

August 9, 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:

- Beem Unit 3H (API # 47-095-02474)—Pyle Run Pad
- ➤ Heintzman Unit 1H (API # 47-095-02526)—Pyle Run Pad
- ► Heintzman Unit 2H (API # 47-095-02527)—Pyle Run Pad
- ► Heintzman Unit 3H (API # 47-095-02528)—Pyle Run Pad
- Spock Unit 1H (API # 47-095-02478)—Pyle Run Pad
- Spock Unit 2H (API # 47-095-02427)—Pyle Run Pad
- Spock Unit 3H (API # 47-095-02428)—Pyle Run 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	47			_ Farm na	me				We	ell numbe	r	
					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>						<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	

Stage No.	Perforation		UIDII T								
_	Perforation	EXHIBIT 1  Perforation   Perforated from MD   Perforated to   Number of									
	Date	Perforated from ML ft.	Perforated to MD ft.	Number of Perforations	Formations						
1	2/10/2019	17571	IVID IC.	60	Marcellus						
2	2/10/2019	17440.35	17274.1	60	Marcellus						
3	2/10/2019	17238.45	17072.2	60	Marcellus						
4	2/11/2019	17036.55	16870.3	60	Marcellus						
5	2/12/2019	16834.65	16668.4	60	Marcellus						
6	2/12/2019	16632.75	16466.5	60	Marcellus						
7	2/12/2019	16430.85	16264.6	60	Marcellus						
8	2/12/2019	16228.95	16062.7	60	Marcellus						
9	2/13/2019	16027.05	15860.8	60	Marcellus						
10	2/13/2019	15825.15	15658.9	60	Marcellus						
11	2/13/2019	15623.25	15457	60	Marcellus						
12	2/13/2019	15421.35	15255.1	60	Marcellus						
13	2/14/2019	15219.45	15053.2	60	Marcellus						
14	2/14/2019	15017.55	14851.3	60	Marcellus						
15	2/14/2019	14815.65	14649.4	60	Marcellus						
16	2/15/2019	14613.75	14447.5	60	Marcellus						
17	2/16/2019	14411.85	14245.6	60	Marcellus						
18	2/16/2019	14209.95	14043.7	60	Marcellus						
19	2/16/2019	14008.05	13841.8	60	Marcellus						
20	2/17/2019	13806.15	13639.9	60	Marcellus						
21	2/17/2019	13604.25	13438	60	Marcellus						
22	2/17/2019	13402.35	13236.1	60	Marcellus						
23	2/17/2019	13200.45	13034.2	60	Marcellus						
24	2/18/2019	12998.55	12832.3	60	Marcellus						
25	2/18/2019	12796.65	12630.4	60	Marcellus						
26	2/19/2019	12594.75	12428.5	60	Marcellus						
27	2/21/2019	12392.85	12226.6	60	Marcellus						
28	2/21/2019	12190.95	12024.7	60	Marcellus						
29	2/22/2019	11989.05	11822.8	60	Marcellus						
30	2/22/2019	11787.15	11620.9	60	Marcellus						
31	2/22/2019	11585.25	11419	60	Marcellus						
32	2/22/2019	11383.35	11217.1	60	Marcellus						
33	2/23/2019	11181.45	11015.2	60	Marcellus						
34	2/24/2019	10979.55	10813.3	60	Marcellus						
35	2/26/2019	10777.65	10611.4	60	Marcellus						
36	2/26/2019	10575.75	10409.5	60	Marcellus						
37	2/26/2019	10373.85	10207.6	60	Marcellus						
38	2/27/2019	10171.95	10005.7	60	Marcellus						
39	2/27/2019	9970.05	9803.8	60	Marcellus						
40	2/27/2019	9768.15	9601.9	60	Marcellus						
41	3/1/2019	9566.25	9400	60	Marcellus						
42	3/1/2019	9364.35	9198.1	60	Marcellus						
43	3/1/2019	9162.45	8996.2	60	Marcellus						
44	3/2/2019	8960.55	8794.3	60	Marcellus						
45	3/2/2019	8758.65	8592.4	60	Marcellus						
46	3/2/2019	8556.75	8390.5	60	Marcellus						
47	3/2/2019	8354.85	8188.6	60	Marcellus						
48	3/2/2019	8152.95	7986.7	60	Marcellus						
49	3/3/2019	7951.05	7784.8	60	Marcellus						
50	3/3/2019	7749.15	7582.9	60	Marcellus						
51	3/3/2019	7547.25	7381	60	Marcellus						
	5,5,2015	, 5 +7.25	, 501	00	iviai CEIIUS						

