

March 20, 2020

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

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

WR-35 Rev. 8/23/13

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

API _	<u>47</u>	County	D	District		
Quad		Pad Name	F	ield/Pool Name		
Farm nan	ne			Well Number		
Operator	(as registered with the OC	OG)				
Address _		City		State	Zip	
	ed location NAD 83/UT Top hole Landing Point of Curve Bottom Hole	M Attach an as-drill Northing Northing Northing	Eastin	ng		
Elevation	n (ft) G	Type of Well	□New □ Existing	Type of Report	□Interim □Final	
Permit Ty	ype Deviated	Horizontal Horizon	ntal 6A □ Vertical	Depth Type	□ Deep □ Shallo	w
Type of C	Operation Convert	□ Deepen □ Drill □	□ Plug Back □ Redrill	ing □ Rework	□ Stimulate	
Well Typ	pe □ Brine Disposal □ C	BM □ Gas □ Oil □ Se	condary Recovery □ Sol	ution Mining 🗆 St	orage Other	
• •	Completion	•	uced □ Brine □Gas	□ NGL □ Oil	□ Other	
Production	Media Surface hole □ on hole □ Air □ Mud pe(s) and Additive(s)			ole □ Air □ Mud	l □ Fresh Water □ Br	ine
Date perr	mit issued	Date drilling com	menced	Date drilling	ceased	
Date com	npletion activities began _		_ Date completion activ	ities ceased		
Verbal pl	lugging (Y/N)	_ Date permission grante	ed	Granted by		
Please no	ote: Operator is required to	o submit a plugging applic	cation within 5 days of ve	rbal permission to p	blug	
Freshwat	er depth(s) ft		Open mine(s) (Y/N) de	pths		
Salt water	er depth(s) ft		Void(s) encountered (Y	//N) depths		
Coal dept	th(s) ft		Cavern(s) encountered	(Y/N) depths		
Is coal be	eing mined in area (Y/N)_				Reviewed by:	

□ Yes □ No

DETAILS _____

TYPE OF TRACER(S) USED _____

WAS WELL COMPLETED OPEN HOLE?

WERE TRACERS USED □ Yes □ No

API 4	47			_ Farm na	me				We	ell numbe	r	
					P	ERFORAT	ION F	RECORD				
Stage No.	Perforation	date		rated from MD ft.		rforated to MD ft.		Number of erforations			Formation(s)
	+	*PL	EA	SE S	EE	AT	 ΓΑ:	CHE) E	XHI	BIT 1	
Please	insert addition	onal page	es as app	plicable.				I				
				STIN	MULAT	TION INFO	RMA'	TION PER S	STAGE			
Comp	lete a separat	e record	for each	stimulation	ı stage.							
Stage No.	Stimulations Date	Ave P	ump BPM)	Ave Treatm Pressure (P		Max Break Pressure (ISIP (PSI)		nount of pant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
		*PI	FΔ	SF S	SFF	 = дт	ΤΔ	CHE	h D F	ΧH	BIT 2	
1	1					- / \						-

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13											Page of
API 47			Farm	name_					Well nu	mber	
PRODUCING	FORMAT	TON(S)				TVD			MD		
Please insert ac	•	•		□ Ope	en Flow		OIL	TEST 🗆	 Flow 🗆 F	'ump	
SHUT-IN PRE	ESSURE	Surface _		psi	Botte	om Hole_		psi	DURATIO	ON OF TEST _	hrs
OPEN FLOW		_ mcfpd								ASURED BY ted \square Orifice	□ Pilot
LITHOLOGY/ FORMATION		N FT DEI	TH IN FT	DEPT	H IN FT		N FT			AND RECORD QU	ANTITYAND DIL, GAS, H ₂ S, ETC)
	*P	LEA	SE	SE	E A		AC	HED	EXI	HIBIT 3	
Please insert ac	lditional p	ages as app	licable.	•							
Drilling Contra									State _	Zip	
Logging Comp									State _	Zip	
Cementing Con Address	mpany				City		_		State _	Zip	
Stimulating Co Address Please insert ad					City				State _	Zip	
i iouse misert at	aanaonai p	uges as app	madic.								
Completed by											
Signature					ı ıtıe _				D	ate	
Submittal of H	ydraulic F	racturing C	hemical	Disclos	ure Info	rmation	At	tach copy o	of FRACFO	CUS Registry	

