Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

March 20, 2020

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

To Whom It May Concern:

Please find enclosed the Well Operator's Report of Well Work, Form WR-35 (including As-Drilled Survey Plat, Directional Survey and FracFocus report), Discharge Monitoring Report Form WR-34 and corresponding logs for the following wells off of the **Weekley Trust Pad**:

- Cinqmars Unit 1H-2H
- Goliad Unit 1H-2H
- Ray Unit 1H-3H
- Swartzmiller Unit 1H-2H

If you have any questions, please feel free to contact me at (303)-357-7223.

Sincerely,

Megan Griffith
Permitting Agent
Antero Resources Corporation

Enclosures

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

API 47 - 085 - 10349 County Ritchie District Clay
Quad Pennsboro 7.5' Pad Name Weekley Trust Field/Pool Name -----
Farm name David L. Weekley Revocable Trust Well Number Swartzmiller 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 4358022m Easting 506558m
Landing Point of Curve Northing 4358138.86m Easting 506531.01m
Bottom Hole Northing 4360169m Easting 505888m

Elevation (ft) 1235' 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 8/8/2018 Date drilling commenced 11/25/2018 Date drilling ceased 2/10/2019
Date completion activities began 4/27/2019 Date completion activities ceased 6/6/2019
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 338', 375' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1728', 1753' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 887' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

API 47- 085 - 10349 Farm name David L. Weekley Revocable Trust Well number Swartzmiller 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"	95'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	466'	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"	14230'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6734'		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	240 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	400 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	920 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	675 sx (Lead) 1190 sx (Tail)	14.5 (Lead), 15.2 (Tail)	1.40 (Lead), 1.26 (Tail)		~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14250' MD, 6581' TVD (BHL), 6007' (Deepest Point Drilled) Loggers TD (ft) 14250' MD

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

Plug back procedure N/A

Kick off depth (ft) 6000'

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 N/A

API 47- 085 - 10349 Farm name David L. Weekley Revocable Trust Well number Swartzmiller Unit 1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

*PLEASE SEE ATTACHED EXHIBIT 1

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

*PLEASE SEE ATTACHED EXHIBIT 2

Please insert additional pages as applicable.

API 47- 085 - 10349 Farm name David L. Weekley Revocable Trust Well number Swartzmiller Unit 1H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	6535' (TOP) TVD	6814' (TOP) MD

Please insert additional pages as applicable.

GAS TEST □ Build up □ Drawdown ■ Open Flow OIL TEST ■ Flow □ Pump

SHUT-IN PRESSURE Surface 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 4494 mcfpd Oil 94 bpd NGL --- bpd Water 794 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_2S, ETC)
***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 KLX Energy Services
Address 3040 Post Oak Boulevard City Houston State TX Zip 77056

Cementing Company C&J Energy Services
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

Stimulating Company Baker Hughes
Address 837 Philippi Pike City Clarksburg State WV Zip 26301

Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223
Signature _____ Title Permitting Agent Date _____

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

API 47-085-10349**Farm Name** David L. Weekley Revocable Trust **Well Number** Swartzmiller Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/11/2019	14079.5	14134.9	60	Marcellus
2	8/12/2019	13879.44	14048.49	60	Marcellus
3	8/12/2019	13678.98	13848.03	60	Marcellus
4	8/12/2019	13478.52	13647.57	60	Marcellus
5	8/13/2019	13278.06	13447.11	60	Marcellus
6	8/13/2019	13077.6	13246.65	60	Marcellus
7	8/13/2019	12247.65	12416	60	Marcellus
8	8/14/2019	12048.03	12216.38	60	Marcellus
9	8/14/2019	11848.41	12016.76	60	Marcellus
10	8/14/2019	11648.79	11817.14	60	Marcellus
11	8/14/2019	11449.17	11617.52	60	Marcellus
12	8/15/2019	11249.55	11417.9	60	Marcellus
13	8/15/2019	11049.93	11218.28	60	Marcellus
14	8/15/2019	10850.31	11018.66	60	Marcellus
15	8/15/2019	10650.69	10819.04	60	Marcellus
16	8/16/2019	10451.07	10619.42	60	Marcellus
17	8/16/2019	10251.45	10419.8	60	Marcellus
18	8/16/2019	10051.83	10220.18	60	Marcellus
19	8/16/2019	9852.21	10020.56	60	Marcellus
20	8/17/2019	9652.59	9820.94	60	Marcellus
21	8/17/2019	9452.97	9621.32	60	Marcellus
22	8/17/2019	9253.35	9421.7	60	Marcellus
23	8/18/2019	9053.73	9222.08	60	Marcellus
24	8/19/2019	8854.11	9022.46	60	Marcellus
25	8/19/2019	8654.49	8822.84	60	Marcellus
26	8/19/2019	8454.87	8623.22	60	Marcellus
27	8/19/2019	8255.25	8423.6	60	Marcellus
28	8/20/2019	8055.63	8223.98	60	Marcellus
29	8/20/2019	7856.01	8024.36	60	Marcellus
30	8/20/2019	7656.39	7824.74	60	Marcellus
31	8/20/2019	7456.77	7625.12	60	Marcellus
32	8/21/2019	7257.15	7425.5	60	Marcellus
33	8/21/2019	7057.53	7225.88	60	Marcellus
34	8/21/2019	6857.91	7026.26	60	Marcellus

