

04/05/2019



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

April 4, 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:

- Parachute Unit 1H (API # 47-095-02429)—Stonefly Pad
- Parachute Unit 2H (API # 47-095-02429)—Stonefly Pad
- Parachute Unit 3H (API # 47-095-02433)—Stonefly Pad
- Copper John Unit 1H (API # 47-095-02404)—Stonefly Pad
- Copper John Unit 2H (API # 47-095-02405)—Stonefly Pad
- Copper John Unit 3H (API # 47-095-02406)—Stonefly Pad
- Pheasant Unit 1H (API # 47-095-02434)—Stonefly Pad
- Pheasant Unit 2H (API # 47-095-02435)—Stonefly Pad
- Pheasant Unit 3H (API # 47-095-02437)—Stonefly Pad
- Tauscher Unit 1H (API # 47-095-02357)—Stonefly Pad
- Tauscher Unit 2H (API # 47-095-02407)—Stonefly Pad
- Tauscher Unit 3H (API # 47-095-02456)—Stonefly 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 "MGriffith", written over a light blue 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 - 095 - 02407 County Tyler District Centerville
 Quad Middlebourne 7.5' Pad Name Stonefly Pad Field/Pool Name -----
 Farm name Steven McPeek et al Well Number Tauscher Unit 2H
 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 4363147m Easting 506670m
 Landing Point of Curve Northing 4363082.82m Easting 506862.14m
 Bottom Hole Northing 4360954m Easting 507648m

Elevation (ft) 982' 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 3/15/2017 Date drilling commenced 8/29/2017 Date drilling ceased 1/6/2018
 Date completion activities began 6/10/2018 Date completion activities ceased 12/20/2018
 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 52', 400', 457' Open mine(s) (Y/N) depths No
 Salt water depth(s) ft 1425', 1431' Void(s) encountered (Y/N) depths No
 Coal depth(s) ft 52', 457' Cavern(s) encountered (Y/N) depths No
 Is coal being mined in area (Y/N) No

Reviewed by:

WR-35
Rev. 8/23/13

API 47-095 - 02407

Farm name Steven McPeek et al

Well number Tauscher Unit 2H

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"	80'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	572'	New	54#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2569'	New	36#, H-40	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	14342'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6560'		4.7#, P-110		
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	204 sx	15.6	1.18	244	0'	8 Hrs.
Surface	Class A	477 sx	15.6	1.19	402	0'	8 Hrs.
Coal							
Intermediate 1	Class A	884 sx	15.6	1.18	1047	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	640sx (Lead) 1277 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)	2819	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14342' MD, 6371' TVD (BHL), 6396' (Deepest Point Drilled)

Loggers TD (ft) 14342' MD

Deepest formation penetrated Marcellus

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6073'

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- 095 - 02407 Farm name Steven McPeek et al Well number Tauscher Unit 2H

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.

WR-35
Rev. 8/23/13

API 47- 095 - 02407 Farm name Steven McPeek et al Well number Tauscher Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus	6341' (TOP)	TVD	6631' (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 8784 mcfpd Oil 180 bpd NGL --- bpd Water 22 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)
-------------------------	--------------------------------	------------------------------	--------------------------	-----------------------------	--

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

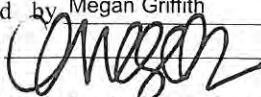
Drilling Contractor Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

Logging Company Nine Energy Services
Address 125 Museum Road City Washington State PA Zip 15301

