

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

RECEIVED
Office Of Oil and Gas

FEB 21 2024

WV Department of
Environmental Protection

API 47-041-05711 County Lewis District Freemans Creek
Quad Weston Pad Name Flesher 1212 Field/Pool Name Kennedy
Farm name Flesher Well Number 1212 N2H
Operator (as registered with the OOG) HG Energy II Appalachia, 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 14206127.01 Easting 1785720.05
Landing Point of Curve Northing 14206088.68 Easting 1785219.09
Bottom Hole Northing 14221861.42 Easting 1779595.98

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 1/22/2021 Date drilling commenced 2/23/2021 Date drilling ceased 9/22/2021
Date completion activities began 12/15/2021 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

Terrell Reynolds 3-19-24

03/22/2024

API 47-041 - 05711

Farm name Flesher

Well number 1212 N2H

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"	1084	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2079	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2905	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	23763	New	23 lbs/ft P-11		Yes
Tubing							
Packer type and depth set							

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	Not Cemented						
Surface	Class A	2003	15.6	1.18	2364	surface	8
Coal							
Intermediate 1	Class A	1470/650	16.0/16.4	1.16/1.10	1705/715	surface	24
Intermediate 2	Class A	1062	15.6	1.19	1264	surface	8
Intermediate 3							
Production	Class A	308/520/3527	13.5/13.5/14.8	1.83/1.67/1.34	564/868/4726	surface	8
Tubing							

Drillers TD (ft) ²³⁸²⁰ _____

Loggers TD (ft) _____

Deepest formation penetrated Marcellus

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) ⁶¹³⁵ _____

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

RECEIVED
Office Of Oil and Gas

FEB 21 2024

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WV Department of
Environmental Protection

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

03/22/2024

HG Energy II Appalachia, LLC

Lithology Record

Fletcher 1212 N-2H

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	1569	1569	1631	1631
Big Injun	1631	1631	1724	1724
Gantz (storage)	1912	1212	1966	1966
50' Sand	2015	2015	2028	2027
30' sand	2120	2120	2139	2138
Gordon Stray	2154	2153	2198	2197
Gordon/Forth Sand	2198	2197	2273	2272
5th Sand	2400	2399	2442	2441
Bayard	2478	2477	2511	2510
Warren	2786	2785	2803	2802
Speechley	3108	3107	3120	3119
Balltown	3309	3308	3382	3381
Bradford	3786	3782	3856	3851
Benson	4418	4402	4429	4413
Rhinestreet	6063	6013	6300	6245
Cashaqua	6300	6245	6493	6431
Middlesex	6493	6431	6615	6541
West River	6615	6541	6745	6648
Burket	6745	6648	6779	6675
Tully	6779	6675	6922	6769
Hamilton	6922	6769	7051	6832
Marcellus	7051	6832	23820	7272

