime	2,025	2,121	2,028	2,124
Big Injun	2,121	2,328	2,124	2,331
Gantz Sand	2,328	2,487	2,331	2,490
Fifty Foot Sandstone	2,487	2,703	2,490	2,706
Gordon	2,703	3,044	2,706	3,047
Fifth Sandstone	3,044	3,107	3,047	3,110
Bayard	3,107	3,391	3,110	3,394
Warren	3,391	3,687	3,394	3,690
Speechley	3,687	3,875	3,690	3,878
Baltown	3,875	4,501	3,878	4,509
Bradford	4,501	4,975	4,509	5,012
Benson	4,975	5,229	5,012	5,291
Alexander	5,229	5,443	5,291	5,531
Elk	5,443	5,918	5,531	6,059
Rhinestreet	5,918	6,502	6,059	6,714
Sycamore	6,502	6,661	6,714	6,895
Middlesex	6,661	6,798	6,895	7,082
Burkett	6,798	6,833	7,082	7,137
Tully	6,833	6,927	7,137	7,377
Marcellus	6,927	NA	7,377	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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

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Job Start Date:	3/27/2014
Job End Date:	4/6/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06295-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Swisher Unit 1H
Longitude:	-80.66637220
Latitude:	39.21037220
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	6,991
Total Base Water Volume (gal):	0
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	Antero Resources	Water	Water	7732-18-5	100.00000	90.70898	
40/70 White	US Silica	Proppant	Sand	14808-60-7	100.00000	4.91440	
20/40 White	US Silica	Proppant	Sand	14808-60-7	100.00000	2.92370	
100 Mesh	US Silica	Proppant	Sand	14808-60-7	100.00000	1.26770	
Beta M-4.0	PIP	Guar Gel	Petroleum Distillate	64742-47-8	55.00000	0.04677	
			Guar Gum	9000-30-0	50.00000	0.04252	
			Clay	1302-78-9	5.00000	0.00425	
			Surfactant	154518-36-2	1.00000	0.00085	
Plexslick 953	Chemplex	Friction Reducer	Water	7732-18-5	35.00000	0.02152	
			Polyacrylamide-co-acrylic acid	9003-06-9	32.00000	0.01967	
			Hydrotreated Petroleum Distillate	64742-47-8	30.00000	0.01844	
			Alcohol Ethoxylate Surfactants	Proprietary	8.00000	0.00492	

Hydrochloric Acid 10-15%	Reagent	Acid					
		Hydrchloric Acid	7647-01-0		15.00000		0.03424
Plexicide 15G	Chemplex	Biocide					
		Water	7732-18-5		90.00000		0.02285
		Glutaraldehyde	111-30-8		14.00000		0.00355
		Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1		3.00000		0.00076
		Ethanol	64-17-5		3.00000		0.00076
Plexaid 673	Chemplex	Scale Inhibitor	7173-51-5		3.00000		0.00076
		Water	7732-18-5		85.00000		0.01335
		Methyl Alcohol	67-56-1		25.00000		0.00393
		Sodium Salt of Phosphonodimethylated Diamine	Proprietary		5.00000		0.00079
Sodium Persulfate	Chemplex	Breaker					
		Sodium Persulfate	7775-27-1		100.00000		0.00123
Plexhib 256	Chemplex	Corrosion					
		Methyl Alcohol	67-56-1		70.00000		0.00049
		Alcohol Ethoxylate Surfactants	Proprietary		30.00000		0.00021
		thiourea-formaldehyde copolymer	68527-49-1		30.00000		0.00021
		n-olefins	Proprietary		10.00000		0.00007
Plexbreak 145	Chemplex	Non-emulsifier	107-19-7		8.00000		0.00006
		Water	732-18-5		66.00000		0.00052
		Ethylene Glycol Monobutyl Ether	111-76-2		15.00000		0.00012
		Methyl Alcohol	67-56-1		15.00000		0.00012
		Cocamide Diethanolamine Salt	68603-42-9		10.00000		0.00008
Ferriplex 66	Chemplex	Iron Control	111-42-2		5.00000		0.00004
		Acetic Acid	64-19-7		50.00000		0.00022
		Water	7732-18-5		35.00000		0.00016
		Citric Acid	77-92-9		30.00000		0.00013

