



January 13, 2020

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

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> 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:

- Hayhurst Unit 1H—Black Forest Pad (API # 47-085-10376)
- Hayhurst Unit 2H—Black Forest Pad (API # 47-085-10377)
- Everly Unit 1H—Black Forest Pad (API # 47-085-10378)

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

Sincerely,

A handwritten signature in black ink, appearing to read "MGriffith", written over a horizontal line.

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 - 10378 County Ritchie District Clay  
Quad Ellenboro 7.5' Pad Name Black Forest Pad Field/Pool Name ----  
Farm name Michael Gail Underwood et al Well Number Everly 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 4351136m Easting 497577m  
Landing Point of Curve Northing 4351608.25m Easting 584117.72m  
Bottom Hole Northing 4348986m Easting 498661m

Elevation (ft) 1083' 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 1/7/2019 Date drilling commenced 1/8/2019 Date drilling ceased 3/25/2019  
Date completion activities began 6/30/2019 Date completion activities ceased 8/10/2019  
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 97', 319' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1507' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:

API 47- 085 - 10378 Farm name Michael Gail Underwood et al Well number Everly 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"	98'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	448'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2637'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	14433'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6519'		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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	204 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	390 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	905 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	675 sx (Lead) 1735 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)		-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14453' MD, 6297' TVD (BHL), 6305' (Deepest Point Drilled) Loggers TD (ft) 14453' 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 - 10378 Farm name Michael Gail Underwood et al Well number Everly Unit 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus	6216' (TOP)	TVD	6595' (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 8231 mcfpd Oil 79 bpd NGL --- bpd Water 19 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 <sub>2</sub> S, ETC)
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**\*PLEASE SEE ATTACHED EXHIBIT 3**


Please insert additional pages as applicable.

Drilling Contractor Frontier Drilling LLC  
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

Logging Company Allied Horizontal Wireline Services  
Address 381 Colonial Manor Road City North Huntington State PA Zip 15642

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 1/13/2020

API 47-085-10378 Farm Name Michael Gail Underwood et al Well Number Everly Unit 1H

**EXHIBIT 1**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	7/3/2019	14240.518	14075.108	60	Marcellus
2	7/3/2019	14039.626	13874.216	60	Marcellus
3	7/4/2019	13838.734	13673.324	60	Marcellus
4	7/5/2019	13637.842	13472.432	60	Marcellus
5	7/5/2019	13436.95	13271.54	60	Marcellus
6	7/6/2019	13236.058	13070.648	60	Marcellus
7	7/7/2019	13035.166	12869.756	60	Marcellus
8	7/7/2019	12834.274	12668.864	60	Marcellus
9	7/8/2019	12633.382	12467.972	60	Marcellus
10	7/9/2019	12432.49	12267.08	60	Marcellus
11	7/9/2019	12231.598	12066.188	60	Marcellus
12	7/9/2019	12030.706	11865.296	60	Marcellus
13	7/13/2019	11829.814	11664.404	60	Marcellus
14	7/13/2019	11628.922	11463.512	60	Marcellus
15	7/14/2019	11428.03	11262.62	60	Marcellus
16	7/15/2019	11227.138	11061.728	60	Marcellus
17	7/16/2019	11026.246	10860.836	60	Marcellus
18	7/16/2019	10825.354	10659.944	60	Marcellus
19	7/17/2019	10624.462	10459.052	60	Marcellus
20	7/18/2019	10423.57	10258.16	60	Marcellus
21	7/18/2019	10222.678	10057.268	60	Marcellus
22	7/19/2019	10021.786	9856.376	60	Marcellus
23	7/20/2019	9820.894	9655.484	60	Marcellus
24	7/20/2019	9620.002	9454.592	60	Marcellus
25	7/21/2019	9419.11	9253.7	60	Marcellus
26	7/21/2019	9218.218	9052.808	60	Marcellus
27	7/22/2019	9017.326	8851.916	60	Marcellus
28	7/22/2019	8816.434	8651.024	60	Marcellus
29	7/23/2019	8615.542	8450.132	60	Marcellus
30	7/23/2019	8414.65	8249.24	60	Marcellus
31	7/24/2019	8213.758	8048.348	60	Marcellus
32	7/24/2019	8012.866	7847.456	60	Marcellus
33	7/25/2019	7811.974	7646.564	60	Marcellus
34	7/26/2019	7611.082	7445.672	60	Marcellus
35	7/27/2019	7410.19	7244.78	60	Marcellus
36	7/27/2019	7209.298	7043.888	60	Marcellus
37	7/28/2019	7008.406	6842.996	60	Marcellus
38	7/29/2019	6807.514	6642.104	60	Marcellus