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 APR 14, 2019

API 47-095-02407 Farm Name Steven McPeek et al Well Number Tauscher Unit 2H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	10/13/2018	14068.525	14240.2	60	Marcellus
2	10/14/2018	13868.755	14037.23	60	Marcellus
3	10/14/2018	13668.985	13837.46	60	Marcellus
4	10/14/2018	13469.215	13637.69	60	Marcellus
5	10/14/2018	13269.445	13437.92	60	Marcellus
6	10/15/2018	13069.675	13238.15	60	Marcellus
7	10/15/2018	12869.905	13038.38	60	Marcellus
8	10/15/2018	12670.135	12838.61	60	Marcellus
9	10/16/2018	12470.365	12638.84	60	Marcellus
10	10/16/2018	12270.595	12439.07	60	Marcellus
11	10/16/2018	12070.825	12239.3	60	Marcellus
12	10/16/2018	11871.055	12039.53	60	Marcellus
13	10/16/2018	11671.285	11839.76	60	Marcellus
14	10/17/2018	11471.515	11639.99	60	Marcellus
15	10/17/2018	11271.745	11440.22	60	Marcellus
16	10/17/2018	11071.975	11240.45	60	Marcellus
17	10/18/2018	10872.205	11040.68	60	Marcellus
18	10/18/2018	10672.435	10840.91	60	Marcellus
19	10/18/2018	10472.665	10641.14	60	Marcellus
20	10/18/2018	10272.895	10441.37	60	Marcellus
21	10/19/2018	10073.125	10241.6	60	Marcellus
22	10/19/2018	9873.355	10041.83	60	Marcellus
23	10/20/2018	9673.585	9842.06	60	Marcellus
24	10/20/2018	9473.815	9642.29	60	Marcellus
25	10/20/2018	9274.045	9442.52	60	Marcellus
26	10/21/2018	9074.275	9242.75	60	Marcellus
27	10/21/2018	8874.505	9042.98	60	Marcellus
28	10/22/2018	8674.735	8843.21	60	Marcellus
29	10/22/2018	8474.965	8643.44	60	Marcellus
30	10/23/2018	8275.195	8443.67	60	Marcellus
31	10/23/2018	8075.425	8243.9	60	Marcellus
32	10/24/2018	7875.655	8044.13	60	Marcellus
33	10/24/2018	7675.885	7844.36	60	Marcellus
34	10/24/2018	7476.115	7644.59	60	Marcellus
35	10/25/2018	7276.345	7444.82	60	Marcellus
36	10/25/2018	7076.575	7245.05	60	Marcellus
37	10/26/2018	6876.805	7045.28	60	Marcellus
38	10/26/2018	6677.035	6845.51	60	Marcellus

API 47-095-02407 Farm Name Steven McPeek et al Well Number Tauscher Unit 2H

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	10/13/2018	76.145	7503.875	6012	4060	313850	8126	N/A
2	10/14/2018	77.69636	7335.727	5685	3521	404350	8110	N/A
3	10/14/2018	76.97727	7320.818	6115	3699	406150	7804	N/A
4	10/14/2018	74.43444	7127.444	5466	4780	405300	7895	N/A
5	10/14/2018	77.17909	7292	5588	4110	404500	7830	N/A
6	10/15/2018	78.79727	7122	5880	4541	404550	7893	N/A
7	10/15/2018	76.54364	7136.273	6372	3620	404300	7485.005	N/A
8	10/15/2018	75.198	7120.2	6739	4276	405450	7931	N/A
9	10/16/2018	67.6	7404.056	6131	5304	404450	11912	N/A
10	10/16/2018	77.24364	7023	6327	4764	401600	7864	N/A
11	10/16/2018	77.72	7065.636	6531	4669	405250	7944.005	N/A
12	10/16/2018	78.59455	6810.636	6247	3462	407750	7777	N/A
13	10/16/2018	77.655	7140.333	6655	3830	404300	8253	N/A
14	10/17/2018	77.95818	7011.091	6554	3875	410250	7831	N/A
15	10/17/2018	72.84944	7391.833	7129	5092	365050	8956.005	N/A
16	10/17/2018	77.23563	7164.188	6740	5288	412350	8959	N/A
17	10/18/2018	77.08688	7633.438	5868	4465	407100	8408	N/A
18	10/18/2018	77.15455	7227.182	6941	4842	406600	8004.005	N/A
19	10/18/2018	76.87273	7033.091	6426	3764	405700	7978.005	N/A
20	10/18/2018	79.14545	6795.636	5926	3584	404650	7929	N/A
21	10/19/2018	78.80909	6837.545	6360	4238	384150	9190.005	N/A
22	10/19/2018	75.8	6773	6415	3832	405950	7947	N/A
23	10/20/2018	77.564	6901.7	6688	4474	389200	7544	N/A
24	10/20/2018	77.38	6826	5745	4172	406550	7911.005	N/A
25	10/20/2018	76.93545	6858.636	5558	4466	405150	7833.005	N/A
26	10/21/2018	78.43182	6786.364	7207	3452	405550	7881	N/A
27	10/21/2018	70.72083	6675.542	6993	4028	405350	10552	N/A
28	10/22/2018	78.33182	6636.818	5858	3965	405150	7717	N/A
29	10/22/2018	78.55219	6627.88	6557	4618	405150	7753.36	N/A
30	10/23/2018	77.10466	6821.183	6210	4443	404850	8527.005	N/A
31	10/23/2018	73.17273	6423.727	5604	4815	404200	7894.005	N/A
32	10/24/2018	73.95657	6688.835	5877	3396	406550	7859.33	N/A
33	10/24/2018	75.48182	6390.909	5936	3827	405200	7910.005	N/A
34	10/24/2018	77.8425	6764.42	6714	3772	404900	7700.43	N/A
35	10/25/2018	76.59091	6352.545	6272	3458	405350	7738.005	N/A
36	10/25/2018	79.00895	6373.007	6233	3696	404600	7924.98	N/A
37	10/26/2018	77.00487	6362.934	6281	3689	405800	7687.28	N/A
38	10/26/2018	74.68768	6097.116	6404	3932	405700	7804.54	N/A
	AVG=	76.5	6,917	6,270	4,153	15,242,850	310,263	TOTAL

