



Antero Resources
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August 9, 2019

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:

- Waco Unit 1H (API # 47-085-10354)—Bison Pad
- Waco Unit 2H (API # 47-085-10356)—Bison Pad
- Waldo Unit 1H (API # 47-085-10353)—Bison Pad
- Waldo Unit 2H (API # 47-085-10355)—Bison Pad

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 "Megan Griffith", written in a cursive style.

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- _____ - _____ County _____ District _____
Quad _____ Pad Name _____ Field/Pool Name _____
Farm name _____ Well Number _____
Operator (as registered with the OOG) _____
Address _____ City _____ State _____ Zip _____

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing _____ Easting _____
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) _____ 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)

Date permit issued _____ Date drilling commenced _____ Date drilling ceased _____
Date completion activities began _____ Date completion activities ceased _____
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft _____ Open mine(s) (Y/N) depths _____
Salt water depth(s) ft _____ Void(s) encountered (Y/N) depths _____
Coal depth(s) ft _____ Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) _____

Reviewed by:

API 47- _____ - _____ Farm name _____ Well number _____

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							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

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							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) _____ Loggers TD (ft) _____
 Deepest formation penetrated _____ Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) _____

** This is a subsequent Well. Antero only runs wireline logs on one well on a multi-well pad (Bill Unit 3H API#47-085-10257). 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 _____

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- ____ - ____ Farm name _____ Well number _____

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- _____ - _____ Farm name _____ Well number _____

PRODUCING FORMATION(S)

DEPTHS

_____	_____ TVD	_____ MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

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

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ 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 ₂ S, ETC)
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***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

Stimulating Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by _____ Telephone _____
Signature _____ Title _____ Date _____