API <u>47</u> -	API 47-085-10342Farm NameDavid L. Weekley Revocable Trust Well Numbe Cinqmars Unit 2H									
			IIBIT 1							
Stage No.	Perforation	Perforated from MD	Perforated to	Number of	Formations					
1	Date 6/30/2019	ft. 16735.9	MD ft. 16791.1	Perforations	NAII					
1	6/30/2019	16535.056	16704.426	60	Marcellus					
2	6/30/2019	16334.212	16503.582	60	Marcellus					
3	7/1/2019	16133.368	16303.382	60	Marcellus					
4	7/1/2019	15932.524		60	Marcellus					
5	7/1/2019	15731.68	16101.894 15901.05	60	Marcellus					
6	7/1/2019	15530.836	15700.206	60	Marcellus					
7				60	Marcellus					
8	7/2/2019 7/6/2019	15329.992 15129.148	15499.362 15298.518	60	Marcellus					
9	7/6/2019	14928.304	15097.674	60	Marcellus					
10	1 1			60	Marcellus					
11	7/7/2019	14727.46	14896.83	60	Marcellus					
12	7/7/2019	14526.616	14695.986	60	Marcellus					
13	7/18/2019	14325.772	14495.142	60	Marcellus					
14	7/18/2019	14124.928	14294.298	60	Marcellus					
15	7/19/2019	13924.084	14093.454	60	Marcellus					
16	7/19/2019	13723.24	13892.61	60	Marcellus					
17	7/19/2019	13522.396	13691.766	60	Marcellus					
18	7/19/2019	13321.552	13490.922	60	Marcellus					
19	7/20/2019	13120.708	13290.078	60	Marcellus					
20	7/23/2019	12919.864	13089.234	60	Marcellus					
21	7/23/2019	12719.02	12888.39	60	Marcellus					
22	7/24/2019	12518.176	12687.546	60	Marcellus					
23	7/24/2019	12317.332	12486.702	60	Marcellus					
24	7/25/2019	12116.488	12285.858	60	Marcellus					
25	7/25/2019	11915.644	12085.014	60	Marcellus					
26	7/25/2019	11714.8	11884.17	60	Marcellus					
27	7/25/2019	11513.956	11683.326	60	Marcellus					
28	7/26/2019	11313.112	11482.482	60	Marcellus					
29	7/26/2019	11112.268	11281.638	60	Marcellus					
30	7/26/2019	10911.424	11080.794	60	Marcellus					
31	7/27/2019	10710.58	10879.95	60	Marcellus					
32	7/27/2019	10509.736	10679.106	60	Marcellus					
33	7/27/2019	10308.892	10478.262	60	Marcellus					
34	7/28/2019	10108.048	10277.418	60	Marcellus					
35	7/28/2019	9907.204	10076.574	60	Marcellus					
36	7/28/2019	9706.36	9875.73	60	Marcellus					
37	8/1/2019	9505.516	9674.886	60	Marcellus					
38	8/1/2019	9304.672	9474.042	60	Marcellus					
39	8/1/2019	9103.828	9273.198	60	Marcellus					
40	8/2/2019	8902.984	9072.354	60	Marcellus					
41	8/2/2019	8702.14	8871.51	60	Marcellus					
42	8/3/2019	8501.296	8670.666	60	Marcellus					
43	8/3/2019	8300.452	8469.822	60	Marcellus					
44	8/4/2019	8099.608	8268.978	60	Marcellus					
45	8/4/2019	7898.764	8068.134	60	Marcellus					
46	8/4/2019	7697.92	7867.29	60	Marcellus					
47	8/5/2019	7497.076	7666.446	60	Marcellus					
48	8/6/2019	7296.232	7465.602	60	Marcellus					
	8/6/2019	7095.388	7264.758							
49		6894.544		60	Marcellus					
50	8/6/2019	0694.544	7063.914	60	Marcellus					