API 47-095-02407 Farm Name Steven McPeek et al Well Number Tauscher 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	205	0	205
Sandy siltstone	205	310	205	310
Sandstone	310	605	310	605
Silty Sandstone	605	785	605	785
limey siltstone	785	960	785	960
silty sandstone, tr. coal	960	1,110	960	1,110
silty sandstone	1,110	1,505	1,110	1,505
silty shale	1,505	1,635	1,505	1,635
sandstone, tr coal	1,635	1,645	1,635	1,645
silty sandstone	1,645	1,685	1,645	1,685
sandstone	1,685	1,760	1,685	1,760
sandy shale	1,760	1,785	1,760	1,785
shaly sand	1,785	1,839	1,785	1,841
Big Lime	1,854	2,010	1,856	2,011
Big Injun	2,010	2,465	2,011	2,467
Gantz Sand	2,465	2,614	2,467	2,616
Fifty Foot Sandstone	2,614	2,722	2,616	2,724
Gordon	2,722	3,056	2,724	3,060
Fifth Sandstone	3,056	3,112	3,060	3,116
Bayard	3,112	3,491	3,116	3,500
Warren	3,491	3,880	3,500	3,894
Speechley	3,880	4,577	3,894	4,603
Balltown	4,184	4,949	4,203	4,982
Bradford	4,577	4,949	4,603	4,982
Benson	4,949	5,211	4,982	5,248
Alexander	5,211	5,725	5,248	5,770
Rhinestreet	5,701	6,078	5,746	6,164
Sycamore	6,078	6,198	6,164	6,327
Middlesex	6,198	6,290	6,327	6,498
Burkett	6,290	6,317	6,498	6,566
Tully	6,317	6,341	6,566	6,631
Marcellus	6,341	NA	6,631	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:	10/13/2018
Job End Date:	10/26/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02407-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Tauscher Unit 2H
Latitude:	39.41773900
Longitude:	-80.92268300
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,370
Total Base Water Volume (gal):	13,350,581
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	70.00000	87.64211	
DAP-902	CWS	Scale Inhibitor					
				Listed Below			

