

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

API 47 - 041 - 05705 County Lewis District Freemans Creek
Quad West Milford Pad Name McDonald 1211 Field/Pool Name Kennedy
Farm name McDonald Well Number 1211 S8H
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 4331780.077 Easting 545442.434
Landing Point of Curve Northing 4331621 Easting 545177
Bottom Hole Northing 4325688.052 Easting 547283.268

Elevation (ft) 1265 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 03/09/2020 Date drilling commenced 11/21/2020 Date drilling ceased 5/17/2021
Date completion activities began 6/20/2021 Date completion activities ceased 10/30/2021
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 Not observed 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 425,508,992,1000,1032 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

APPROVED

Kenneth Reynolds

05/31/2024
5-9-24

API 47-041 - 05705 Farm name McDonald Well number 1211 S8H

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"	120	New	154.5 lbs/ft		N
Surface	26"	20"	1064	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2034	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2792	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	28083	New	23 lbs/ft P-110 HP		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	2046	15.6	1.18	2414	Surface	8
Coal							
Intermediate 1	Class A	1512/662	15.4/15.9	1.24/1.17	1875/774	Surface	24
Intermediate 2	Class A	1090	15.6	1.19	1297	Surface	8
Intermediate 3							
Production	Class A	310/497/380/4384	13.5/13.5/13.5/14.8	1.82/1.67/1.48/1.35	564/830/562/5918	Surface	8
Tubing							

Drillers TD (ft) ²⁸¹²⁰ _____ Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁵⁸³³ _____

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
JAN 29 2024

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WV Department of
Environmental Protection

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

05/31/2024

API 47- 041 - 05705 Farm name McDonald Well number 1211 S8H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6826-7057</u> TVD	<u>7447-28120</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2516 psi Bottom Hole _____ psi DURATION OF TEST 607 hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
24072 mcfpd _____ bpd _____ bpd 720 bpd Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
		See Attached			
					RECEIVED Office of Oil and Gas
					JAN 29 2024

Please insert additional pages as applicable.

RECEIVED
Office of Oil and Gas
JAN 29 2024
WV Department of
Environmental Protection

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 1/25/24

HG Energy II Appalachia, LLC
McDonald 1211 S-8H
Perforation Record

Stage #	Perforation Date	Perforation From Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve / 1		28030	28004	2	Marcellus
2	8/16/2021	27939	27828	54	Marcellus
3	8/17/2021	27774	27606	28	Marcellus
4	8/17/2021	27578	27410	28	Marcellus
5	8/17/2021	27382	27214	28	Marcellus
6	8/18/2021	27186	27018	28	Marcellus
7	8/18/2021	26990	26822	28	Marcellus
8	8/19/2021	26794	26626	28	Marcellus
9	8/19/2021	26598	26430	28	Marcellus
10	8/19/2021	26402	26234	28	Marcellus
11	8/20/2021	26206	26038	28	Marcellus
12	8/20/2021	26010	25842	28	Marcellus
13	8/20/2021	25814	25646	28	Marcellus
14	8/21/2021	25618	25450	28	Marcellus
15	8/21/2021	25422	25254	28	Marcellus
16	8/22/2021	25226	25058	28	Marcellus
17	8/23/2021	25030	24862	28	Marcellus
18	8/23/2021	24834	24666	28	Marcellus
19	8/23/2021	24638	24470	28	Marcellus
20	8/24/2021	24442	24274	28	Marcellus
21	8/24/2021	24246	24078	28	Marcellus
22	8/24/2021	24050	23882	28	Marcellus
23	8/25/2021	23854	23686	28	Marcellus
24	8/25/2021	23658	23490	28	Marcellus
25	8/25/2021	23462	23294	28	Marcellus
26	8/26/2021	23266	23098	28	Marcellus
27	8/26/2021	23070	22902	28	Marcellus
28	8/27/2021	22874	22706	28	Marcellus
29	8/27/2021	22678	22510	28	Marcellus
30	8/27/2021	22482	22314	28	Marcellus
31	8/28/2021	22286	22118	28	Marcellus
32	8/28/2021	22090	21922	28	Marcellus
33	8/28/2021	21894	21726	28	Marcellus
34	8/29/2021	21698	21530	28	Marcellus
35	8/29/2021	21502	21334	28	Marcellus
36	8/29/2021	21306	21138	28	Marcellus
37	8/30/2021	21110	20942	28	Marcellus
38	8/30/2021	20914	20746	28	Marcellus
39	8/30/2021	20718	20550	28	Marcellus
40	8/31/2021	20522	20354	28	Marcellus
41	8/31/2021	20326	20158	28	Marcellus
42	8/31/2021	20130	19962	28	Marcellus
43	9/1/2021	19934	19766	28	Marcellus
44	9/1/2021	19738	19570	28	Marcellus
45	9/1/2021	19542	19374	28	Marcellus
46	9/1/2021	19346	19178	28	Marcellus
47	9/2/2021	19150	18982	28	Marcellus
48	9/2/2021	18954	18786	28	Marcellus
49	9/2/2021	18758	18590	28	Marcellus
50	9/3/2021	18562	18394	28	Marcellus
51	9/3/2021	18366	18198	28	Marcellus
52	9/4/2021	18170	18002	28	Marcellus
53	9/4/2021	17974	17806	28	Marcellus
54	9/4/2021	17778	17610	28	Marcellus
55	9/5/2021	17582	17414	28	Marcellus
56	9/5/2021	17386	17218	28	Marcellus
57	9/5/2021	17190	17022	28	Marcellus
58	9/6/2021	16994	16826	28	Marcellus
59	9/6/2021	16798	16630	28	Marcellus
60	9/6/2021	16603	16435	28	Marcellus

RECEIVED
Office of Oil and Gas
JAN 29 2024
WV Department of
Environmental Protection

05/31/2024

61	9/7/2021	16409	16241	28	Marcellus
62	9/7/2021	16215	16047	28	Marcellus
63	9/7/2021	16021	15853	28	Marcellus
64	9/8/2021	15827	15659	28	Marcellus
65	9/8/2021	15633	15465	28	Marcellus
66	9/8/2021	15439	15271	28	Marcellus
67	9/9/2021	15245	15077	28	Marcellus
68	9/9/2021	15051	14883	28	Marcellus
69	9/9/2021	14857	14689	28	Marcellus
70	9/10/2021	14663	14495	28	Marcellus
71	9/10/2021	14468	14300	28	Marcellus
72	9/10/2021	14272	14104	28	Marcellus
73	9/10/2021	14076	13908	28	Marcellus
74	9/11/2021	13880	13712	28	Marcellus
75	9/11/2021	13684	13516	28	Marcellus
76	9/12/2021	13488	13320	28	Marcellus
77	9/12/2021	13292	13124	28	Marcellus
78	9/12/2021	13096	12928	28	Marcellus
79	9/12/2021	12901	12733	28	Marcellus
80	9/13/2021	12707	12539	28	Marcellus
81	9/13/2021	12513	12345	28	Marcellus
82	9/13/2021	12319	12151	28	Marcellus
83	9/14/2021	12125	11957	28	Marcellus
84	9/14/2021	11931	11763	28	Marcellus
85	9/14/2021	11737	11569	28	Marcellus
86	9/14/2021	11543	11375	28	Marcellus
87	9/15/2021	11349	11181	28	Marcellus
88	9/15/2021	11155	10987	28	Marcellus
89	9/15/2021	10961	10793	28	Marcellus
90	9/16/2021	10767	10599	28	Marcellus
91	9/16/2021	10573	10405	28	Marcellus
92	9/16/2021	10379	10211	28	Marcellus
93	9/17/2021	10185	10017	28	Marcellus
94	9/17/2021	9991	9823	28	Marcellus
95	9/18/2021	9797	9629	28	Marcellus
96	9/19/2021	9603	9435	28	Marcellus
97	9/20/2021	9409	9241	28	Marcellus
98	9/20/2021	9215	9047	28	Marcellus
99	9/21/2021	9021	8853	32	Marcellus
100	9/22/2021	8827	8659	32	Marcellus
101	9/22/2021	8633	8465	32	Marcellus
102	9/23/2021	8439	8271	32	Marcellus
103	9/23/2021	8248	8077	32	Marcellus
104	9/24/2021	8051	7883	32	Marcellus
105	9/24/2021	7857	7689	32	Marcellus
106	9/24/2021	7667	7523	28	Marcellus