RECEIVED
Office Of Oil and Gas

FEB 21 2024

WV Department of
Environmental Protection

03/22/2024

FEB 21 2024

HG Energy II Appalachia, LLC
Fletcher 1212 N-2H
Perforation Record

WV Department of
Environmental Protection

Stage #	Date	Perforation from Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve/1	1/25/2022	23748	23721	2	Marcellus
2	1/25/2022	23687	23519	32	Marcellus
3	1/26/2022	23491	23323	32	Marcellus
4	1/26/2022	23295	23127	32	Marcellus
5	1/27/2022	23099	22931	32	Marcellus
6	1/27/2022	22903	22735	32	Marcellus
7	1/27/2022	22707	22539	32	Marcellus
8	1/28/2022	22511	22343	32	Marcellus
9	1/28/2022	22315	22147	32	Marcellus
10	1/28/2022	22119	21951	32	Marcellus
11	1/29/2022	21923	21755	32	Marcellus
12	1/29/2022	21727	21559	32	Marcellus
13	1/29/2022	21531	21363	32	Marcellus
14	1/30/2022	21335	21167	32	Marcellus
15	1/30/2022	21139	20971	32	Marcellus
16	1/30/2022	20943	20775	32	Marcellus
17	1/31/2022	20747	20579	32	Marcellus
18	1/31/2022	20551	20383	32	Marcellus
19	1/31/2022	20355	20187	32	Marcellus
20	2/1/2022	20159	19991	32	Marcellus
21	2/1/2022	19963	19795	32	Marcellus
22	2/1/2022	19767	19599	32	Marcellus
23	2/1/2022	19571	19403	32	Marcellus
24	2/2/2022	19375	19207	32	Marcellus
25	2/2/2022	19179	19011	32	Marcellus
26	2/2/2022	18983	18815	32	Marcellus
27	2/3/2022	18787	18619	32	Marcellus
28	2/3/2022	18591	18423	32	Marcellus
29	2/3/2022	18395	18227	32	Marcellus
30	2/4/2022	18199	18031	32	Marcellus
31	2/4/2022	18003	17835	32	Marcellus
32	2/4/2022	17807	17639	32	Marcellus
33	2/5/2022	17611	17443	32	Marcellus
34	2/5/2022	17415	17247	32	Marcellus
35	2/5/2022	17219	17051	32	Marcellus
36	2/6/2022	17023	16855	32	Marcellus
37	2/6/2022	16827	16659	32	Marcellus
38	2/6/2022	16631	16463	32	Marcellus
39	2/7/2022	16435	16267	32	Marcellus
40	2/7/2022	16239	16071	32	Marcellus
41	2/7/2022	16043	15875	32	Marcellus
42	2/8/2022	15847	15679	32	Marcellus
43	2/8/2022	15651	15483	32	Marcellus
44	2/8/2022	15455	15287	32	Marcellus
45	2/8/2022	15259	15091	32	Marcellus
46	2/9/2022	15063	14895	32	Marcellus
47	2/9/2022	14867	14699	32	Marcellus
48	2/9/2022	14671	14503	32	Marcellus
49	2/9/2022	14475	14307	32	Marcellus
50	2/10/2022	14279	14111	32	Marcellus
51	2/10/2022	14084	13916	32	Marcellus
52	2/10/2022	13890	13722	32	Marcellus
53	2/10/2022	13696	13528	32	Marcellus

03/22/2024

54	2/11/2022	13502	13334	32	Marcellus
55A	2/11/2022	13308	13140	32	Marcellus
55B	2/11/2022	13308	13108	60	Marcellus
56	2/12/2022	13081	12927	32	Marcellus
57	2/12/2022	12901	12747	32	Marcellus
58	2/12/2022	12726	12558	32	Marcellus
59	2/12/2022	12532	12364	32	Marcellus
60	2/13/2022	12338	12170	32	Marcellus
61	2/13/2022	12144	11976	32	Marcellus
62	2/13/2022	11950	11782	32	Marcellus
63	2/14/2022	11756	11588	32	Marcellus
64	2/14/2022	11562	11394	32	Marcellus
65	2/15/2022	11368	11200	32	Marcellus
66	2/15/2022	11174	11006	32	Marcellus
67	2/16/2022	10980	10812	32	Marcellus
68	2/16/2022	10786	10618	32	Marcellus
69	2/17/2022	10592	10424	32	Marcellus
70	2/17/2022	10398	10230	32	Marcellus
71	2/18/2022	10204	10036	32	Marcellus
72	2/18/2022	10010	9842	32	Marcellus
73	2/19/2022	9816	9648	32	Marcellus
74	2/19/2022	9622	9454	32	Marcellus
75	2/20/2022	9428	9260	32	Marcellus
76	2/20/2022	9234	9066	32	Marcellus
77	2/20/2022	9040	8872	32	Marcellus
78	2/20/2022	8846	8678	32	Marcellus
79	2/21/2022	8652	8484	32	Marcellus
80	2/21/2022	8458	8290	32	Marcellus
81	2/21/2022	8264	8096	32	Marcellus
82	2/22/2022	8070	7902	32	Marcellus
83	2/22/2022	7876	7708	32	Marcellus
84	2/22/2022	7682	7514	32	Marcellus
85	2/22/2022	7488	7320	32	Marcellus
86	2/23/2022	7294	7126	32	Marcellus