	API 47-085-10342 Farm Name David L. Weekley Revocable Trust Well Number Cingmars Unit 2H										
				EXHIBIT	Γ2						
			Avg	Max			Amount of	Amount of			
Stage No.	Stimulations	Avg Pump	Treatment	Breakdown	ISIP (PSI)	Amount of Proppant	Water	Nitrogen/			
	Date	Rate	Pressure	Pressure	(,	(lbs)	(bbls)	other			
1	6/30/2019	68.35	(PSI) 7801	(PSI) 7453	2422	159120	5394	(units) N/A			
2	6/30/2019	68.16	8396	5328	2957	404120	8637	N/A			
3	6/30/2019	72.57	8286	5366	2875	405400	8905	N/A			
4	7/1/2019	77.63	7814	5048	2929	407640	8861	N/A			
5	7/1/2019	77.25	7203	5287	3076	412360	8844	N/A			
6	7/1/2019	76.15	7249	5258	3064	413640	8924	N/A			
7	7/2/2019	79.96	7837	5519	3030	400140	8895	N/A			
8	7/2/2019	74.22	7572	5580	3494	410640	12037	N/A			
9	7/6/2019	78.3	7659	5705	2685	403300	8889	N/A			
10	7/6/2019	77.54	7271	5769	3091	401220	8678	N/A			
11	7/7/2019	79.43	7436	4495	3211	405220	9421	N/A			
12	7/7/2019	79.42	7387	5152	3027	404680	8765	N/A			
13	7/18/2019	79.18	7509	5504	3212	404860	8781.3	N/A			
14	7/18/2019	80.57	7371	5670	3061	404480	8698.7	N/A			
15	7/19/2019	79.95	7470	5867	3015	398640	8688.9	N/A			
16	7/19/2019	79.54	7628	5817	3007	401600	8639	N/A			
17	7/19/2019	78.79	7473	5691	3076	408340	8692.8	N/A			
18	7/19/2019	80.08	7226	5329	3100	406780	8680.1	N/A			
19	7/20/2019	37.94	8660	5925	4872	13250	7585.4	N/A			
20	7/23/2019	79.95	7441	5755	3152	408320	8898.9	N/A			
21	7/23/2019	54.825	8110	6200	3111	384250	9868	N/A			
22	7/24/2019	74.77	7367	5335	3105	401500	8891.1	N/A			
23	7/24/2019	79.54	7337	8331	3332	398660	9214.4	N/A			
24	7/25/2019	77.76	7122	5902	3428	399780	8588.9	N/A			
25	7/25/2019	77.1	7148	6094	3373	411920	8701	N/A			
26	7/25/2019	77.72	6979	5368	3122	413920	8795.5	N/A			
27	7/25/2019	77.8 78.36	7226	5403	3394	400770	8834.6	N/A			
28	7/26/2019 7/26/2019		7328 7096	5584 5490	3431	398630	8782.1	N/A			
29	7/26/2019	77.05 75.94	7096	5663	3280 3213	406650	8764.5 8742.9	N/A			
30	7/20/2019	75.94	6891	5799	3068	412430	8748.1	N/A			
31	7/27/2019	77.4	6864	3643	3161	410180	8632.5	N/A			
32	7/27/2019	77.99	6643	5600	3202	407160		N/A			
33	7/27/2019	76.07	6869	6028	3412	398160 405020	8425 8593	N/A			
34 35	7/28/2019	78.56	7026	5910	3471	405020 396210	8476.9	N/A N/A			
36	7/28/2019	79.3	7020	5635	3388	406720	8577	N/A			
37	8/1/2019	36.5	8941	6312	5365	33610	3279	N/A			
38	8/1/2019	73.2	6513	5717	3346	399680	8457	N/A			
39	8/1/2019	74.43	6662	5691	3320	399480	8495	N/A			
40	8/2/2019	78.3	6710	5795	3450	410300	8631	N/A			
41	8/2/2019	76.4	6940	5663	3644	411940	8622	N/A			
42	8/3/2019	77.52	6852	6027	3374	409980	8600	N/A			
43	8/3/2019	80.3	6621	6003	3421	404480	8454	N/A			
44	8/4/2019	77.65	6649	6211	3887	405300	8415	N/A			
45	8/4/2019	72.74	6466	5491	3339	414340	8648	N/A			
46	8/4/2019	76.91	6567	5413	3373	404760	8444	N/A			
47	8/5/2019	79.2	6463	5584	3588	400140	8320	N/A			
48	8/6/2019	77.65	6979	6219	3610	406200	8550	N/A			
49	8/6/2019	72.24	6445	5858	3452	405560	8372	N/A			
50	8/6/2019	74.89	6234	6114	3348	405400	8437	N/A			
30	AVG	74.89 74.9									
	AVG	74.9	7,317	5,698	3,289	17,214,820	387,152	TOTAL			

