

04/05/2019



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

April 3, 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:

- Penny Unit 1H (API # 47-085-10298)—Mulvay Pad
- Penny Unit 2H (API # 47-085-10299)—Mulvay Pad
- Penny Unit 3H (API # 47-085-10300)—Mulvay Pad
- Stronsnider Unit 1H (API # 47-085-10201)—Mulvay Pad
- Stronsnider Unit 2H (API # 47-085-10202)—Mulvay Pad
- Stronsnider Unit 3H (API # 47-085-10203)—Mulvay Pad
- Trust Unit 1H (API # 47-085-10301)—Mulvay Pad
- Trust Unit 2H (API # 47-085-10302)—Mulvay Pad
- Niley Unit 1H (API # 47-085-10250)—Mulvay Pad
- Niley Unit 2H (API # 47-085-10251)—Mulvay Pad
- Niley Unit 3H (API # 47-085-10252)—Mulvay 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", is written over a light blue circular stamp.

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 47 - 085 - 10300 County Ritchie District Clay
Quad Pennsboro 7.5' Pad Name Mulvay Pad Field/Pool Name -----
Farm name Edwin D. Mulvay et al Well Number Penny Unit 3H
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 4352572m Easting 508712m
Landing Point of Curve Northing 4352584.49m Easting 509423.92m
Bottom Hole Northing 4349830m Easting 510356m

Elevation (ft) 1029' 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 9/29/2015 Date drilling commenced 12/24/2016 Date drilling ceased 7/11/2017
Date completion activities began 1/20/2018 Date completion activities ceased 8/10/2018
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 24', 76', 124', 422' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1522', 1949' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 653', 664' 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 47-085 - 10300 Farm name Edwin D. Mulvay et al Well number Penny Unit 3H

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"	95'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	533'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2611'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	16920'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6970'		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 ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	200 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	605 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1016 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	741 sx (Lead) 1532 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)	3774	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 16920' MD, 6444' TVD (BHL), 6444' (Deepest Point Drilled) Loggers TD (ft) 16920' 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 - 10300 Farm name Edwin D. Mulvay et al Well number Penny Unit 3H

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.

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API 47- 085 - 10300 Farm name Edwin D. Mulvay et al Well number Penny Unit 3H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	6360' (TOP) TVD	7016' (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 6989 mcfpd Oil 28 bpd NGL --- bpd Water 891 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.

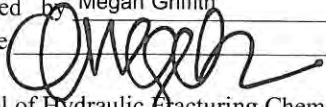
Drilling Contractor Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

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 4/3/2019

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

API 47-085-10300 Farm Name <u>Edwin D. Mulvay et al</u> Well Number <u>Penny Unit 3H</u>					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	2/11/2018	16650	16819	60	Marcellus
2	2/11/2018	16450	16619	60	Marcellus
3	2/12/2018	16250	16419	60	Marcellus
4	2/12/2018	16051	16219	60	Marcellus
5	2/13/2018	15851	16019	60	Marcellus
6	2/14/2018	15651	15820	60	Marcellus
7	2/14/2018	15451	15620	60	Marcellus
8	2/15/2018	15251	15420	60	Marcellus
9	2/15/2018	15052	15220	60	Marcellus
10	2/16/2018	14852	15020	60	Marcellus
11	2/16/2018	14652	14821	60	Marcellus
12	2/17/2018	14452	14621	60	Marcellus
13	2/19/2018	14253	14421	60	Marcellus
14	2/19/2018	14053	14221	60	Marcellus
15	2/20/2018	13853	14021	60	Marcellus
16	2/20/2018	13653	13822	60	Marcellus
17	2/21/2018	13453	13622	60	Marcellus
18	2/22/2018	13254	13422	60	Marcellus
19	2/23/2018	13054	13222	60	Marcellus
20	2/24/2018	12854	13022	60	Marcellus
21	2/25/2018	12654	12823	60	Marcellus
22	2/25/2018	12454	12623	60	Marcellus
23	2/26/2018	12255	12423	60	Marcellus
24	2/26/2018	12055	12223	60	Marcellus
25	2/27/2018	11855	12023	60	Marcellus
26	2/27/2018	11655	11824	60	Marcellus
27	2/28/2018	11455	11624	60	Marcellus
28	2/28/2018	11256	11424	60	Marcellus
29	3/1/2018	11056	11224	60	Marcellus
30	3/1/2018	10856	11025	60	Marcellus
31	3/2/2018	10656	10825	60	Marcellus
32	3/2/2018	10456	10625	60	Marcellus
33	3/3/2018	10257	10425	60	Marcellus
34	3/4/2018	10057	10225	60	Marcellus
35	3/4/2018	9857	10026	60	Marcellus
36	3/5/2018	9657	9826	60	Marcellus
37	3/5/2018	9458	9626	60	Marcellus
38	3/6/2018	9258	9426	60	Marcellus
39	3/7/2018	9058	9226	60	Marcellus
40	3/8/2018	8858	9027	60	Marcellus
41	3/8/2018	8658	8827	60	Marcellus
42	3/9/2018	8459	8627	60	Marcellus
43	3/9/2018	8259	8427	60	Marcellus
44	3/9/2018	8059	8227	60	Marcellus
45	3/10/2018	7859	8028	60	Marcellus
46	3/10/2018	7659	7828	60	Marcellus
47	3/10/2018	7460	7628	60	Marcellus
48	3/10/2018	7260	7428	60	Marcellus
49	3/11/2018	7060	7228	60	Marcellus

