

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

API 47 - 041 - 05704 County Lewis District Freemans Creek  
Quad West Milford Pad Name McDonald 1211 Field/Pool Name Kennedy  
Farm name McDonald Well Number 1211 S7H  
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 4331783.284 Easting 545439.176  
Landing Point of Curve Northing 4331532 Easting 544737  
Bottom Hole Northing 4325390.548 Easting 546896.635

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 03/17/2020 Date drilling commenced 11/21/2020 Date drilling ceased 4/13/2021  
Date completion activities began 6/21/2021 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**

Thomas Depold 5-9-24  
**05/31/2024**

API 47-041 - 05704 Farm name McDonald Well number 1211 S7H

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"	1061	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2030	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2752	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	29234	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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Not Cemented						
Surface	Class A	1965	15.6	1.18	2319	Surface	8
Coal							
Intermediate 1	Class A	1587/467	15.4/15.9	1.24/1.17	1968/546	Surface	24
Intermediate 2	Class A	849	15.6	1.19	1010.3	Surface	8
Intermediate 3							
Production	Class A	535/379/4480	13.5/13.5/14.8	1.67/1.48/1.35	893/561/6048	Surface	8
Tubing							

Drillers TD (ft) <sup>29266</sup> \_\_\_\_\_ Loggers TD (ft) \_\_\_\_\_  
 Deepest formation penetrated Marcellus Plug back to (ft) \_\_\_\_\_  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) <sup>6407</sup> \_\_\_\_\_

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 \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

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**HG Energy II Appalachia, LLC**  
**McDonald 1211 N-5H**  
**Lithology Report**

Formation	Base MD	Top TVD	Base MD	Top 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
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	2082	2081
Gordon Stray sand	2075	2075	2090	2090
Gordon sand	2145	2145	2151	2151
5th sand	2337	2335	2348	2348
Bayard	2422	2420	2447	2447
Speechley	3040	3040	3065	3056
Balltown	2366	3265	3320	3300
Bradford	3821	3725	3915	3800
Benson	4636	4379	4646	4388
Rhinestreet	6621	5996	6940	6270
Cashaqua	6940	6270	7204	6481
Middlesex	7204	6481	7316	6562
West River	7316	6562	7471	6661
Burket	7471	6661	7531	6695
Tully	7531	6695	7718	6784
Hamilton	7718	6784	7890	6842
Marcellus shale	7890	6842	29266	7042

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**HG Energy II Appalachia, LLC**  
**McDonald 1211 N-5H**  
**Perforation Record**

Stage #	Perforation Date	Perforation from Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve/1	6/30/2021	29181	29154	2	Marcellus
2	6/30/2021	29120	28952	28	Marcellus
3	7/1/2021	28924	28756	28	Marcellus
4	7/1/2021	28728	28560	28	Marcellus
5	7/2/2021	28532	28364	28	Marcellus
6	7/2/2021	28336	28168	28	Marcellus
7	7/3/2021	28140	27972	28	Marcellus
8	7/3/2021	27944	27776	28	Marcellus
9	7/3/2021	27748	27580	28	Marcellus
10	7/4/2021	27552	27384	28	Marcellus
11	7/4/2021	27356	27188	28	Marcellus
12	7/4/2021	27160	26992	28	Marcellus
13	7/5/2021	26964	26796	28	Marcellus
14	7/5/2021	26768	26600	28	Marcellus
15	7/6/2021	26572	26404	28	Marcellus
16	7/6/2021	26376	26208	28	Marcellus
17	7/7/2021	26180	26012	28	Marcellus
18	7/7/2021	25984	25816	28	Marcellus
19	7/7/2021	25788	25620	28	Marcellus
20	7/7/2021	25592	25424	28	Marcellus
21	7/8/2021	25396	25228	28	Marcellus
22	7/8/2021	25200	25032	28	Marcellus
23	7/8/2021	25004	24836	28	Marcellus
24	7/9/2021	24808	24640	28	Marcellus
25	7/9/2021	24612	24444	28	Marcellus
26	7/9/2021	24416	24248	28	Marcellus
27	7/10/2021	24220	24052	28	Marcellus
28	7/10/2021	24024	23856	28	Marcellus
29	7/10/2021	23828	23660	28	Marcellus
30	7/10/2021	23632	23464	28	Marcellus
31	7/11/2021	23436	23268	28	Marcellus
32	7/11/2021	23240	23072	28	Marcellus
33	7/11/2021	23044	22876	28	Marcellus
34	7/12/2021	22848	22680	28	Marcellus
35	7/13/2021	22652	22484	28	Marcellus
36	7/14/2021	22456	22288	28	Marcellus
37	7/14/2021	22260	22092	28	Marcellus
38	7/14/2021	22064	21896	28	Marcellus
39	7/14/2021	21868	21700	28	Marcellus
40	7/15/2021	21672	21504	28	Marcellus
41	7/15/2021	21476	21308	28	Marcellus
42	7/15/2021	21280	21112	28	Marcellus
43	7/15/2021	21084	20916	28	Marcellus
44	7/16/2021	20888	20720	28	Marcellus
45	7/16/2021	20692	20524	28	Marcellus
46	7/16/2021	20496	20328	28	Marcellus
47	7/16/2021	20300	20132	28	Marcellus
48	7/17/2021	20104	19936	28	Marcellus
49	7/17/2021	19908	19740	28	Marcellus
50	7/17/2021	19712	19544	28	Marcellus
51	7/17/2021	19516	19348	28	Marcellus
52	7/17/2021	19320	19152	28	Marcellus
53	7/18/2021	19124	18956	28	Marcellus
54	7/18/2021	18928	18760	28	Marcellus
55	7/18/2021	18732	18564	28	Marcellus

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56	7/18/2021	18536	18368	28	Marcellus
57	7/19/2021	18340	18172	28	Marcellus
58	7/19/2021	18144	17976	28	Marcellus
59	7/19/2021	17948	17780	28	Marcellus
60	7/19/2021	17752	17584	28	Marcellus
61	7/20/2021	17556	17388	28	Marcellus
62	7/20/2021	17360	17192	28	Marcellus
63	7/20/2021	17164	16996	28	Marcellus
64	7/21/2021	16968	16800	28	Marcellus
65	7/21/2021	16772	16604	28	Marcellus
66	7/21/2021	16576	16408	28	Marcellus
67	7/21/2021	16380	16212	28	Marcellus
68	7/22/2021	16184	16016	28	Marcellus
69	7/22/2021	15988	15820	28	Marcellus
70	7/22/2021	15792	15624	28	Marcellus
71	7/22/2021	15596	15428	28	Marcellus
72	7/22/2021	15400	15232	28	Marcellus
73	7/23/2021	15204	15036	28	Marcellus
74	7/23/2021	15008	14840	28	Marcellus
75	7/23/2021	14812	14644	28	Marcellus
76	7/23/2021	14616	14448	28	Marcellus
77	7/24/2021	14420	14252	28	Marcellus
78	7/24/2021	14224	14056	28	Marcellus
79	7/24/2021	14028	13860	28	Marcellus
80	7/25/2021	13832	13664	28	Marcellus
81	7/25/2021	13636	13468	28	Marcellus
82	7/25/2021	13440	13272	28	Marcellus
83	7/25/2021	13244	13076	28	Marcellus
84	7/25/2021	13048	12880	28	Marcellus
85	7/26/2021	12852	12684	28	Marcellus
86	7/26/2021	12656	12488	28	Marcellus
87	7/26/2021	12460	12292	28	Marcellus
88	7/26/2021	12264	12096	28	Marcellus
89	7/27/2021	12068	11900	28	Marcellus
90	7/27/2021	11872	11704	28	Marcellus
91	7/27/2021	11676	11508	28	Marcellus
92	7/27/2021	11480	11312	28	Marcellus
93	7/28/2021	11284	11116	28	Marcellus
94	7/28/2021	11088	10920	28	Marcellus
95	7/28/2021	10892	10724	28	Marcellus
96	7/29/2021	10696	10528	28	Marcellus
97	7/29/2021	10500	10332	28	Marcellus
98	7/29/2021	10304	10136	28	Marcellus
99	7/30/2021	10108	9940	28	Marcellus
100	7/30/2021	9912	9744	28	Marcellus
101	7/30/2021	9716	9548	28	Marcellus
102	7/30/2021	9519	9351	28	Marcellus
103	7/30/2021	9321	9153	28	Marcellus
104	7/31/2021	9123	8955	28	Marcellus
105	7/31/2021	8925	8757	28	Marcellus
106	8/1/2021	8727	8559	28	Marcellus
107	8/1/2021	8529	8361	28	Marcellus
108	8/1/2021	8331	8163	28	Marcellus
109	8/1/2021	8133	7965	28	Marcellus