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)

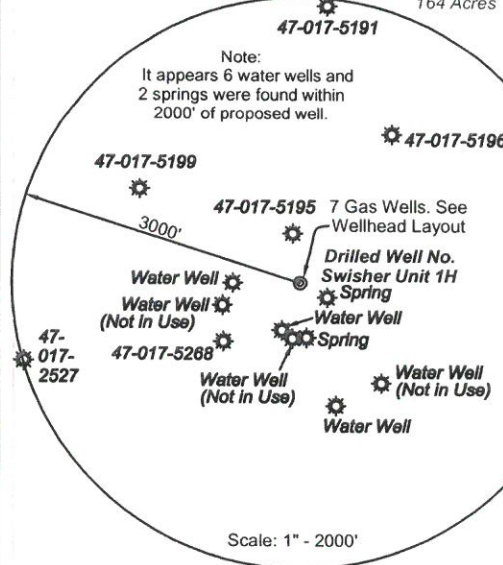
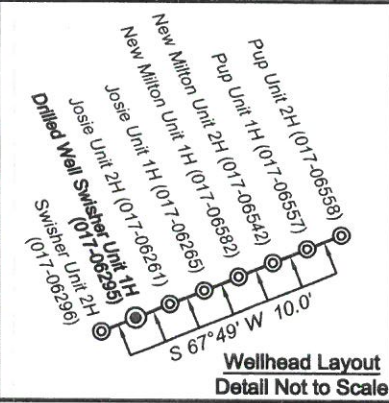
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MORGANTOWN, WV

Antero Resources
Well No. Swisher Unit 1H
As-Drilled Plat
Antero Resources Corporation

(*) Denotes Location of Well on United States Topographic Maps



Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Swisher Unit 1H Top Hole coordinates are
 N: 260,874.61' Latitude: 39°12'37.31"
 E: 1,669,500.98' Longitude: 80°39'58.99"
 Bottom Hole coordinates are
 N: 252,919.12' Latitude: 39°11'19.14"
 E: 1,673,116.32' Longitude: 80°39'11.76"
UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,340,184.067m N: 4,337,778.823m
 E: 528,817.872m E: 529,959.714m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