RECEIVED
Office of Oil and Gas
JAN 29 2024
WV Department of
Environmental Protection

05/31/2024

HG Energy II Appalachia, LLC
Stimulation Record - McDonald 1211 S-8H

Stage #	Date	Average Pump Rate (BPM)	Average Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve / 1						0	731
2	8/16/2021	18.7	9,548	7,823	5,623	0	1,711
3	8/17/2021	74.0	9,857	8,008	4,582	465120	12,505
4	8/17/2021	77.0	9,820	8,284	4,870	692290	14,493
5	8/17/2021	78.0	9,521	6,897	4,689	700000	15,537
6	8/18/2021	78.8	9,636	8,391	6,739	677060	15,183
7	8/18/2021	75.0	10,117	6,667	4,490	128000	8,009
8	8/19/2021	77.2	10,026	6,846	4,248	387310	9,996
9	8/19/2021	75.0	10,234	7,665	4,484	129100	6,440
10	8/19/2021	79.0	10,059	5,776	4,391	620900	12,497
11	8/20/2021	76.0	10,078	6,300	4,904	536260	14,100
12	8/20/2021	82.0	10,042	7,171	5,589	612500	12,616
13	8/20/2021	82.0	9,852	5,425	5,261	659700	12,654
14	8/21/2021	78.3	9,979	6,251	5,090	702600	14,456
15	8/21/2021	82.7	10,017	7,046	5,009	705500	12,988
16	8/22/2021	85.0	9,885	7,317	5,186	702400	12,837
17	8/23/2021	81.0	9,810	7,195	5,315	699500	12,059
18	8/23/2021	84.7	10,108	7,495	4,687	702850	11,754
19	8/23/2021	87.0	9,968	7,325	5,089	699580	12,632
20	8/24/2021	87.0	10,247	6,353	5,358	700447	10,273
21	8/24/2021	83.5	10,188	6,683	4,797	695820	9,948
22	8/24/2021	86.0	10,313	6,351	4,978	695174	12,561
23	8/25/2021	81.6	10,289	6,451	4,905	707012	10,082
24	8/25/2021	80.6	10,270	5,649	4,615	634720	9,669
25	8/25/2021	83.3	10,224	5,953	4,727	520620	9,748
26	8/26/2021	77.7	10,072	6,654	5,005	389602	8,115
27	8/26/2021	83.0	10,094	5,793	4,312	705160	11,921
28	8/27/2021	73.9	9,849	6,562	5,252	719960	12,495
29	8/27/2021	81.4	9,734	7,027	5,350	729601	11,961
30	8/27/2021	78.0	10,165	5,788	4,590	720360	11,846
31	8/28/2021	82.0	9,964	6,573	4,969	636464	11,906
32	8/28/2021	82.0	9,830	6,448	4,315	720584	11,883
33	8/28/2021	78.8	9,804	5,009	5,485	632208	9,822
34	8/29/2021	82.0	9,952	6,316	5,110	681815	9,623
35	8/29/2021	74.3	9,727	6,630	4,435	720006	12,196
36	8/29/2021	79.4	9,916	6,283	4,681	700390	12,177
37	8/30/2021	69.4	9,996	6,284	5,656	538420	12,950
38	8/30/2021	77.7	9,449	5,890	5,012	647114	9,624
39	8/30/2021	82.8	9,643	6,397	5,012	720370	11,573
40	8/31/2021	78.4	9,807	4,014	5,734	659280	11,650
41	8/31/2021	77.7	9,609	6,486	5,096	713825	11,918
42	8/31/2021	73.6	9,559	7,016	4,835	722560	13,551
43	9/1/2021	81.9	9,578	6,690	5,173	728030	11,888
44	9/1/2021	78.4	9,840	6,240	4,798	723844	11,799
45	9/1/2021	81.1	9,561	6,296	5,060	721222	9,967
46	9/1/2021	83.7	9,590	7,207	5,314	720050	9,990
47	9/2/2021	86.0	7	7,160	5,273	720540	10,056
48	9/2/2021	78.4	10,117	5,948	5,026	724050	9,779
49	9/2/2021	79.1	9,860	6,317	5,253	719220	12,763
50	9/3/2021	85.0	9,786	6,277	4,434	672302	9,619
51	9/3/2021	85.0	10,017	6,485	4,190	716058	9,836
52	9/4/2021	82.0	9,950	6,277	5,694	380400	8,311
53	9/4/2021	67.8	10,296	6,122	4,684	115800	7,531
54	9/4/2021	81.0	9,601	6,323	4,899	562886	10,362
55	9/5/2021	81.5	9,665	6,603	4,278	590900	9,036
56	9/5/2021	72.5	10,039	5,540	6,620	335100	8,416
57	9/5/2021	69.0	9,264	7,413	4,868	748094	14,158
58	9/6/2021	78.0	8,955	6,356	5,103	668900	11,451
59	9/6/2021	85.0	9,582	5,061	6,196	745900	11,918
60	9/6/2021	82.6	9,821	6,650	5,111	741120	11,967
61	9/7/2021	80.0	9,939	8,031	6,187	748900	11,997
62	9/7/2021	78.0	9,373	6,869	5,844	744100	11,917
63	9/7/2021	83.3	10,055	5,727	5,093	740530	11,922
64	9/8/2021	78.0	10,122	7,655	5,391	745700	11,799
65	9/8/2021	83.0	10,363	6,906	5,332	739400	12,007
66	9/8/2021	81.4	10,135	6,916	5,550	746880	11,178
67	9/9/2021	84.0	10,011	7,204	4,691	742900	12,660
68	9/9/2021	86.0	9,845	6,567	4,880	744000	10,126
69	9/9/2021	86.0	9,988	6,791	5,367	739830	10,150
70	9/10/2021	84.9	9,977	6,759	4,846	740490	10,032
71	9/10/2021	88.0	9,891	6,471	1,148	741000	11,201
72	9/10/2021	85.0	9,967	6,881	5,257	741300	9,983
73	9/10/2021	84.1	10,182	6,852	4,993	734730	9,950
74	9/11/2021	84.0	10,173	7,167	4,984	707900	9,888

RECEIVED
Office of Oil and Gas
JAN 29 2024
WV Department of
Environmental Protection