RECEIVED
Office Of Oil and Gas

FEB 21 2024

WV Department of
Environmental Protection

03/22/2024

HG Energy II Appalachia, LLC

Fletcher 1212 N-2H

Stimulation Record

RECEIVED
Office Of Oil and Gas

FEB 21 2024

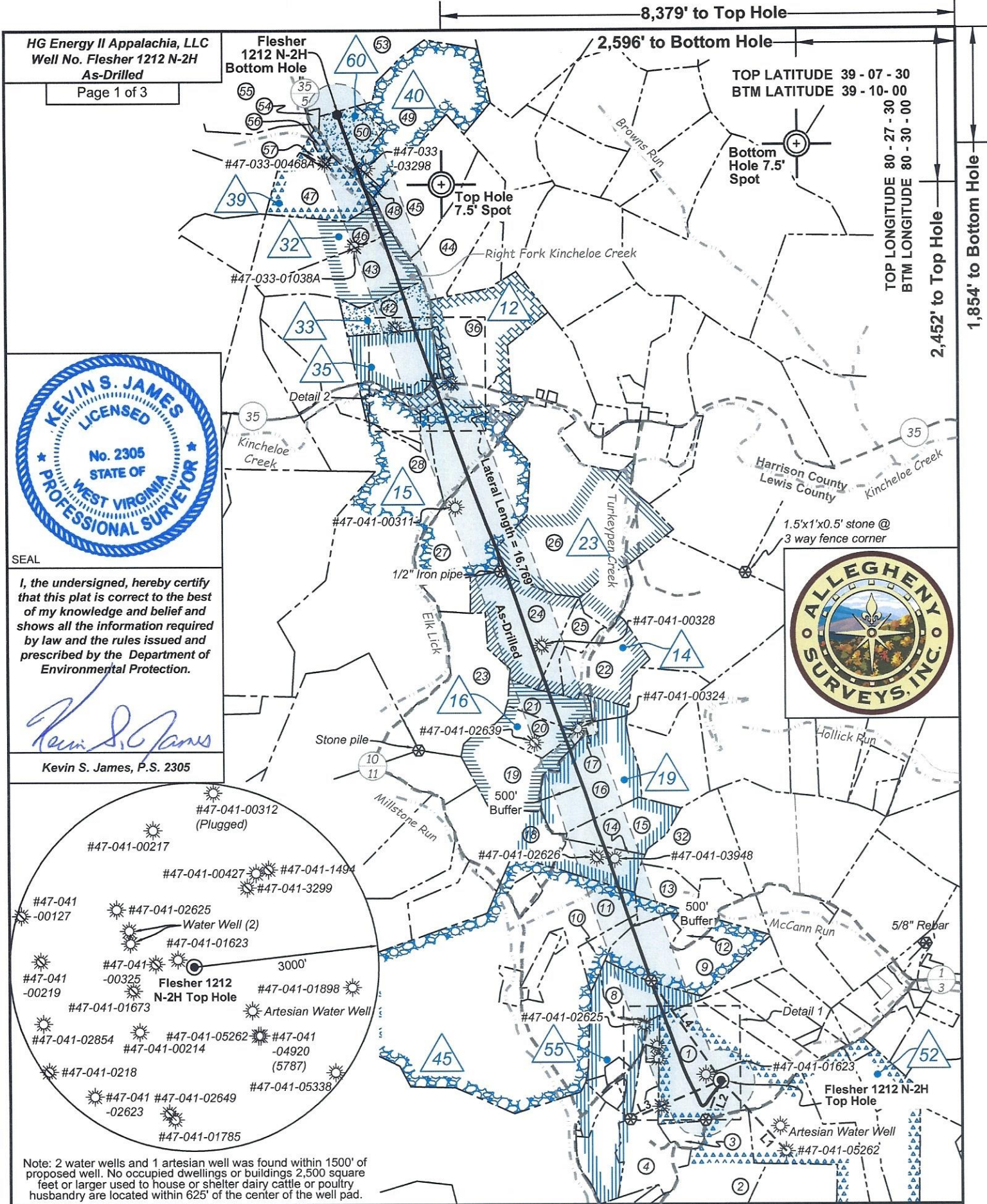
Stage #	Date	Avg pump rate (BPM)	Avg Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	WV Department of Environmental Protection Proppant (LBS)	Water (BBLs)
Sleeve/1	1/25/2022	75.4	9160	12500	4189	270580	7,969
2	1/25/2022	79.0	9,406	6,770	5,178	700100	14,737
3	1/26/2022	88.9	10,007	N/A	5,086	700050	14,920
4	1/26/2022	85.4	10,103	6,037	5,659	663980	12,631
5	1/27/2022	83.0	9,846	6,491	6,550	702170	12,817
6	1/27/2022	86.0	10,324	6,869	4,839	384900	10,195
7	1/27/2022	90.0	10,033	5,796	6,422	702400	13,211
8	1/28/2022	88.7	9,796	6,293	5,317	701980	12,875
9	1/28/2022	91.7	10,181	6,474	5,536	490960	9,570
10	1/28/2022	94.0	10,189	N/A	5,475	604800	11,039
11	1/29/2022	84.2	9,812	6,231	4,200	688283	12,659
12	1/29/2022	88.0	9,466	5,712	5,520	697800	11,638
13	1/29/2022	89.0	9,849	5,435	5,154	704900	11,506
14	1/30/2022	82.2	9,637	6,660	4,608	635792	13,138
15	1/30/2022	92.0	9,940	5,980	4,900	704100	11,764
16	1/30/2022	89.9	9,840	5,688	5,925	703200	11,739
17	1/31/2022	85.0	9,333	5,868	4,516	705000	13,179
18	1/31/2022	95.0	10,083	5,680	5,477	692100	11,599
19	1/31/2022	93.0	9,845	5,753	5,873	705000	11,690
20	2/1/2022	95.8	10,106	5,843	4,839	705000	13,293
21	2/1/2022	94.0	10,187	6,224	5,672	603030	11,036
22	2/1/2022	82.0	9,958	6,134	5,516	367700	9,624
23	2/1/2022	94.0	10,015	5,376	5,624	705500	9,844
