

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

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WV Department of
Environmental Protection

API 47 - 041 - 05713 County Lewis District Freemans Creek
Quad Weston Pad Name Flesher 1212 Field/Pool Name Kennedy
Farm name Flesher Well Number 1212 N9H
Operator (as registered with the OOG) HG Energy LLC
Address 5260 Dupont Rd. City Parkersburg State WV Zip 26101

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 14206097.39 Easting 1785724.78
Landing Point of Curve Northing 14205132.21 Easting 1782970.85
Bottom Hole Northing 14224007.50 Easting 1776176.05

Elevation (ft) 1332 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/ OBM
KCL, Barite, Lime, CaCL, base oil, clay, sulfatone, safevert FLG, safevert WA

Date permit issued 01/22/2021 Date drilling commenced 3/1/2021 Date drilling ceased 10/18/2021
Date completion activities began 12/20/2021 Date completion activities ceased 5/28/2022
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 283 Open mine(s) (Y/N) depths N
Salt water depth(s) ft Not observed Void(s) encountered (Y/N) depths N
Coal depth(s) ft 303, 473, 815, 910, 1065 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by: _____

APPROVED

Lerneth Reynolds 3-14-24

03/22/2024

API 47-041 - 05713 Farm name Flesher Well number 1212 N9H

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	30"	30"	100'	New	154.5 lbs/ft		N
Surface	26"	20"	1086	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2080	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2908	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	28159	New	23 lbs/ft P-11		No
Tubing							
Packer type and depth set							

Comment Details 180 bbls of spacer back to surface, 240 bbls into displacement flow began to taper off and prior to bumping plug it had tapered down to a 2" stream at dump line.
596 bbls total displacement volume.

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	Not Cemented						
Surface	Class A	1908	15.6	1.18	2251	surface	8
Coal							
Intermediate 1	Class A	1419/697	16.0/16.4	1.16/1.10	1646/767	surface	24
Intermediate 2	Class A	1109	15.6	1.19	1320	surface	8
Intermediate 3							
Production	Class A	955/271/380/4235	13.5/13.5/13.5/14.8	1.83/1.67/1.48/1.34	1747/453/562/5675	2150	8
Tubing							

Drillers TD (ft) ²⁸¹⁸⁹ _____ Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁶⁹⁰² _____

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 _____
 20" casing: Centralizer placed on the shoe joint and every other joint to surface
 13.375" casing: centralizer run every joint to 20" casing then placed every 3 joints to surface
 9.625" casing: Centralizers run every other joint to 13.375" casing then placed every 3 joints to surface
 5.5" casing: Centralizer run every joint to top of curve (KOP) then centralizers placed every 3 joints to surface

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS FEB 21 2024

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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API 47- 041 - 05713

Farm name Flesher

Well number 1212 N9H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
			See Attached		

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)
			See Attached					

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Please insert additional pages as applicable.

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HG Energy II Appalachia, LLC
Fletcher 1222 N-9H
Perforation Record

