

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 103 - 03558 County Wetzel District Green
Quad Porter Falls Pad Name Ingold Field/Pool Name -----
Farm name Karen & Ernest Clark Well Number Skinner Hollow Unit 1H
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 4378229.728m Easting 517816.623m
Landing Point of Curve Northing 4353838.81m Easting 545321.15m
Bottom Hole Northing 4383584.921m Easting 515949.331m

Elevation (ft) 1255' 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

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Mud Type(s) and Additive(s)
Air - Foam & 4% KCL
Mud - Polymer

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Date permit issued 3/6/2023 Date drilling commenced 4/1/2023 Date drilling ceased 6/10/2023
Date completion activities began 8/12/2023 Date completion activities ceased 9/30/2023
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 460' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1983', 1990' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 600', 800' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by: [Signature]
04/19/2024

API 47- 103 - 03558 Farm name Karen & Ernest Clark Well number Skinner Hollow Unit 1H

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	28"	20"	125.5'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	570'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3434'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-1/2"	5-1/2"	24454'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7069'		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	338 sx	15.6	1.18	399	0'	8 Hrs.
Surface	Class A	508 sx	15.6	1.20	610	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1165 sx	15.6	1.20	1393	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4188 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.26 (Tail)	5277	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 24484' MD, 6927' TVD (BHL), 6941' (Deepest Point Drilled) Loggers TD (ft) 24484' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6550'

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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