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**HG Energy II Appalachia, LLC**

**McDonald 1211 S-7H**

**Stimulation Record**

Stage #	Date	Average Pump Rate (BPM)	Average Treatment Press (PSI)	Maximum Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	6/30/2021	82.0	9854	6447	4503	271035	9,912
2	6/30/2021	61.7	10,132	7,117	4,569	3070	6,660
3	7/1/2021	84.0	9,754	7,066	5,022	700649	15,499
4	7/1/2021	84.8	10,316	7,324	5,071	701000	14,880
5	7/2/2021	82.0	10,364	8,017	5,045	649084	12,327
6	7/2/2021	85.1	9,986	5,893	5,476	702100	14,070
7	7/3/2021	87.7	10,239	6,285	5,293	701800	12,877
8	7/3/2021	86.0	10,080	8,557	5,649	704148	12,221
9	7/3/2021	88.8	10,189	6,122	5,484	704500	12,037
10	7/4/2021	89.0	10,329	6,606	5,647	705000	11,565
11	7/4/2021	90.0	10,223	6,079	5,347	706222	12,302
12	7/4/2021	89.3	10,298	6,397	5,276	706000	11,769
13	7/5/2021	90.0	10,028	5,953	5,691	704085	12,970
14	7/5/2021	80.3	9,852	5,771	4,915	617600	12,700
15	7/6/2021	88.0	9,968	5,776	5,131	622240	12,482
16	7/6/2021	91.3	10,092	5,345	5,143	704900	12,442
17	7/7/2021	91.5	10,188	5,915	5,490	705600	11,947
18	7/7/2021	88.8	10,166	5,891	5,191	705900	11,839
19	7/7/2021	92.0	9,993	5,631	5,455	705376	12,285
20	7/7/2021	90.7	10,169	5,327	5,335	697800	11,843
21	7/8/2021	90.2	10,211	5,916	5,120	555100	10,804
22	7/8/2021	90.0	9,984	5,780	4,778	638653	12,536
23	7/8/2021	90.0	9,946	6,069	4,626	705220	14,244
24	7/9/2021	89.8	10,198	5,571	5,375	639300	11,252
25	7/9/2021	90.0	9,743	5,840	5,459	705198	12,457
26	7/9/2021	89.4	9,639	6,167	5,660	705530	11,806
27	7/10/2021	89.1	9,902	6,106	4,450	705700	13,716
28	7/10/2021	89.0	9,919	6,035	4,717	704815	13,665
29	7/10/2021	91.0	9,952	5,664	5,309	706080	11,770
30	7/10/2021	93.5	9,964	6,039	5,490	705320	11,988
31	7/11/2021	93.0	10,081	5,590	5,519	705950	12,148
32	7/11/2021	92.0	9,585	5,331	5,472	704493	11,991
33	7/11/2021	95.0	9,989	5,635	5,220	705690	11,822
34	7/12/2021	95.0	9,933	5,660	5,746	705650	12,040
35	7/13/2021	90.0	10,125	6,019	4,833	703560	11,979
36	7/14/2021	92.0	10,030	5,534	5,380	628600	9,565
37	7/14/2021	90.6	10,017	6,325	4,860	548050	9,172
38	7/14/2021	97.0	10,107	6,522	5,183	705560	10,028
39	7/14/2021	94.0	10,325	5,892	5,213	709080	10,054
40	7/15/2021	94.2	10,074	6,024	5,390	706020	10,036
41	7/15/2021	92.1	9,869	6,374	5,270	706580	11,287
42	7/15/2021	91.0	9,853	6,395	5,873	697780	9,828
43	7/15/2021	94.2	10,089	6,521	5,120	705280	10,039
44	7/16/2021	95.6	10,008	5,619	4,940	705920	10,024
45	7/16/2021	93.0	10,076	5,892	4,479	706190	11,684
46	7/16/2021	97.0	10,089	5,575	5,461	707260	10,020
47	7/16/2021	96.6	10,121	5,643	5,180	706600	10,038
48	7/17/2021	97.1	9,781	4,126	5,400	705340	10,077
49	7/17/2021	88.0	9,994	5,982	4,474	397520	10,416
50	7/17/2021	95.0	9,969	6,207	4,303	676800	11,204
51	7/17/2021	93.0	9,907	6,549	4,911	706660	11,148
52	7/17/2021	99.2	9,855	3,967	5,480	706260	10,019
53	7/18/2021	96.0	9,912	5,947	4,283	704100	11,141
54	7/18/2021	95.0	9,736	6,077	5,046	682680	10,514
55	7/18/2021	95.0	9,519	6,186	5,238	705620	9,958
56	7/18/2021	95.8	9,791	6,182	5,260	706280	11,047
57	7/19/2021	96.9	9,811	6,357	5,900	705060	9,986
58	7/19/2021	96.0	9,856	6,284	5,291	705240	9,996
59	7/19/2021	99.0	9,769	4,456	5,429	705360	9,934
60	7/19/2021	99.1	9,988	3,754	5,135	634310	9,475
61	7/20/2021	97.0	9,770	3,937	4,469	707400	10,023