05/31/2024

75	9/11/2021	88.0	10,216	7,007	5,259	744370	9,969
76	9/12/2021	85.3	10,051	6,631	5,725	740030	9,982
77	9/12/2021	83.0	9,945	6,864	5,034	741300	9,751
78	9/12/2021	85.0	10,092	7,137	5,522	741800	10,078
79	9/12/2021	83.7	10,025	7,282	5,376	716810	9,845
80	9/13/2021	84.0	9,743	6,857	5,261	740800	11,723
81	9/13/2021	81.0	10,138	7,117	5,194	741500	10,197
82	9/13/2021	90.5	10,136	6,147	5,234	700390	9,788
83	9/14/2021	87.0	10,042	7,079	4,870	739200	10,128
84	9/14/2021	81.5	10,038	6,864	5,520	741200	10,025
85	9/14/2021	83.0	10,128	6,799	5,690	745410	10,063
86	9/14/2021	92.0	10,027	7,171	5,529	714320	10,032
87	9/15/2021	84.0	9,425	6,950	5,613	741300	11,359
88	9/15/2021	83	10048	7096	5288	742000	9966
89	9/15/2021	88	9989	7064	5410	737430	10021
90	9/16/2021	90	10217	7019	6706	702500	9918
91	9/16/2021	82	9932	6562	5705	741100	9918
92	9/16/2021	90	9663	7148	5317	737990	11260
93	9/17/2021	88	9950	7426	5231	741100	10077
94	9/17/2021	90	9988	6492	5386	741600	10020
95	9/18/2021	89.3	9982	7109	5665	744190	9962
96	9/19/2021	86.5	9913	6654	5330	735520	10266
97	9/20/2021	87	10385	6817	5441	519200	9034
98	9/20/2021	81.5	9916	6740	5210	421857	8848
99	9/21/2021	90.1	10007	7373	5631	742079	9904
100	9/22/2021	93	9555	7010	5591	740516	14787
101	9/22/2021	93.7	9682	7423	4863	743630	9939
102	9/23/2021	95	9566	8013	5103	740196	9851
103	9/23/2021	87	9718	7931	6050	742381	12160
104	9/24/2021	100	9670	6235	5218	735560	9907
105	9/24/2021	97.3	10062	7915	5497	744313	9824
106	9/24/2021	104	9726	7654	5547	740256	9789

RECEIVED
Office of Oil and Gas

JAN 29 2024

WV Department of
Environmental Protection

05/31/2024

HG Energy II Appalachia, LLC
McDonald 1211 S-8H
Lithology Information


RKB 1293
Rig 575

Geological Formation	Top MD	Top TVD	Base MD	Base TVD
Coal	58	58	62	62
Coal	425	425	430	430
Coal	508	508	512	512
1st salt sand	818	818	1003	1003
Coal	992	992	996	996
Coal	1000	1000	1004	1004
Coal	1032	1032	1036	1036
2nd salt sand	1045	1045	1086	1086
Third salt sand	1173	1173	1195	1195
Upper Maxton	1298	1298	1325	1325
Middle Maxton	1373	1373	1405	1405
Little Lime	1463	1463	1486	1486
Big Lime	1504	1504	1573	1573
Big Injun	1573	1573	1676	1676
Gantz	1857	1857	1917	1917
Fifty foot Sand	1964	1964	1990	1990
T- Thirty foot Sand	2064	2064	2081	2081
Gordon Stray sand	2075	2075	2146	2146
Gordon sand	2149	2148	2242	2242
5th sand	2346	2345	2389	2388
Bayard	2416	2415	2440	2439
Speechley	3053	3050	3070	3067
Balltown	3272	3265	3310	3302
Bradford	3754	3723	3839	3802
Benson	4446	4370	4455	4379
Rhinestreet	6146	5959	6451	6242
Cashaqua	6451	6242	6704	6455
Middlesex	6704	6455	6826	6545
West River	6826	6545	6976	6642
Burket	6976	6642	7043	6680
Tully	7043	6680	7240	6769
Hamilton	7240	6769	7447	6826
Marcellus shale	7447	6826	28120	7057

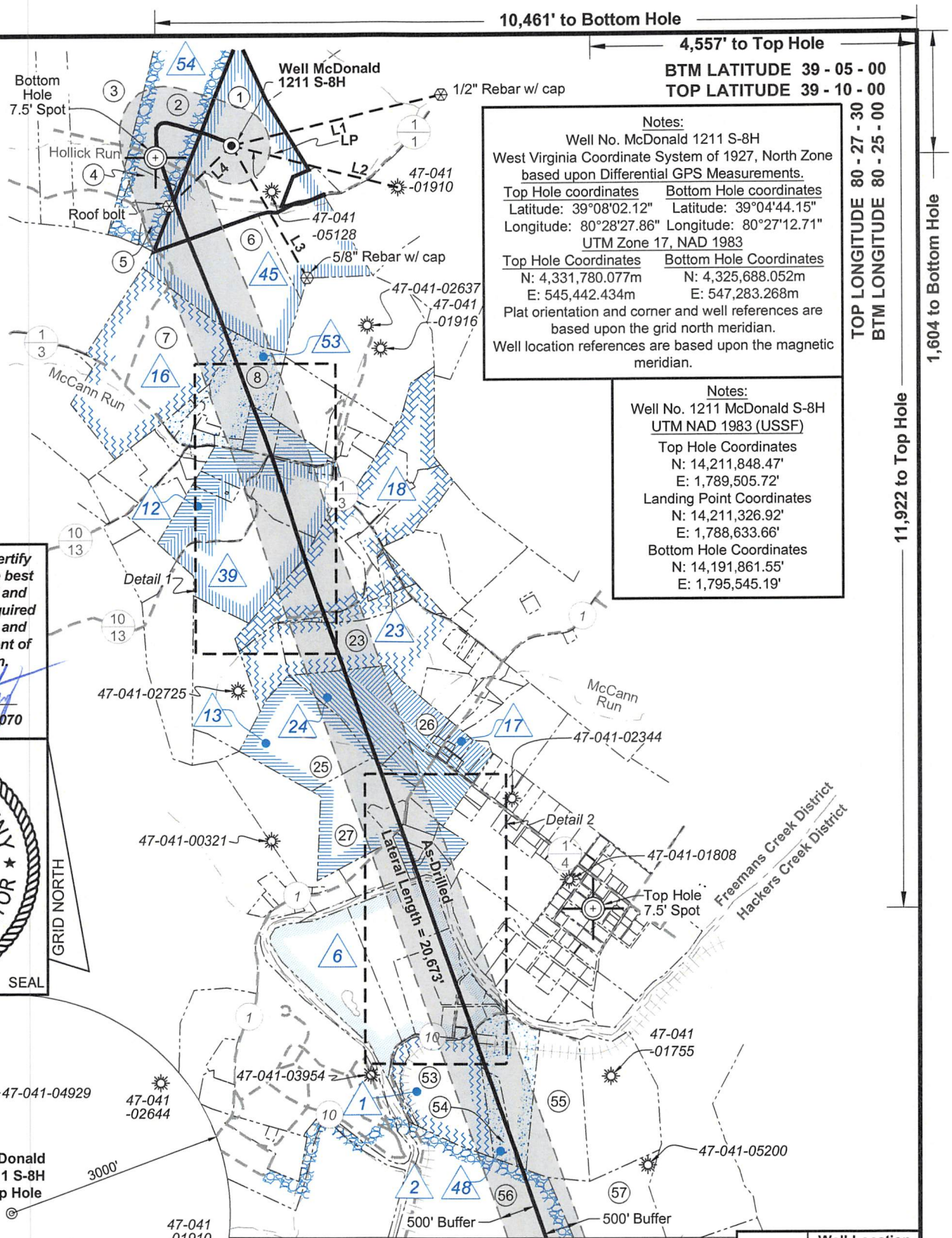
RECEIVED
Office of Oil and Gas
JAN 29 2014
WV Department of
Environmental Protection

05/31/2024

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-8H As-Drilled**



Page 1 of 4

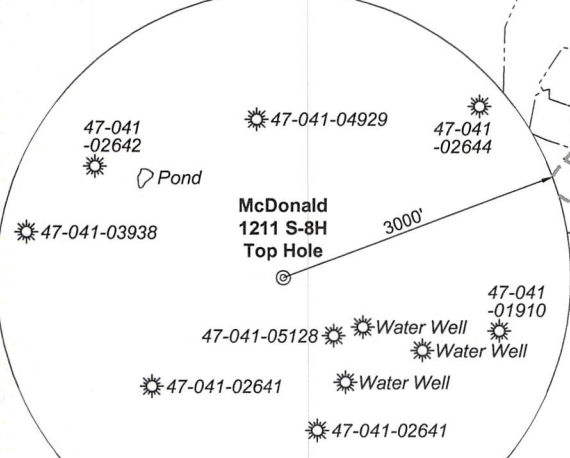


Notes:
Well No. McDonald 1211 S-8H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°08'02.12" Latitude: 39°04'44.15"
Longitude: 80°28'27.86" Longitude: 80°27'12.71"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,331,780.077m N: 4,325,688.052m
E: 545,442.434m E: 547,283.268m
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. 1211 McDonald S-8H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,211,848.47'
E: 1,789,505.72'
Landing Point Coordinates
N: 14,211,326.92'
E: 1,788,633.66'
Bottom Hole Coordinates
N: 14,191,861.55'
E: 1,795,545.19'

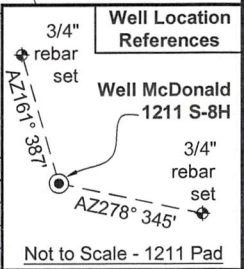
I, the undersigned, hereby certify
that this plat is correct to the best
of my knowledge and belief and
shows all the information required
by law and the rules issued and
prescribed by the Department of
Environmental Protection.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070



Note: 1 Pond and 3 water wells were found within 2000' 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.