API 47-085-10300 Farm Name Edwin D. Mulvay et al Well Number Penny Unit 3H								
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	2/11/2018	67.6592	7923.892	5414	3645	415150	9557	N/A
2	2/11/2018	69.4686	7790.959	5966	3828	416150	9036	N/A
3	2/12/2018	72.9448	7715.359	5569	3897	416050	8939	N/A
4	2/12/2018	72.5898	7515.413	6015	3844	414620	8936	N/A
5	2/13/2018	73.9	7702	5396	4080	416840	11907	N/A
6	2/14/2018	77.9591	7959.495	6106	3731	416750	8810	N/A
7	2/14/2018	76.2482	7756.584	5649	3607	416340	8740	N/A
8	2/15/2018	73.4726	7386.347	5835	3760	416850	8990	N/A
9	2/15/2018	71.1507	7632.501	6027	3873	415900	9254	N/A
10	2/16/2018	77.4175	7779.814	6025	3710	414140	8844	N/A
11	2/16/2018	71.9524	7772.085	6179	3564	414500	8834	N/A
12	2/17/2018	69.3163	7662.43	6301	3599	416100	8737	N/A
13	2/19/2018	69.4119	7334.023	6612	3399	418600	8765	N/A
14	2/19/2018	72.0707	7272.85	5943	3740	418500	8726	N/A
15	2/20/2018	69.7	7792.3	6348	3854	420710	9969	N/A
16	2/20/2018	58.9	7623.2	5840	4681	418250	13952	N/A
17	2/21/2018	70.4109	7299.381	5856	3672	417200	9066	N/A
18	2/22/2018	78.3	7448.6	5648	3555	414285	8823	N/A
19	2/23/2018	65.4	8176.7	5991	5027	366000	17472	N/A
20	2/24/2018	76.7631	7490.876	6308	4499	417500	8979	N/A
21	2/25/2018	75.2996	7447.735	6022	4677	418200	8785	N/A
22	2/25/2018	72.7826	7526.777	5613	4795	419600	8753	N/A
23	2/26/2018	71.2	7259.6	6022	4184	420100	8723	N/A
24	2/26/2018	73.5739	7386.804	6089	4076	419800	8732	N/A
25	2/27/2018	75.9159	7496.648	5811	4485	418400	8740	N/A
26	2/27/2018	76.4917	7298.743	5771	3630	417550	8727	N/A
27	2/28/2018	73.6	7243.3	5994	3702	418000	8654	N/A
28	2/28/2018	75.3641	7450.979	6395	4341	420450	9566	N/A
29	3/1/2018	72.4	7386.1	5894	4518	421435	8673	N/A
30	3/1/2018	74.8669	7546.962	6113	3922	417770	8688	N/A
31	3/2/2018	72.7993	7448.502	5996	4486	421390	9642	N/A
32	3/2/2018	72.6321	7353.088	5571	4701	419310	8654	N/A
33	3/3/2018	75.1236	7218.482	5769	4229	417450	8615	N/A
34	3/4/2018	76.5	7195.8	5339	4175	421780	8590	N/A
35	3/4/2018	75.0568	7165.893	5603	4267	418980	8587	N/A
36	3/5/2018	75.466	6955.484	5649	3454	421000	8566	N/A
37	3/5/2018	77.32	7123.671	6153	3581	418400	8733	N/A
38	3/6/2018	76.5716	7128.952	6095	3297	418820	8620	N/A
39	3/7/2018	76.803	7193.234	6435	3701	417640	8539	N/A
40	3/8/2018	76.9053	7184.241	5998	3680	417250	8652	N/A
41	3/8/2018	76.525	7066.327	6253	3215	416900	8587	N/A
42	3/9/2018	76.7018	7044.909	6205	2957	417770	8539	N/A
43	3/9/2018	76.711	6709.563	6214	3118	419300	8532	N/A
44	3/9/2018	77.7803	7058.285	6385	3130	419950	9498	N/A
45	3/10/2018	78.6416	6852.329	6033	4024	420100	8456	N/A
46	3/10/2018	74.12	7269.283	5986	4510	335450	8619	N/A
47	3/10/2018	76.6237	6706.681	6428	3765	418750	8530	N/A
48	3/10/2018	77.8301	6604.618	6101	3608	419140	8431	N/A
49	3/11/2018	76.9941	6271.9	5262	3058	419450	8467	N/A
	AVG=	73.7	7,414	5,966	3,922	19,093,230	423,806	TOTAL