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62	7/20/2021	96.6	9,689	6,091	5,316	707100	9,869
63	7/20/2021	92.0	9,627	6,462	5,190	648220	10,562
64	7/21/2021	96.4	9,837	6,246	5,100	705560	9,853
65	7/21/2021	94.0	9,371	5,965	4,702	704800	9,846
66	7/21/2021	98.0	9,686	4,036	5,309	705000	9,931
67	7/21/2021	95.9	9,464	6,336	4,660	704570	10,936
68	7/22/2021	95.3	9,610	6,149	5,470	705790	10,900
69	7/22/2021	95.9	9,239	5,930	5,271	707100	9,920
70	7/22/2021	96.9	9,385	3,608	5,536	649600	10,322
71	7/22/2021	98.8	8,903	3,434	5,094	705710	9,805
72	7/22/2021	98.6	9,472	3,685	5,503	705240	9,900
73	7/23/2021	97.4	9,460	5,918	5,094	646720	9,460
74	7/23/2021	92.9	9,063	6,130	5,478	705800	10,775
75	7/23/2021	97.0	9,349	6,321	5,559	705800	9,845
76	7/23/2021	95.2	9,532	6,575	4,340	705640	12,144
77	7/24/2021	97.8	9,615	6,322	5,241	705600	9,828
78	7/24/2021	99.2	9,194	5,732	5,216	705100	9,954
79	7/24/2021	100.2	9,298	4,542	5,684	705460	9,910
80	7/25/2021	100.2	8,933	4,943	5,805	705540	9,814
81	7/25/2021	95.4	9,682	6,699	5,910	697140	9,824
82	7/25/2021	94.8	9,475	6,279	5,327	630800	9,335
83	7/25/2021	95.0	9,250	6,031	5,763	705700	9,817
84	7/25/2021	97.7	9,547	6,113	5,620	705860	9,807
85	7/26/2021	93.9	9,007	6,047	5,960	705100	10,745
86	7/26/2021	94.4	9,196	6,286	5,420	150300	10,591
87	7/26/2021	92.9	9,065	6,190	4,832	705900	11,035
88	7/26/2021	94.1	9007	5885	4970	707540	9701
89	7/27/2021	96.8	8605	5574	5598	705540	9833
90	7/27/2021	100	9354	6131	5520	646820	9499
91	7/27/2021	100	8948	6238	5860	705820	9961
92	7/27/2021	97.6	9012	5680	5812	677050	9635
93	7/28/2021	94	8613	6449	5779	704800	9799
94	7/28/2021	99	9201	6395	5705	648520	9389
95	7/28/2021	98.9	8835	6209	5395	691110	9674
96	7/29/2021	99.1	8986	6291	5366	705120	11144
97	7/29/2021	100	8932	4626	5802	668972	9374
98	7/29/2021	101	8655	5890	5820	657480	9468
99	7/30/2021	99.1	8675	6209	4733	705540	11154
100	7/30/2021	99.1	8789	5990	5056	649670	11029
101	7/30/2021	100	8779	5754	5677	705210	10488
102	7/30/2021	100	8951	5880	4685	705460	10546
103	7/30/2021	98.9	8830	6215	4899	612560	10073
104	7/31/2021	101	8867	5972	4996	705520	10683
105	7/31/2021	99.4	8419	5658	5390	606840	9078
106	8/1/2021	99.4	8385	5311	5212	705470	9632
107	8/1/2021	99	8549	5807	5363	631720	10206
108	8/1/2021	99	8509	5842	5032	705390	11192
109	8/1/2021	99	8470	6289	5207	705980	9609

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JAN 29 2024  
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Environmental Protection

05/31/2024

HG Energy II  
Appalachia, LLC  
Well No. McDonald  
1211 S-7H As-Drilled



Page 1 of 4

11,737' to Bottom Hole

4,568' to Top Hole

BTM LATITUDE 39 - 05 - 00  
TOP LATITUDE 39 - 10 - 00

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

11,912' to Top Hole

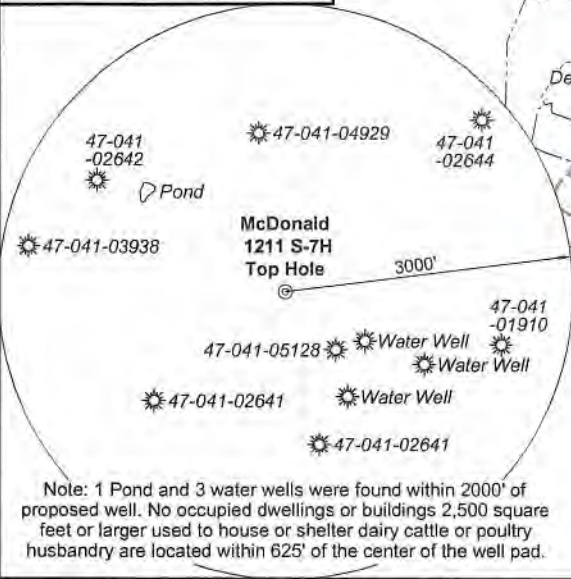
2,572' to Bottom Hole

**Notes:**  
Well No. McDonald 1211 S-7H  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°08'02.23" Latitude: 39°04'34.57"  
Longitude: 80°28'27.99" Longitude: 80°27'28.88"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,331,783.284m N: 4,325,390.548m  
E: 545,439.176m E: 546,896.635m  
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. McDonald 1211 S-7H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,211,858.99'  
E: 1,789,495.03'  
Landing Point Coordinates  
N: 14,211,033.63'  
E: 1,787,192.74'  
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N: 14,190,885.49'  
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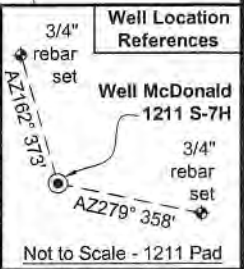
I, the undersigned, hereby certify  
that this plat is correct to the best  
of my knowledge and belief and  
shows all the information required  
by law and the rules issued and  
prescribed by the Department of  
Environmental Protection.

*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°49' W	2,965.8'
L2	N 75°29' W	2,362.3'
L3	N 29°41' W	2,093.5'
L4	N 45°25' E	1,190.4'



FILE NO: 79-36-12-U-F-18  
DRAWING NO: McDonald 1211 S-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
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  
SURFACE OWNER: HG Energy II Appalachia, LLC QUADRANGLE: BH - Weston  
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: 7,042' TVD  
29,266' MD

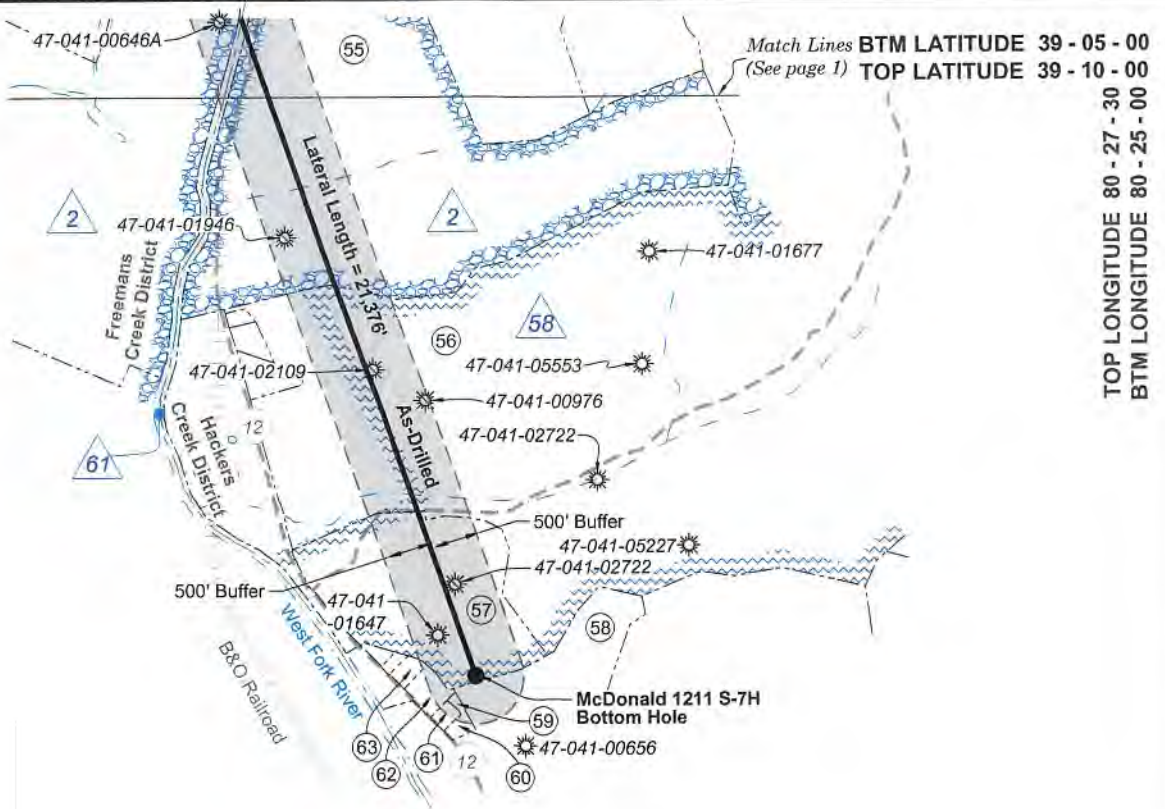
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