24	2/2/2022	88.6	10,267	6,002	4,957	420530	9,540
25	2/2/2022	89.0	9,530	5,414	5,829	672000	9,603
26	2/2/2022	83.5	9,604	5,505	4,915	705320	12,471
27	2/3/2022	101.0	9,976	3,030	5,620	705400	11,612
28	2/3/2022	99.0	9,576	4,068	4,872	705410	9,854
29	2/3/2022	100.0	9,901	5,356	5,139	660120	10,772
30	2/4/2022	102.0	10,199	5,428	4,765	615280	10,794
31	2/4/2022	102.0	9,986	5,477	6,031	618372	10,575
32	2/4/2022	100.0	9,492	5,646	4,341	704397	10,891
33	2/5/2022	92.0	10,323	5,686	4,961	564963	11,337
34	2/5/2022	102.0	9,677	5,423	5,394	660960	10,636
35	2/5/2022	102.0	9,738	5,724	5,010	634140	9,289
36	2/6/2022	102.9	10,015	5,492	4,873	685360	10,950
37	2/6/2022	100.0	9,889	5,741	4,329	704800	12,561
38	2/6/2022	99.0	9,826	6,072	4,690	705123	10,994
39	2/7/2022	101.2	10,020	6,565	5,344	705200	11,325
40	2/7/2022	103.0	9,905	5,548	5,086	705120	9,660
41	2/7/2022	104.0	9,593	5,561	5,071	705198	9,854
42	2/8/2022	103.6	9,646	5,852	5,085	704800	9,738
43	2/8/2022	105.2	9,531	5,640	5,036	703240	9,788
44	2/8/2022	108.0	9,813	5,664	5,362	705103	9,643
45	2/8/2022	105.0	9,157	4,208	5,569	705087	9,776
46	2/9/2022	107.9	9,927	5,690	5,196	705170	9,953
47	2/9/2022	107.6	9,897	5,068	5,397	703060	9,884
48	2/9/2022	107.0	9,903	5,989	5,326	697660	9,715
49	2/9/2022	101.0	9,309	6,043	5,340	705000	9,659
50	2/10/2022	100.7	9,649	5,913	5,198	705000	13,728
51	2/10/2022	106.6	9,783	5,579	5,413	705350	9,707
52	2/10/2022	108.0	9,819	5,775	5,125	705300	9,881
53	2/10/2022	102.0	9,062	6,102	5,033	705000	9,624
54	2/11/2022	109.0	9,435	5,850	5,179	705000	9,882
55A	2/11/2022	86.0	10,032	4,178	5,371	4840	2,579