API 47-085-10300 Farm Name Edwin D. Mulvay et al Well Number Penny Unit 3H				
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	0	105	0	105
Sandy siltstone	105	145	105	145
Shale	145	185	145	185
Sandstone	185	305	185	305
Sandy Shale	305	545	305	545
Silty Shale	545	745	545	745
Sandy siltstone	745	885	745	885
silty shale	885	1,005	885	1,005
Sandy siltstone	1,005	1,115	1,005	1,115
Shaly Siltstone	1,115	1,345	1,115	1,345
Sandstone	1,345	1,525	1,345	1,525
Sandy siltstone	1,525	1,645	1,525	1,645
Silty Sandstone	1,645	1,862	1,645	1,884
Big Lime	1,877	2,057	1,899	2,087
Big Injun	2,057	2,433	2,087	2,476
Gantz Sand	2,433	2,670	2,476	2,720
Fifty Foot Sandstone	2,670	2,849	2,720	2,904
Gordon	2,849	3,002	2,904	3,064
Fifth Sandstone	3,002	3,277	3,064	3,358
Bayard	3,277	3,376	3,358	3,467
Warren	3,376	3,738	3,467	3,864
Speechley	3,738	4,498	3,864	4,683
Balltown	3,969	4,870	4,109	5,092
Bradford	4,498	4,870	4,683	5,092
Benson	4,870	5,102	5,092	5,346
Alexander	5,102	5,717	5,346	6,016
Rhinestreet	5,693	6,069	5,992	6,473
Sycamore	6,069	6,189	6,473	6,654
Middlesex	6,189	6,300	6,654	6,864
Burkett	6,300	6,331	6,864	6,933
Tully	6,331	6,360	6,933	7,016
Marcellus	6,360	NA	7,016	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	2/11/2018
Job End Date	3/11/2018
State	West Virginia
County	Richie
API Number	47-085-10300-00-00
Operator Name	Antero Resources Corporation
Well Name and Number	Penny 3H
Latitude	39.32243300
Longitude	-80.89910300
Datum	NAD83
Federal Well	NO
Indian Well	NO
True Vertical Depth	6,443
Total Base Water Volume (gal)	19,644,760
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	Antero Resources	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.73437	
Sand	J.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	11.02139	
HCL Acid (12.6%-17.5%)	J.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.40000	0.11141	
LGC-15	J.S. Well Services, LLC	Gelling Agents	Hydrogen Chloride	7647-01-0	17.50000	0.02590	
WFRA-405	J.S. Well Services, LLC	Friction Reducer	Guar Gum	9000-30-0	50.00000	0.02917	
			Petroleum Distillates	64742-47-8	60.00000	0.02763	
			Suspending agent (solid)	14808-60-7	3.00000	0.00446	
			Surfactant	68439-51-0	3.00000	0.00175	
			2-Propenoic acid, polymer with propenamide	29003-06-9	30.00000	0.01492	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01201	

SI-1200	U.S. Well Services, LLC	Scale Inhibitor					
		Ethylene Glycol	107-21-1		40.00000	0.00734	
		Proprietary Scale Inhibitor	Proprietary		10.00000	0.00196	
Bioclear 2000	U.S. Well Services, LLC	Anti-Bacterial Agent					
		2,2-dibromo-3-nitropropionamide	10222-01-2		20.00000	0.00431	
		Deionized Water	7732-18-5		28.00000	0.00246	
AP One	U.S. Well Services, LLC	Gel Breakers					
		Ammonium Persulfate	7727-54-0		100.00000	0.00084	
AI-303	U.S. Well Services, LLC	Acid Corrosion Inhibitors					
		Ethylene glycol	107-21-1		40.00000	0.00004	
		Formic acid	64-18-6		20.00000	0.00001	
		Cinnamaldehyde	104-55-2		20.00000	0.00001	
		Butyl cellosolve	111-76-2		20.00000	0.00001	
		Polyether	60828-78-6		10.00000	0.00001	
		Acetophenone,thiourea,formaldehyde polymer	68527-49-1		5.00000	0.00000	

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

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Rev. 10-10

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: 47-085-10300 County: Ritchie
 District: Clay Well No: Penny Unit 3H
 Farm Name: Edwin D. Mulvay et al
 Discharge Date/s From:(MMDDYY) 08/24/18 To: (MMDDYY) 09/23/18
 Discharge Times. From: 0:00 To: 24:00
 Total Volume to be Disposed from this facility (gallons): 760,649
 Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
 (2) UIC: 193,373 Permit No. 3400923821, 3416729543, 3416729464, 3416729445, 3410523619, 3416729731, 3400923761, 3405320968, 3410523268,
 (3) Offsite Disposal: 305 Site Location: Mud Masters
 (4) Reuse: 566, 970 Alternate Permit Number: _____
 (5) Centralized Facility: _____ Permit No. _____
 (6) Other method: _____ (Include an explanation)

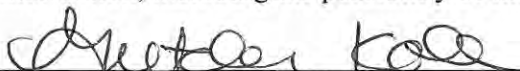
Follow Instructions below to determine your treatment category:

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: 10/30/18

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.

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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

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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/Bl
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: _____