Tag	Bearing	Dist.
L1	S 76°34' W	2,957.8'
L2	N 75°40' W	2,349.3'
L3	N 29°34' W	2,079.1'
L4	N 46°08' E	1,190.8'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H 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: December 22 2021
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 - 041 - 05705
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

SURFACE OWNER: HG Energy II Appalachia, LLC
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,120' 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

TOP LONGITUDE 80 - 27 - 30
BTM LONGITUDE 80 - 25 - 00

11,922' to Top Hole

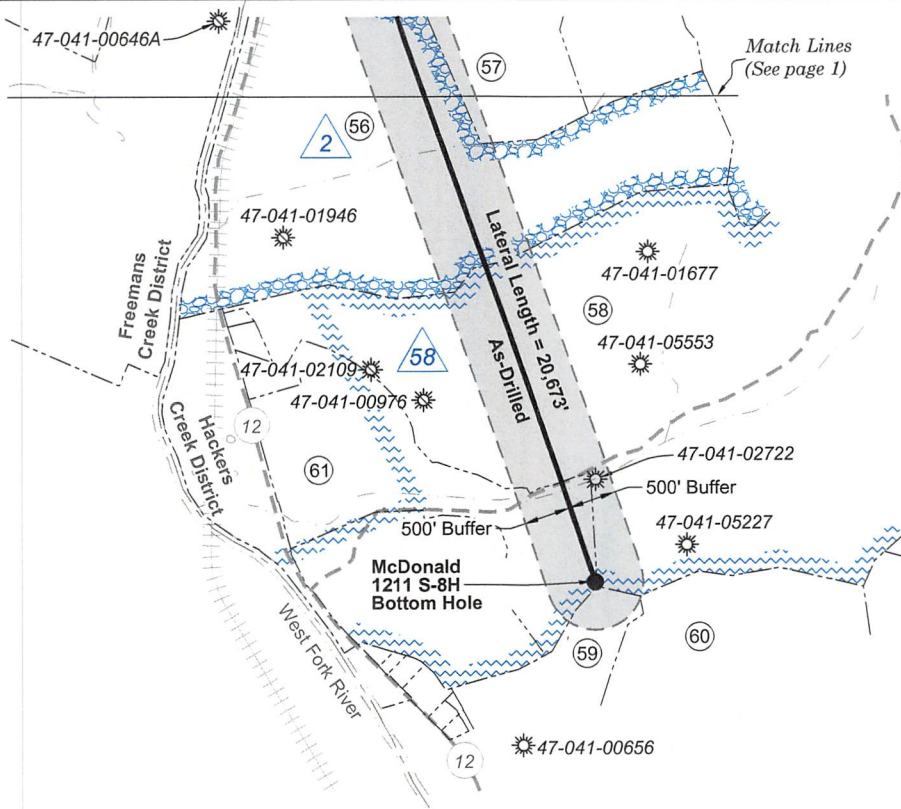
1,604' to Bottom Hole

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: **05/31/2024**

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-8H As-Drilled**



Page 2 of 4



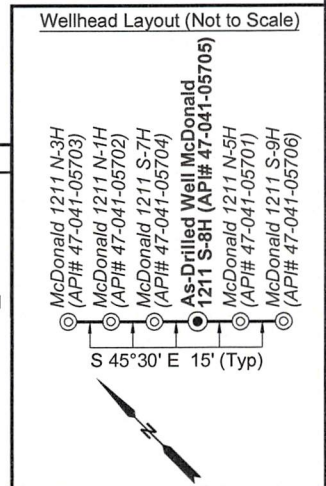
RECEIVED
Office of Oil and Gas

JAN 29 2024

WV Department of
Environmental Protection

ID	Lease
1	Juliet P. Hayes
2	Prudence M. O'hara, et al
6	Mary E. Clark, et vir
12	G.C. Smith
13	Bertha H. Nay, et al
16	P.C. Allman, et al
17	Maggie Cottrill
18	Cordelia Bailey
23	C. Burke Morris, et al
24	A.B. College Inc.
39	Cyrus W. Smith, et al
45	Mary E. Post, et al
48	David Hays, et al
53	HG Energy II Appalachia, LLC
54	HG Energy II Appalachia, LLC
58	A.W. Woodford, et al

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



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H 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: December 22 2021
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 — 041 — 05705
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek TH - West Milford
DISTRICT: Freemans Creek QUADRANGLE: BH - Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Boone
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00
ACREAGE: 61.50

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,057' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,120' 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

HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-8H As-Drilled

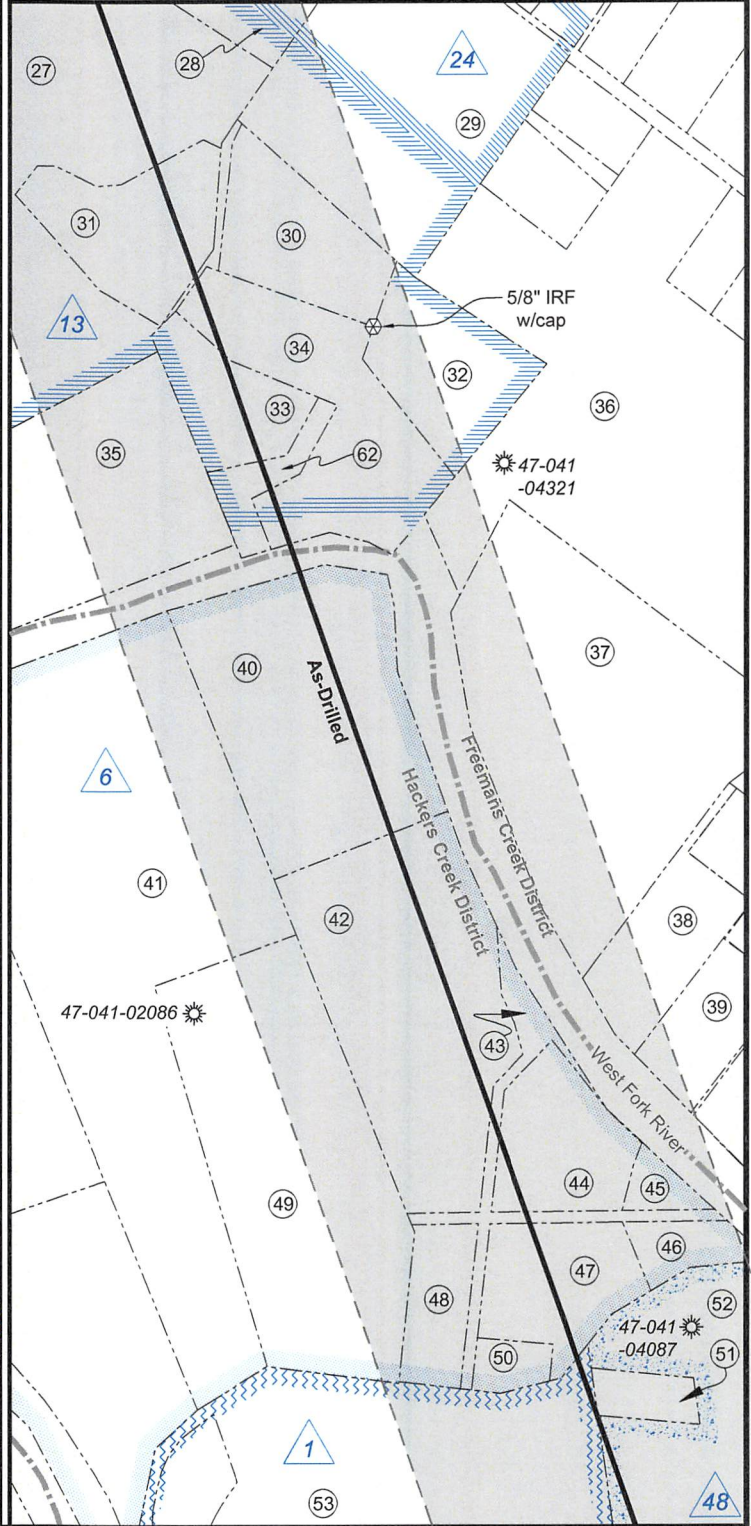
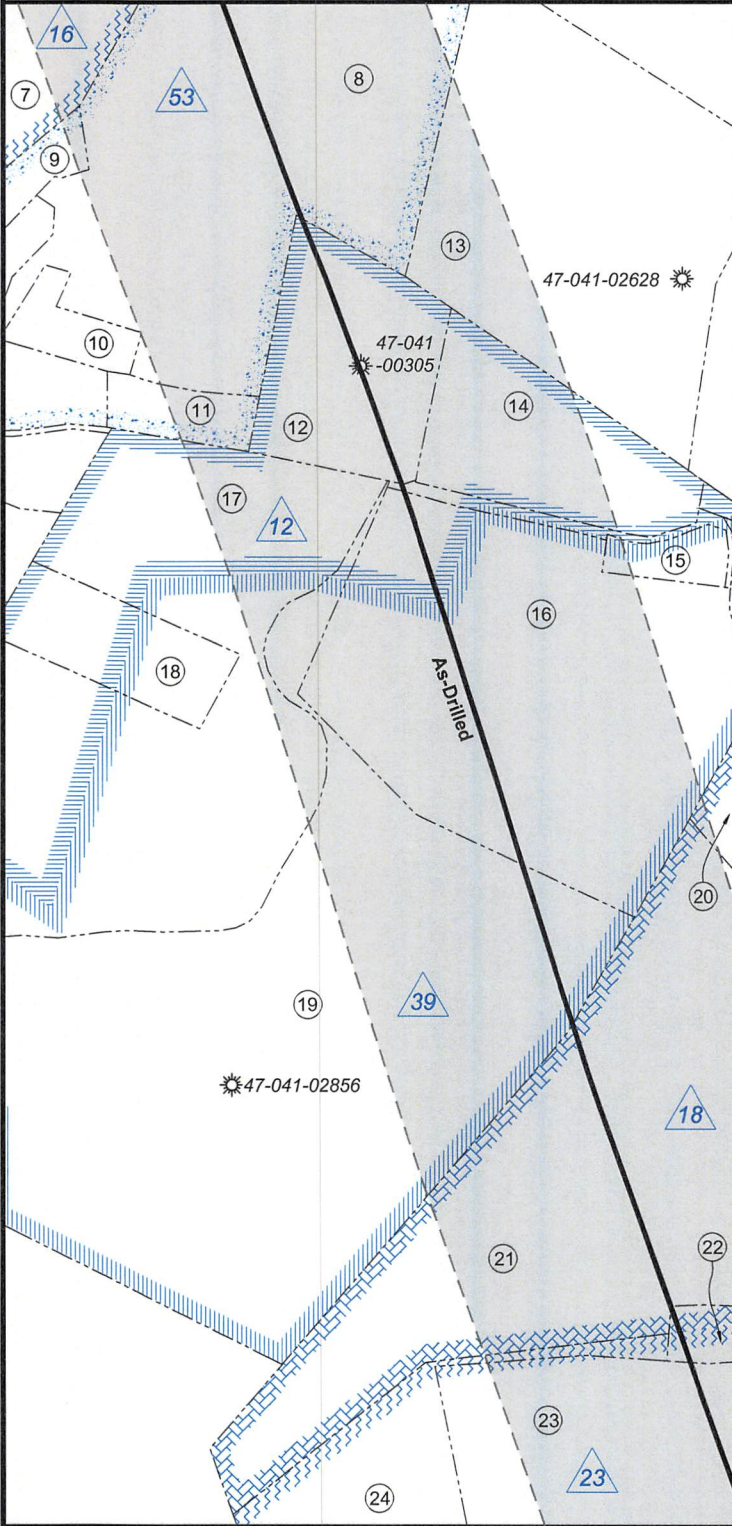
Page 3 of 4

RECEIVED
Office of Oil and Gas
JAN 29 2024
WV Department of
Environmental Protection



Detail 1 - Scale: 1" = 500'

Detail 2 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H 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: December 22 2021
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 - 041 - 05705
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Boone
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. Post, et al, et al

LEASE NO: _____ ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,120' MD

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

05/31/2024



RECEIVED
Office of Oil and Gas

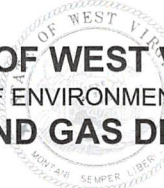
JAN 29 2024

WV Department of
Environmental Protection

No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	HG Energy II Appalachia, LLC	730 / 677	61.50
2	7B / 9	Brincefield Family Trust	588 / 740	56.76
3	6B / 41	Brincefield Family Trust	588 / 740	71.62
4	6B / 53	Brincefield Family Trust	588 / 740	10.51
5	6B / 52	Frank McDonald	479 / 8	3.73
6	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
7	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
8	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
9	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
10	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
11	7C / 2	Jane E. Horn	F30 / 607	1.19
12	7C / 6	Beverly Ann Beam	W33 / 295	5.66
13	7C / 32	Kelvin G. & Trent M. Williston	673 / 669	16.08
14	7C / 30.5	Timothy E. Beam	537 / 254	5.32
15	7C / 31	Francis C. Smith	488 / 376	0.75
16	7C / 30	Bette Gerath	W20 / 230	19.16
17	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
18	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
19	7C / 6.2	Bette Gerath	W20 / 230	36.15
20	7C / 30.8	Russell E. & Catherine F. Kerns	652 / 128	4.75
21	7C / 29	Betsy L. & Miquel A. Rodriguez	717 / 329	24.43
22	7C / 29.1	Daniel L. Truman	712 / 544	4.82
23	7C / 46	Charles D. & Linda Bailey	653 / 713	42.15
24	7C / 8	Bette Gerath	W20 / 230	20.00
25	7C / 22	Fred Allen Bailey	452 / 268	35.35
26	7C / 25	Fred Allen Bailey	452 / 268	32.27
27	7C / 22.2	Donna J. Williams, et al	F31 / 405	28.69
28	7C / 23	Fred Allen Bailey	452 / 268	6.02
29	7C / 51	Nathan King	720 / 789	9.75
30	7C / 21	Michael S. & Mary Beth Furby	593 / 248	3.00
31	7C / 22.1	Allen B. Jerden	301 / 77	3.35