05/31/2024

**HG Energy II  
Appalachia, LLC  
Well No. McDonald  
1211 S-7H As-Drilled**



Page 2 of 4



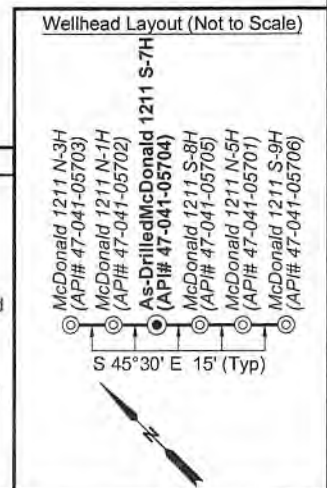
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Office of Oil and Gas

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WV Department of  
Environmental Protection

ID	Lease
2	Prudence M. O'hara, et al
3	T.S. Hoffman, et al
6	Mary E. Clark, et vir
7	W.A. Chittum, et al
10	J.L. Post, et al
12	G.C. Smith
13	Bertha H. Nay, et al
28	Mike Ross, Inc., et al
29	J.L. Allman, et al
30	W.D. Allman, et al
38	C. Burke Morris, et al
39	Cyrus W. Smith, et al
45	Mary E. Post, et al
54	Dominion Energy Transmission, Inc.
58	A.W. Woodford, et al
59	WVU Board of Governors
61	WVDNR

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-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
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: Putnam  
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: 7,042' TVD  
29,266' 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