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	2/24/2019	17899.3		60	Marcellus
2	2/26/2019	17817.09	17653.04	60	Marcellus
3	2/26/2019	17617.83	17453.78	60	Marcellus
4	2/26/2019	17418.57	17254.52	60	Marcellus
5	2/26/2019	17219.31	17055.26	60	Marcellus
6	2/27/2019	17020.05	16856	60	Marcellus
7	2/27/2019	16820.79	16656.74	60	Marcellus
8	2/27/2019	16621.53	16457.48	60	Marcellus
9	2/28/2019	16422.27	16258.22	60	Marcellus
10	2/28/2019	16223.01	16058.96	60	Marcellus
11	2/28/2019	16023.75	15859.7	60	Marcellus
12	3/1/2019	15824.49	15660.44	60	Marcellus
13	3/2/2019	15625.23	15461.18	60	Marcellus
14	3/1/2019	15425.97	15261.92	60	Marcellus
15	3/2/2019	15226.71	15062.66	60	Marcellus
16	3/2/2019	15027.45	14863.4	60	Marcellus
17	3/2/2019	14828.19	14664.14	60	Marcellus
18	3/2/2019	14628.93	14464.88	60	Marcellus
19	3/3/2019	14429.67	14265.62	60	Marcellus
20	3/3/2019	14230.41	14066.36	60	Marcellus
21	3/3/2019	14031.15	13867.1	60	Marcellus
22	3/4/2019	13831.89	13667.84	60	Marcellus
23	3/4/2019	13632.63	13468.58	60	Marcellus
24	3/4/2019	13433.37	13269.32	60	Marcellus
25	3/5/2019	13234.11	13070.06	60	Marcellus
26	3/5/2019	13034.85	12870.8	60	Marcellus
27	3/5/2019	12835.59	12671.54	60	Marcellus
28	3/6/2019	12636.33	12472.28	60	Marcellus
29	3/6/2019	12437.07	12273.02	60	Marcellus
30	3/6/2019	12237.81	12073.76	60	Marcellus
31	3/7/2019	12038.55	11874.5	60	Marcellus
32	3/7/2019	11839.29	11675.24	60	Marcellus
33	3/7/2019	11640.03	11475.98	60	Marcellus
34	3/7/2019	11440.77	11276.72	60	Marcellus
35	3/8/2019	11241.51	11077.46	60	Marcellus
36	3/8/2019	11042.25	10878.2	60	Marcellus
37	3/8/2019	10842.99	10678.94	60	Marcellus
38	3/9/2019	10643.73	10479.68	60	Marcellus
39	3/9/2019	10444.47	10280.42	60	Marcellus
40	3/9/2019	10245.21	10081.16	60	Marcellus
41	3/10/2019	10045.95	9881.9	60	Marcellus
42	3/10/2019	9846.69	9682.64	60	Marcellus
43	3/10/2019	9647.43	9483.38	60	Marcellus
44	3/11/2019	9448.17	9284.12	60	Marcellus
45	3/11/2019	9248.91	9084.86	60	Marcellus
46	3/11/2019	9049.65	8885.6	60	Marcellus
47	3/12/2019	8850.39	8686.34	60	Marcellus
48	3/12/2019	8651.13	8487.08	60	Marcellus
49	3/13/2019	8451.87	8287.82	60	Marcellus
50	3/13/2019	8252.61	8088.56	60	Marcellus
51	3/13/2019	8053.35	7889.3	60	Marcellus
52	3/13/2019	7854.09	7690.04	60	Marcellus
53	3/14/2019	7654.83	7490.78	60	Marcellus
54	3/14/2019	7455.57	7291.52	60	Marcellus
55	3/14/2019	7256.31	7092.26	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	2/24/2019	54.70777	7926.909	7349	4532	148000	5468	N/A
2	2/26/2019	75.23906	8137.02	5418	4756	397880	8432	N/A
3	2/26/2019	71.61849	7834.965	4483	4715	397980	8397	N/A
4	2/26/2019	73.82707	8007.534	4625	4099	397990	8384	N/A
5	2/26/2019	73.65359	7980.43	5215	4429	398000	8285	N/A
6	2/27/2019	68.94582	7649.911	5511	5022	397700	8371	N/A
7	2/27/2019	60.46077	8134.889	5511	3210	397520	9989	N/A
8	2/27/2019	71.13713	8090.988	5161	3634	405240	8371	N/A
9	2/28/2019	73.63492	7897.973	5279	3723	400020	8394	N/A
10	2/28/2019	73.86757	7712.881	5250	3488	397770	8630	N/A
11	2/28/2019	75.29625	8015.236	5295	3871	397750	8413	N/A
12	3/1/2019	74.72359	8078.032	5454	4043	397950	8249	N/A
13	3/2/2019	77.28775	8069.724	5701	4367	397870	8167	N/A
14	3/1/2019	74.72359	8078.032	5454	4043	395700	8208	N/A
15	3/2/2019	77.28775	8069.724	5701	4367	399000	8213	N/A
16	3/2/2019	69.29278	7550.671	5509	4235	397820	8346	N/A
17	3/2/2019	68.54334	7725.457	5586	4056	398270	8279	N/A
18	3/2/2019	72.58836	7939.484	5586	4706	399700	8336	N/A
19	3/3/2019	73.60727	7894.261	6014	4886	398060	8970	N/A
20	3/3/2019	76.21728	7916.965	5977	3904	399540	8169	N/A
21	3/3/2019	73.80491	7709.047	4926	4926	390220	10013	N/A
22	3/4/2019	79.1663	8013.967	5371	4964	397400	8336	N/A
23	3/4/2019	78.99455	7543.993	4727	4215	397630	8236	N/A
24	3/4/2019	79.74464	7880.936	5505	4318	397890	8181	N/A
25	3/5/2019	85.28649	8179.172	5045	4433	398000	8286	N/A
26	3/5/2019	78.49957	7647.182	5170	3762	397560	8238	N/A
27	3/5/2019	82.78299	7982.089	5471	3808	397800	8281	N/A
28	3/6/2019	84.5576	8102.05	4725	3917	398040	8176	N/A
29	3/6/2019	76.82641	7719.519	6034	4365	398060	8545	N/A
30	3/6/2019	86.3	8051	4244	3905	398800	8210	N/A
31	3/7/2019	86.4	8133	4943	3660	399850	8101	N/A
32	3/7/2019	78.2	7748	5352	4513	398280	8238	N/A
33	3/7/2019	78.98713	7741.263	5065	3610	398180	8025	N/A
34	3/7/2019	85.11771	8112.237	5088	3717	400000	8255	N/A
35	3/8/2019	85.63469	8262.728	5696	4050	398450	8080	N/A
36	3/8/2019	77.36199	7886.971	5011	3317	398480	8203	N/A
37	3/8/2019	88.63933	8045.063	5113	4210	397890	8202	N/A
38	3/9/2019	86.85969	7815.732	4454	3914	396600	9786	N/A
39	3/9/2019	79.41621	7431.353	5192	4687	399220	9894	N/A
40	3/9/2019	89.1085	7906.981	4974	4027	399350	8113	N/A
41	3/10/2019	89.12538	7748.466	5204	4518	398860	8277	N/A
42	3/10/2019	83.25402	7216.838	5110	3885	399540	8051	N/A
43	3/10/2019	85.12379	7346.561	5563	4263	399250	9065	N/A
44	3/11/2019	83.49819	7266.803	5527	4251	405260	8137	N/A
45	3/11/2019	88.58548	7807	4688	3930	407040	8104	N/A
46	3/11/2019	89.24046	8085.164	4691	4072	398050	8007	N/A
47	3/12/2019	79.03016	7274.157	6059	3655	397550	7980	N/A
48	3/12/2019	89.27996	7554.962	3970	4810	398600	8046	N/A
49	3/13/2019	89.23831	7757.404	5053	4086	399300	7988	N/A
50	3/13/2019	85.76422	7146.476	5709	4397	398900	7962	N/A
51	3/13/2019	85.04654	7099.759	6366	4235	397450	7883	N/A
52	3/13/2019	90.34234	6983.644	5564	4129	399920	7913	N/A
53	3/14/2019	90.84497	6913.038	4563	3683	401050	7857	N/A
54	3/14/2019	88.57028	6685.328	5846	3696	398250	7920	N/A
55	3/14/2019	88.09265	6797.06	5938	3740	399400	7943	N/A
	AVG=	75	7,914	5,353	4,196	12,887,470	274,937	TOTAL