Stage #	Date	Perf from Depth	Perf to Depth	Number of Perfs	Formation
Sleeve/1	1/2/2022	28103	28078	2	Marcellus
2	1/3/2022	28044	27876	28	Marcellus
3	1/3/2022	27848	27680	28	Marcellus
4	1/4/2022	27652	27484	28	Marcellus
5	1/4/2022	27456	27288	28	Marcellus
6	1/4/2022	27260	27092	28	Marcellus
7	1/5/2022	27064	26896	28	Marcellus
8	1/5/2022	26868	26700	28	Marcellus
9	1/5/2022	26672	26504	28	Marcellus
10	1/6/2022	26476	26308	28	Marcellus
11	1/7/2022	26280	26112	28	Marcellus
12	1/7/2022	26084	25916	28	Marcellus
13	1/8/2022	25888	25720	28	Marcellus
14	1/8/2022	25692	25524	28	Marcellus
15	1/9/2022	25496	25328	28	Marcellus
16	1/9/2022	25300	25132	28	Marcellus
17	1/10/2022	25104	24936	28	Marcellus
18	1/10/2022	24908	24740	28	Marcellus
19	1/11/2022	24712	24544	28	Marcellus
20	1/11/2022	24516	24348	28	Marcellus
21	1/11/2022	24320	24152	28	Marcellus
22	1/12/2022	24124	23956	28	Marcellus
23	1/12/2022	23928	23760	28	Marcellus
24	1/12/2022	23732	23564	28	Marcellus
25A	1/13/2022	23536	23368	28	Marcellus
25B	1/13/2022	23536	23345	64	Marcellus
26	1/14/2022	23316	23172	28	Marcellus
27	1/14/2022	23144	22976	28	Marcellus
28	1/14/2022	22948	22780	28	Marcellus
29	1/15/2022	22752	22584	28	Marcellus
30	1/15/2022	22556	22388	28	Marcellus
31	1/16/2022	22360	22192	28	Marcellus
32A	1/16/2022	22164	21996	28	Marcellus
32B	1/18/2022	22164	21974	64	Marcellus
33	1/19/2022	21949	21800	32	Marcellus
34	1/19/2022	21772	21604	32	Marcellus
35	1/20/2022	21576	21408	32	Marcellus
36	1/20/2022	21380	21212	32	Marcellus
37	2/14/2022	21184	21016	32	Marcellus
38	2/14/2022	20988	20820	32	Marcellus
39	2/15/2022	20792	20624	32	Marcellus
40	2/15/2022	20596	20428	32	Marcellus
41	2/15/2022	20400	20232	32	Marcellus
42	2/15/2022	20204	20036	32	Marcellus
43	2/16/2022	20008	19840	32	Marcellus
44	2/16/2022	19812	19644	32	Marcellus
45	2/16/2022	19616	19448	32	Marcellus
46	2/16/2022	19420	19252	32	Marcellus
47	2/17/2022	19224	19056	32	Marcellus
48	2/17/2022	19028	18860	32	Marcellus
49	2/17/2022	18832	18664	32	Marcellus
50	2/17/2022	18636	18468	32	Marcellus
51	2/18/2022	18440	18272	32	Marcellus

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52	2/18/2022	18244	18076	32	Marcellus
53	2/18/2022	18048	17880	32	Marcellus
54	2/18/2022	17852	17684	32	Marcellus
55	2/19/2022	17656	17488	32	Marcellus
56	2/19/2022	17460	17292	32	Marcellus
57	2/23/2022	17265	17097	32	Marcellus
58	2/23/2022	17071	16903	32	Marcellus
59	2/24/2022	16877	16709	32	Marcellus
60	2/24/2022	16683	16515	32	Marcellus
61	2/24/2022	16489	16321	32	Marcellus
62A	2/24/2022	16295	16127	32	Marcellus
62B	2/24/2022	16295	16103	64	Marcellus
63	2/25/2022	16075	15921	32	Marcellus
64	2/25/2022	15893	15739	32	Marcellus
65	2/25/2022	15713	15545	32	Marcellus
66	2/25/2022	15519	15351	32	Marcellus
67	2/26/2022	15325	15157	32	Marcellus
68	2/26/2022	15131	14963	32	Marcellus
69	2/26/2022	14937	14769	32	Marcellus
70	2/26/2022	14743	14575	32	Marcellus
71	2/27/2022	14549	14381	32	Marcellus
72	2/27/2022	14355	14187	32	Marcellus
73	2/27/2022	14161	13993	32	Marcellus
74	2/28/2022	13967	13799	32	Marcellus
75	2/28/2022	13773	13605	32	Marcellus
76	2/28/2022	13579	13411	32	Marcellus
77	2/28/2022	13385	13217	32	Marcellus
78	3/1/2022	13191	13023	32	Marcellus
79	3/1/2022	12997	12829	32	Marcellus
80	3/1/2022	12803	12635	32	Marcellus
81	3/2/2022	12609	12441	32	Marcellus
82	3/2/2022	12415	12247	32	Marcellus
83	3/2/2022	12221	12053	32	Marcellus
84	3/2/2022	12027	11859	32	Marcellus
85	3/3/2022	11833	11665	32	Marcellus
86	3/3/2022	11639	11471	32	Marcellus
87	3/3/2022	11445	11277	32	Marcellus
88	3/4/2022	11251	11083	32	Marcellus
89	3/4/2022	11057	10889	32	Marcellus
90	3/4/2022	10863	10695	32	Marcellus
91	3/4/2022	10669	10501	32	Marcellus
92	3/5/2022	10475	10307	32	Marcellus
93	3/5/2022	10281	10113	32	Marcellus
94	3/5/2022	10087	9919	32	Marcellus
95	3/5/2022	9893	9725	32	Marcellus
96	3/6/2022	9699	9531	32	Marcellus
97A	3/6/2022	9505	9337	32	Marcellus
97B	3/6/2022	9505	9297	60	Marcellus
98	3/6/2022	9270	9123	32	Marcellus
99	3/6/2022	9096	8949	32	Marcellus
100	3/7/2022	8923	8755	32	Marcellus
101	3/7/2022	8729	8561	32	Marcellus
102	3/7/2022	8535	8367	32	Marcellus
103	3/7/2022	8341	8173	32	Marcellus