API <u>47-085-</u>	API 47-085-10342 Farm Name David L. Weekley Revocable Trust_Well Number Cinqmars Unit 2H									
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	2,052	2,045	2,068						
Big Lime	2,067	2,837	2,044	2,839						
Fifty Foot Sandstone	2,837	3,049	2,815	3,052						
Gordon	3,049	3,123	3,028	3,127						
Fifth Sandstone	3,123	3,533	3,103	3,545						
Bayard	3,533	4,122	3,521	4,149						
Speechley	4,122	4,350	4,125	4,382						
Balltown	4,350	4,973	4,358	5,022						
Bradford	4,973	5,397	4,998	5,456						
Benson	5,397	5,628	5,432	5,693						
Alexander	5,628	6,414	5,669	6,574						
Sycamore	6,290	6,390	6,405	6,550						
Middlesex	6,390	6,490	6,550	6,732						
Burkett	6,490	6,516	6,732	6,794						
Tully	6,516	6,536	6,794	6,851						
Marcellus	6,536	NA	6,851	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

6/30/2019	Job Start Date:
8/6/2019	Job End Date:
West Virginia	State:
Ritchie	County:
47-085-10342-00-00	API Number:
Antero Resources Corporation	Operator Name:
Cinqmars 2H	Well Name and Number:
39.37158330	Latitude:
-80.92389160	Longitude:
NAD83	Datum:
NO	Federal Well:
NO	Indian Well:
6,609	True Vertical Depth:
18,841,197	Total Base Water Volume (gal):
0	Total Base Non Water Volume:







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
Fresh Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	88.68492	Density = 8.34
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.41261	

HYDROCHLORI C ACID, 22 BAUME	Halliburton	Solvent			
			Listed Below		
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant			
			Listed Below		
MC B-8614	Halliburton	Biocide			
			Listed Below		
Sand-Premium White-40/70	Halliburton	Proppant			
			Listed Below		
WG-36 GELLING AGENT	Halliburton	Gelling Agent			
			Listed Below		
CalFrac CalBreak 5501	Calfrac Well Services Corp.	Oxidizer			
			Listed Below		
SP BREAKER	Halliburton	Breaker			
			Listed Below		
SCALECHEK LP-70	Halliburton	Scale Inhibitor			
			Listed Below		

OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
Excelerate EC-8	Halliburton	Friction Reducer					
				Listed Below			
Sand-Premium White-30/50	Halliburton	Proppant					
				Listed Below			
FDP-S1296-17	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
Items above are Tra	ade Names with the	exception of Base Wa	ater . Items below are the indi	vidual ingredients.			
			Crystalline silica, quartz	14808-60-7	100.00000	10.85698	
			Hydrochloric acid	7647-01-0	15.00000	0.21719	
			Guar gum	9000-30-0	100.00000	0.01721	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01654	
			Inorganic salt	Proprietary	30.00000	0.01654	
			Acrylamide acrylate polymer	Proprietary	30.00000	0.01654	
			Ethylene glycol	107-21-1	60.00000	0.00830	
			Glutaraldehyde	111-30-8	30.00000	0.00278	
			Telomer	Proprietary	10.00000	0.00138	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00046	
			Peroxydisulfuric acid ([(HO)S(O)2]2O2), ammonium salt (1:2)	7727-54-0	100.00000	0.00037	

	Methanol	67-56-1	100.00000	0.00029	
	Sodium polyacrylate	9003-04-7	1.00000	0.00014	
	Ethanol	64-17-5	1.00000	0.00009	
	Ammonium persulfate	7727-54-0	100.00000	0.00007	
	2-Propenoic acid, methyl ester, polymer with 1,1-dichloroethene	Trade Secret	20.00000	0.00007	
	Sodium persulfate	7775-27-1	100.00000	0.00006	
	Modified thiourea polymer	Proprietary	30.00000	0.00006	
	Mixture of dimer and trimer fatty acids of indefinite compostion derived from tall oil	61790-12-3	30.00000	0.00006	
	Oxylated phenolic resin	Proprietary	30.00000	0.00002	
	Ethoxylated alcohols	Proprietary	5.00000	0.00001	
	Hexadecene	629-73-2	5.00000	0.00001	
	Propargyl alcohol	107-19-7	5.00000	0.00001	
	Phosphoric acid	7664-38-2	0.10000	0.00001	
	Acrylic acid	79-10-7	0.01000	0.00000	
	C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	
	Sodium sulfate	7757-82-6	0.10000	0.00000	

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)