03/22/2024

55B	2/11/2022	110.0	9,114	4,178	4,822	705160	10,885
56	2/12/2022	109.0	9,793	6,201	4,916	705000	9,767
57	2/12/2022	108.0	9,837	6,377	5,044	705200	9,804
58	2/12/2022	109.0	9,328	5,858	5,359	705000	11,143
59	2/12/2022	102.0	8,759	6,160	5,016	705000	9,867
60	2/13/2022	109.0	9,516	5,846	5,376	705800	11,026
61	2/13/2022	109.0	9,546	5,419	4,486	705300	9,546
62	2/13/2022	109.0	8,799	6,015	5,155	705000	9,979
63	2/14/2022	109.0	9,348	5,601	4,940	605200	9,366
64	2/14/2022	104.0	9,303	6,293	4,310	705000	11,806
65	2/15/2022	110.0	8,896	5,770	5,307	703600	9,781
66	2/15/2022	98.0	8,626	6,359	5,022	715000	11,136
67	2/16/2022	110.0	8,805	5,815	5,453	705100	9,654
68	2/16/2022	111.0	9,170	6,422	5,212	429992	7,943
69	2/17/2022	110.0	9,080	6,119	5,624	705000	10,065
70	2/17/2022	108.1	9,181	6,256	5,187	705000	9,444
71	2/18/2022	109.0	8,857	5,835	5,218	705000	9,535
72	2/18/2022	107.0	9,212	6,181	5,548	661950	10,603
73	2/19/2022	100.4	9,145	6,178	5,454	706200	10,748
74	2/19/2022	107.0	10,013	6,450	4,945	705000	9,361
75	2/20/2022	109.0	8,908	5,808	5,417	740200	9,430
76	2/20/2022	109.0	9,105	6,400	5,416	567400	9,743
77	2/20/2022	103.9	8,723	6,538	5,312	705000	11,298
78	2/20/2022	102.0	8,830	6,241	4,609	705000	10,507
79	2/21/2022	108.8	8,801	6,108	5,294	705120	9,685
80	2/21/2022	107.9	8,648	6,348	5,515	705220	9,565
81	2/21/2022	109.0	8,832	5,327	5,570	705000	9,359
82	2/22/2022	110.6	8,660	6,377	5,403	740000	10,889
83	2/22/2022	107.0	8,353	4,145	4,760	705191	9,589
84	2/22/2022	110.0	8,139	3,969	4,883	705000	9,587
85	2/22/2022	110.0	8,598	6,056	5,680	705000	9,377
86	2/23/2022	108.7	8,023	5,780	6,191	705120	9,409

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

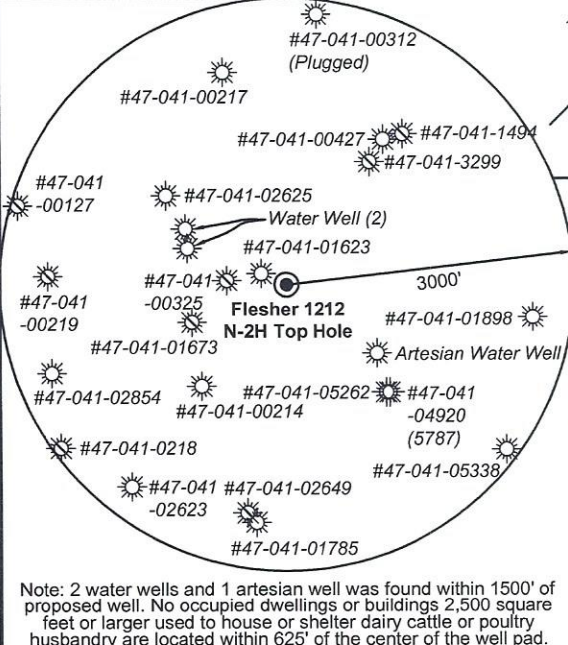
03/22/2024



HG Energy II Appalachia, LLC
Well No. Flesher 1212 N-2H
As-Drilled
Page 1 of 3



SEAL
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.