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HG Energy II Appalachia, LLC
Fletcher 1212 N-9H
Stimulation Record

Stage #	Date	Avg Pump Rate (BPM)	Avg Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	1/2/2022	65.0	9491	12320	3021	270000	9,859
2	1/3/2022	73.4	10,035	6,662	4,215	634000	13,824
3	1/3/2022	67.0	9,717	6,604	5,573	700000	14,539
4	1/4/2022	75.0	10,067	6,070	4,933	700000	15,145
5	1/4/2022	73.0	9,901	7,003	4,975	702600	13,119
6	1/4/2022	75.0	9,795	6,500	5,706	702500	12,722
7	1/5/2022	75.8	10,288	6,415	4,915	700210	11,619
8	1/5/2022	76.0	10,038	6,077	5,256	705200	11,838
9	1/5/2022	78.0	10,220	6,652	5,649	503200	11,059
10	1/6/2022	69.0	9,507	5,997	5,562	700500	12,217
11	1/7/2022	72.0	10,503	7,620	5,091	706592	18,897
12	1/7/2022	70.0	10,284	6,511	5,230	704500	16,341
13	1/8/2022	78.0	10,809	7,011	5,086	705140	14,738
14	1/8/2022	73.0	10,139	6,578	5,835	277160	10,628
15	1/9/2022	80.0	10,142	6,771	5,073	705380	14,579
16	1/9/2022	75.0	10,126	6,870	4,715	705620	15,803
17	1/10/2022	78.0	10,245	6,230	4,587	780140	18,785
18	1/10/2022	80.0	9,849	6,241	5,122	611740	11,344
19	1/11/2022	75.0	9,717	6,242	4,942	705980	14,667
20	1/11/2022	82.0	10,026	6,189	4,814	705100	13,872
21	1/11/2022	81.0	10,012	6,159	4,826	432200	10,874
22	1/12/2022	79.0	10,109	6,508	5,190	705000	10,109
23	1/12/2022	83.0	9,972	4,292	5,603	705200	14,222
24	1/12/2022	79.0	10,224	6,125	6,235	317260	9,816
25A	1/13/2022	17.3	10,137	5,680	N/A	610	4,801
25B	1/13/2022	78.0	9,900	5,680	4,516	605400	11,021
26	1/14/2022	81.0	9,974	5,297	4,932	570000	13,791
27	1/14/2022	81.0	9,754	5,990	5,440	579600	11,125
28	1/14/2022	81.0	9,940	6,730	4,972	660400	12,598
29	1/15/2022	88.0	9,901	6,602	5,410	704745	11,935
30	1/15/2022	84.0	10,188	5,926	5,153	540400	12,337
31	1/16/2022	90.0	10,431	6,490	4,738	383600	10,565
32A	1/16/2022	45.0	9,292	6,570	N/A	600	1,608
32B	1/18/2022	92.0	10,248	3,055	4,365	704400	13,835
33	1/19/2022	87.0	10,408	5,647	5,533	575274	14,584
34	1/19/2022	90.0	9,915	5,647	4,825	592300	10,979
35	1/20/2022	91.0	10,002	6,410	5,056	704300	11,761
36	1/20/2022	95.7	10,135	6,347	5,346	572660	10,818
37	2/14/2022	94.0	10,204	6,381	5,292	705200	12,354
38	2/14/2022	90.0	10,001	6,154	5,254	705000	12,878
39	2/15/2022	87.0	9,883	6,293	4,718	662200	9,809
40	2/15/2022	88.0	9,583	5,880	4,874	703500	11,385
41	2/15/2022	110.0	8,889	5,741	5,963	703600	9,827
42	2/15/2022	97.0	9,610	5,809	5,264	705000	9,876
43	2/16/2022	93.0	9,795	5,949	4,728	705000	11,211
44	2/16/2022	94.0	10,081	6,062	5,233	523200	9,942
45	2/16/2022	101.0	10,156	5,699	4,706	705600	10,062
46	2/16/2022	97.0	9,958	5,766	5,378	622516	10,640
47	2/17/2022	97.0	9,908	5,575	5,497	720200	9,676
48	2/17/2022	93.0	9,827	6,082	5,048	720200	11,368
49	2/17/2022	98.0	9,897	6,137	5,227	720000	10,222
50	2/17/2022	98.0	10,180	6,031	5,738	386100	8,188
51	2/18/2022	98.0	9,962	5,381	5,247	721000	9,825
52	2/18/2022	97.0	9,934	5,476	4,942	717300	9,824
53	2/18/2022	100.8	9,952	6,084	4,835	688609	9,689
54	2/18/2022	99.9	10,134	6,334	4,034	720000	10,962
55	2/19/2022	100.0	9,946	5,349	5,197	719900	9,687