^{*} Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%
*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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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:	47-085-10342	County:	Ritchie
District:	Clay	Well No:	Cinqmars Unit 2H
Farm Name:	David Weekley L. Revocable Trus	t	
Discharge Date/s l	From:(MMDDYY) 09/26/19	To: (MMI	DDYY) 10/26/19
Discharge Times.	From: 0:00	To: 24:00)
Total Volume to b	e Disposed from this facility (g	gallons): 906,634	
Disposal Option(s) Utilized (write volumes in gal	lons):	
(1) Land Applica	tion:	(Include a topograph	nical map of the Area.) 3400923823, 3400923824, 3416729731, 3416729543
(2) UIC:	104,033	Permit No.3416729464,	3400923823, 3400923824, 3416729731, 3416729543 3416729445, 3410523619, 3410523652
(3) Offsite Dispo	sal:	Site Location:	
(4) Reuse:	802,601	Alternate Permit Nu	mber:
(5) Centralized F	acility:	Permit No.	
(6) Other method	:	(Include an explanat	ion)
Follow Instruction	s below to determine your treat	ment category:	
Optional Pretreat			
	permission to use expedited tre		
(Y/N) <u>n/a</u>		and	l place a four (4) on line 7.
If not go to 1		(7101)	
	aid or flowback put into the pit?	(Y/N) n/a If yes	s, go to line 5. If not, go to
line 3.	a ablasida valva mustuaatsmant (and above 22 (V/NI) n/n	If you as to line 4
If not, go to 1	a chloride value pretreatment (see above)? (Y/N)	If yes, go to line 4
. •	de level less than 5000 mg/l? (Y	//N) n/a If ves ti	hen enter a one (1) on line 7.
	a pretreatment value for DO? (If yes, go to line 6
-	a three (3) in line 7.		in yes, go to imic o
	vel greater than 2.5 mg/l?(Y/N)	n/a If yes, e	enter a two (2) on line 7. If
not, enter a t	hree (3) on line 7.		• •
7. <u>n/a</u> is t	he category of your pit. Use the	Appropriate section.	
8. Comments	on Pit condition: n/a No pit o	on site	
·	pal Exec. Officer: Gretchen Kol		
Title of Officer		latory Manager	
Date Complete			
₹	der penalty of law that I have	•	
	mitted on this document and all		
	luals immediately responsible rue, accurate, and complete. I	~	
	e information, including the pos		
Swormania Iulio			
	the of the	(max)_	

Signature of a Principal Exec. Officer or Authorized agent.

Parameter pH	Pred Limits 6-10
Category 1 Sampling Results API No:	
WR-34 Page 2 of 3	

	Predi	scharge	Disc	harge	
Parameter	Limits	Reported	Limits	Reported	Units
pН	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	8	Gal
Flow			Monitor		Gal/min
Disposal Area			Monitor		Acres
*** Al is only rep	orted if the pH	is above 9.0			

Category 2	
Sampling Results	
API No:	

	Predis	scharge	Disc	harge	
Parameter	Limits	Reported	Limits	Reported	Units
pН	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	v	Obs.
TOC**			Monitor		mg/l
Oil and Grease			Monitor		mg/l
Total Al***			Monitor		mg/l
TSS			Monitor		mg/l
Total Mn	Monitor		Monitor	54-2	mg/l
Volume			Monitor		Gal
Flow			Monitor		Gal/min
Disposal Area			Monitor		Acres
* 0 1 05 000	•.1 •				

^{*} Can be 25,000 with inspector's approval,

(Inspector's signature):	
** Include a description of	of your aeration technique.