## 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	7/2/2019	69.41514	7219.383	6005	3980	224330	7984.894	N/A
2	7/3/2019	68.64739	7556.08	6194	3644	499050	12417.34	N/A
3	7/3/2019	77.26925	7501.669	5496	3530	495880	10636.17	N/A
4	7/4/2019	78.46697	7436.423	5792	3494	499200	10538.56	N/A
5	7/5/2019	77.04623	7199.433	7020	3718	502300	10141.97	N/A
6	7/5/2019	76.38654	7396.498	5900	3520	500650	10745.88	N/A
7	7/6/2019	79.57779	7374.916	6511	3386	499750	10058.86	N/A
8	7/7/2019	75.97655	7354.614	6511	3658	515220	10132.11	N/A
9	7/7/2019	78.75964	7258.204	6280	3638	502890	10080.77	N/A
10	7/8/2019	77.53932	7370.558	6284	4156	499675	10047.2	N/A
11	7/9/2019	76.74102	7093.598	6384	4016	500900	10073.2	N/A
12	7/9/2019	78.21277	6992.749	5800	3818	499450	10089.15	N/A
13	7/9/2019	78.49182	7083.881	5921	3845	501250	10095.03	N/A
14	7/13/2019	79.53629	7007.798	6262	4331	463700	9857.62	N/A
15	7/13/2019	79.03017	6810.911	5920	4055	500450	10107.17	N/A
16	7/14/2019	77.70932	6798.96	5707	4014	498080	10042.76	N/A
17	7/15/2019	77.6167	6571.362	4012	3491	499050	10014.29	N/A
18	7/16/2019	77.76471	6757.935	6794	3841	500000	10095.93	N/A
19	7/16/2019	70.73825	7523.003	5510	3767	499100	10053.37	N/A
20	7/17/2019	77.51785	6769.543	6730	3593	498790	9952.46	N/A
21	7/18/2019	76.29525	6659.803	5306	3171	498320	10052.41	N/A
22	7/18/2019	76.48963	6551.165	7124	3110	499550	10099.94	N/A
23	7/19/2019	70.21875	6243.871	5509	3156	498250	13268.95	N/A
24	7/20/2019	77.78391	6757.096	6878	3378	498940	10022.47	N/A
25	7/20/2019	76.74108	6482.355	6894	3548	497800	9981.19	N/A
26	7/21/2019	77.1919	6439.161	6548	3232	501700	10013.08	N/A
27	7/21/2019	75.66912	6450.054	6989	3024	503600	9924.83	N/A
28	7/22/2019	76.82034	6295.758	6357	3350	500490	9903.95	N/A
29	7/22/2019	77.76796	6683.205	5571	3308	498650	9973.54	N/A
30	7/23/2019	75.58041	6375.127	5857	3611	499710	10255.86	N/A
31	7/23/2019	74.70788	6564.433	5516	3375	502550	9870.96	N/A
32	7/24/2019	76.35109	6241.26	5610	3358	501280	9859.75	N/A
33	7/24/2019	77.3318	6466.953	5653	3376	500200	9754.87	N/A
34	7/25/2019	83.99699	6547.382	6236	3334	502131	10072.99	N/A
35	7/26/2019	76.67781	6309.356	5664	3251	499050	9942.02	N/A
36	7/27/2019	75.51899	6382.308	5724	2908	500850	9968.8	N/A
37	7/27/2019	76.95776	6400.884	6281	3500	499050	9828.88	N/A
38	7/28/2019	78.81346	6222.194	6342	3124	499900	9755.65	N/A
39	7/29/2019	77.80009	6029.895	6632	2718	499500	9895.03	N/A
	<b>AVG</b>	<b>76.7</b>	<b>6,799</b>	<b>6,095</b>	<b>3,521</b>	<b>19,201,236</b>	<b>395,610</b>	<b>TOTAL</b>

**EXHIBIT 3**

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	75	115	75	115
Sandy shale	115	295	115	295
Sandstone	295	355	295	355
Silty Sandstone tr shale	355	465	355	465
Sandy siltstone tr limestone	465	535	465	535
silty, limy shale	535	685	535	685
Sandy siltstone	685	935	685	935
sandy siltstone tr coal	935	1,075	935	1,075
Silty shale	1,075	1,255	1,075	1,255
Silty sandstone	1,255	1,435	1,255	1,435
silty shale tr coal	1,435	1,645	1,435	1,645
shaly sandstone tr coal	1,645	1,795	1,645	1,795
Shale w coal interbeds	1,795	1,869	1,795	1,911
Big Lime	1,886	2,939	1,886	2,995
Fifty Foot Sandstone	2,970	3,053	2,970	3,112
Gordon	3,087	3,203	3,087	3,266
Fifth Sandstone	3,241	3,468	3,241	3,538
Bayard	3,513	4,030	3,513	4,117
Speechley	4,092	4,250	4,092	4,342
Balltown	4,317	4,619	4,317	4,720
Bradford	4,695	4,906	4,695	5,016
Benson	4,991	5,183	4,991	5,304
Alexander	5,279	6,124	5,279	6,346
Sycamore	6,188	6,099	6,188	6,321
Middlesex	6,321	6,196	6,321	6,529
Burkett	6,529	6,216	6,529	6,595
Marcellus	6,595	NA	6,595	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