API 47-095-02428 Farm Name Tyrone L. Beem et al Well Number Spock Unit 3H									
				EXHIBI"	Γ2				
			Avg	Max			Amount of	Amount of	
Stage No.	Stimulations	Avg Pump	Treatment	Breakdown	ISIP (PSI)	Amount of Proppant	Water	Nitrogen/	
Stuge 110.	Date	Rate	Pressure	Pressure	1311 (1 31)	(lbs)	(bbls)	other	
1	2/10/2019	70.9092	(PSI) 7672.861	(PSI) 5362	3422	267800	8280	(units)	
2	2/10/2019	70.3032	7791	5358	3900	398600	9048	N/A	
3	2/10/2019	77.3135	8361.32	5273	3660	396800	8298	N/A	
	2/10/2019	71.9922	7996.217	5951	4307	396700	7489	N/A	
4 5	2/11/2019	71.2668	8511.807	5968	3728	396750	7755	N/A	
	2/12/2019	69.9165	8188.409	5528	3833	398600	7708	N/A	
6 7	2/12/2019	74.7638	8136.914	4887	4228	398600	7670	N/A	
	2/12/2019	74.7038	8343.731	6050	4047	397720	7553	N/A	
8	2/12/2019	77.5147	8373.25	5768	4372	396960	7527	N/A	
9	2/13/2019	74.5672	7921.451	5217	4372	408000	7686	N/A	
10	2/13/2019	75.4308	7940.009	5820	3551	397600	7582	N/A	
11				5736			7499	N/A	
12	2/13/2019	76.3737	8256.867		3610	397030		N/A	
13	2/14/2019 2/14/2019	75.6047	7995.617	5119 5084	3613	398600 398200	7427	N/A	
14		73.1822 79.401	7676.153		3474		6884	N/A	
15	2/14/2019		8076.264	5461	4211	392800	6862	N/A	
16	2/15/2019	79.7635	8089.715	6743	3961	396050	6941	N/A	
17	2/16/2019	78.6884	7991.182	5366	3808	399400	7027	N/A	
18	2/16/2019	74.2211	8182.452	6149	4119	398830	6968	N/A	
19	2/16/2019	79.5683	8192.46	7893	4609	402000	6983	N/A	
20	2/17/2019	79.5533	8080.164	5770	4265	395030	7060	N/A	
21	2/17/2019	77.6873	8153.536	5561	4380	398200	6935	N/A	
22	2/17/2019	78.9644	7915.753	5523	3686	400100	6955	N/A	
23	2/17/2019	80.2538 79.7952	7897.294	5262 5360	3919	395080	6842	N/A	
24	2/18/2019	79.7952	7868.005		3998	395000	6769	N/A	
25	2/18/2019 2/19/2019	79.7551	7970.178	5603 5507	4047	397960	6796 6866	N/A	
26	2/19/2019	66.6184	8066.76	6002	3888 3498	400010 398820	8529	N/A	
27	2/21/2019	75.0087	8110.999 7887.412	6254	3498	401080	6887	N/A	
28			7925.056					N/A	
29	2/22/2019	78.3147		5688	3997	399150	6856	N/A	
30	2/22/2019 2/22/2019	77.3629 78.675	8090.045 7627.8	5870 5742	3314 3420	399580 399280	6829	N/A	
31							6812	N/A	
32	2/22/2019 2/23/2019	78.9164	8139.19	5752	3607	399200	8887	N/A	
33	, -,	76.4665 67.0714	7940.207	5413 5865	4300	399080 399090	8383	N/A	
34	2/24/2019 2/26/2019	78.4285	8102.359 7638.125	6097	3511 3492	398620	6953 6808	N/A	
35	2/26/2019	78.7769	7630.981	5802	3576	398000	6828	N/A	
36	2/26/2019	79.2668	7646.363	5704	3673	398000	6776	N/A	
37	2/26/2019	79.2668	7715.164	5068		398840		N/A	
38	2/27/2019	78.7874	7488.743	6107	3802 3673	398840	6819 6815	N/A	
39	2/27/2019	78.2908	7671.954	5368	3730	403540	6884	N/A	
40		75.2404		6390			7468	N/A	
41	3/1/2019		7813.61		3512	401200		N/A	
42	3/1/2019	79.5511	7544.082	5588	3633	399860	6765	N/A	
43	3/1/2019	79.7871	7818.895	5439	3557	401200	6815	N/A	
44	3/2/2019	79.9818	7723.2	5764	3576	400500	6662	N/A	
45	3/2/2019	80.3719	7172.086	5282	3599	398200	6679	N/A	
46	3/2/2019	79.9135	7172.768	5186	3657	399720	6709	N/A	
47	3/2/2019	79.8327	7243.756	4587	3438	399840	6720	N/A	
48	3/2/2019	80.528	7032.098	4178	3635	400500	6636	N/A	
49	3/3/2019	80.3134	7136.602	4976	3535	401100	6616	N/A	
50	3/3/2019	78.4583	7217.015	4951	4091	399140	8085	N/A	
51	3/3/2019	77.8386	7074.796	5623	4055	399660	7476	N/A	
52	3/3/2019	79.5576	6813.729	5137	3485	400040	6660	N/A	
		76.8	7,941	5,700	3,828	17,811,580	326,865	TOTAL	