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API 47-103-03558 Farm Name Karen & Ernest Clark Well Number Skinner Hollow Unit 1H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/12/2023	24358	24314	60	Marcellus
2	8/12/2023	24274.34325	24108.0595	60	Marcellus
3	8/12/2023	24072.40278	23906.119	60	Marcellus
4	8/13/2023	23870.4623	23704.1786	60	Marcellus
5	8/13/2023	23668.52183	23502.2381	60	Marcellus
6	8/13/2023	23466.58135	23300.2976	60	Marcellus
7	8/13/2023	23264.64087	23098.3571	60	Marcellus
8	8/13/2023	23062.7004	22896.4167	60	Marcellus
9	8/13/2023	22860.75992	22694.4762	60	Marcellus
10	8/14/2023	22658.81944	22492.5357	60	Marcellus
11	8/14/2023	22456.87897	22290.5952	60	Marcellus
12	8/14/2023	22254.93849	22088.6548	60	Marcellus
13	8/14/2023	22052.99802	21886.7143	60	Marcellus
14	8/14/2023	21851.05754	21684.7738	60	Marcellus
15	8/15/2023	21649.11706	21482.8333	60	Marcellus
16	8/15/2023	21447.17659	21280.8929	60	Marcellus
17	8/15/2023	21245.23611	21078.9524	60	Marcellus
18	8/15/2023	21043.29563	20877.0119	60	Marcellus
19	8/15/2023	20841.35516	20675.0714	60	Marcellus
20	8/16/2023	20639.41468	20473.131	60	Marcellus
21	8/16/2023	20437.47421	20271.1905	60	Marcellus
22	8/16/2023	20235.53373	20069.25	60	Marcellus
23	8/16/2023	20033.59325	19867.3095	60	Marcellus
24	8/16/2023	19831.65278	19665.369	60	Marcellus
25	8/16/2023	19629.7123	19463.4286	60	Marcellus
26	8/17/2023	19427.77183	19261.4881	60	Marcellus
27	8/17/2023	19225.83135	19059.5476	60	Marcellus
28	8/17/2023	19023.89087	18857.6071	60	Marcellus
29	8/17/2023	18821.9504	18655.6667	60	Marcellus
30	8/18/2023	18620.00992	18453.7262	60	Marcellus
31	8/18/2023	18418.06944	18251.7857	60	Marcellus
32	8/19/2023	18216.12897	18049.8452	60	Marcellus
33	8/19/2023	18014.18849	17847.9048	60	Marcellus
34	8/19/2023	17812.24802	17645.9643	60	Marcellus
35	8/20/2023	17610.30754	17444.0238	60	Marcellus
36	8/20/2023	17408.36706	17242.0833	60	Marcellus
37	8/21/2023	17206.42659	17040.1429	60	Marcellus
38	8/21/2023	17004.48611	16838.2024	60	Marcellus
39	8/21/2023	16802.54563	16636.2619	60	Marcellus
40	8/22/2023	16600.60516	16434.3214	60	Marcellus
41	8/22/2023	16398.66468	16232.381	60	Marcellus
42	8/22/2023	16196.72421	16030.4405	60	Marcellus
43	8/23/2023	15994.78373	15828.5	60	Marcellus
44	8/23/2023	15792.84325	15626.5595	60	Marcellus
45	8/23/2023	15590.90278	15424.619	60	Marcellus
46	8/24/2023	15388.9623	15222.6786	60	Marcellus
47	8/24/2023	15187.02183	15020.7381	60	Marcellus
48	8/24/2023	14985.08135	14818.7976	60	Marcellus
49	8/25/2023	14783.14087	14616.8571	60	Marcellus
50	8/25/2023	14581.2004	14414.9167	60	Marcellus
51	8/25/2023	14379.25992	14212.9762	60	Marcellus
52	8/26/2023	14177.31944	14011.0357	60	Marcellus
53	8/26/2023	13975.37897	13809.0952	60	Marcellus
54	8/26/2023	13773.43849	13607.1548	60	Marcellus
55	8/26/2023	13571.49802	13405.2143	60	Marcellus
56	8/27/2023	13369.55754	13203.2738	60	Marcellus
57	8/27/2023	13167.61706	13001.3333	60	Marcellus
58	8/27/2023	12965.67659	12799.3929	60	Marcellus
59	8/28/2023	12763.73611	12597.4524	60	Marcellus
60	8/28/2023	12561.79563	12395.5119	60	Marcellus
61	8/28/2023	12359.85516	12193.5714	60	Marcellus
62	8/29/2023	12157.91468	11991.631	60	Marcellus
63	8/29/2023	11955.97421	11789.6905	60	Marcellus
64	8/29/2023	11754.03373	11587.75	60	Marcellus
65	8/30/2023	11552.09325	11385.8095	60	Marcellus
66	8/30/2023	11350.15278	11183.869	60	Marcellus
67	8/30/2023	11148.2123	10981.9286	60	Marcellus
68	8/30/2023	10946.27183	10779.9881	60	Marcellus
69	8/31/2023	10744.33135	10578.0476	60	Marcellus
70	8/31/2023	10542.39087	10376.1071	60	Marcellus
71	8/31/2023	10340.4504	10174.1667	60	Marcellus
72	9/1/2023	10138.50992	9972.22619	60	Marcellus
73	9/1/2023	9936.569444	9770.28571	60	Marcellus
74	9/1/2023	9734.628968	9568.34524	60	Marcellus
75	9/1/2023	9532.688492	9366.40476	60	Marcellus
76	9/2/2023	9330.748016	9164.46429	60	Marcellus
77	9/2/2023	9128.80754	8962.52381	60	Marcellus
78	9/2/2023	8926.867063	8760.58333	60	Marcellus
79	9/3/2023	8724.926587	8558.64286	60	Marcellus
80	9/3/2023	8522.986111	8356.70238	60	Marcellus
81	9/3/2023	8321.045635	8154.7619	60	Marcellus
82	9/3/2023	8119.105159	7952.82143	60	Marcellus
83	9/4/2023	7917.164683	7750.88095	60	Marcellus
84	9/4/2023	7715.224206	7548.94048	60	Marcellus
85	9/4/2023	7513.28373	7347	60	Marcellus