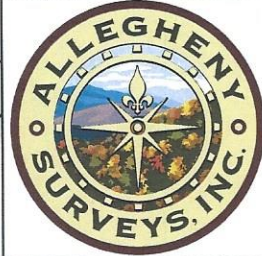
FILE NO: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 N-2H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

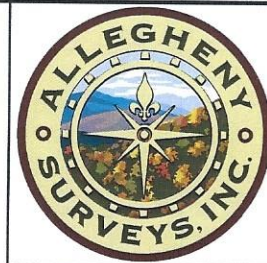
DATE: January 19 2022
OPERATOR'S WELL NO. Flesher 1212 N-2H
API WELL NO
47 - 041 - 05711
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Btm: Big Isaac Top: Weston
DISTRICT: Freemans Creek COUNTY: Lewis
SURFACE OWNER: H.G. Energy II Appalachia, LLC ACREAGE: 70.00
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 7.272' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,820' 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



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 / 23.8	Richard G. & Loretta E. Hayhurst	673 / 69	1.19
6	6C / 23.11	Richard G. & Loretta E. Hayhurst	718 / 245	2.53
7	6C / 23.3	Richard G. & Loretta E. Hayhurst	566 / 470	19.37
8	6C / 23	Richard G. & Loretta E. Hayhurst	566 / 357	34.80
9	6C / 61	Mann Family Trust	617 / 608	49.91
10	6C / 58	Mann Family Trust	617 / 608	7.62
11	6C / 22	Mann Family Trust	617 / 608	265.19
12	6C / 61.1	Susanne Mann & Theodore W. Lanoutte	702 / 38	5.00
13	6B / 30.1	Theodore & Mary C. Eldridge	561 / 257	11.75
14	6B / 31	Mann Family Trust	617 / 608	17.00
15	6B / 32	Mann Family Trust	617 / 608	23.00
16	6B / 33	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	50.05
17	6B / 33.1	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	2.20
18	6B / 13	Mann Family Trust	617 / 608	38.55
19	6B / 28	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	31.00
20	6B / 27	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	14.00
21	6B / 26	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	14.00
22	6B / 36	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	28.00
23	6B / 19.1	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	52.00
24	6B / 25	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	45.00
25	6B / 24	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	11.15
26	6B / 22	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	99.46
27	6B / 21.1	Robert E. Brincefield Jr. & Terri Lynne Trust, et al	578 / 630	44.00
28	6B / 21	Mark D. Roles	W50 / 769	195.91
29	6B / 50	Jackie & Barbara Caplinger	623 / 445	10.49
30	6B / 21.2	Mark D. & Betty Roles	557 / 627	25.47
31	6B / 21.3	Margaret E. Roles	W50 / 769	6.63
32	6B / 30	Theodore & Mary C. Eldridge	561 / 257	38.16

ID	Lease
12	Mary Post Davis, et al
14	Fannie M. Hughes, et al
15	Alvadore Hughes, et al
16	Henry Frashuer, et al
19	A.R. Frashuer, et al
23	A.C. Thrash, et al
32	W.H. Coffindaffer, et al
33	J.M. Beeghley, et ux
35	Daisy Lynch, et al
39	Robert Max McDonald, Trustee
40	Loxie V. McClung, et al
45	Edwin Gaston, et al
52	W.D. Hitt, et al
55	J.S. Norris, et al
60	Agnes J. Coffindaffer, et al