No.	TM / Par	Owner	Bk / Pg	Ac.
32	7C / 20.1	Daniel R. & Glenna M. Johnston	726 / 830	3.00
33	7C / 20.2	Timothy P. & Glenda R. Weber	603 / 649	2.10
34	7C / 20	Edward W. Holden	726 / 826	5.20
35	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
36	7C / 53.4	Jeremy & Jenny L. Garton	532 / 605	37.21
37	7C / 52.7	Jeremy & Jenny L. Garton	549 / 373	14.03
38	7D / 59	Jeremy & Jenny L. Garton	586 / 138	2.58
39	7D / 54	Joseph & Malissa Miller	584 / 422	1.91
40	7C / 2	James A. & Carol Trefz Smith	343 / 62	9.60
41	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
42	7D / 60	John & Phylis Porterfield	427 / 687	10.00
43	7D / 61	John & Phylis Porterfield	427 / 687	0.46
44	7D / 17	Tyrone D. & Amy B. Campbell	584 / 543	2.73
45	7D / 18	John & Phylis Porterfield	427 / 687	0.58
46	7D / 21	Tyrone D. & Amy B. Campbell	597 / 615	0.67
47	7D / 19	John & Phylis Porterfield	427 / 687	2.50
48	7D / 15	John & Phylis Porterfield	427 / 687	1.57
49	7D / 16	Ricky W. & Kristine L. Frame	670 / 717	10.75
50	7D / 14	John & Phylis Porterfield	427 / 687	0.47
51	7D / 20	James A. & Carol Trefz Smith	343 / 62	0.74
52	7D / 12	James A. & Carol Trefz Smith	343 / 62	28.68
53	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
54	7D / 12.1	Randall D. & Leanna M. Louk	575 / 73	7.21
55	7D / 11	Ricky W. Frame	677 / 723	31.50
56	7D / 5	WVU Board of Governors	584 / 524	323.00
57	7D / 10	Shelba J. Smith, et al	W46 / 649	40.00
58	7D / 9.3	Swisher LLC	739 / 833	473.38
59	7E / 29	John K. & Susan D. Butcher, et al	732 / 259	40.97
60	7E / 30	B. Jean Nicholson	509 / 215	61.17
61	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	98.83
62	7C / 20.3	Timothy P. & Glenda R. Weber	726 / 833	0.90

FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-8H 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: December 22 2021
 OPERATOR'S WELL NO. McDonald 1211 S-8H
 API WELL NO
47 — 041 — 05705
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
 DISTRICT: Freemans Creek

TH - West Milford
 QUADRANGLE: BH - Weston
 COUNTY: Wayne
 ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. Post, et al, et al

LEASE NO: _____ ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,120' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

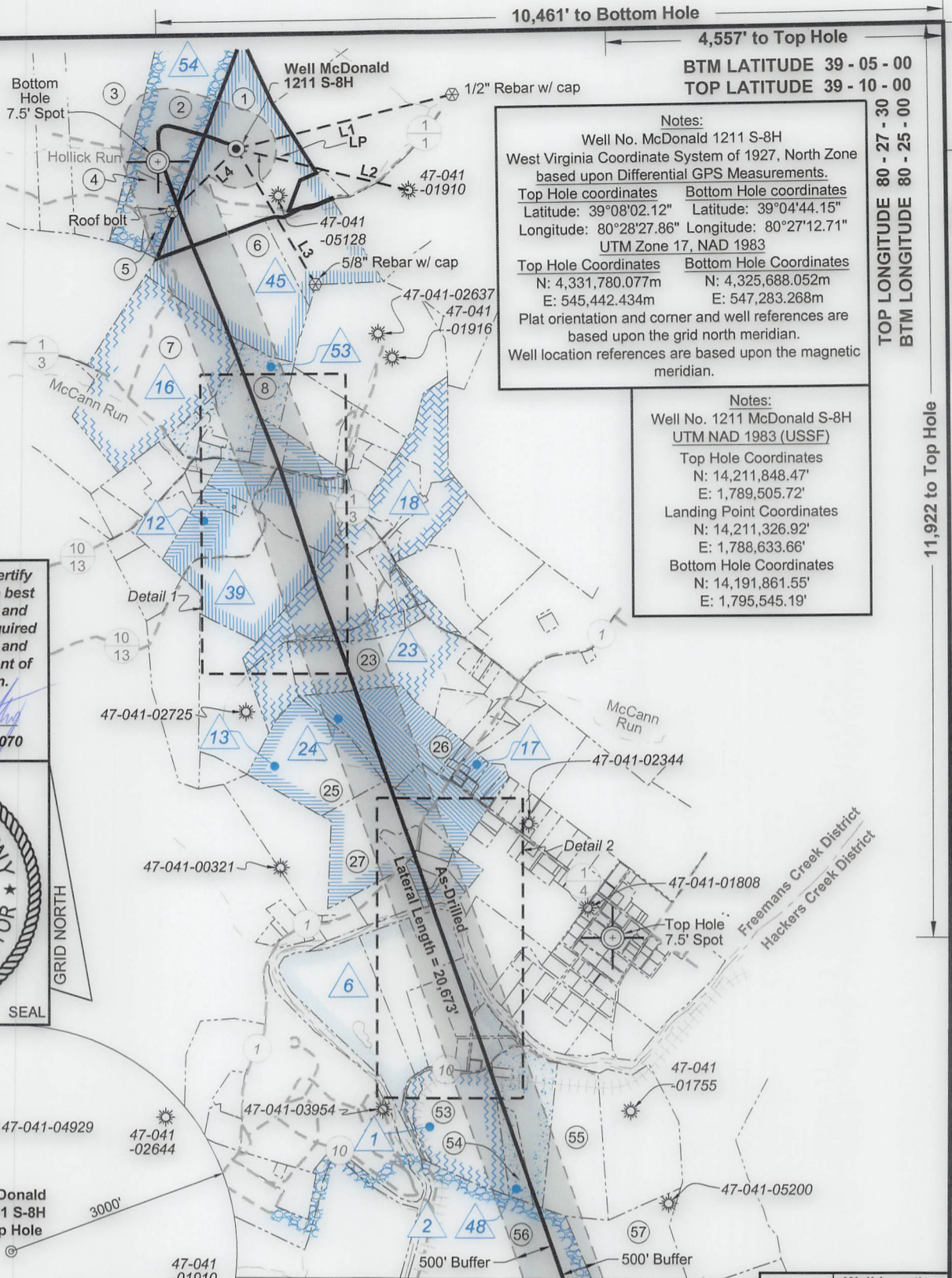
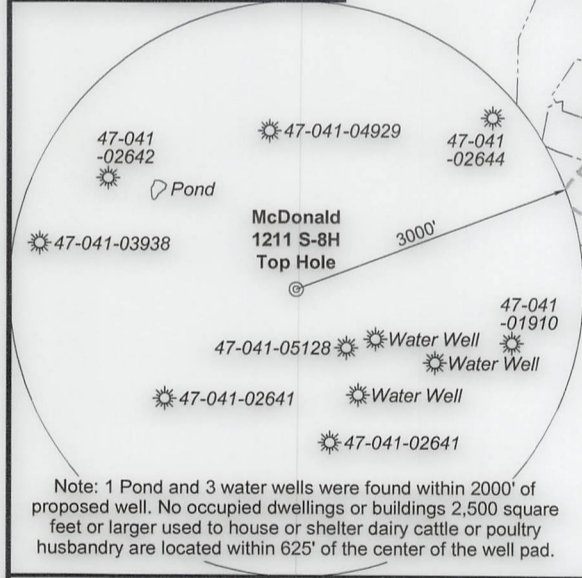
HG Energy II Appalachia, LLC
Well No. McDonald 1211 S-8H As-Drilled



Page 1 of 4

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.