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56	2/19/2022	101.8	9,916	5,742	6,160	704200	10,635
57	2/23/2022	101.0	10,106	5,422	4,904	719000	10,642
58	2/23/2022	98.0	9,894	3,900	4,917	719500	9,744
59	2/24/2022	100.0	10,115	5,470	4,872	695460	9,716
60	2/24/2022	102.1	10,265	5,864	5,300	720110	9,554
61	2/24/2022	96.0	10,096	6,338	5,729	689070	10,638
62A	2/24/2022	82.0	10,746	5,670	4,888	10000	3,127
62B	2/24/2022	91.0	9,373	5,670	4,498	719600	11,382
63	2/25/2022	102.5	10,164	5,632	5,239	712240	9,891
64	2/25/2022	100.5	10,139	5,068	4,784	720110	10,863
65	2/25/2022	92.0	9,667	5,462	4,463	719900	11,096
66	2/25/2022	98.0	9,805	5,364	4,344	719500	10,966
67	2/26/2022	101.7	10,328	5,684	4,597	680560	10,411
68	2/26/2022	101.0	10,131	5,778	5,531	719800	9,692
69	2/26/2022	100.0	9,972	5,848	5,742	676000	9,153
70	2/26/2022	103.0	9,999	6,200	4,555	720000	9,630
71	2/27/2022	106.2	10,174	5,632	4,877	720010	9,661
72	2/27/2022	105.0	10,197	5,830	4,565	720000	9,649
73	2/27/2022	94.0	9,840	6,000	5,200	720500	11,107
74	2/28/2022	100.9	10,353	6,021	5,970	433920	8,239
75	2/28/2022	105.0	9,840	6,015	5,050	632900	9,051
76	2/28/2022	105.0	9,860	5,771	5,163	720100	9,836
77	2/28/2022	102.0	9,827	6,021	5,108	630000	9,760
78	3/1/2022	106.9	10,195	6,032	4,942	720140	9,656
79	3/1/2022	105.0	10,016	5,985	5,411	691200	10,756
80	3/1/2022	107.0	9,563	5,980	5,573	720000	9,645
81	3/2/2022	108.1	10,046	6,033	5,621	675680	9,312
82	3/2/2022	108.6	9,710	5,777	4,872	720480	9,623
83	3/2/2022	108.0	9,722	6,032	5,664	720020	9,799
84	3/2/2022	109.0	9,670	5,986	5,110	720100	9,733
85	3/3/2022	105.7	9959	6522	4748	720020	10428
86	3/3/2022	109.0	9723	6323	4793	720000	10264
87	3/3/2022	109.0	9493	6195	5172	720000	11140
88	3/4/2022	109.6	9704	6218	5828	720100	9522
89	3/4/2022	106.9	9406	5960	4536	720060	10263
90	3/4/2022	108.0	9305	5573	5129	720000	9738
91	3/4/2022	109.0	9409	5585	5134	720000	9448
92	3/5/2022	105.0	9128	5956	6013	708340	12086
93	3/5/2022	99.0	8860	5917	5482	720720	9192
94	3/5/2022	109.0	9367	5875	5660	675000	9509
95	3/5/2022	108.0	9199	6486	6380	720000	9597
96	3/6/2022	109.0	8964	6323	5691	720000.5	9577
97A	3/6/2022	88.0	10811	6311	7038	380	2524
97B	3/6/2022	107.0	9113	5942	5181	720200	11267
98	3/6/2022	109.0	8827	6056	6040	720000	9587
99	3/6/2022	107.0	8930	6323	5401	720000	9481
100	3/7/2022	108.0	8510	6459	6024	720220	9352
101	3/7/2022	110.0	8206	5322	5068	720700	9384
102	3/7/2022	103.0	8250	6607	6537	643000	10100
103	3/7/2022	109.0	8600	5958	5153	720000	9888

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API 47- 041 - 05713 Farm name Flesher Well number 1212 N9H

PRODUCING FORMATION(S) DEPTHS
Marcellus 6801-7301 TVD 8098-28189 MD

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Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
 _____ mcfpd _____ bpd _____ bpd _____ bpd 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)
	0		0		
					See Attached

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling
 Address 2640 Reach road City Williamsport State PA Zip 17701

Logging Company Renegade Wireline Services
 Address 191 Earnhardt Rd. City Hunker State PA Zip 15639

Cementing Company Schlumberger
 Address 300 Schlumberger Dr. City Sugar Land State TX Zip 77478

Stimulating Company Nextier
 Address 8300 Route 119 North City Black Lick State PA Zip 15716

Please insert additional pages as applicable.