SaniFrac 8844	CWS	Biocide											
					Listed Below								
CI-9100G	CWS	Corrosion Inhibitor											
					Listed Below								
DAP-103	CWS	Iron Control											
					Listed Below								
Hydrochloric Acid	CWS	Clean Perforations											
					Listed Below								
Sand (Proppant)	CWS	Propping Agent											
					Listed Below								
DWP-111	CWS	Gel Slurry											
					Listed Below								
DWP-641	CWS	Friction Reducer											
					Listed Below								
Calbreak 5501	CWS	Breaker											
					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			11.99359		
					Calcite	471-34-1		1.00000			0.07838		

					Hydrochloric acid	7647-01-0	37.00000	0.06069	
					Illite	12173-60-3	1.00000	0.04153	
					Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.03202	
					Guar gum	9000-30-0	60.00000	0.03202	
					Polymer	26100-47-0	45.00000	0.02692	
					Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01795	
					Goethite	1310-14-1	0.10000	0.01199	
					Apatite	64476-38-6	0.10000	0.01199	
					Biotite	1302-27-8	0.10000	0.01199	
					Ammonium chloride	12125-02-9	11.00000	0.00658	
					Polyethylene glycol mixture	25322-68-3	54.50000	0.00600	
					2-Propenoic acid, homopolymer, sodium salt	9003-04-7	40.00000	0.00596	
					Ilmenite	98072-94-7	0.10000	0.00415	
					Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00267	
					Sorbitan monooleate	1338-43-8	4.00000	0.00239	
					2,2-Dibromo-3-Nitrilpropionamide	10222-01-2	20.00000	0.00220	
					Polyethylene glycol monooleate	9004-96-0	3.00000	0.00179	
					1,2-Propanediol	57-55-6	10.00000	0.00149	
					Sorbitol tetraoleate	61723-83-9	2.00000	0.00120	
					Ammonium Persulfate	64742-47-8	100.00000	0.00101	
					Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether	37251-67-5	1.50000	0.00080	
					Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00060	
					Citric acid	77-92-9	60.00000	0.00055	

					Sodium bromide	7647-15-6	4.00000	0.00044	
					Dibromoacetonitrile	3252-43-5	3.00000	0.00033	
					Alkylloxypolyethyleneoxy ethanol	84133-50-6	0.50000	0.00030	
					Vinylidene chloride-methyl acrylate copolymer	69418-26-4	20.00000	0.00020	
					Acrylamide	79-06-1	0.10000	0.00006	
					Ethylene glycol	107-21-1	40.00000	0.00003	
					Diethylene glycol (mono) methyl ether	34590-94-8	20.00000	0.00002	
					Tar bases, quinolone derivs	68513-87-1	1.00000	0.00001	
					Diethylene glycol	111-46-6	1.00000	0.00001	
					Isopropanol	67-63-0	5.00000	0.00001	
					Cinnamaldehyde	104-55-2	10.00000	0.00001	
					Tar bases, quinolone derivs, benzyl chloride- quatenized	72480-70-7	10.00000	0.00001	
					Formic Acid	64-18-6	10.00000	0.00001	
					Ethoxylated alcohols	Proprietary	10.00000	0.00001	Proprietary CAS

* 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: 47-095-02407 County: Tyler
District: Centerville Well No: Tauscher Unit 2H
Farm Name: Steven McPeek et al
Discharge Date/s From:(MMDDYY) 01/09/19 To: (MMDDYY) 02/08/19
Discharge Times. From: 0:00 To: 24:00
Total Volume to be Disposed from this facility (gallons): 737,217
Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
- (2) UIC: 430,735 Permit No. 3400923821, 3410523619, 3416729731, 3416729543, 3416729464, 3416729445, 3405320968, 4708509721, 3400923761, 3416723862,
- (3) Offsite Disposal: 280 Site Location: 3410523768 Mud Masters
- (4) Reuse: 306,202 Alternate Permit Number: _____
- (5) Centralized Facility: _____ Permit No. _____
- (6) Other method: _____ (Include an explanation)

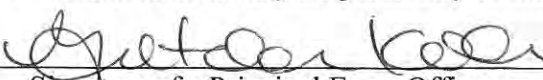
Follow Instructions below to determine your treatment category:

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: 3/18/19

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.

WR-34
Page 2 of 3

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

WR-34
Page 3 of 3

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: _____