

September 5, 2019

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 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:

- Winchester Unit 1H (API # 47-095-02515)—Sine Pad
- ➤ Winchester Unit 2H (API # 47-095-02534)—Sine Pad
- Orvis Unit 2H (API # 47-095-02532)—Sine Pad
- Remington Unit 1H (API # 47-095-02533)—Sine Pad
- Remington Unit 2H (API # 47-095-02535)—Sine Pad

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:	

API 4	API 47 Farm name							Well number				
					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	<del> </del> 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	<del> </del> = дт	ΤΔ	CHE	h D F	ΧH	BIT 2	<del> </del>
1	1					<b>-</b> / \						<b>-</b> 

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 <sub>2</sub> 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	<del></del>
Submittal of H	ydraulic F	racturing C	hemical	Disclos	ure Info	rmation	At	tach copy o	of FRACFO	CUS Registry	

API <u>47-095-02533</u> Farm Name <u>James Sine et al</u> Well Number <u>Remington Unit 1H</u> <b>EXHIBIT 1</b>										
Stage No.	Perforation	Perforated from MD	Perforated to	Number of	Formations					
	Date 4/27/2019	ft. 16816.5	MD ft.	Perforations						
1	4/28/2019	16615.662	16785.027	60	Marcellus					
2	4/29/2019	16414.824	16584.189	60	Marcellus					
3	4/29/2019	16213.986	16383.351	60	Marcellus					
4	4/30/2019	16013.148	16182.513	60	Marcellus					
5	4/30/2019	15812.31	15981.675	60	Marcellus					
6	5/1/2019	15611.472	15780.837	60	Marcellus					
7	5/1/2019	15611.472		60	Marcellus					
8	-, ,	15209.796	15579.999	60	Marcellus					
9	5/2/2019		15379.161	60	Marcellus					
10	5/2/2019	15008.958	15178.323	60	Marcellus					
11	5/3/2019	14808.12	14977.485	60	Marcellus					
12	5/3/2019	14607.282	14776.647	60	Marcellus					
13	5/4/2019	14406.444	14575.809	60	Marcellus					
14	5/4/2019	14205.606	14374.971	60	Marcellus					
15	5/4/2019	14004.768	14174.133	60	Marcellus					
16	5/5/2019	13803.93	13973.295	60	Marcellus					
17	5/5/2019	13603.092	13772.457	60	Marcellus					
18	5/6/2019	13402.254	13571.619	60	Marcellus					
19	5/6/2019	13201.416	13370.781	60	Marcellus					
20	5/7/2019	13000.578	13169.943	60	Marcellus					
21	5/7/2019	12799.74	12969.105	60	Marcellus					
22	5/8/2019	12598.902	12768.267	60	Marcellus					
23	5/8/2019	12398.064	12567.429	60	Marcellus					
24	5/9/2019	12197.226	12366.591	60	Marcellus					
25	5/9/2019	11996.388	12165.753	60	Marcellus					
26	5/10/2019	11795.55	11964.915	60	Marcellus					
27	5/10/2019	11594.712	11764.077	60	Marcellus					
28	5/10/2019	11393.874	11563.239	60	Marcellus					
29	5/11/2019	11193.036	11362.401	60	Marcellus					
30	5/11/2019	10992.198	11161.563	60	Marcellus					
31	5/11/2019	10791.36	10960.725	60	Marcellus					
32	5/12/2019	10590.522	10759.887	60	Marcellus					
33	5/12/2019	10389.684	10559.049	60	Marcellus					
34	5/13/2019	10188.846	10358.211	60	Marcellus					
35	5/13/2019	9988.008	10157.373	60	Marcellus					
36	5/13/2019	9787.17	9956.535	60	Marcellus					
37	5/14/2019	9586.332	9755.697	60	Marcellus					
38	5/14/2019	9385.494	9554.859	60	Marcellus					
39	5/15/2019	9184.656	9354.021	60	Marcellus					
40	5/15/2019	8983.818	9153.183	60	Marcellus					
41	5/15/2019	8782.98	8952.345	60	Marcellus					
42	5/16/2019	8582.142	8751.507	60	Marcellus					
43	5/16/2019	8381.304	8550.669	60	Marcellus					
44	5/17/2019	8180.466	8349.831	60	Marcellus					
	5/17/2019	7979.628	8148.993							
45	5/18/2019	7778.79	7948.155	60	Marcellus					
46				60	Marcellus					
47	5/19/2019	7577.952	7747.317	60	Marcellus					
48	5/20/2019	7377.114	7546.479	60	Marcellus					
49	5/21/2019	7176.276	7345.641	60	Marcellus					
50	5/22/2019	6975.438	7144.803	60	Marcellus					
51	5/23/2019	6774.6	6943.965	60	Marcellus					
52	5/24/2019	6573.762	6743.127	60	Marcellus					
53	5/25/2019	6372.924	6542.289	60	Marcellus					