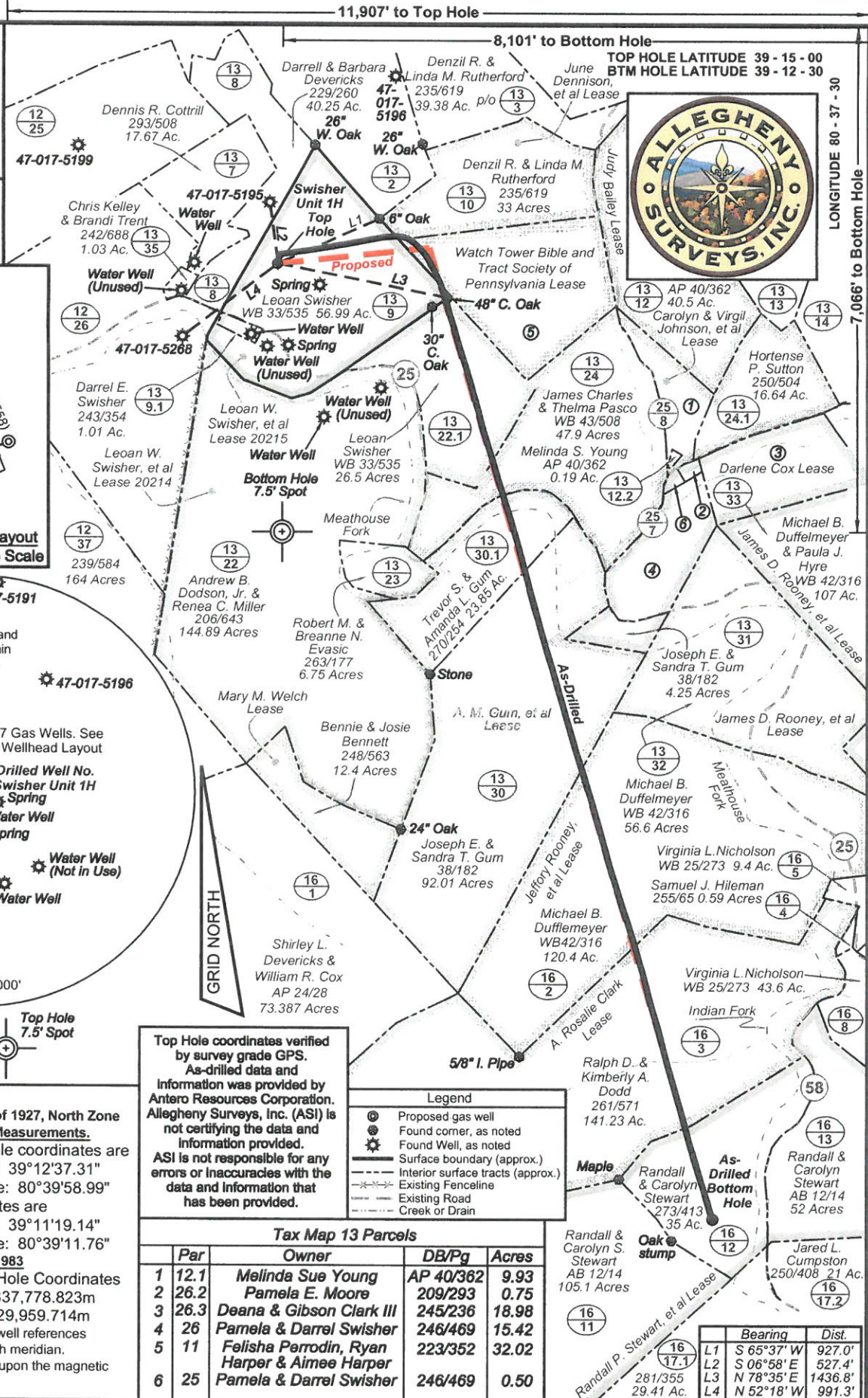
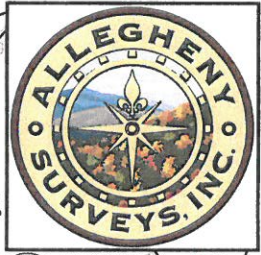
Top Hole coordinates verified by survey grade GPS. As-drilled data and information was provided by Antero Resources Corporation. Allegheny Surveys, Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

Tax Map 13 Parcels

Par	Owner	DB/Pg	Acres
1	Melinda Sue Young	AP 40/362	9.93
2	Pamela E. Moore	209/293	0.75
3	Deana & Gibson Clark III	245/236	18.98
4	Pamela & Darrel Swisher	246/469	15.42
5	Felisha Perodin, Ryan Harper & Aimee Harper	223/352	32.02
6	Pamela & Darrel Swisher	246/469	0.50

Legend

- Proposed gas well
- Found corner, as noted
- Found Well, as noted
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- Existing Fenceline
- Existing Road
- Creek or Drain



FILE NO: 77-30-NM-13
 DRAWING NO: As-Drilled Swisher Unit 1H
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

DATE: April 14 2015
 OPERATOR'S WELL NO. Swisher Unit 1H
 API WELL NO
 47 - 017 - 06295
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Existing 980' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: New Milton
 DISTRICT: New Milton COUNTY: Doddridge 29,586; 32,02;
 SURFACE OWNER: Leoan Swisher Watch Tower Bible and Tract Society of Pennsylvania; Carolyn & Virgil Johnson, et al; A. Rosalie Clark; June Dennison, et al; Leoan W. Swisher, et al; Randall P. Stewart, et al; 120; 72.54;
 OIL & GAS ROYALTY OWNER: Jeffery Rooney, et al; Leoan W. Swisher, et al; A. M. Gum, et al LEASE #: 20214 ACREAGE: 56.99 178.14; 195;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,986' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: 15,621' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313