АР	API 47-095-02428 Farm Name Tyrone L. Beem et al Well Number Spock Unit 3H								
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	175	75	175					
Silty Shale	175	335	175	335					
shaly sand	335	425	335	425					
Shale	425	855	425	855					
Dolomitic Shale	855	1,005	855	1,005					
Shaly Siltstone	1,005	1,105	1,005	1,105					
Silty Sandstone	1,105	1,325	1,105	1,325					
Shaly Sand	1,325	1,475	1,325	1,475					
Sandstone	1,475	1,725	1,475	1,725					
Silty, Shaly, Sandstone	1,725	1,765	1,725	1,765					
Sandstone, Tr Shale, Tr Coal	1,765	1,805	1,765	1,805					
Silty Sandstone	1,805	1,885	1,805	1,885					
Shaly Siltstone	1,885	1,967	1,885	2,045					
Big Lime	1,992	2,825	2,070	2,969					
Fifty Foot Sandstone	2,825	3,001	2,969	3,158					
Gordon	3,001	3,157	3,158	3,327					
Fifth Sandstone	3,157	3,436	3,327	3,631					
Bayard	3,436	3,904	3,631	4,137					
Speechley	3,904	4,125	4,137	4,375					
Balltown	4,125	4,661	4,375	4,957					
Bradford	4,661	5,030	4,957	5,354					
Benson	5,030	5,218	5,354	5,557					
Alexander	5,218	6,350	5,557	6,824					
Sycamore	6,205	6,325	6,636	6,799					
Middlesex	6,325	6,420	6,799	6,967					
Burkett	6,420	6,454	6,967	7,046					
Tully	6,454	6,481	7,046	7,132					
Marcellus	6,481	NA	7,132	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**

2/9/2019
3/3/2019
West Virginia
Tyler
47-095-02428-00-00
Antero Resources Corporation
Spock 3H
39.40389400
-80.90389400
NAD83
NO
NO
6,567
16,415,096
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	86.67258	
Sand	U.S. Well Services, LLC	Proppant					
			Crystalline Silica, quartz	14808-60-7	100.00000	13.05334	
HCL Acid (12.6%- 17.5%)	U.S. Well Services, LLC	Bulk Acid					
			Water	7732-18-5	87.40000	0.13600	
			Hydrogen Chloride	7647-01-0	17.50000	0.03162	
LGC-15	U.S. Well Services, LLC	Gelling Agents					
			Guar Gum	9000-30-0	50.00000	0.02213	
			Petroleum Distillates	64742-47-8	60.00000	0.02096	
			Suspending agent (solid)	14808-60-7	3.00000	0.00339	
			Surfactant	68439-51-0	3.00000	0.00133	
WFRA-405	U.S. Well Services, LLC	Friction Reducer					
			2-Propenoic acid, polymer with 2 propenamide		30.00000	0.01820	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01465	