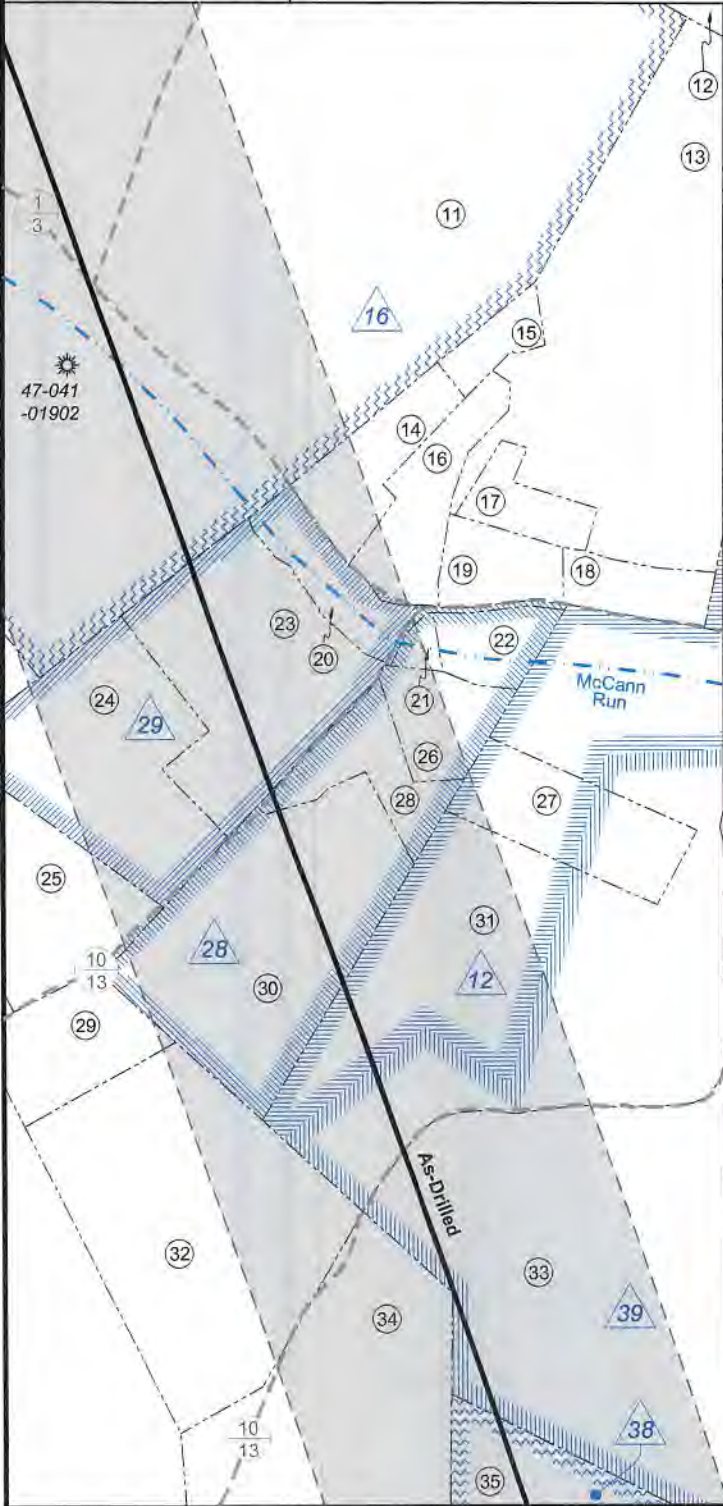


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Office of Oil and Gas

JAN 29 2024

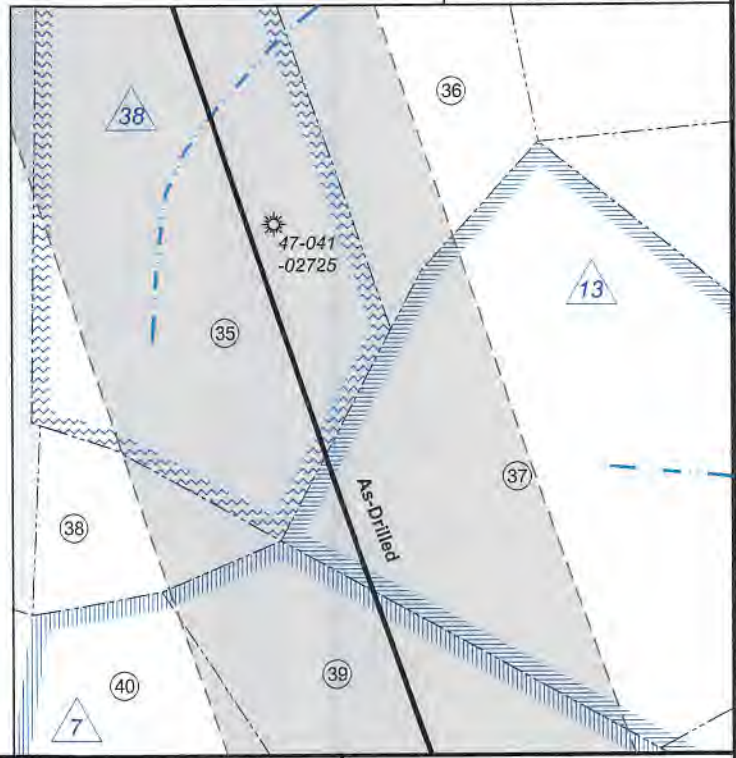
WV Department of  
Environmental Protection

Detail 1 - Scale: 1" = 500'



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 / 42	Brincefield Family Trust	588 / 740	28.00
5	6B / 43	Brincefield Family Trust	588 / 740	69.36
6	6B / 53	Brincefield Family Trust	588 / 740	10.51
7	6B / 52	Frank McDonald	479 / 8	3.73
8	6B / 44	David G. Layton	697 / 278	75.50
9	6C / 59	Charles W. & Debra D. Queen	543 / 274	0.55
10	6C / 62	Bryan T. Beam, et al	W46 / 461	37.83
11	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
12	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
13	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
14	7C / 1.1	Timothy J. & Tawney A. Wyatt	509 / 18	2.10
15	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
16	7C / 1.3	Cecil L. & Sona J. Dempsey	437 / 356	2.22
17	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
18	7C / 2	Jane E. Horn	F30 / 607	1.19
19	7C / 3	Benjamin T. & Casey Brown	605 / 657	1.32
20	7C / 4	Kristy D. Kenwood	723 / 99	2.53
21	7C / 5.2	Richard A. & Becky B. Westfall	736 / 553	0.26
22	7C / 5.1	Shaun C. & Sheila K. Dempsey	506 / 752	1.15
23	6C / 56	Kenneth B. & Lydia M. Burroughs	640 / 110	6.35
24	6C / 56.1	Kenneth B. & Lydia M. Burroughs	361 / 369	6.12
25	6C / 55	Kenneth B. & Lydia M. Burroughs	336 / 47	5.10

Detail 2 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18  
DRAWING NO: McDonald 1211 S-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
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) \_\_\_\_\_ 7,042' TVD

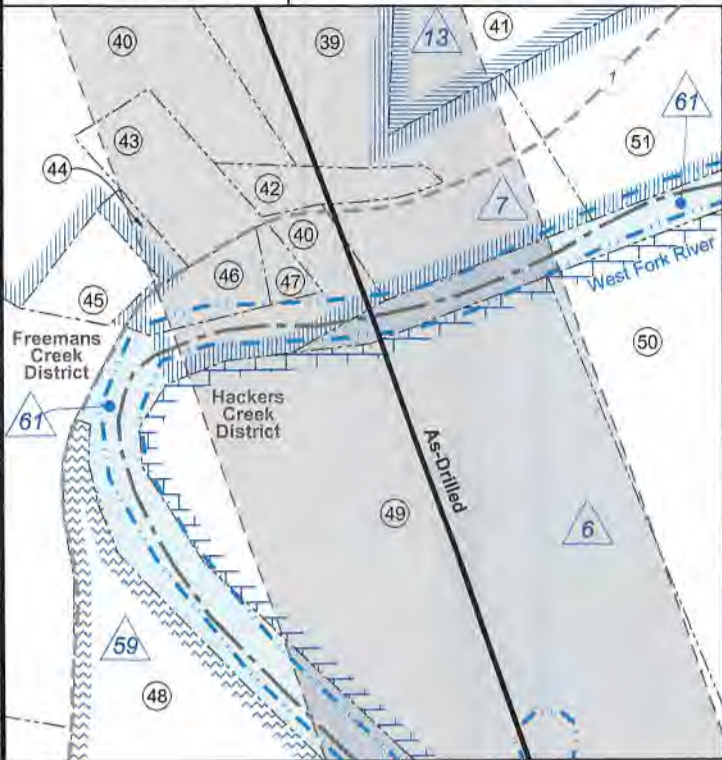
PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,266' MD

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

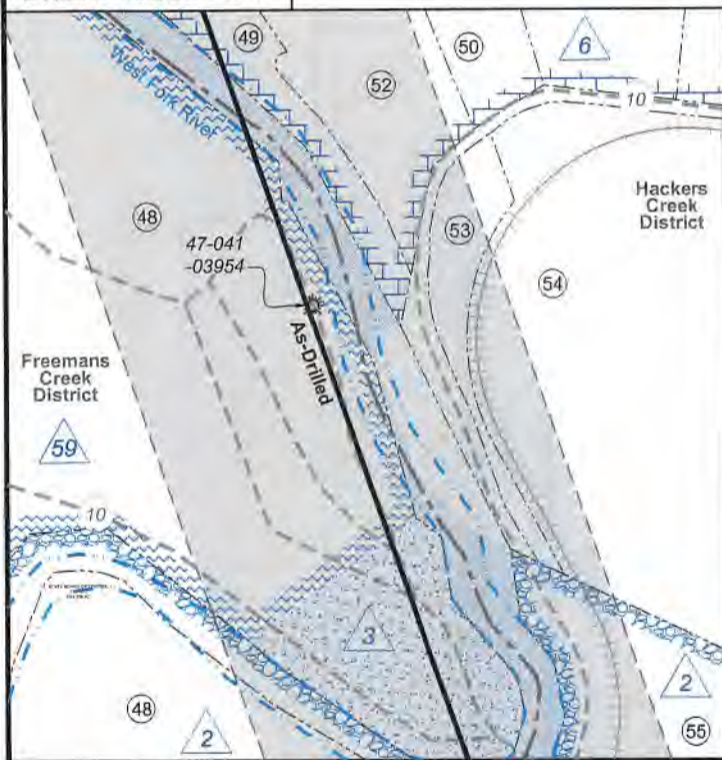


Detail 3 - Scale: 1" = 500'



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JAN 29 2024  
WV Department of  
Environmental Protection

Detail 4 - Scale: 1" = 500'