Completed by Diane White Telephone 304-420-1119
 Signature Diane White Title _____ Date 02/12/2024

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

03/22/2024

HG Energy II Appalachia, LLC

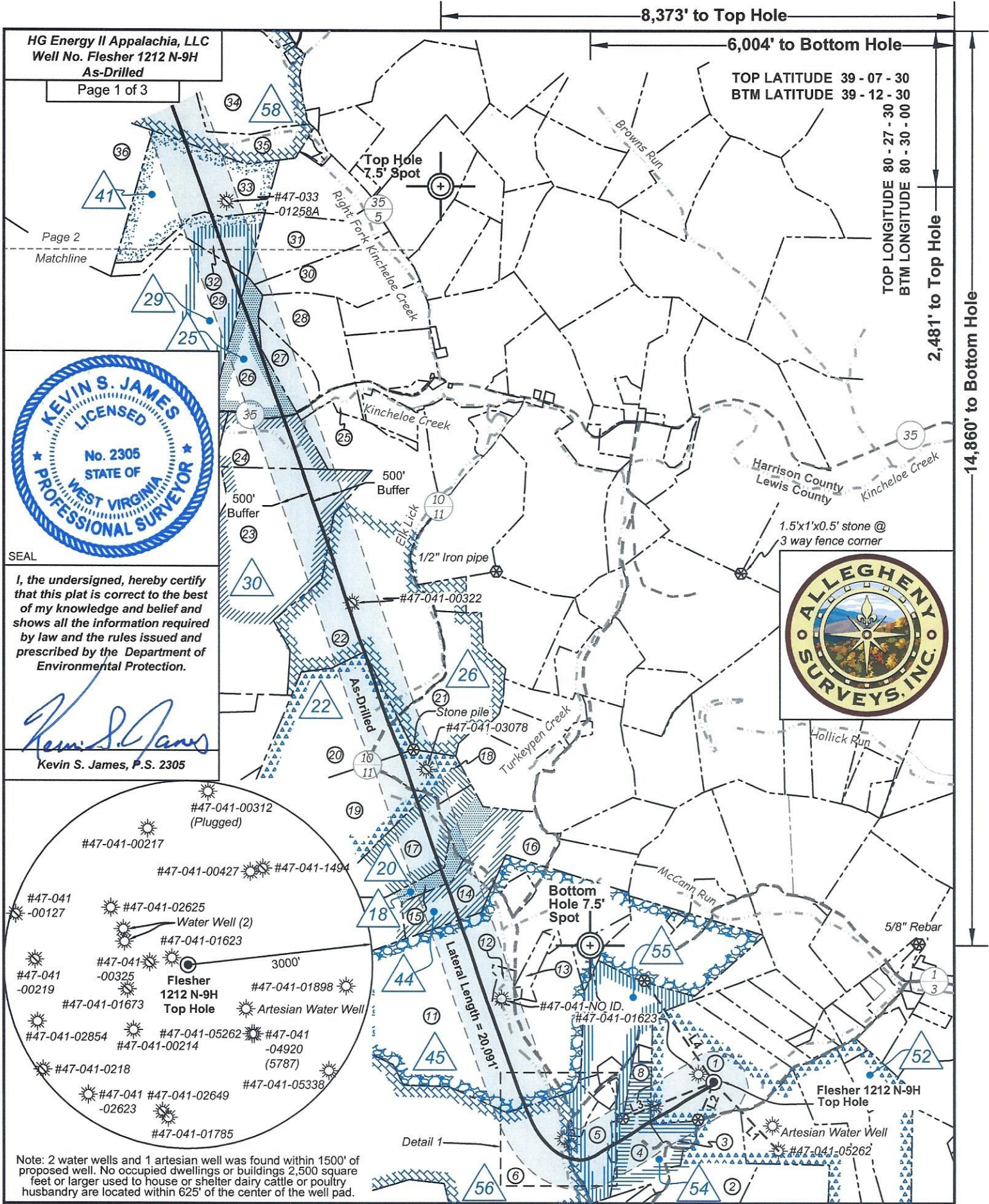
Lithology Record

Fletcher 1212 N-9H

Formation	Top MD	Top TVD	Base MD	Base TVD
Gas sand	655	655	856	856
1st salt sand	856	856	1028	1028
Coal	910	910	906	906
2nd salt sand	1030	1030	1123	1123
Deepest coal	1065	1065	1068	1068
3rd salt sand	1213	1213	1245	1245
Upper Maxton	1350	1350	1353	1353
Lower Maxton	1495	1495	1546	1546
Big Lime	1575	1568	1631	1631
Big Injun	1631	1631	1726	1726
Gantz (storage)	1910	1910	1967	1967
50' Sand	2017	2017	2027	2025
30' sand	2118	2118	2139	2139
Gordon Stray	2152	2151	2199	2198
Gordon/Forth Sand	2199	2198	2275	2274
5th Sand	2404	2403	2445	2444
Bayard	2483	2482	2513	2512
Warren	2783	2782	2802	2801
Speechley	3109	3107	3120	3118
Balltown	3317	3311	3393	3385
Bradford	3821	3785	3919	3870
Benson	4606	4406	4618	4416
Rhinestreet	6797	6027	7052	6215
Cashaqua	7052	6215	7339	6423
Middlesex	7339	6423	7477	6514
West River	7477	6514	7663	6624
Burket	7663	6624	7718	6651