API 47-095-02533 Farm Name James Sine et al Well Number Remington Unit 1H									
				EXHIBI"	Γ2				
			Avg	Max			Amount of	Amount of	
Stage No.	Stimulations	Avg Pump	Treatment	Breakdown	ISIP (PSI)	Amount of Proppant	Water	Nitrogen/	
otage ito:	Date	Rate	Pressure	Pressure	()	(lbs)	(bbls)	other	
1	4/27/2019	72.96757	(PSI) 8170.065	(PSI) 6914	4561	166000	5395.33	(units) N/A	
2	4/28/2019	75.99061	8149.247	6074	5159	407300	8964.47	N/A	
3	4/29/2019	76.25797	7892	6167	5270	406950	8938.75	N/A	
4	4/29/2019	75.7398	8029.234	5873	4953	407300	8878.92	N/A	
5	4/30/2019	77.58623	8023.189	5891	4795	406900	8962.47	N/A	
6	4/30/2019	75.0274	7988.921	5880	4374	407640	8979.97	N/A	
7	5/1/2019	73.54153	8081.427	6625	4081	406800	8979.74	N/A	
8	5/1/2019	76.7805	8105.979	6271	4870	406600	8873.94	N/A	
9	5/2/2019	78.02981	8177.006	6058	4757	408100	8732.94	N/A	
10	5/2/2019	76.28419	8091.138	6387	5311	407800	8702.78	N/A	
11	5/3/2019	11.9	7915	5463	4311	407500	8870.2	N/A	
12	5/3/2019	78.81422	8278.865	6131	4557	407350	8778.27	N/A	
13	5/4/2019	78.79196	8072.042	5942	4577	407700	8818.04	N/A	
14	5/4/2019	79.5	8260	6413	5938	408350	8999	N/A	
15	5/4/2019	78.10188	8111.863	6085	5293	407150	8856.17	N/A	
16	5/5/2019	78.6	8034	6536	5893	407700	8827	N/A	
17	5/5/2019	78.57307	8172.659	6149	4974	407400	8815.93	N/A	
18	5/6/2019	79.5	8255	6202	5358	407450	8802	N/A	
19	5/6/2019	81.24606	8129.175	6291	4434	407850	8823.6	N/A	
20	5/7/2019	77	8117	6011	4758	407400	10042	N/A	
21	5/7/2019	81.84255	8189.511	6945	4638	404500	8306.89	N/A	
22	5/8/2019	83.6	8052	6544	4955	407600	8782	N/A	
23	5/8/2019	84.8634	8209.301	6348	4322	407600	8714.07	N/A	
24	5/9/2019	82.10214	8275.176	6578	4693	407250	8770.59	N/A	
25	5/9/2019	82.09337	8037.669	6429	4739	407900	8794.48	N/A	
26	5/10/2019	80.95258	8045.158	7077	4528	407100	8865.15	N/A	
27	5/10/2019	82.8898	7935.191	7031	4810	407650	8790.74	N/A	
28	5/10/2019	86.00413	8181.76	6225	4256	406750	8800.61	N/A	
29	5/11/2019 5/11/2019	88.01934 83.41507	8101.295 8047.998	6225 6332	4495 4438	407250	9594.63 8766.19	N/A	
30	5/11/2019	85.30343	8027.53	7155	4083	407000	8685.79	N/A	
31 32	5/12/2019	81.93586	7743.604	6874	4292	406450 407900	8673.12	N/A N/A	
33	5/12/2019	87.57985	8012.107	6860	4277	407150	8709.64	N/A	
34	5/13/2019	84.78386	8029.888	7206	4700	406600	9531.54	N/A	
35	5/13/2019	84.03549	7716.404	7138	4308	407900	8640.34	N/A	
36	5/13/2019	84.66631	7774.85	7260	4393	407100	8725.6	N/A	
37	5/14/2019	82.9348	7575.174	6985	4698	406600	8584.42	N/A	
38	5/14/2019	90.11677	7965.067	6719	4132	406750	8640.63	N/A	
39	5/15/2019	88.48601	7842.254	6815	3926	408100	8653.94	N/A	
40	5/15/2019	87.78341	7615.927	5166	4245	409000	8828.88	N/A	
41	5/15/2019	85.3614	7452.415	6042	4083	406750	8605.15	N/A	
42	5/16/2019	88.07822	7546.243	6593	4328	406950	8524.16	N/A	
43	5/16/2019	85.41994	7535.209	6366	3891	406700	8639.94	N/A	
44	5/17/2019	90.22751	7518.929	6774	3648	406700	8587.61	N/A	
45	5/17/2019	87.31858	7273.025	6810	4090	406900	8584.11	N/A	
46	5/17/2019	87.7498	7258.174	7242	4219	407200	8650.98	N/A	
47	5/18/2019	88.24971	7219.641	7726	4465	406700	8595.6	N/A	
48	5/18/2019	86.58488	7128.514	7071	4215	407100	8556.24	N/A	
48	5/18/2019	89.77945	7131.29	7071	3956	406900	8587.95		
	5/19/2019	86.44187	7033.542	6725	4185	406900	8531.26	N/A	
50	5/19/2019	85.58575	6821.795	7090	4257		8538.56	N/A	
51						406980		N/A	
52	5/19/2019 5/20/2019	89.22624 89.75556	6861.394 7036.22	6829	3717	405200	8297.72	N/A	
53				6433	3644	401300	8434.89	N/A	
	AVG	80.2	7,972	6,441	4,604	18,085,390	393,842	TOTAL	