Harrison Co. - Union-Outside Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
33	443 / 8.2	Estella Breise	W197 / 1310	10.00
34	443 / 18	Glenville N. Potts, et ux	677 / 212	0.10
35	443 / 8.1	Estella Breise	W197 / 1310	0.70
36	443 / 8	Amanda Braimantyer	W197 / 1310	53.40
37	443 / 3	Kyle & Luann Baker	1369 / 45	1.00
38	443 / 2.1	Bernard & Darlene Baird	1200 / 919	1.62
39	443 / 2	Lou Ann Baker	1307 / 1155	26.54
40	443 / 6	Amanda Braimantyer	W197 / 1310	0.60
41	443 / 7	Amanda Braimantyer	W197 / 1310	0.57
42	443 / 1	Lou Ann Baker	1323 / 1089	25.14
43	422 / 38	Jody Ross & Dawn Price	1283 / 546	36.77
44	423 / 23	Jeffery & Anessa Griffith	1313 / 1245	25.10
45	423 / 13	Jeffery & Anessa Griffith	1313 / 1245	45.10
46	422 / 37	Jody Ross & Dawn Price	1283 / 546	34.70
47	422 / 35	Jody Ross & Dawn Price	1283 / 546	31.16
48	422 / 36	Sherry D. Baldwin, et al	1531 / 944	2.20
49	423 / 12	Sherry D. Baldwin	1531 / 944	65.39
50	422 / 21	Jeffery & Anessa Griffith	1314 / 173	15.76
51	443 / 5	Amanda Braimantyer	W197 / 1310	0.47
52	443 / 4	Glenville N. Potts, et ux	677 / 212	0.48
53	423 / 11	William L. & Sandra L. Coffindaffer	1157 / 151	94.00
54	422 / 19	William L. & Sandra L. Coffindaffer	1335 / 1091	1.00
55	422 / 18	Stephen J. & Freda P. Perkins	1258 / 66	61.60
56	422 / 20	Jody B. Ross & Dawn R. Price	1283 / 546	1.97
57	422 / 20.1	Brittany Ross & Vince Miller	1482 / 996	1.70

FILE NO: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 N-2H 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-2H
API WELL NO
47 - 041 - 05711
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

Btm: Big Isaac
QUADRANGLE: Top: Weston

DISTRICT: Freemans Creek

COUNTY: Boone

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,272' TVD 23,820' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

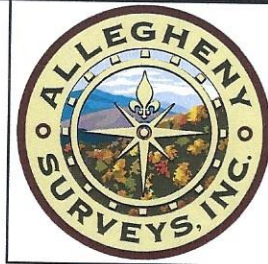
DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

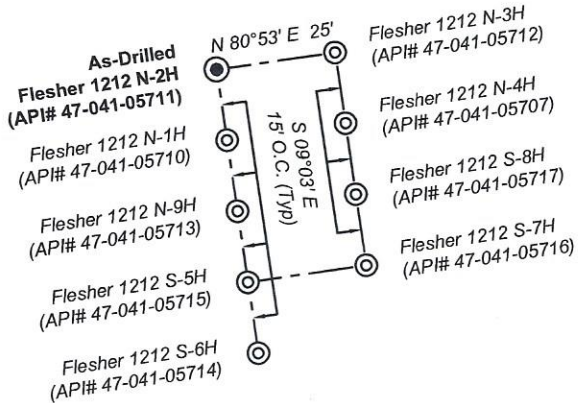
Parkersburg, WV 26101



Notes: Well No. Flesher 1212 N-2H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'05.77" Longitude: 80°29'16.33" Latitude: 39°09'41.68" Longitude: 80°30'32.97"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,036.173m E: 544,288.559m N: 4,334,832.030m E: 542,421.940m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

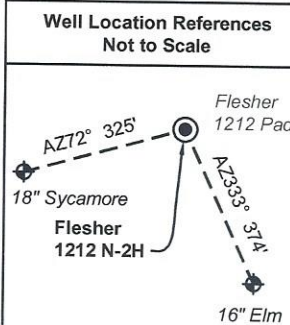
Notes:
Well No. Flesher 1212 N-2H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,206,127.01' E: 1,785,720.05'
Landing Point Coordinates
N: 14,206,088.68' E: 1,785,219.09'
Bottom Hole Coordinates
N: 14,221,861.42' E: 1,779,595.98'

Wellhead Layout (NTS)



Tag	Bearing	Dist.	Description
L1	N 42°34' W	1,564.9'	#47-041-05262
L2	N 21°02' E	689.3'	1/2" Rebar
L3	N 66°57' E	1,601.4'	1" Iron pipe
L4	S 34°37' E	1,979.3'	5/8" Rebar