Job Start Date:	7/2/2019
Job End Date:	7/29/2019
State:	West Virginia
County:	Ritchie
API Number:	47-085-10378-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Everly Unit 1H
Latitude:	39.30953610
Longitude:	-81.02826940
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,302
Total Base Water Volume (gal)	16,918,352
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
Water	Supplied by Operator	Base Fluid					
			Water	7732-18-5	100.00000	87.67294	
DAP-103	CWS	Iron Control					
				Listed Below			

Sand (Proppant)	CWS	Propping Agent						
					Listed Below			
Hydrochloric Acid	CWS	Clean Perforations						
					Listed Below			
CalGel 4000	CWS	Gel Slurry						
					Listed Below			
Calbreak 5501	CWS	Breaker						
					Listed Below			
CI-9100G	CWS	Corrosion Inhibitor						
					Listed Below			
Sand	Operator	Propping Agent						
					Listed Below			
SaniFrac 8844	CWS	Biocide						
					Listed Below			
DWP-641	CWS	Friction Reducer						
					Listed Below			
DAP-902	CWS	Scale Inhibitor						

Other Chemical (s)	Listed Above	See Trade Name (s) List	Listed Below	Listed Below				
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.								
			Crystalline silica (Quartz)	14808-60-7	100.00000	11.91797		
			Hydrochloric acid	7647-01-0	37.00000	0.08088		
			Calcite	471-34-1	1.00000	0.07947		
			Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.05072		
			Guar gum	9000-30-0	60.00000	0.05072		
			Illite	12173-60-3	1.00000	0.03967		
			Polymer	26100-47-0	45.00000	0.02317		
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01545		
			Goethite	1310-14-1	0.10000	0.01191		
			Biotite	1302-27-8	0.10000	0.01191		
			Apatite	64476-38-6	0.10000	0.01191		
			Polyethylene glycol mixture	25322-68-3	54.50000	0.00653		
			Ammonium chloride	12125-02-9	11.00000	0.00566		
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00423		
			Ilmenite	98072-94-7	0.10000	0.00397		
			2,2-Dibromo-3-Nitropropionamide	10222-01-2	20.00000	0.00240		
			Sorbitan monooleate	1338-43-8	4.00000	0.00206		
			Ammonium Persulfate	7727-54-0	100.00000	0.00170		
			Polyethylene glycol monooleate	9004-96-0	3.00000	0.00154		

					37251-67-5	1.50000	0.00127	
				Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether				
				Sorbitol tetraoleate	61723-83-9	2.00000	0.00103	
				Citric acid	77-92-9	60.00000	0.00077	
				Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00051	
				Sodium bromide	7647-15-6	4.00000	0.00048	
				Dibromoacetonitrile	3252-43-5	3.00000	0.00036	
				Vinylidene chloride-methyl acrylate copolymer	25038-72-6	20.00000	0.00034	
				Alkyloxypolyethyleneoxy ethanol	84133-50-6	0.50000	0.00026	
				Ethylene Glycol	107-21-1	40.00000	0.00005	
				Acrylamide	79-06-1	0.10000	0.00005	
				Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00002	
				Tar bases, quinolone derivs, benzyl chloride- quatenized	72480-70-7	10.00000	0.00001	
				Isopropyl alcohol	67-63-0	5.00000	0.00001	
				Ethoxylated Alcohols	68131-39-5	10.00000	0.00001	
				Cinnamaldehyde	104-55-2	10.00000	0.00001	
				Formic acid	64-18-6	10.00000	0.00001	
				Organic Acid Salts	9003-04-7			Proprietary Additive Concentration
				Glycol	57-55-6			Proprietary Additive Concentration

\* 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

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)

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: 47-085-10378 County: Ritchie  
District: Clay Well No: Everly Unit 1H  
Farm Name: Michael Gail Underwood et al  
Discharge Date/s From:(MMDDYY) 08/23/19 To: (MMDDYY) 09/22/19  
Discharge Times. From: 0:00 To: 24:00  
Total Volume to be Disposed from this facility (gallons): 1,323,336  
Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: \_\_\_\_\_ (Include a topographical map of the Area.)  
(2) UIC: 354,970 Permit No. 3400923821, 3400923823, 3400923824, 3416729731, 3410523185, 3410523268  
(3) Offsite Disposal: \_\_\_\_\_ Site Location: \_\_\_\_\_  
(4) Reuse: 968,365 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: 10/30/19

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.

  
\_\_\_\_\_  
Signature of a Principal Exec. Officer or Authorized agent.

Category 1  
Sampling Results

API No : \_\_\_\_\_

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
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		Discharge		Units
	Limits	Reported	Limits	Reported	
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		Discharge		Units
	Limits	Reported	Limits	Reported	
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		Discharge		Units
	Limits	Reported	Limits	Reported	
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/B1
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: \_\_\_\_\_