API 47-095-02533 Farm Name James Sine et al_Well Number Remington 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	75	195	75	195					
Silty Shale	195	245	195	245					
shaly sand	245	415	245	415					
Shale	415	475	415	475					
Dolomitic Shale	475	755	475	755					
Shaly Siltstone	755	875	755	875					
Silty Sandstone	875	915	875	915					
Shaly Sand	915	985	915	985					
Sandstone	985	1,125	985	1,125					
Silty, Shaly, Sandstone	1,125	1,185	1,125	1,185					
Sandstone, Tr Shale, Tr Coal	1,185	1,235	1,185	1,235					
Silty Sandstone	1,235	1,515	1,235	1,515					
Shaly Siltstone	1,515	1,599	1,515	1,614					
Big Lime	1,624	2,465	1,639	2,499					
Fifty Foot Sandstone	2,465	2,544	2,499	2,579					
Gordon	2,544	2,865	2,579	2,906					
Fifth Sandstone	2,865	3,220	2,906	3,266					
Bayard	3,220	3,772	3,266	3,828					
Speechley	3,772	4,089	3,828	4,151					
Balltown	4,089	4,265	4,151	4,331					
Bradford	4,265	4,535	4,331	4,606					
Benson	4,535	4,686	4,606	4,760					
Alexander	4,686	5,900	4,760	6,065					
Sycamore	5,774	5,875	5,897	6,040					
Middlesex	5,875	5,962	6,040	6,229					
Burkett	5,962	5,988	6,229	6,311					
Tully	5,988	5,993	6,311	6,328					
Marcellus	5,993	NA	6,328	NA					