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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	8/12/2023	72.5	9897	7380	3800	165160	4887	N/A
2	8/12/2023	85.8	10077	6116	4024	412980	7612	N/A
3	8/12/2023	83.2	9917	5995	3680	411180	7426	N/A
4	8/13/2023	86.0	10346	6063	3908	414780	7680	N/A
5	8/13/2023	89.6	10346	4257	3775	417980	7349	N/A
6	8/13/2023	88.3	10189	5514	3963	408720	7262	N/A
7	8/13/2023	89.7	10186	6203	3845	423320	7450	N/A
8	8/13/2023	93.0	10290	4970	3743	419480	7400	N/A
9	8/13/2023	89.3	10297	6268	3742	422440	7492	N/A
10	8/14/2023	90.7	10164	5200	3683	411100	7326	N/A
11	8/14/2023	87.8	9618	5348	3474	416080	7278	N/A
12	8/14/2023	87.6	10028	6415	3613	410760	7206	N/A
13	8/14/2023	86.8	10071	5758	3700	409180	7264	N/A
14	8/14/2023	90.4	10070	6411	3866	412140	6966	N/A
15	8/15/2023	94.4	10360	6545	3563	421440	7336	N/A
16	8/15/2023	90.8	9972	6336	3992	416200	7290	N/A
17	8/15/2023	92.8	9989	5505	3769	421480	7516	N/A
18	8/15/2023	92.6	10110	6289	3782	421900	7415	N/A
19	8/15/2023	92.9	10112	5472	4050	410780	7305	N/A
20	8/16/2023	96.0	10328	5943	3868	414840	7422	N/A
21	8/16/2023	94.8	10324	6452	3892	412240	7335	N/A
22	8/16/2023	90.1	10068	4633	3684	389440	7113	N/A
23	8/16/2023	93.1	9960	4940	3971	417920	7359	N/A
24	8/16/2023	94.1	10172	6123	3654	420420	7543	N/A
25	8/16/2023	97.6	10077	4962	3934	413320	7425	N/A
26	8/17/2023	96.9	10241	5706	4014	416960	7361	N/A
27	8/17/2023	93.3	10026	6617	3841	416760	7320	N/A
28	8/17/2023	92.0	10145	6564	3929	411500	7445	N/A
29	8/17/2023	92.4	9902	7319	3684	406220	7389	N/A
30	8/18/2023	97.6	10033	5570	3735	420240	7539	N/A
31	8/18/2023	94.9	9909	5735	3741	418040	7345	N/A
32	8/19/2023	96.2	9855	5400	3482	419520	8117	N/A
33	8/19/2023	93.8	9817	5430	3526	410960	7298	N/A
34	8/19/2023	94.6	9532	4973	3585	407780	7422	N/A
35	8/20/2023	95.1	9696	4840	3545	413140	7314	N/A
36	8/20/2023	93.7	9912	5675	3713	413404	7204	N/A
37	8/21/2023	89.6	9975	6087	3436	419260	7437	N/A
38	8/21/2023	91.9	9772	6263	3493	415720	7340	N/A
39	8/21/2023	84.6	9522	6397	3361	416580	7047	N/A
40	8/22/2023	89.9	9703	6132	3962	419580	7287	N/A
41	8/22/2023	97.4	10117	6157	3677	415140	7225	N/A
42	8/22/2023	95.6	9889	6723	3488	414240	7223	N/A
43	8/23/2023	96.5	9388	6100	3714	400910	7194	N/A
44	8/23/2023	96.9	9319	6020	4060	422400	7218	N/A
45	8/23/2023	95.3	9284	5335	4001	399360	8830	N/A
46	8/24/2023	96.9	9493	6252	3696	414080	7284	N/A
47	8/24/2023	96.1	9479	5935	3633	412720	7036	N/A
48	8/24/2023	97.3	9005	5277	3552	419320	7313	N/A
49	8/25/2023	97.6	9034	5380	3525	415400	7258	N/A
50	8/25/2023	97.2	8882	4995	3964	406920	6958	N/A
51	8/25/2023	96.9	9028	5732	3623	415180	7141	N/A
52	8/26/2023	97.4	9093	6619	3730	414720	7057	N/A
53	8/26/2023	96.0	8793	5693	3808	413540	7157	N/A
54	8/26/2023	97.1	8916	5600	3853	417380	7082	N/A
55	8/26/2023	95.1	9065	6398	3998	413140	7060	N/A
56	8/27/2023	96.1	9111	5662	4190	409240	6879	N/A
57	8/27/2023	96.9	8825	5444	3906	419080	7107	N/A
58	8/27/2023	97.8	8877	5760	3919	417040.0	7104	N/A
59	8/28/2023	98.2	8556	5301	4246	414120.0	7050	N/A
60	8/28/2023	97.8	8340	5511	3619	421700.0	7036	N/A
61	8/28/2023	97.8	8526	5908	3671	399340.0	6896	N/A
62	8/29/2023	97.1	8658	5763	3576	414320.0	7042	N/A
63	8/29/2023	98.3	8778	5391	3533	420740.0	6961	N/A
64	8/29/2023	98.0	8557	5427	3667	400450.0	6828	N/A
65	8/30/2023	96.2	8716	6154	3555	394820.0	6819	N/A
66	8/30/2023	96.7	8817	5369	3585	419680.0	7058	N/A
67	8/30/2023	97.8	8645	5622	3379	413140.0	6960	N/A
68	8/30/2023	95.7	8390	5899	3610	419380.0	6971	N/A
69	8/31/2023	97.1	8541	5933	3811	417120.0	6812	N/A
70	8/31/2023	97.1	8888	5335	3735	418380.0	6941	N/A
71	8/31/2023	96.6	8240	5412	3567	416020.0	7000	N/A
72	9/1/2023	95.6	8264	5727	3410	400520.0	6720	N/A
73	9/1/2023	96.8	8445	5840	3743	413820.0	6976	N/A
74	9/1/2023	97.5	8409	6025	3595	402180.0	6786	N/A
75	9/1/2023	96.9	7852	5994	3398	401280.0	6717	N/A
76	9/2/2023	97.0	7772	4742	3619	418460.0	6978	N/A
77	9/2/2023	98.1	8030	5494	3905	425180.0	7028	N/A
78	9/2/2023	97.2	7640	5656	3730	419620.0	6978	N/A
79	9/3/2023	97.0	8015	4210	3475	398280.0	6701	N/A
80	9/3/2023	97.9	7897	5815	3502	414340.0	6865	N/A
81	9/3/2023	98.3	7876	4669	3470	418100.0	6888	N/A
82	9/3/2023	97.3	7860	5089	3646	401040.0	6735	N/A
83	9/4/2023	96.8	7942	6072	3692	418580.0	6860	N/A
84	9/4/2023	97.8	7772	5689	3756	419660.0	6914	N/A
85	9/4/2023	97.5	8237	5511	3581	418380.0	6907	N/A
	AVERAGE	94	9,297	5,746	3,723	34,918,804	609,073	TOTAL