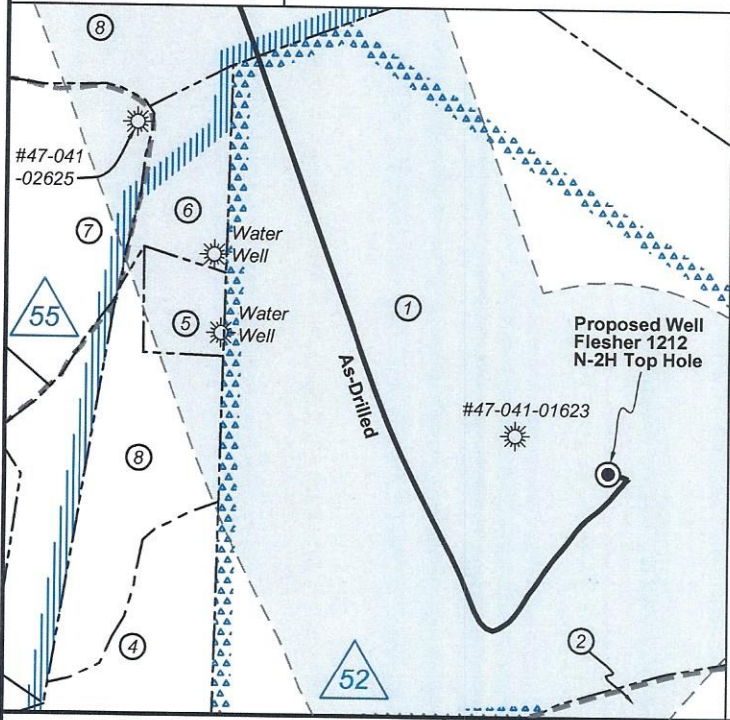
Well Location References Not to Scale



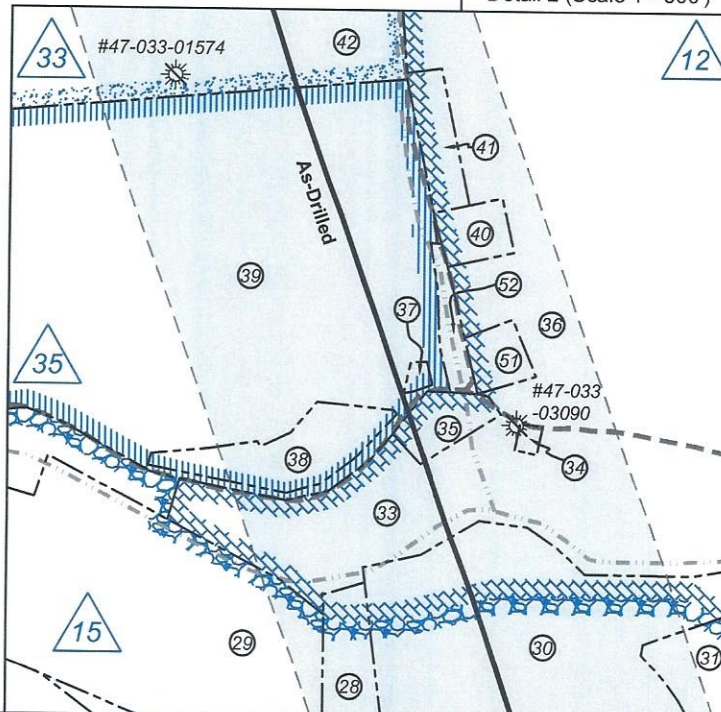
Legend

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

Detail 1 (Scale 1"=500')



Detail 2 (Scale 1"=500')



FILE NO: 156-36-12-U-F-19
DRAWING NO: Flesher 1212 N-2H 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-2H
API WELL NO
47 - 041 - 05711
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

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,820' MD

Btm: Big Isaac
QUADRANGLE: Top: Weston

COUNTY: Putnam
ACREAGE: 70.00

LEASE NO: ACREAGE: 210.00

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

05/22/2024