<sup>\*</sup>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:	4/27/2019
Job End Date:	5/20/2019
State:	West Virginia
County:	Tyler
API Number:	47-095-02533-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Remington Unit 1H
Latitude:	39.41505800
Longitude:	-80.94668600
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,127
Total Base Water Volume (gal):	20,100,331
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	88.43179	
DWP-641	cws	Friction Reducer					
				Listed Below			

CalGel 4000	CWS	Gel Slurry		
			Listed Below	
Calbreak 5501	CWS	Breaker		
			Listed Below	
15% HCl Acid	CWS	Clean Perforations		
			Listed Below	
DAP-103	cws	Iron Control		
			Listed Below	
Sand (Proppant)	CWS	Propping Agent		
			Listed Below	
CI-9100G	CWS	Corrosion Inhibitor		
			Listed Below	
DAP-902	cws	Scale Inhibitor		
			Listed Below	
SaniFrac 8844	cws	Biocide		
			Listed Below	
Other Chemical (s)	Listed Above	See Trade Name (s) List		

		Listed Below			
tems above are Trade Names with the exception of Base W	Crystalline silica (Quartz)		100.00000	11.24982	
	` ` `	471-34-1			
	Calcite		1.00000	0.07837	
	Hydrochloric acid	7647-01-0	37.00000	0.05248	
	Illite	12173-60-3	1.00000	0.03410	
	Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.02769	
	Guar gum	9000-30-0	60.00000	0.02769	
	Polymer	26100-47-0	45.00000	0.02202	
	Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01468	
	Goethite	1310-14-1	0.10000	0.01125	
	Biotite	1302-27-8	0.10000	0.01125	
	Apatite	64476-38-6	0.10000	0.01125	
	Polyethylene glycol mixture	25322-68-3	54.50000	0.00593	
	Ammonium chloride	12125-02-9	11.00000	0.00538	
	Ilmenite	98072-94-7	0.10000	0.00341	
	Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00231	
	2,2-Dibromo-3- Nitrilopropionamide	10222-01-2	20.00000	0.00218	
	Sorbitan monooleate	1338-43-8	4.00000	0.00196	
	Polyethylene glycol monooleate	9004-96-0	3.00000	0.00147	
	Ammonium Persulfate	7727-54-0	100.00000	0.00101	
	Sorbitol tetraoleate	61723-83-9	2.00000	0.00098	
	Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether	37251-67-5	1.50000	0.00069	
	Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00049	

	Citric acid	77-92-9	60.00000	0.00048	
	Sodium bromide	7647-15-6	4.00000	0.00044	
	Dibromoacetonitrile	3252-43-5	3.00000	0.00033	
	Alkyloxypolyethyleneoxy ethanol	84133-50-6	0.50000	0.00024	
	Vinylidene chloride- methyl acrylate copolymer	25038-72-6	20.00000	0.00020	
	Acrylamide	79-06-1	0.10000	0.00005	
	Ethylene Glycol	107-21-1	40.00000	0.00003	
	Formic acid	64-18-6	10.00000	0.00001	
	Ethoxylated Alcohols	68131-39-5	10.00000	0.00001	
	Diethylene glycol, monomethyl ether	34590-94-8	20.00000	0.00001	
	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	
 	Organic Acid Salts	9003-04-7			Proprietary Additive Concentration
	Glycol	57-55-6			Proprietary Additive Concentration

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)

<sup>\*</sup> 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

#### State of West Virginia

### Department of Environmental Protection - Office of Oil and Gas Discharge Monitoring Report Oil and Gas General Permit