Tully	7718	6651	7929	6749
Hamilton	7929	6749	8098	6801
Marcellus	8098	6801	28189	7301

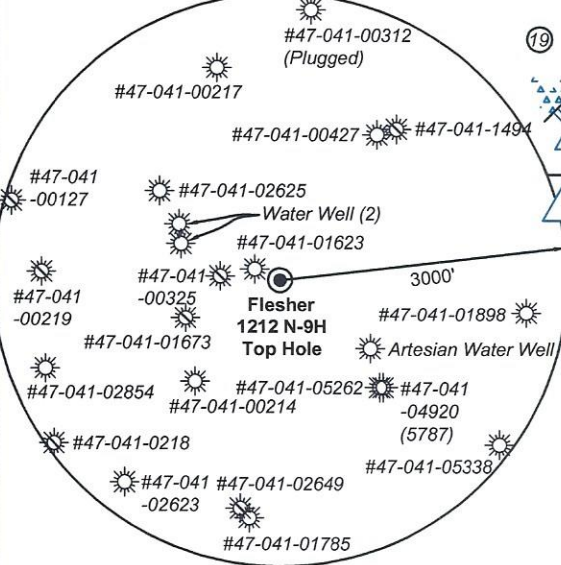
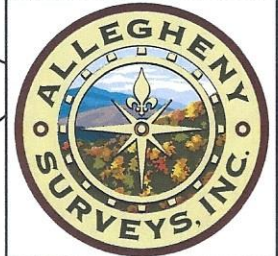
RECEIVED
Office Of Oil and Gas
FEB 21 2024
WV Department of
Environmental Protection

03/22/2024



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.

Kevin S. James
Kevin S. James, P.S. 2305



Note: 2 water wells and 1 artesian well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

FILE NO: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 N-9H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: January 19 2022
OPERATOR'S WELL NO. Flesher 1212 N-9H
API WELL NO
47 - 041 - 05713
STATE COUNTY PERMIT

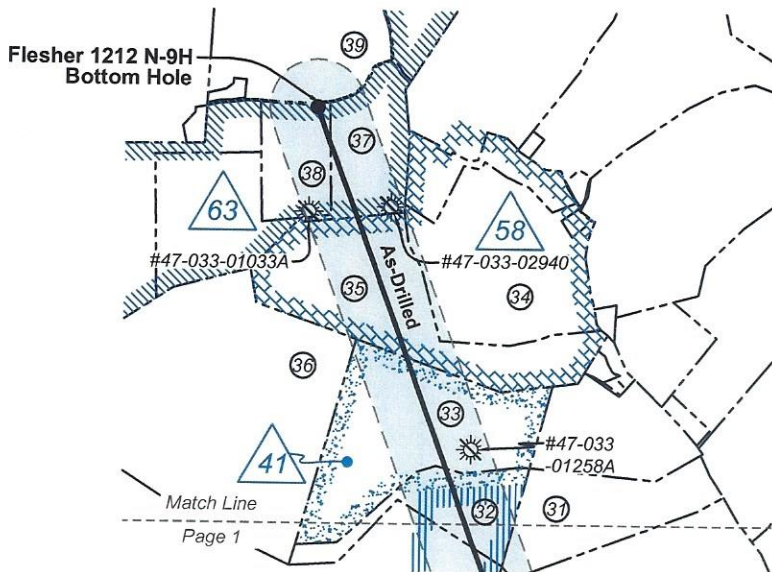
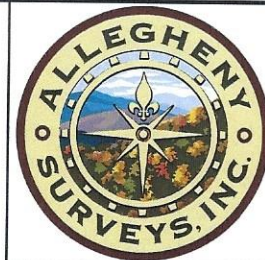
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: H.G. Energy II Appalachia, LLC
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: _____ ACREAGE: 210.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As Drilled Plat 7,300' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,189' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