API 47-085-10349 **Farm Name** David L. Weekley Revocable Trust **Well Number** Swartzmiller 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	8/11/2019	73.32	7342	7929	4130	171680	4850	N/A
2	8/12/2019	76.62	7329	5626	3128	400540	7153	N/A
3	8/12/2019	73.32	6756	7595	3280	405840	7281	N/A
4	8/12/2019	73.41	6659	5610	3421	407480	7594	N/A
5	8/13/2019	74.67	6769	5497	3583	406080	7521	N/A
6	8/13/2019	70.66	7723	5585	3461	405900	7688	N/A
7	8/13/2019	74.62	8035	5442	3500	400900	7121	N/A
8	8/14/2019	74.81	8126	5530	3576	401740	7022	N/A
9	8/14/2019	76.2	7936	5097	3930	402300	7089	N/A
10	8/14/2019	79.1	8133	5928	3915	405200	7286	N/A
11	8/14/2019	77.76	8075	5697	3766	405600	7095	N/A
12	8/15/2019	77.66	8312	5504	3787	403940	7050	N/A
13	8/15/2019	79.3	8238	5814	3984	401450	7171	N/A
14	8/15/2019	80.1	8297	5428	3873	404420	7176	N/A
15	8/15/2019	82.2	8242	5533	3715	399660	6974	N/A
16	8/16/2019	83.48	8012	4283	3915	406980	7031	N/A
17	8/16/2019	83.6	8272	5523	4048	397700	7108	N/A
18	8/16/2019	82.9	8205	5293	3602	410660	7180	N/A
19	8/16/2019	84.34	7772	5536	3703	407460	7040	N/A
20	8/17/2019	84.95	7713	5790	3689	408020	6944	N/A
21	8/17/2019	83.5	8044	5930	3764	401900	7073	N/A
22	8/17/2019	83.2	7923	5855	3859	414760	7241	N/A
23	8/18/2019	82.42	7669	5561	3868	400900	6950	N/A
24	8/19/2019	84.77	8007	5355	3850	408800	8794	N/A
25	8/19/2019	84.5	7934	5546	3713	405500	7101	N/A
26	8/19/2019	83.9	7839	5637	3827	420220	7190	N/A
27	8/19/2019	85.89	7928	5776	4032	423060	7041	N/A
28	8/20/2019	84.95	8001	5782	3869	419720	7133	N/A
29	8/20/2019	84.3	7656	5566	3842	402920	6914	N/A
30	8/20/2019	86	7867	5856	4016	400080	7013	N/A
31	8/20/2019	85.9	7949	5412	3969	403180	7031	N/A
32	8/21/2019	83.4	7722	5612	4082	400700	6920	N/A
33	8/21/2019	80.95	7544	5573	3892	401360	6925	N/A
34	8/21/2019	86.39	7763	5568	3933	400540	6938	N/A
	AVG	**80.7**	**7,817**	**5,684**	**3,780**	**13,557,190**	**241,638**	TOTAL