Date:		
Aera	ation Code	

^{***} Al is only reported if the pH is above 9.0

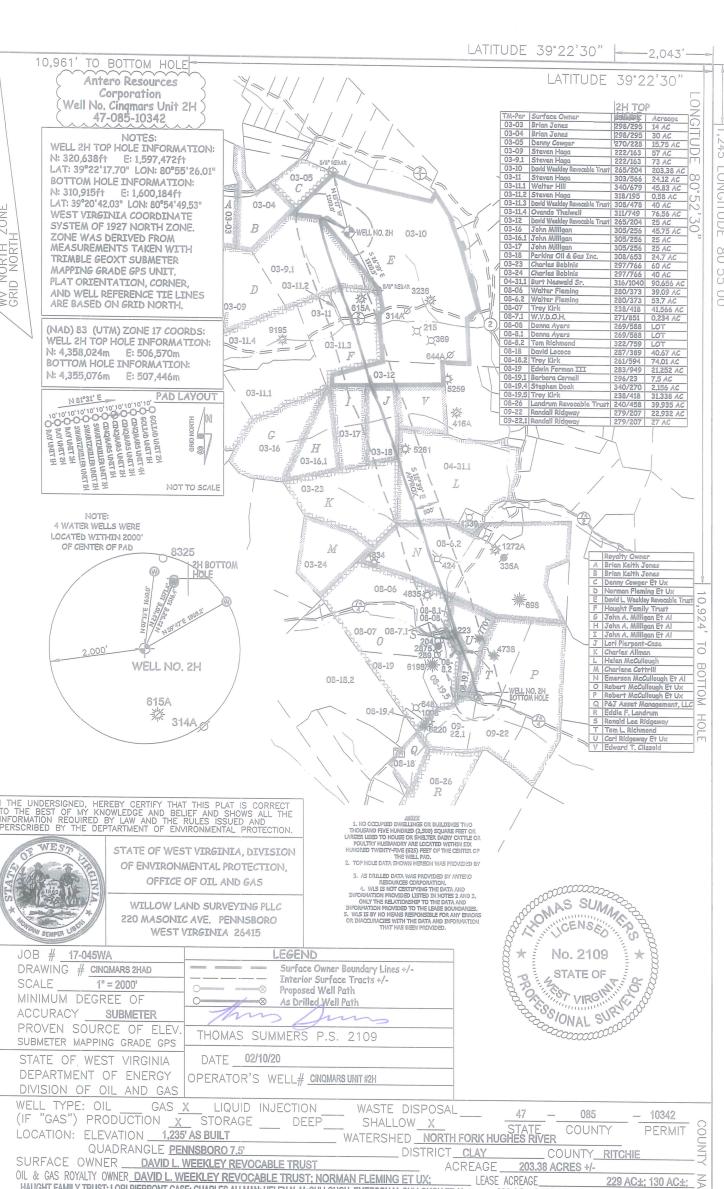
WR-34				
Page	3	of 3		

Category 3	
Sampling Results	
ADI No.	

	Predi	scharge	Disc	harge	
Parameter	Limits	Reported	Limits	Reported	Units
pН	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 w	ith inspector's	approval,			
(Inspector's signate	ure):		Da	ate:	
** Include a descri		-	ue.	Aeration Code	:
*** Al is only repo	orted if the pH	is above 9.0.			
Category 4					
Sampling Results					
API No:					
		-			

	Predis	charge	Disc	harge	
Parameter	Limits	Reported	Limits	Reported	Units
pН	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	1b/B1
Date Site Reclaimed	N/A	N/A			10 days from dis.
Disposal Area			Monitor		Acres
* Can be 25,000 wi	th inspector's	approval,			

(Inspector's signature): Date:



DIVISION OF OIL AND GAS WELL TYPE: OIL ___ GA (IF "GAS") PRODUCTION

OIL & GAS ROYALTY OWNER DAVID L. WEEKLEY REVOCABLE TRUST; NORMAN FLEMING ET UX HAUGHT FAMILY TRUST; LORI PIERPONT-CASE; CHARLES ALLMAN; HELEN N. McCULLOUGH; EMERSON McCULLOUGH ET AL; 323 AC±; 24.25 AC±; 60 AC±; 103 AC±; 154 AC±; ROBERT McCULLOUGH ET UX; CARL RIDGEWAY ET UX; TOM L. RICHMOND; RONALD LEE RIDGEWAY; ROBERT McCULLOUGH ET UX 148 AC±; 22.5 AC±; 0.3 AC±; 0.1 AC±; 148.5 AC± FRACTURE OR STIMULATE SICAL CHANGE IN WELL CLEAN OUT & REPLUG PROPOSED PLUG OFF WORK: DRILL OLD FORMATION ___ EPER REDRILL
MATION OTHER PH
PLUG & ABANDON
ESTIMATED DEPTH
DESIGNATED AGENT D ___ CONVERT ____ DRILL DEEPER ____ PERFORATE NEW FORMATION PHYSICAL (SPECIFY) AS DRILLED
TARGET FORMATION

MARCELLUS ANTERO RESOURCES CORP 1615 WYNKOOP ST. DENVER, CO 80202 OPERATOR _ ADDRESS FORM WW-6

ADDRESS

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6,609' TVD 16,904' MD