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	-15	190	-15	190
Sandy siltstone	190	290	190	290
Sandstone	290	600	290	600
Silty Sandstone	600	870	600	870
limey siltstone	870	945	870	945
silty sandstone, tr. coal	945	1,095	945	1,095
silty sandstone	1,095	1,490	1,095	1,490
silty shale	1,490	1,620	1,490	1,620
sandstone, tr coal	1,620	1,630	1,620	1,630
silty sandstone	1,630	1,670	1,630	1,670
sandstone	1,670	1,745	1,670	1,745
sandy shale	1,745	1,770	1,745	1,770
shaly sand	1,770	2,002	1,770	2,004
Big Lime	2,017	2,881	2,019	2,883
Fifty Foot Sandstone	2,881	3,010	2,883	3,014
Gordon	3,010	3,167	3,014	3,173
Fifth Sandstone	3,167	3,430	3,173	3,445
Bayard	3,430	3,908	3,445	3,951
Speechley	3,908	4,131	3,951	4,198
Balltown	4,131	4,653	4,198	4,770
Bradford	4,653	5,010	4,770	5,164
Benson	5,010	5,232	5,164	5,409
Alexander	5,232	6,379	5,409	6,715
Sycamore	6,240	6,349	6,538	6,685
Middlesex	6,349	6,460	6,685	6,879
Burkett	6,460	6,492	6,879	6,954
Tully	6,492	6,519	6,954	7,040
Marcellus	6,519	NA	7,040	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:	2/24/2019
Job End Date:	3/14/2019
State:	West Virginia
County:	Ritchie
API Number:	47-085-10355-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Waldo Unit 2H
Latitude:	39.29520600
Longitude:	-80.90128900
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,617
Total Base Water Volume (gal):	19,989,719
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	88.21505	
CalGel 4000	CWS	Gel Slurry					
				Listed Below			

CI-9100G	CWS	Corrosion Inhibitor					
				Listed Below			
SaniFrac 8844	CWS	Biocide					
				Listed Below			
DAP-902	CWS	Scale Inhibitor					
				Listed Below			
DWP-641	CWS	Friction Reducer					
				Listed Below			
Calbreak 5501	CWS	Breaker					
				Listed Below			
DAP-103	CWS	Iron Control					
				Listed Below			
Sand (Proppant)	CWS	Propping Agent					
				Listed Below			
15% HCl Acid	CWS	Clean Perforations					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					

				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	11.46396	
			Calcite	471-34-1	1.00000	0.08006	
			Hydrochloric acid	7647-01-0	37.00000	0.05440	
			Illite	12173-60-3	1.00000	0.03456	
			Polymer	26100-47-0	45.00000	0.02564	
			Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.02331	
			Guar gum	9000-30-0	60.00000	0.02331	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01709	
			Goethite	1310-14-1	0.10000	0.01146	
			Biotite	1302-27-8	0.10000	0.01146	
			Apatite	64476-38-6	0.10000	0.01146	
			Ammonium chloride	12125-02-9	11.00000	0.00627	
			Polyethylene glycol mixture	25322-68-3	54.50000	0.00572	
			Ilmenite	98072-94-7	0.10000	0.00346	
			Sorbitan monooleate	1338-43-8	4.00000	0.00228	
			2,2-Dibromo-3-Nitrilopropionamide	10222-01-2	20.00000	0.00210	
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00194	
			Polyethylene glycol monooleate	9004-96-0	3.00000	0.00171	
			Sorbitol tetraoleate	61723-83-9	2.00000	0.00114	
			Ammonium Persulfate	7727-54-0	100.00000	0.00069	
			Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether	37251-67-5	1.50000	0.00058	
			Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00057	

			Citric acid	77-92-9	60.00000	0.00049	
			Sodium bromide	7647-15-6	4.00000	0.00042	
			Dibromoacetonitrile	3252-43-5	3.00000	0.00032	
			Alkyloxypolyethyleneoxy ethanol	84133-50-6	0.50000	0.00028	
			Vinylidene chloride-methyl acrylate copolymer	25038-72-6	20.00000	0.00014	
			Acrylamide	79-06-1	0.10000	0.00006	
			Ethylene Glycol	107-21-1	40.00000	0.00003	
			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	
			Cinnamaldehyde	104-55-2	10.00000	0.00001	
			Formic acid	64-18-6	10.00000	0.00001	
			Ethoxylated Alcohols	68131-39-5	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: 47-085-10355 County: Ritchie
District: Clay Well No: Waldo Unit 2H
Farm Name: Antero Resources Corporation
Discharge Date/s From:(MMDDYY) 05/06/19 To: (MMDDYY) 06/05/19
Discharge Times. From: 0:00 To: 24:00
Total Volume to be Disposed from this facility (gallons): 593,873
Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
(2) UIC: 104,515 Permit No. 3416729731, 3400923821
(3) Offsite Disposal: _____ Site Location: _____
(4) Reuse: 489,359 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: 7/12/19

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: _____