API 47-085-10349 **Farm Name** David L. Weekley Revocable Trust **Well Number** Swartzmiller 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
Silty sandstone	0	225	0	225
Silty sandstone w/ coal	225	265	225	265
Sandy Siltstone	265	325	265	325
Silty sandstone	325	405	325	405
Sandy sahle	405	425	405	425
Sandy, limy siltstone	425	485	425	485
Sandstone	485	585	485	585
Siltstone	585	685	585	685
Sandstone w lime stingers	685	1,275	685	1,275
Silty sandstone	1,275	1,685	1,275	1,685
Limy shale	1,685	1,905	1,685	1,905
Sandstone	1,905	2,045	1,905	2,045
Siltstone	2,045	2,068	2,045	2,083
Big Lime	2,083	2,838	2,059	2,838
Fifty Foot Sandstone	2,838	3,012	2,814	3,012
Gordon	3,012	3,121	2,988	3,121
Fifth Sandstone	3,121	3,542	3,097	3,546
Bayard	3,542	4,122	3,522	4,136
Speechley	4,122	4,363	4,112	4,381
Balltown	4,363	4,978	4,357	5,005
Bradford	4,978	5,398	4,981	5,433
Benson	5,398	5,609	5,409	5,647
Alexander	5,609	6,405	5,623	6,516
Sycamore	6,277	6,381	6,352	6,492
Middlesex	6,381	6,487	6,492	6,683
Burkett	6,487	6,513	6,683	6,747
Tully	6,513	6,535	6,747	6,814
Marcellus	6,535	NA	6,814	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.

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Rev. 10-10

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: Antero Resources Corporation
API No: 47-085-10349 County: Ritchie
District: Clay Well No: Swartzmiller Unit 1H
Farm Name: David Weekley L. Revocable Trust
Discharge Date/s From:(MMDDYY) 09/26/19 To: (MMDDYY) 10/26/19
Discharge Times. From: 0:00 To: 24:00
Total Volume to be Disposed from this facility (gallons): 906,634
Disposal Option(s) Utilized (write volumes in gallons):

(1) Land Application: _____ (Include a topographical map of the Area.)
(2) UIC: 104,033 Permit No. 3400923821, 3400923823, 3400923824, 3416729731, 3416729543, 3416729464, 3416729445, 3410523619, 3410523652
(3) Offsite Disposal: _____ Site Location: _____
(4) Reuse: 802,601 Alternate Permit Number: _____
(5) Centralized Facility: _____ Permit No. _____
(6) Other method: _____ (Include an explanation)

Follow Instructions below to determine your treatment category:
Optional Pretreatment test: n/a Cl- mg/l n/a DO mg/l

1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) n/a If yes, who? _____ and place a four (4) on line 7. If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) n/a If yes, go to line 5. If not, go to line 3.
3. Do you have a chloride value pretreatment (see above)? (Y/N) n/a If yes, go to line 4 If not, go to line 5.
4. Is the Chloride level less than 5000 mg/l? (Y/N) n/a If yes, then enter a one (1) on line 7.
5. Do you have a pretreatment value for DO? (See above) (Y/N) n/a If yes, go to line 6 If not, enter a three (3) in line 7.
6. Is the DO level greater than 2.5 mg/l?(Y/N) n/a If yes, enter a two (2) on line 7. If not, enter a three (3) on line 7.
7. n/a is the category of your pit. Use the Appropriate section.
8. Comments on Pit condition: n/a No pit on site

Name of Principal Exec. Officer: Gretchen Kohler
Title of Officer: Senior Environmental and Regulatory Manager
Date Completed: 3/16/20

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Gretchen Kohler
Signature of a Principal Exec. Officer or Authorized agent.

Category 1
Sampling Results
API No : _____

Parameter	Predischarge Limits	Predischarge Reported	Discharge Limits	Discharge Reported	Units
pH	6-10		6-10		S.U
Settling Time	5		N/A	N/A	Days
Fe	6		6		mg/l
D.O.	2.5		2.5		mg/l
Settleable Sol.	0.5		0.5		mg/l
Cl	5,000		5,000		mg/l
Oil	Trace		Trace		Obs.
TOC**			Monitor		mg/l
Oil and Grease			Monitor		mg/l
Total Al***			Monitor		mg/l
TSS			Monitor		mg/l
Total Mn	Monitor		Monitor		mg/l
Volume			Monitor		Gal
Flow			Monitor		Gal/min
Disposal Area			Monitor		Acres

*** Al is only reported if the pH is above 9.0

Category 2
Sampling Results
API No : _____

Parameter	Predischarge Limits	Predischarge Reported	Discharge Limits	Discharge Reported	Units
pH	6-10		6-10		S.U
Settling Time	10		N/A	N/A	Days
Fe	6		6		mg/l
D.O.	2.5		2.5		mg/l
Settleable Sol.	0.5		0.5		mg/l
Cl*	12,500		12,500		mg/l
Oil	Trace		Trace		Obs.
TOC**			Monitor		mg/l
Oil and Grease			Monitor		mg/l
Total Al***			Monitor		mg/l
TSS			Monitor		mg/l
Total Mn	Monitor		Monitor		mg/l
Volume			Monitor		Gal
Flow			Monitor		Gal/min
Disposal Area			Monitor		Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____