No.	TM / Par	Owner	Bk / Pg	Ac.
26	7C / 5.3	Phillip J. & Roberta A. Stutler	359 / 443	1.67
27	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
28	7C / 5.5	Phillip J. & Roberta A. Stutler	400 / 733	1.68
29	6C / 54	Kenneth B. & Lydia M. Burroughs	336 / 47	2.00
30	7C / 5	James M. Posey	667 / 710	6.06
31	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
32	6C / 53	Kenneth B. & Lydia M. Burroughs	336 / 47	11.00
33	7C / 6.2	Bette Garath	W20 / 230	36.15
34	7C / 7	Bette Garath	W20 / 230	34.00
35	7C / 9	Bette Garath	W20 / 230	31.00
36	7C / 8	Bette Garath	W20 / 230	20.00
37	7C / 22	Fred Allen Bailey	452 / 268	35.35
38	7C / 10	Bette Garath	W20 / 230	4.20
39	7C / 11	Donna M. & Aubrey E. Smith, Jr.	740 / 926	37.39
40	7C / 12	Donna M. & Aubrey E. Smith, Jr.	740 / 926	36.35
41	7C / 22.2	Donna J. Williams, et al	F31 / 405	28.69
42	7C / 11.1	Robert G. Elliot	660 / 512	1.15
43	7C / 13	Ethel J. Bulka	545 / 372	2.40
44	7C / 14	Jason Sloan	633 / 605	0.43
45	7C / 15	Wilma Wine	W48 / 821	1.15
46	7C / 17	E. Jean Bulka	605 / 841	1.20
47	7C / 18	T.G. Rentals, LLC	740 / 637	0.75
48	7D / 32	WVU Board of Governors	584 / 524	221.65
49	7D / 1	James A. & Carol T. Smith	343 / 62	29.57
50	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
51	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
52	7D / 3	Larry H. McCoy	367 / 208	7.18
53	7D / 4	James A. & Carol T. Smith	343 / 62	2.48
54	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
55	7D / 5	WVU Board of Governors	584 / 524	323.00
56	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	572.21
57	7E / 68	Delores B. Adler	--- / ---	67.11
58	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
59	7E / 28	Jonathon L. Barnes, et al	751 / 946	0.60
60	7E / 22	John W. Nash, et al	724 / 564	1.40
61	7E / 23	Jonathon L. Barnes, et al	751 / 946	1.25
62	7E / 24	Janette L. Byrd	W49 / 352	3.26
63	7E / 25	Dennis E. & Whitney Ballard	572 / 820	1.53

FILE NO: 79-36-12-U-F-18  
DRAWING NO: McDonald 1211 S-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
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  
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PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,266' MD

WELL OPERATOR: HG Energy II Appalachia, LLC  
ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White  
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HG Energy II  
Appalachia, LLC  
Well No. McDonald  
1211 S-7H As-Drilled



Page 1 of 4

11,737' to Bottom Hole

4,568' to Top Hole

BTM LATITUDE 39 - 05 - 00  
TOP LATITUDE 39 - 10 - 00

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

11,912' to Top Hole

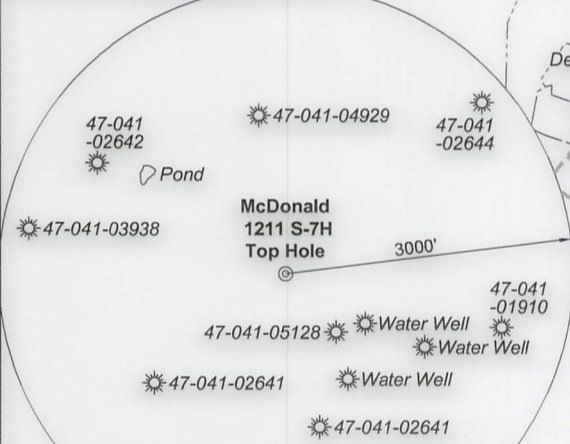
2,572' to Bottom Hole

Notes:  
Well No. McDonald 1211 S-7H  
West Virginia Coordinate System of 1927, North Zone  
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Latitude: 39°08'02.23" Latitude: 39°04'34.57"  
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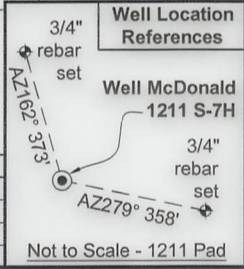
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*Dwayne D. Matheny*  
Dwayne D. Matheny, P.S. 2070



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FILE NO: 79-36-12-U-F-18  
DRAWING NO: McDonald 1211 S-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
STATE COUNTY PERMIT

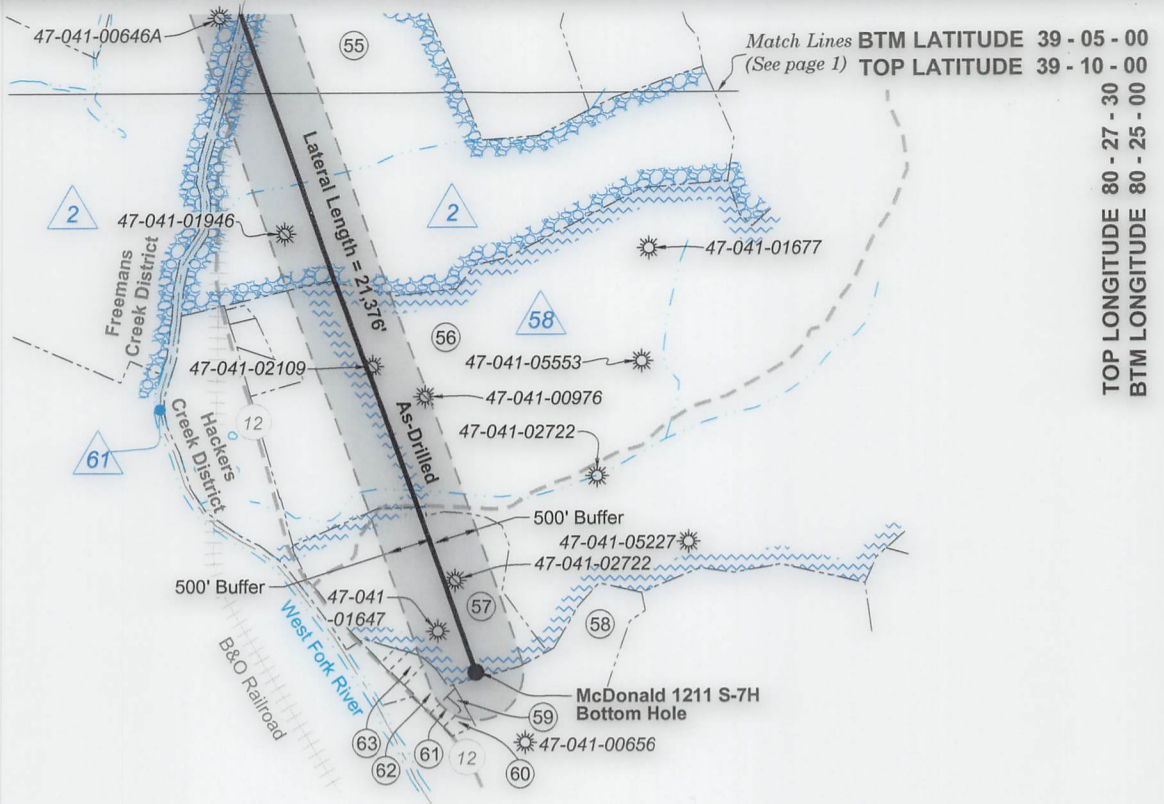
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek TH - West Milford  
SURFACE OWNER: HG Energy II Appalachia, LLC QUADRANGLE: BH - Weston  
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00 COUNTY: Boone  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ ACREAGE: 61.50  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,266' MD 7,042' TVD