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (IVD)	BOTTOM DEPTH (IVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandstone	74	474	74	474
Sandy Siltstone	474	724	474	724
Siltstone, occ Sandstone	724	824	724	824
Siltstone, rr Limestone	824	874	824	874
Siltstone, occ Sandstone	874	1,174	874	1,174
Shaly Siltstone, occ LS	1,174	1,274	1,174	1,274
Siltstone, rr SH, rr Coal	1,274	1,474	1,274	1,474
Shaly Siltstone	1,474	1,624	1,474	1,624
Shaly Sandstone	1,624	1,674	1,624	1,674
Silty, Shaly, Sandstone	1,674	1,924	1,674	1,924
Silty Sandstone, Tr Coal	1,924	1,974	1,924	1,974
Silty Sandstone	1,974	2,074	1,974	2,074
Silty Sandstone, calc cmt	2,074	2,137	2,074	2,138
Big Lime	2,163	2,834	2,164	2,836
Fifty Foot Sandstone	2,834	3,017	2,836	3,019
Gordon	3,017	3,268	3,019	3,269
Fifth Sandstone	3,268	3,500	3,269	3,502
Bayard	3,500	3,956	3,502	3,963
Speechley	3,956	4,162	3,963	4,174
Balltown	4,162	4,593	4,174	4,627
Bradford	4,593	5,172	4,627	5,241
Benson	5,172	5,621	5,241	5,723
Alexander	5,621	6,713	5,723	6,926
Sycamore	6,574	6,687	6,750	6,900
Middlesex	6,687	6,778	6,900	7,049
Burkett	6,778	6,801	7,049	7,096
Tully	6,801	6,871	7,096	7,299
Marcellus	6,871	NA	7,299	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.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	08/11/2023
Job End Date:	09/04/2023
State:	West Virginia
County:	Wetzel
API Number:	47-103-03558-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	SKINNER HOLLOW UNIT 1H
Latitude:	39.55357
Longitude:	-80.79262
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6941
Total Base Water Volume (gal)*:	26893198.97
Total Base Non Water Volume:	0