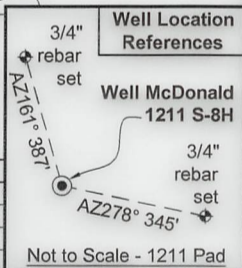
Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070



Notes:
 Well No. McDonald 1211 S-8H
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°08'02.12" Latitude: 39°04'44.15"
 Longitude: 80°28'27.86" Longitude: 80°27'12.71"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,331,780.077m N: 4,325,688.052m
 E: 545,442.434m E: 547,283.268m
 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. 1211 McDonald S-8H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,211,848.47'
 E: 1,789,505.72'
 Landing Point Coordinates
 N: 14,211,326.92'
 E: 1,788,633.66'
 Bottom Hole Coordinates
 N: 14,191,861.55'
 E: 1,795,545.19'

Tag	Bearing	Dist.
L1	S 76°34' W	2,957.8'
L2	N 75°40' W	2,349.3'
L3	N 29°34' W	2,079.1'
L4	N 46°08' E	1,190.8'



FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-8H 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: December 22 2021
 OPERATOR'S WELL NO. McDonald 1211 S-8H
 API WELL NO
 47 - 041 - 05705
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
 DISTRICT: Freemans Creek
 SURFACE OWNER: HG Energy II Appalachia, LLC
 ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,057' TVD / 28,120' 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

10,461' to Bottom Hole
 4,557' to Top Hole
 BTM LATITUDE 39 - 05 - 00
 TOP LATITUDE 39 - 10 - 00
 TOP LONGITUDE 80 - 27 - 30
 BTM LONGITUDE 80 - 25 - 00

11,922 to Top Hole

1,604 to Bottom Hole

TH - West Milford
 QUADRANGLE: BH - Weston
 COUNTY: **05/31/2024**

HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-8H As-Drilled



Page 2 of 4



ID	Lease
1	Juliet P. Hayes
2	Prudence M. O'hara, et al
6	Mary E. Clark, et vir
12	G.C. Smith
13	Bertha H. Nay, et al
16	P.C. Allman, et al
17	Maggie Cottrill
18	Cordelia Bailey
23	C. Burke Morris, et al
24	A.B. College Inc.
39	Cyrus W. Smith, et al
45	Mary E. Post, et al
48	David Hays, et al
53	HG Energy II Appalachia, LLC
54	HG Energy II Appalachia, LLC
58	A.W. Woodford, et al

Legend

- ⊙ Proposed gas well
- ⊕ Well Reference, as noted
- ⊗ Monument, as noted
- ☀ Existing Well, as noted
- ☀ Existing Plugged Well, as noted
- ☀ Digitized Well, as noted
- Surface boundary (approx.)
- - - Interior surface tracts (approx.)
- - - Creek or Drain
- - - Existing Road
- ⋯ Railroad Tracks

Wellhead Layout (Not to Scale)

FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H 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: December 22 20 21
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 - 041 - 05705
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Lewis
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. Post, et al , et al

LEASE NO: _____ ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,057' TVD 28,120' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

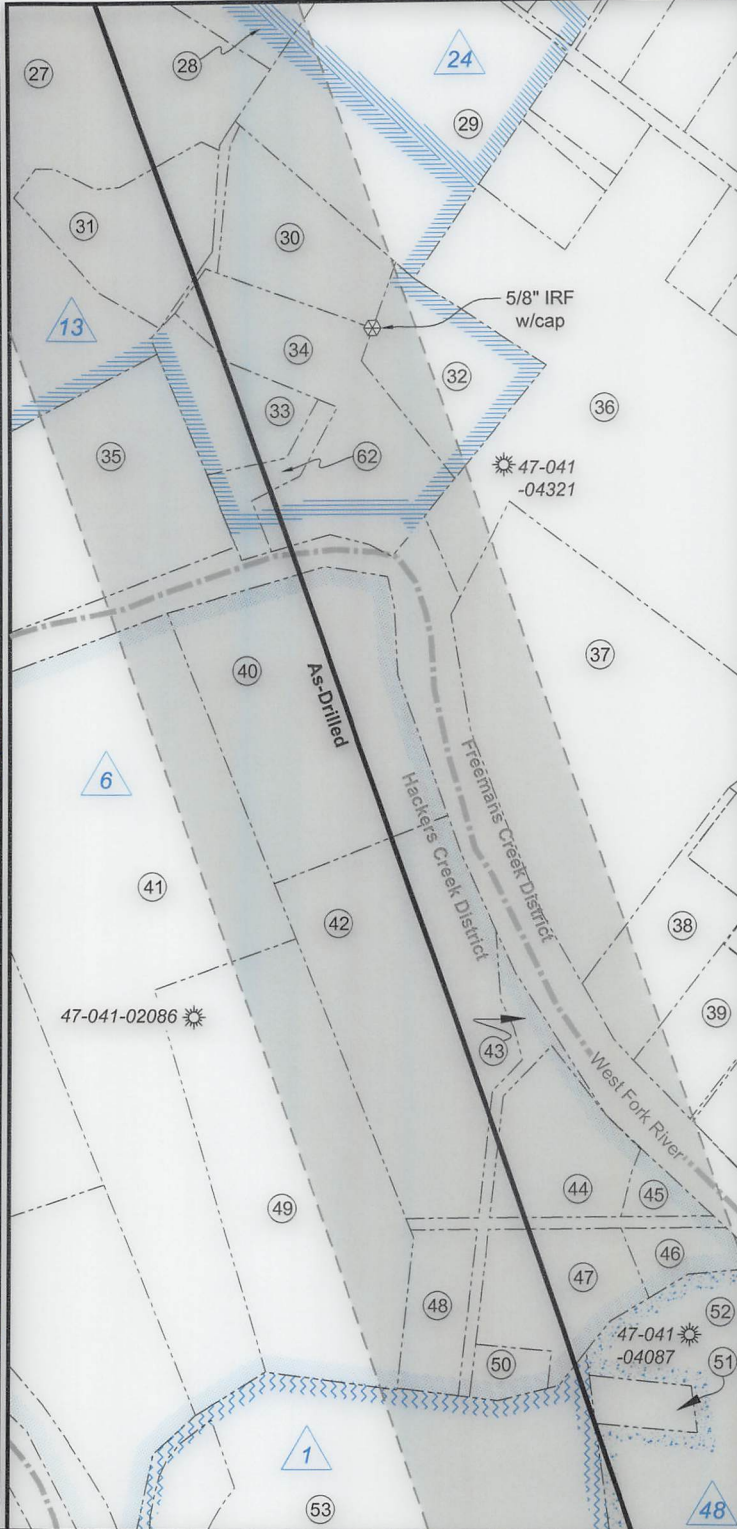
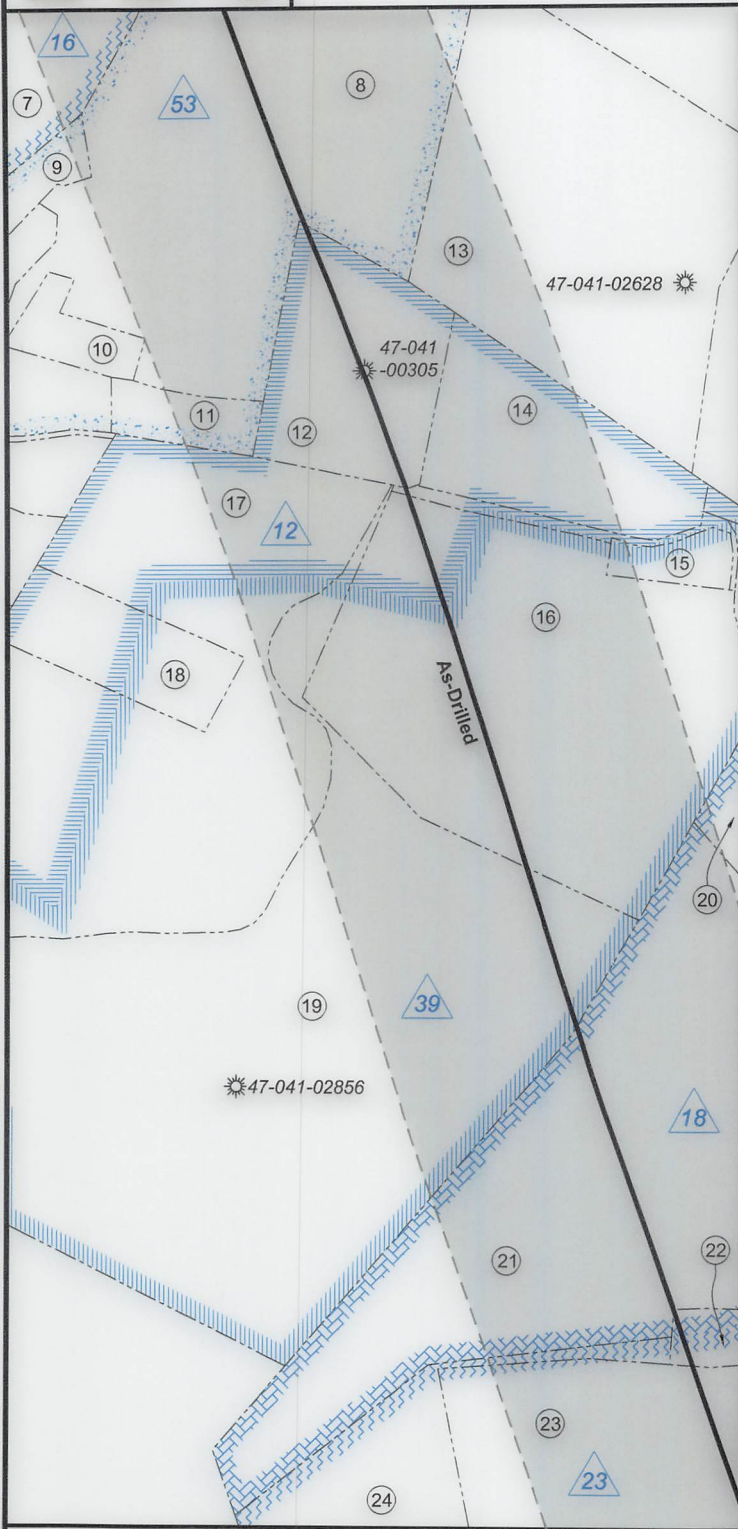
Parkersburg, WV 26101