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-7H As-Drilled



Page 2 of 4

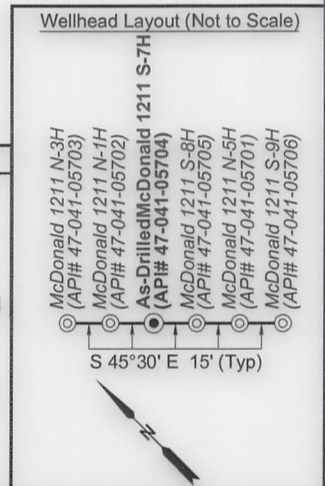


BTM LATITUDE 39 - 05 - 00  
TOP LATITUDE 39 - 10 - 00  
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BTM LONGITUDE 80 - 25 - 00

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54	Dominion Energy Transmission, Inc.
58	A.W. Woodford, et al
59	WVU Board of Governors
61	WVDNR

**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-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
STATE COUNTY PERMIT

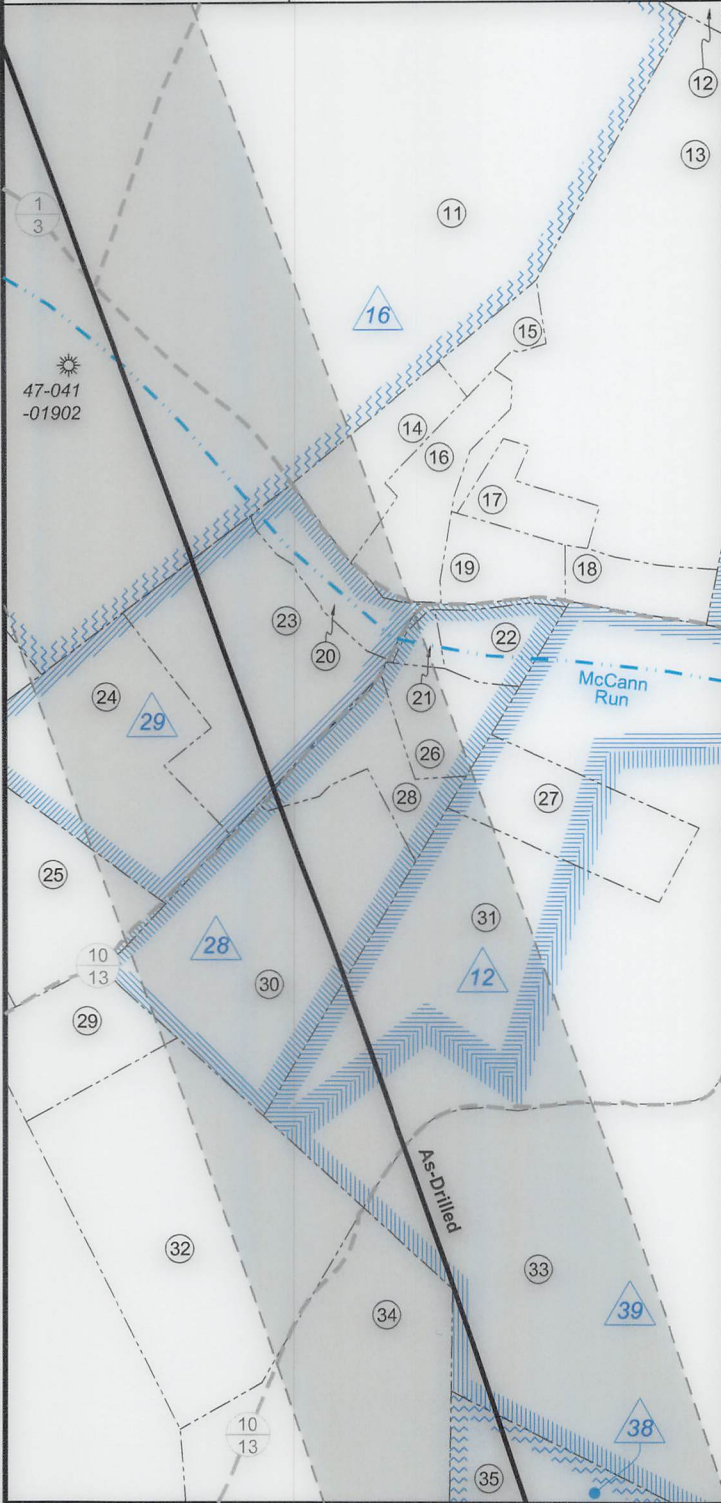
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

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  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 7,042' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,266' 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

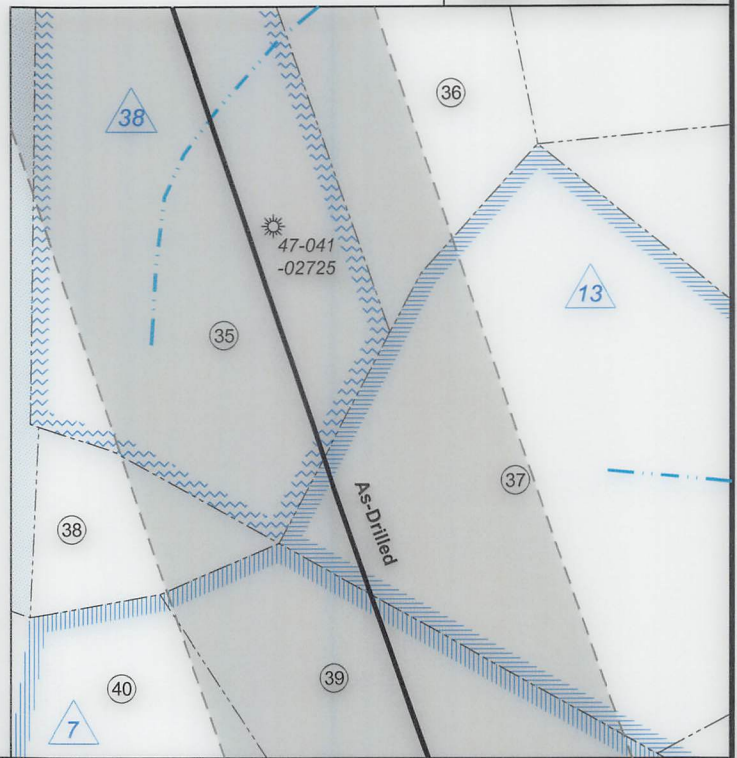


Detail 1 - Scale: 1" = 500'



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 / 42	Brincefield Family Trust	588 / 740	28.00
5	6B / 43	Brincefield Family Trust	588 / 740	69.36
6	6B / 53	Brincefield Family Trust	588 / 740	10.51
7	6B / 52	Frank McDonald	479 / 8	3.73
8	6B / 44	David G. Layton	697 / 278	75.50
9	6C / 59	Charles W. & Debra D. Queen	543 / 274	0.55
10	6C / 62	Bryan T. Beam, et al	W46 / 461	37.83
11	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
12	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
13	7C / 1	Troy D. Wilsoncroft	724 / 241	22.76
14	7C / 1.1	Timothy J. & Tawney A. Wyatt	509 / 18	2.10
15	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
16	7C / 1.3	Cecil L. & Sona J. Dempsey	437 / 356	2.22
17	7C / 1.4	Joyce Lea Williams, et al	638 / 86	1.11
18	7C / 2	Jane E. Horn	F30 / 607	1.19
19	7C / 3	Benjamin T. & Casey Brown	605 / 657	1.32
20	7C / 4	Kristy D. Kerwood	723 / 99	2.53
21	7C / 5.2	Richard A. & Becky B. Westfall	736 / 553	0.26
22	7C / 5.1	Shaun C. & Sheila K. Dempsey	506 / 752	1.15
23	6C / 56	Kenneth B. & Lydia M. Burroughs	640 / 110	6.35
24	6C / 56.1	Kenneth B. & Lydia M. Burroughs	361 / 369	6.12
25	6C / 55	Kenneth B. & Lydia M. Burroughs	336 / 47	5.10