Water Source	Percent
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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
FDP-S1464-22	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
Ingredients	Listed Above	Listed Above					
MC B-8614A	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Produced Water	Halliburton	Base Fluid					
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
WG-36 GELLING AGENT	Halliburton	Gelling Agent					

04/19/2024

JP

Items above are Trade Names. Items below are the individual ingredients.

			Water	7732-18-5	100.00000	86.36011	Density = 8.34
			Crystalline silica, quartz	14808-60-7	100.00000	13.44511	None
			Water	7732-18-5	100.00000	0.16871	None
			Hydrochloric acid	7647-01-0	30.00000	0.03843	None
			Complex amine compound	Proprietary	60.00000	0.03218	None
			Hydrotreated distillate	Proprietary	30.00000	0.01609	None
			Guar gum	9000-30-0	100.00000	0.00430	None
			Ammonium chloride	12125-02-9	5.00000	0.00268	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00268	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00268	None
			Glutaraldehyde	111-30-8	30.00000	0.00253	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00054	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00054	None
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00042	None
			Methanol	67-56-1	100.00000	0.00024	None
			Ammonium persulfate	7727-54-0	100.00000	0.00009	None
			Ethanol	64-17-5	1.00000	0.00008	None
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	None
			Modified thiourea polymer	Proprietary	30.00000	0.00007	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	None
			Propargyl alcohol	107-19-7	5.00000	0.00001	None
			Hexadecene	629-73-2	5.00000	0.00001	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00001	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None

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* 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%

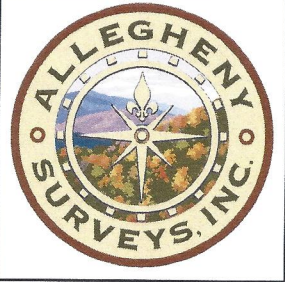
04/19/2024

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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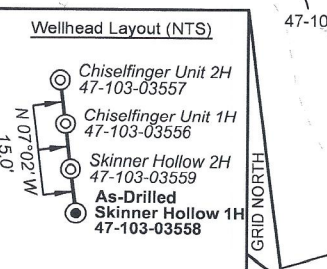
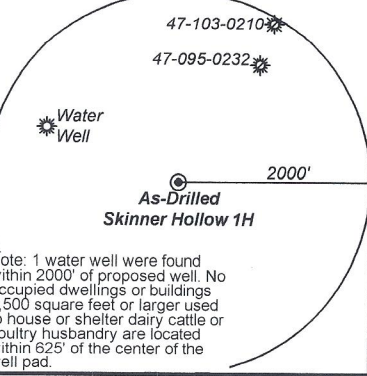
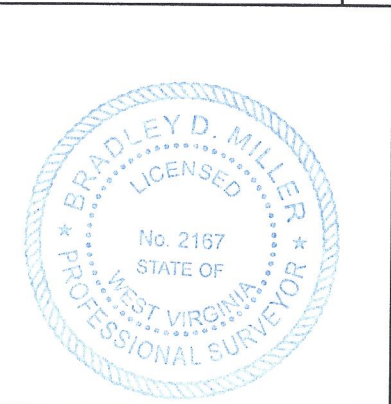
Antero Resources
Well No. Skinner Hollow 1H
As-Drilled
 Antero Resources Corporation



Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

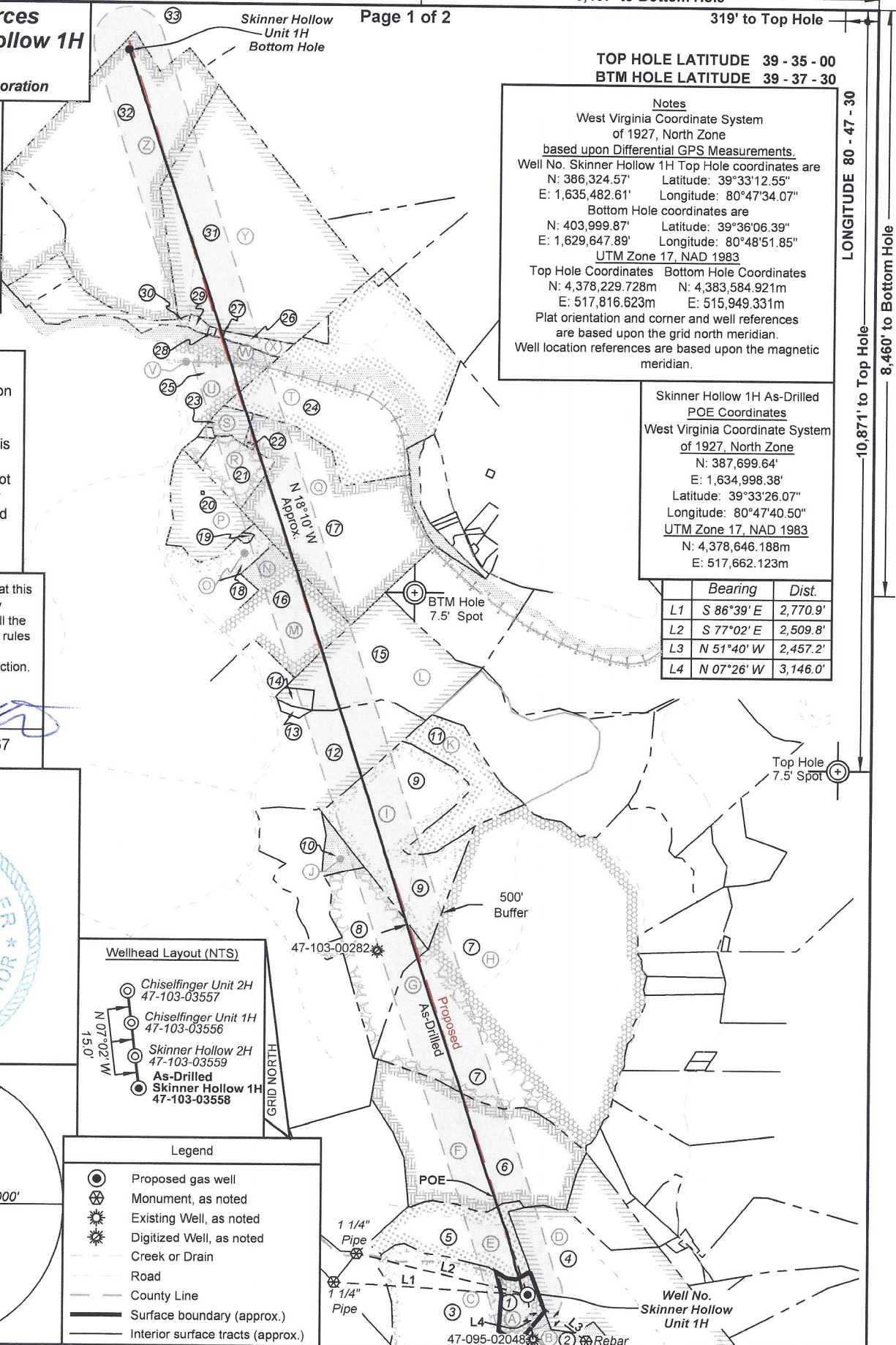
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
 Bradley D. Miller, P.S. 2167



Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Road
- County Line
- Surface boundary (approx.)
- Interior surface tracts (approx.)