** Include a description of your aeration technique. Aeration Code: _____

*** Al is only reported if the pH is above 9.0

Category 3
Sampling Results
API No : _____

Parameter	Predischarge Limits	Predischarge Reported	Discharge Limits	Discharge Reported	Units
pH	6-10		6-10		S.U
Settling Time	20		N/A	N/A	Days
Fe	6		6		mg/l
D.O.	2.5		2.5		mg/l
Settleable Sol.	0.5		0.5		mg/l
Cl*	12,500		12,500		mg/l
Oil	Trace		Trace		Obs.
TOC**			Monitor		mg/l
Oil and Grease			Monitor		mg/l
Total Al***			Monitor		mg/l
TSS			Monitor		mg/l
Total Mn	Monitor		Monitor		mg/l
Volume			Monitor		Gal
Flow			Monitor		Gal/min
Disposal Area			Monitor		Acres

* Can be 25,000 with inspector's approval,

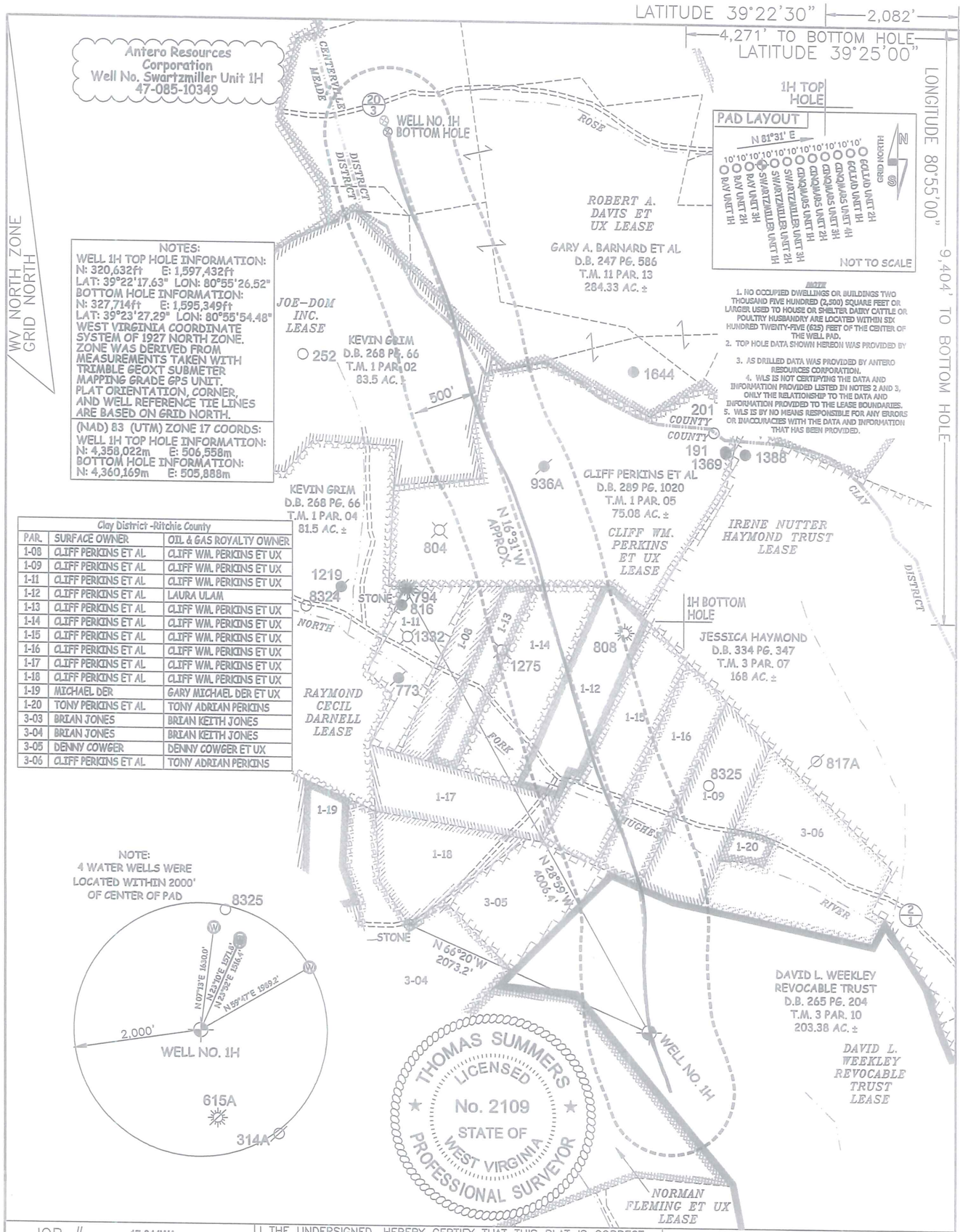
(Inspector's signature): _____ Date: _____
** Include a description of your aeration technique. Aeration Code: _____
*** Al is only reported if the pH is above 9.0.