03/22/2024

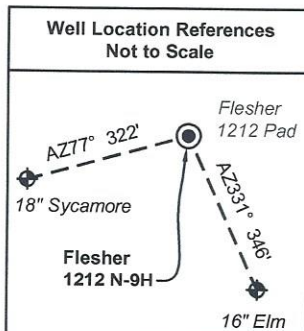
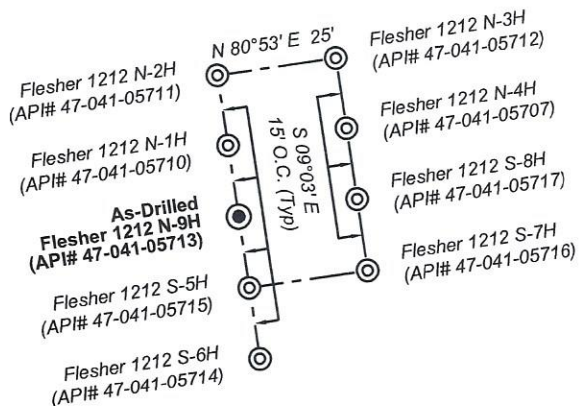


Notes: Well No. Flesher 1212 N-9H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'05.47" Latitude: 39°10'03.08"
Longitude: 80°29'16.27" Longitude: 80°31'16.26"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,027.145m N: 4,335,486.157m
E: 544,290.002m E: 541,379.543m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.

Notes:
Well No. Flesher 1212 N-9H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,206,097.39'
E: 1,785,724.78'
Landing Point Coordinates
N: 14,205,132.21'
E: 1,782,970.85'
Bottom Hole Coordinates
N: 14,224,007.50'
E: 1,776,176.05'

Tag	Bearing	Dist.	Description
L1	N 43°11' W	1,539.9'	#47-041-05262
L2	N 22°20' E	663.6'	1/2" Rebar
L3	N 68°00' E	1,594.4'	1" Iron pipe
L4	S 34°14' E	2,006.4'	5/8" Rebar

Wellhead Layout (NTS)



Well Location References Not to Scale		Legend	
	Proposed gas well		Well Reference, as noted
	Monument, as noted		Existing Well, as noted
	Digitized Well, as noted		Creek or Drain
	Creek or Drain		Existing Road
	Surface boundary (approx.)		Interior surface tracts (approx.)

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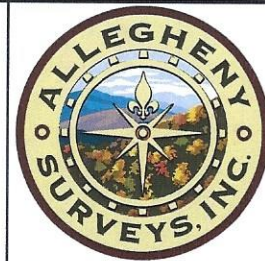
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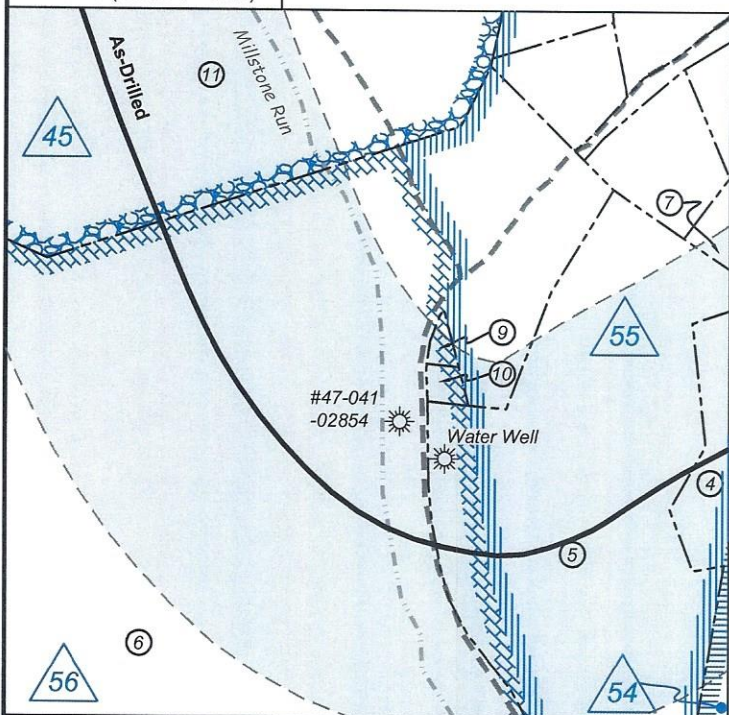
Btm: Big Isaac
QUADRANGLE: Top: Weston
COUNTY: Lewis
ACREAGE: 70.00
03/22/2024