Notes
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Skinner Hollow 1H Top Hole coordinates are
 N: 386,324.57' Latitude: 39°33'12.55"
 E: 1,635,482.61' Longitude: 80°47'34.07"
 Bottom Hole coordinates are
 N: 403,999.87' Latitude: 39°36'06.39"
 E: 1,629,647.89' Longitude: 80°48'51.85"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,378,229.728m N: 4,383,584.921m
 E: 517,816.623m E: 515,949.331m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Skinner Hollow 1H As-Drilled POE Coordinates
 West Virginia Coordinate System of 1927, North Zone
 N: 387,699.64'
 E: 1,634,998.38'
 Latitude: 39°33'26.07"
 Longitude: 80°47'40.50"
 UTM Zone 17, NAD 1983
 N: 4,378,646.188m
 E: 517,662.123m

	Bearing	Dist.
L1	S 86°39' E	2,770.9'
L2	S 77°02' E	2,509.8'
L3	N 51°40' W	2,457.2'
L4	N 07°26' W	3,146.0'

FILE NO: 06-34-G-21
 DRAWING NO: Skinner Hollow 1H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: December 5 2023
 OPERATOR'S WELL NO. Skinner Hollow Unit 1H
 API WELL NO
 47 - 103 - 03558
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,255' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls 525.69;
 DISTRICT: Green COUNTY: Wetzel 4.463
 SURFACE OWNER: Karen & Ernest Clark William C. Schamp; Antero Minerals, LLC; Newton E. & Shirley L. Higginbotham; James W. Yoho, et ux; John K. & Patricia Ingold; W.C. Cunningham, et al; ACREAGE: 15.00 61.5; 106; 26.43750; 14.5; 97; 6.315; 100; 8; 155.641; 166.66;
 ROYALTY OWNER: Karen Sue Clark; Robert E. & Beth Ann Clark; Warren M. Clark, et ux; Piney Holdings, Inc. LEASE NO: ACREAGE: 6.927' TVD
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled ESTIMATED DEPTH: 24,484' MD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

6,407' to Bottom Hole

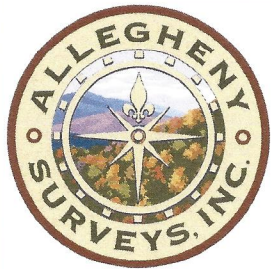
319' to Top Hole

LONGITUDE 80 - 47 - 30

10,871' to Top Hole

8,460' to Bottom Hole

04/19/2024



ID	TM-Par	Owner	Bk/Pg	Acres
1	8-1	Karen & Ernest Clark	366/625	15.00
2	8-4	Karen & Ernest Clark	366/625	34.25
3	7-16	John B. & Helen L. Bennett	334/359	90.00
4	15-7	Clair Phillip Dawson, Jr.	471/210	104.25
5	15-6	Robert E. & Beth Ann Clark	366/460	53.25
6	15-3	Robert E. & Beth Ann Clark	404/238	85.50
7	12-43	Coastal Forest Resources Co.	444/105	172.70
8	11-26	Coastal Forest Resources Co.	444/105	79.00
9	12-23	Coastal Forest Resources Co.	444/105	62.45
10	11-20	Coastal Forest Resources Co.	444/105	5.88
11	11-14	Steven M. & Marisa J. Ingold	494/13	25.00
12	11-10.5	John K. & Patricia A. Ingold	299/45	44.39
13	11-10.2	Carolyn J. Tuttle	266/419	1.25
14	11-10.4	Russell Jones Jr.	273/78	2.50
15	11-10	Russell Jones Jr.	273/78	53.00
16	7-34.2	Joshua Gump	477/707	32.77
17	7-34	David A. Conner	397/1	9.00
18	7-41	Joyce Salazer, et al	WB 79/55	16.44
19	7-47	Fluharty Cemetery	---/---	0.47
20	7-32.3	Joshua Curry Gump	386/326	25.50
21	7-34.1	Charles M. Schamp	416/67	14.00
22	7-24.1	Newton Higginbotham	415/868	0.17
23	7-24	Shirley L. Higginbotham	342/610	6.32
24	7-18	George M. Arthurs, et ux	409/362	98.06
25	6-19.1	Benjamin R. Yoho	332/13	100.00
26	7-63	Percy Yoho	254/281	5.00
27	7-57.1	Daniel O'Dell	452/61	0.32
28	7-57	Daniel O'Dell	452/61	0.68
29	7-58	Steven & Whitney Williams	459/662	2.00
30	6-43	Danny R. & Amanda Booher	428/767	17.38
31	7-10	David L. & Esther P. Shreve	402/217	138.20
32	6-9	David L. & Esther P. Shreve	393/1	132.83
33	1-29	David L. Shreve	357/398	227.16