Detail 2 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18  
DRAWING NO: McDonald 1211 S-7H 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-7H  
API WELL NO  
47 - 041 - 05704  
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

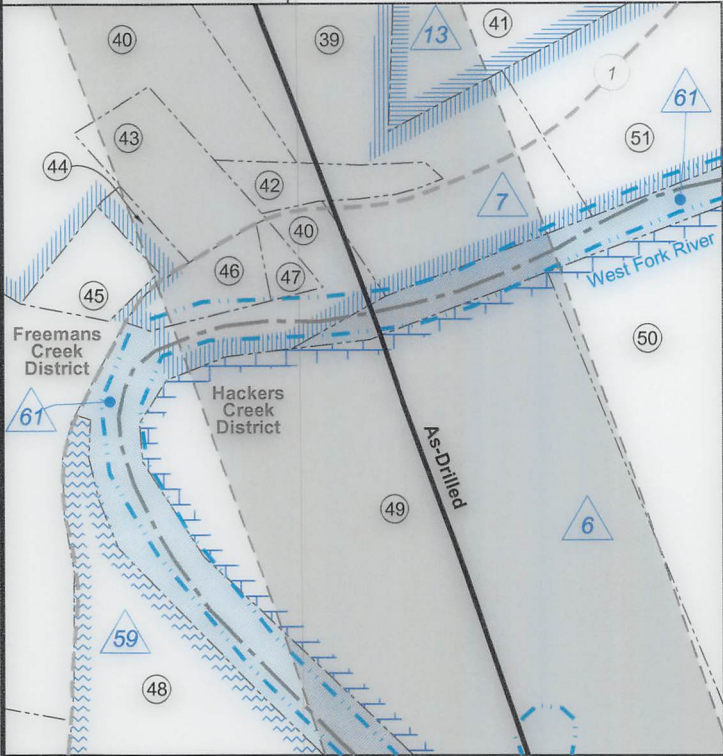
SURFACE OWNER: HG Energy II Appalachia, LLC  
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 145.00  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,266' MD 7,042' TVD

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

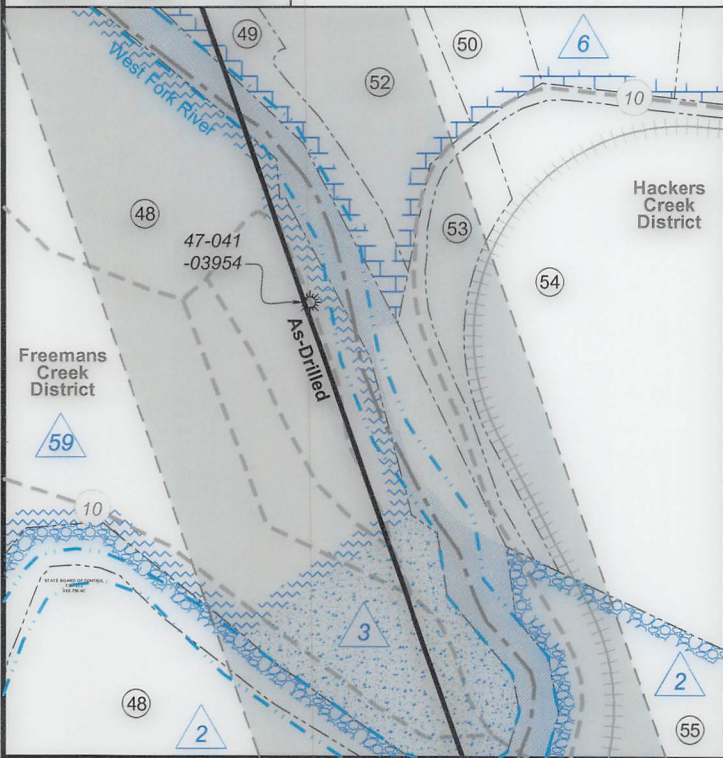




**Detail 3 - Scale: 1" = 500'**



**Detail 4 - Scale: 1" = 500'**



No.	TM / Par	Owner	Bk / Pg	Ac.
26	7C / 5.3	Phillip J. & Roberta A. Stutler	359 / 443	1.67
27	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
28	7C / 5.5	Phillip J. & Roberta A. Stutler	400 / 733	1.68
29	6C / 54	Kenneth B. & Lydia M. Burroughs	336 / 47	2.00
30	7C / 5	James M. Posey	667 / 710	6.06
31	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
32	6C / 53	Kenneth B. & Lydia M. Burroughs	336 / 47	11.00
33	7C / 6.2	Bette Garath	W20 / 230	36.15
34	7C / 7	Bette Garath	W20 / 230	34.00
35	7C / 9	Bette Garath	W20 / 230	31.00
36	7C / 8	Bette Garath	W20 / 230	20.00
37	7C / 22	Fred Allen Bailey	452 / 268	35.35
38	7C / 10	Bette Garath	W20 / 230	4.20
39	7C / 11	Donna M. & Aubrey E. Smith, Jr.	740 / 926	37.39
40	7C / 12	Donna M. & Aubrey E. Smith, Jr.	740 / 926	36.35
41	7C / 22.2	Donna J. Williams, et al	F31 / 405	28.69
42	7C / 11.1	Robert G. Elliot	660 / 512	1.15
43	7C / 13	Ethel J. Bulka	545 / 372	2.40
44	7C / 14	Jason Sloan	633 / 605	0.43
45	7C / 15	Wilma Wine	W48 / 821	1.15
46	7C / 17	E. Jean Bulka	605 / 841	1.20
47	7C / 18	T.G. Rentals, LLC	740 / 637	0.75
48	7D / 32	WVU Board of Governors	584 / 524	221.65
49	7D / 1	James A. & Carol T. Smith	343 / 62	29.57
50	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
51	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
52	7D / 3	Larry H. McCoy	367 / 208	7.18
53	7D / 4	James A. & Carol T. Smith	343 / 62	2.48
54	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
55	7D / 5	WVU Board of Governors	584 / 524	323.00
56	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	572.21
57	7E / 68	Delores B. Adler	--- / ---	67.11
58	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
59	7E / 28	Jonathon L. Barnes, et al	751 / 946	0.60
60	7E / 22	John W. Nash, et al	724 / 564	1.40
61	7E / 23	Jonathon L. Barnes, et al	751 / 946	1.25
62	7E / 24	Janette L. Byrd	W49 / 352	3.26
63	7E / 25	Dennis E. & Whitney Ballard	572 / 820	1.53

FILE NO: 79-36-12-U-F-18  
 DRAWING NO: McDonald 1211 S-7H 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-7H  
 API WELL NO  
 47 - 041 - 05704  
 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: 7,042' TVD 29,266' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

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