SI-1200	U.S. Well Services, LLC	Scale Inhibitor					
			Water	7732-18-5	80.00000	0.00958	
			Ethylene Glycol	107-21-1	40.00000	0.00685	
			Sodium Chloride	7647-14-5	10.00000	0.00120	
			Sodium Salt of Diethylenetriaminepenta (methylenephophonic acid)	68155-78-2	10.00000	0.00120	
Bioclear 2000	U.S. Well Services, LLC	Anti-Bacterial Agent					
			2,2-dibromo-3- nitrilopropionamide	10222-01-2	20.00000	0.00400	
			Deionized Water	7732-18-5	28.00000	0.00228	
AP One	U.S. Well Services, LLC	Gel Breakers					
			Ammonium Persulfate	7727-54-0	100.00000	0.00061	
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,formalde hyde polymer	68527-49-1	5.00000	0.00000	

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 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%

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### 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:	47-095-02428	County:	Tyler
District:	Centerville	Well No:	Spock Unit 3H
Farm Name:	Tyrone L. Beem et al		
Discharge Date/s F	rom:(MMDDYY) 05/31/19	To: (MMI	ODYY) 05/31/19
Discharge Times.	From: 0:00	To: 24:00	)
Total Volume to be	e Disposed from this facility (	gallons): 996,304	
Disposal Option(s)	Utilized (write volumes in ga	llons):	
(1) Land Applicat	ion:	_ (Include a topograph	nical map of the Area.)
(2) UIC:	130,517	Permit No. 34009238	21, 3400923823, 3400923824, 3416729731 43, 3416729464, 3416729445
(3) Offsite Dispos	al:	Site Location:	
(4) Reuse:	865,787	_ Alternate Permit Nu	mber:
(5) Centralized Fa	cility:	Permit No.	
(6) Other method:		(Include an explanat	ion)
Follow Instructions	s below to determine your trea	tment category:	
Optional Pretreati	ment test: n/a Cl- mg/	/ln/a DO mg/l	
1. Do you have	permission to use expedited tro	eatment from the Director	or his representative?
(Y/N) n/a	If yes, who?	and	l place a four (4) on line 7.
If not go to li	ne 2		
2. Was Frac Flu	id or flowback put into the pit	?(Y/N) n/a If yes	s, 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 li			
	e level less than 5000 mg/l? (		nen enter a one (1) on line 7.
5-12-20-0	a pretreatment value for DO? (	(See above) (Y/N) n/a	If yes, go to line 6
and the same of the same and th	three (3) in line 7.	10	(2) 1: 7 70
	el greater than 2.5 mg/l?(Y/N)	n/a If yes, e	enter a two (2) on line 7. If
	ree (3) on line 7.	a Annranriata caatian	
	e category of your pit. Use the on Pit condition: n/a No pit		
o. Comments	on the condition.		
	Contraction is the Contraction of the Contraction o		
Name of Princip	al Exec. Officer: Gretchen Ko	hler	
Title of Officer:	Senior Environmental and Regu	ulatory Manager	
Date Completed	: 819 119		
I certify und	er penalty of law that I have	personally examined and	d am familiar with the
information sub-	nitted on this document and a	Il the attachments and that	at, based on my inquiry
	uals immediately responsible		
	ue, accurate, and complete. I		
	information, including the pos		
	^		

Signature of a Principal Exec. Officer or Authorized agent.

WR-34		
Page 2 of 3	3	
Category 1		
Sampling l		
ADI No .		

	Predischarge		Disc		
Parameter	Limits	Reported	Limits	Reported	Units
pН	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	3	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	7777-37	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:		_			

	Predischarge		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			
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	
1 0 1 0 5 000		•				

<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	

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Category 3 Sampling Results	

API No:						
	Predischarge		Disc	Discharge		
Parameter	Limits	Reported	Limits	Reported	Units	
рН	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			
Oil	Trace		Trace			
TOC**			Monitor		mg/l	
Oil and Grease			Monitor		mg/l	
Total Al***			Monitor		mg/l	
TSS			Monitor	<u> </u>	mg/l	
Total Mn	Monitor		Monitor	7017 W	mg/l	
Volume			Monitor		Gal	
Flow			Monitor		Gal/min	
Disposal Area			Monitor		Acres	
* Can be 25,000 v	vith inspector's	approval,				
(Inspector's signar	ture):		Da	ate:		
(=====================================			Aeration Cod	le:		
*** Al is only rep					· ·	
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	<u> </u>	mg/l
D.O.	Monitor	Mai 1980 - 1990	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	18	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 wi	th inspector's	approval,			

Date: \_\_\_\_\_

(Inspector's signature):