Leases	
A	Karen Sue Clark
B	Karen Sue Clark
C	John B. Bennett, et ux
D	Clair P. Dawson
E	Robert Eugene & Beth Ann Clark
F	Warren M. Clark, et al
G	James W. Yoho, et ux
H	Gregory W. Burrough
I	John K. & Patricia Ingold
J	Coastal Forest Resources Company
K	Russell L. Jones, Jr.
L	W.C. Cunningham, et al
M	William C. Schamp
N	Justus Alfred Eakin
O	John Mathew Staley
P	Joshua Curry Gump
Q	Antero Minerals, LLC
R	AMP IV, LP
S	Newton E. & Shirley L. Higginbotham
T	George N. Myers, et ux
U	Stone Hill Minerals Holdings, LLC
V	CSX Transportation Inc.
W	WVDNR
X	Piney Holdings, Inc.
Y	Chesapeake Appalachia, LLC
Z	Gail Phillips Atkinson

FILE NO: 06-34-G-21
 DRAWING NO: Skinner Hollow 1H As-Drilled
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 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Monroe County, OH

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 DISTRICT: Green COUNTY: Wetzel 14,163.463
 SURFACE OWNER: Karen & Ernest Clark CSX Transportation, Inc.; George N. Myers, et ux; AMP IV, LP; WVDNR; William C. Schamp; Antero Minerals, LLC; Newton E. & Shirley L. Higginbotham; James W. Yoho, et ux; John K. & Patricia Ingold; W.C. Cunningham, et al; Gail Phillips Atkinson; 53.25; 85.25; 100;
 ROYALTY OWNER: Karen Sue Clark; Robert E. & Beth Ann Clark; Warren M. Clark, et ux; Piney Holdings, Inc. ACREAGE: 15.00 61.5; 106; 26.43750;
 LEASE NO: _____ ACREAGE: 8; 155.641; 166.66; 14.5; 97; 6.315; 100;

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,484' MD 6.927' TVD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

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Environmental Protection

Company Name: Antero Resources Corporation
API No: 47-103-03558 County: Wetzel
District: Green Well No: Skinner Hollow 1H
Farm Name: Karen & Ernest Clark
Discharge Date/s From:(MMDDYY) 10/6/2023 To: (MMDDYY) 11/5/2023
Discharge Times. From: 0:00 To: 24:00
Total Volume to be Disposed from this facility (gallons): 1078844
Disposal Option(s) Utilized (write volumes in gallons):
(1) Land Application: 0 (Include a topographical map of the Area.)
(2) UIC: 0 Permit No. _____
(3) Offsite Disposal: 0 Site Location: _____
(4) Reuse: 1078844 Alternate Permit Number: _____
(5) Centralized Facility: 0 Permit No. _____
(6) Other method: 0 (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

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Name of Principal Exec. Officer: Gretchen Kohler
Title of Officer: Director of Environmental and Regulatory Compliance
Date Completed: 1/12/2024

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.

Gretchen Kohler

Signature of a Principal Exec. Officer or Authorized agent.

APPROVED
04/19/2024

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): _____

** Include a description of your aeration technique.

*** Al is only reported if the pH is above 9.0.

Date: _____

Aeration Code: _____

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JAN 19 2024

WV Department of
Environmental Protection

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: 2-13-24 04/19/2024