Category 4
Sampling Results
API No: _____

Parameter	Predischarge Limits	Predischarge Reported	Discharge Limits	Discharge Reported	Units
pH	6-10		6-10		S.U
Settling Time	1		N/A	N/A	Days
Fe	Monitor		Monitor		mg/l
D.O.	Monitor		Monitor		mg/l
Settleable Sol.	Monitor		Monitor		mg/l
Cl*	12,500		12,500		mg/l
Oil	Trace		Trace		Obs.
TOC**			Monitor		mg/l
Oil and Grease			Monitor		mg/l
TSS			Monitor		mg/l
Total Mn	Monitor		Monitor		mg/l
Volume			Monitor		Gal
Flow			Monitor		Gal/min
Activated Carbon (0.175)			N/A	N/A	lb/Bl
Date Site Reclaimed	N/A	N/A			10 days from dis.
Disposal Area			Monitor		Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____



NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 320,632ft E: 1,597,432ft
LAT: 39°22'17.63" LON: 80°55'26.52"
BOTTOM HOLE INFORMATION:
N: 327,714ft E: 1,595,349ft
LAT: 39°23'27.29" LON: 80°55'54.48"
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: 4,358,022m E: 506,558m
BOTTOM HOLE INFORMATION:
N: 4,360,169m E: 505,888m

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
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.

Clay District -Ritchie County

PAR.	SURFACE OWNER	OIL & GAS ROYALTY OWNER
1-08	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-09	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-11	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-12	CLIFF PERKINS ET AL	LAURA ULAM
1-13	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-14	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-15	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-16	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-17	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-18	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-19	MICHAEL DER	GARY MICHAEL DER ET UX
1-20	TONY PERKINS ET AL	TONY ADRIAN PERKINS
3-03	BRIAN JONES	BRIAN KEITH JONES
3-04	BRIAN JONES	BRIAN KEITH JONES
3-05	DENNY COWGER	DENNY COWGER ET UX
3-06	CLIFF PERKINS ET AL	TONY ADRIAN PERKINS

NOTE:
4 WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD

THOMAS SUMMERS LICENSED No. 2109 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

JOB # 17-044WA
DRAWING # SWARTMILLER1HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

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 PERSCRIBED BY THE DEPTARTMENT OF ENVIRONMENTAL PROTECTION.

STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO
WEST VIRGINIA 26415

LEGEND
Surface Owner Boundary Lines +/-
Interior Surface Tracts +/-
Proposed Well Path
As Drilled Well Path

THOMAS SUMMERS P.S. 2109
DATE 02/10/20
OPERATOR'S WELL# SWARTZMILLER UNIT #1H

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,235' AS BUILT WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' - TH MIDDLEBOURNE 7.5' - BH DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER DAVID L. WEEKLEY REVOCABLE TRUST ACREAGE 203.38 ACRES +/-
OIL & GAS ROYALTY OWNER DAVID L. WEEKLEY REVOCABLE TRUST; CLIFF WM. PERKINS ET UX; LEASE ACREAGE 229 AC±; 16.35 AC±;
CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; LAURA ULAM; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; 17 AC±; 18.5 AC±; 16.5 AC±; 16 AC±; 75.08 AC±;
JOE-DOM INC.; ROBERT A. DAVIS ET UX 380 AC±; 284.33 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 6,581' TVD 14,250' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

47 – 085 – 10349
STATE COUNTY PERMIT

COUNTY NAME PERMIT

FORM WW-6