Company Name:	Antero F	Resources Corporation				
API No:	47-095-0	02533		County:	Tyler	
District:	Meade			Well No:	Reming	gton Unit 1H
Farm Name:	James S	Sine et al				
Discharge Date/s I	From:(M	IMDDYY) 06/20/19		To: (MMI	DDYY)	07/20/19
Discharge Times.	From:	0:00		To: 24:00	)	
Total Volume to b	e Dispos	sed from this facility (gall	lons):	961,769		
Disposal Option(s)	Utilize (	d (write volumes in gallor	ns):			
(1) Land Applica	tion:		(Include			p of the Area.)
(2) UIC:		92,477	Permit			23823, 3400923824, 3416729731, 29464, 3416729445
(3) Offsite Dispos	sal:		Site Lo	cation:		MM AND COLUMN TO THE COLUMN TO
(4) Reuse:		869,292	Alterna	te Permit Nu	mber:	
(5) Centralized Fa	acility:	2	Permit 1	No		
(6) Other method	:		(Include	e an explanat	ion)	
Follow Instruction	s below	to determine your treatme	ent catego	ry:		
		t: <u>n/a</u> Cl- mg/l	n/a	DO mg/l		
	_	ion to use expedited treatm		12		
(Y/N) <u>n/a</u>		If yes, who?	partonia s	and	l place a	four (4) on line 7.
If not go to li		1 1	7/01) -1-	TC	400	1. 2.10
	id or flo	wback put into the pit? (Y	(/N) <u>n/a</u>	If yes	s, go to	line 5. If not, go to
line 3.	n ahlari	de value pretreatment (see	abova)?	(V/N) n/a		If yes, go to line 4
If not, go to li		de varue pretreatment (see	aboveji	(1/N) <u>1//a</u>		if yes, go to fine 4
		less than 5000 mg/l? (Y/N	) n/a	If ves. tl	nen ente	er a one (1) on line 7.
		atment value for DO? (See				If yes, go to line 6
If not, enter a	-		· · ·	· /		<i>3</i> / <i>C</i>
6. Is the DO lev	el greate	er than 2.5 mg/l?(Y/N) n/	'a	If yes, e	nter a tv	wo (2) on line 7. If
not, enter a th						
		ory of your pit. Use the A		e section.		
8. Comments	on Pit c	ondition: n/a No pit on s	site.	1. 1. 10		
	1.5	0.00			***	
		. Officer: Gretchen Kohler		•		
Title of Officer:		nior Environmental and Regulato	ory ivianage	<u></u>		
Date Completed	-	lty of law that I have per	rconally e		d am fa	miliar with the
-	-	on this document and all the				
		mediately responsible for				
		arate, and complete. I am				
		ation, including the possib				
	٥		•			

Signature of a Principal Exec. Officer or Authorized agent.

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Category 1	
Sampling Results	
API No:	

Predischarge		Disc		
Limits	Reported	Limits	Reported	Units
6-10	_	6-10		S.U
5		N/A	N/A	Days
6		6		mg/l
2.5		2.5		mg/l
0.5		0.5		mg/l
5,000		5,000		mg/l
Trace		Trace		Obs.
-		Monitor		mg/l
		Monitor		mg/l
		Monitor		mg/l
		Monitor		mg/l
Monitor		Monitor		mg/l
-		Monitor		Gal
		Monitor		Gal/min
		Monitor		Acres
ed if the pH i	s above 9.0			
	6-10 5 6 2.5 0.5 5,000 Trace	Reported	Limits         Reported         Limits           6-10         6-10           5         N/A           6         6           2.5         2.5           0.5         5,000           Trace         Monitor           Monitor         Monitor           Monitor         Monitor           Monitor         Monitor           Monitor         Monitor           Monitor         Monitor	Limits         Reported         Limits         Reported           6-10         6-10         N/A         N/A           5         N/A         N/A         N/A           6         6         2.5         0.5           0.5         0.5         5,000         Trace           Monitor         Monitor         Monitor           Monitor         Monitor         Monitor           Monitor         Monitor         Monitor           Monitor         Monitor         Monitor

Predischarg		scharge	Discharge		
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		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

<sup>\*</sup> 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:	

	Predischarge		Disc	Discharge		
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	<u> </u>	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		35-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	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	ption of your a	eration techniq	ue.	Aeration Code	e:	
*** Al is only repo	orted if the pH	is above 9.0.				
Category 4						
Sampling Results						
API No:						
		_				

	Predischarge		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	lb/Bl	
Date Site Reclaimed	N/A	N/A			10 days from dis.	
Disposal Area			Monitor		Acres	
* Can be 25,000 w	ith inspector's	approval,				

Date:

(Inspector's signature):