ID	Lease
18	A.H. Reed, et al
20	A.H. Reed, et al
22	Carrie Dillin, et al
25	Lizzie B. Conley
26	Alvadore Hughes, et al
29	W.W. Paugh, et al
30	W.H. Coffindaffer, et al
41	Betty A. Coffindaffer, et al
44	A.H. Reed, et al
45	Edwin Gaston, et al
52	W.D. Hitt, et al
54	Pearle A. Norris, et al
55	J.S. Norris, et al
56	J.S. Norris
58	Robert W. Coffindaffer, et al
63	E.J. Rightmire, et ux

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 47	HG Energy II Appalachia, LLC	753 / 453	70.00
2	6C / 43	Gary Allen Sias	646 / 688	50.59
3	6C / 25.1	William Radtka & Helen Burton	655 / 681	5.85
4	6C / 25	Robert M. Painter	629 / 411	27.48
5	6C / 23.2	Michael & Laura Phillips	661 / 298	21.32
6	6C / 21	Thomas R. Zinn, et al	445 / 493	166.25
7	6C / 23.4	Richard G. Hayhurst, et ux	565 / 326	4.13
8	6C / 23	Richard G. & Loretta E. Hayhurst	566 / 357	34.80
9	6C / 23.1	Michael & Laura Phillips	661 / 298	0.16
10	6C / 23.9	Michael & Laura Phillips	661 / 298	0.25
11	6C / 22	Mann Family Trust	617 / 608	265.19
12	6C / 22.3	MannFarm, LLC	722 / 660	5.00
13	6C / 22.2	Stephen P. & Wendy T. Mann	718 / 175	5.97
14	6B / 12	Edward E. Garrett, et al	429 / 245	27.75
15	6B / 11	Edward E. Garrett, et al	429 / 245	30.00
16	6B / 13	Mann Family Trust	617 / 608	38.55
17	6B / 14	Edward E. Garrett, et al	429 / 245	30.00
18	6B / 16	Mann Family Trust	617 / 608	21.45
19	6B / 15	Edward E. Garrett, et al	429 / 245	30.75
20	6B / 18	Berlin Family Irrevocable Trust	743 / 893	100.00
21	6B / 19.1	Robert E. Brincefield, Jr. & Terri Lynne Trust, et al	578 / 630	52.00
22	6B / 21	Mark D. Roles	W50 / 769	195.91
23	6B / 3	Eric B. & Kathy A. Beevers	509 / 197	99.00

Detail 1 (Scale 1"=500')



Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
24	442 / 12	Eric & Kathy Beevers	1237 / 941	30.00
25	442 / 14	Jackie & Barbara Caplinger	1416 / 1052	12.00
26	442 / 11	Douglas L. & Donna S. Nolan	1478 / 929	34.13
27	442 / 13.1	Virginia E. Grogg	1379 / 1109	15.20
28	442 / 13	Kimberly S. Shaw	1544 / 132	34.02
29	442 / 10	Mike Ross Inc., et al	1590 / 158	64.53
30	422 / 38	Jody B. Ross & Dawn R. Price	1283 / 546	36.77
31	422 / 37	Jody B. Ross & Dawn R. Price	1283 / 546	34.70
32	422 / 34.1	Mark J. Coffindaffer, et al	W160 / 415	24.07
33	422 / 34	Terry Bostardi, et al	1617 / 374	66.56
34	422 / 18	Stephen J. & Freda P. Perkins	1258 / 66	61.60
35	422 / 16	Terry Bostardi, et al	1617 / 374	62.61
36	422 / 33	Mark J. Coffindaffer, et al	W160 / 415	125.75
37	422 / 15.1	Stephen J. & Freda P. Perkins	1560 / 347	61.48
38	422 / 15	Betty Jo Keister	1560 / 399	20.01
39	422 / 5	William L. & Sandra L. Coffindaffer	1018 / 715	65.29

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