05/31/2024



Detail 1 - Scale: 1" = 500'

Detail 2 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H 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: December 22 20 21
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 - 041 - 05705
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: **05/31/2024**
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. Post, et al, et al

LEASE NO: _____ ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,057' TVD 28,120' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

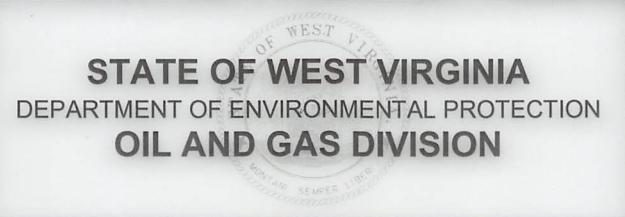
Parkersburg, WV 26101



No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	HG Energy II Appalachia, LLC	730 / 677	61.50
2	7B / 9	Brincefield Family Trust	588 / 740	56.76
3	6B / 41	Brincefield Family Trust	588 / 740	71.62
4	6B / 53	Brincefield Family Trust	588 / 740	10.51
5	6B / 52	Frank McDonald	479 / 8	3.73
6	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
7	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
8	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
9	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
10	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
11	7C / 2	Jane E. Horn	F30 / 607	1.19
12	7C / 6	Beverly Ann Beam	W33 / 295	5.66
13	7C / 32	Kelvin G. & Trent M. Williston	673 / 669	16.08
14	7C / 30.5	Timothy E. Beam	537 / 254	5.32
15	7C / 31	Francis C. Smith	488 / 376	0.75
16	7C / 30	Bette Gerath	W20 / 230	19.16
17	7C / 6.3	Clinton C. & Geryln H. Beam	636 / 200	19.33
18	7C / 6.1	Clinton C. & Geryln H. Beam	556 / 174	3.00
19	7C / 6.2	Bette Gerath	W20 / 230	36.15
20	7C / 30.8	Russell E. & Catherine F. Kerns	652 / 128	4.75
21	7C / 29	Betsy L. & Miquel A. Rodriguez	717 / 329	24.43
22	7C / 29.1	Daniel L. Truman	712 / 544	4.82
23	7C / 46	Charles D. & Linda Bailey	653 / 713	42.15
24	7C / 8	Bette Gerath	W20 / 230	20.00
25	7C / 22	Fred Allen Bailey	452 / 268	35.35
26	7C / 25	Fred Allen Bailey	452 / 268	32.27
27	7C / 22.2	Donna J. Williams, et al	F31 / 405	28.69
28	7C / 23	Fred Allen Bailey	452 / 268	6.02
29	7C / 51	Nathan King	720 / 789	9.75
30	7C / 21	Michael S. & Mary Beth Furby	593 / 248	3.00
31	7C / 22.1	Allen B. Jerden	301 / 77	3.35

No.	TM / Par	Owner	Bk / Pg	Ac.
32	7C / 20.1	Daniel R. & Glenna M. Johnston	726 / 830	3.00
33	7C / 20.2	Timothy P. & Glenda R. Weber	603 / 649	2.10
34	7C / 20	Edward W. Holden	726 / 826	5.20
35	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
36	7C / 53.4	Jeremy & Jenny L. Garton	532 / 605	37.21
37	7C / 52.7	Jeremy & Jenny L. Garton	549 / 373	14.03
38	7D / 59	Jeremy & Jenny L. Garton	586 / 138	2.58
39	7D / 54	Joseph & Malissa Miller	584 / 422	1.91
40	7C / 2	James A. & Carol Trefz Smith	343 / 62	9.60
41	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
42	7D / 60	John & Phylis Porterfield	427 / 687	10.00
43	7D / 61	John & Phylis Porterfield	427 / 687	0.46
44	7D / 17	Tyrone D. & Amy B. Campbell	584 / 543	2.73
45	7D / 18	John & Phylis Porterfield	427 / 687	0.58
46	7D / 21	Tyrone D. & Amy B. Campbell	597 / 615	0.67
47	7D / 19	John & Phylis Porterfield	427 / 687	2.50
48	7D / 15	John & Phylis Porterfield	427 / 687	1.57
49	7D / 16	Ricky W. & Kristine L. Frame	670 / 717	10.75
50	7D / 14	John & Phylis Porterfield	427 / 687	0.47
51	7D / 20	James A. & Carol Trefz Smith	343 / 62	0.74
52	7D / 12	James A. & Carol Trefz Smith	343 / 62	28.68
53	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
54	7D / 12.1	Randall D. & Leanna M. Louk	575 / 73	7.21
55	7D / 11	Ricky W. Frame	677 / 723	31.50
56	7D / 5	WVU Board of Governors	584 / 524	323.00
57	7D / 10	Shelba J. Smith, et al	W46 / 649	40.00
58	7D / 9.3	Swisher LLC	739 / 833	473.38
59	7E / 29	John K. & Susan D. Butcher, et al	732 / 259	40.97
60	7E / 30	B. Jean Nicholson	509 / 215	61.17
61	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	98.83
62	7C / 20.3	Timothy P. & Glenda R. Weber	726 / 833	0.90

FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-8H As-Drilled
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV



DATE: December 22 2021
OPERATOR'S WELL NO. McDonald 1211 S-8H
API WELL NO
47 — 041 — 05705
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek TH - West Milford
DISTRICT: Freemans Creek QUADRANGLE: BH - Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: ~~0548~~ 0548/2024
ROYALTY OWNER: Mary E. Post, et al, et al ACREAGE: 61.50
LEASE NO: ACREAGE: 145.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,057' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,120' 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