

HG Energy II Appalachia, LLC
Well No. 1207 S-10H

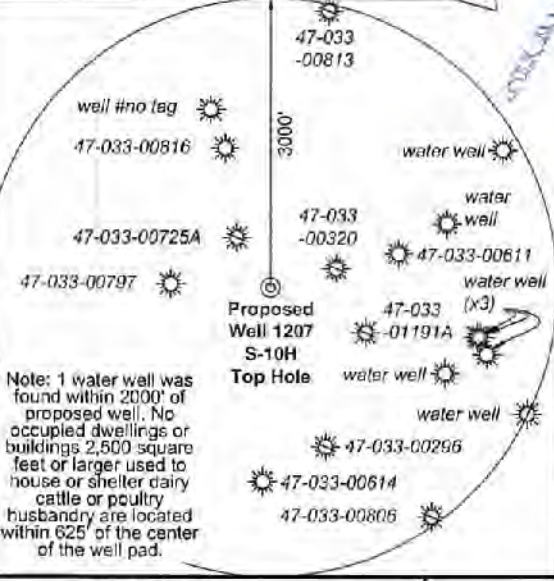
Page 1 of 4

Notes:
Well No. 1207 S-10H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,315.13'
E: 1,809,833.67'
Landing Point Coordinates
N: 14,218,214.06'
E: 1,810,638.30'
Bottom Hole Coordinates
N: 14,204,192.23'
E: 1,815,797.97'

Legend

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

Notes: Well No. 1207 S-10H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°09'04.81" Latitude: 39°06'44.78"
Longitude: 80°24'09.25" Longitude: 80°22'54.74"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,333,751.119m N: 4,329,446.451m
E: 551,638.406m E: 553,456.328m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.



Tag	Bearing	Dist.
L1	S 02°54' E	1,494.2'
L2	S 16°29' W	1,583.6'
L3	S 75°02' W	2,144.3'
L4	N 73°36' W	976.0'
L5	S 82°50' E	811.0'

7,816' to Top Hole
1,950' to Bottom Hole

TOP LATITUDE 39 - 10 - 00
BTM LATITUDE 39 - 07 - 30

LONGITUDE 80 - 22 - 30
4,574' to Bottom Hole
5,582' to Top Hole



Bottom Hole
7.5' Spot



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

FILE NO: 296-36-G-18
DRAWING NO: 1207 S-10H Well Plat
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: August 21 2019
OPERATOR'S WELL NO. 1207 S-10H
API WELL NO
47 - 033 - 05975
STATE COUNTY PERMIT

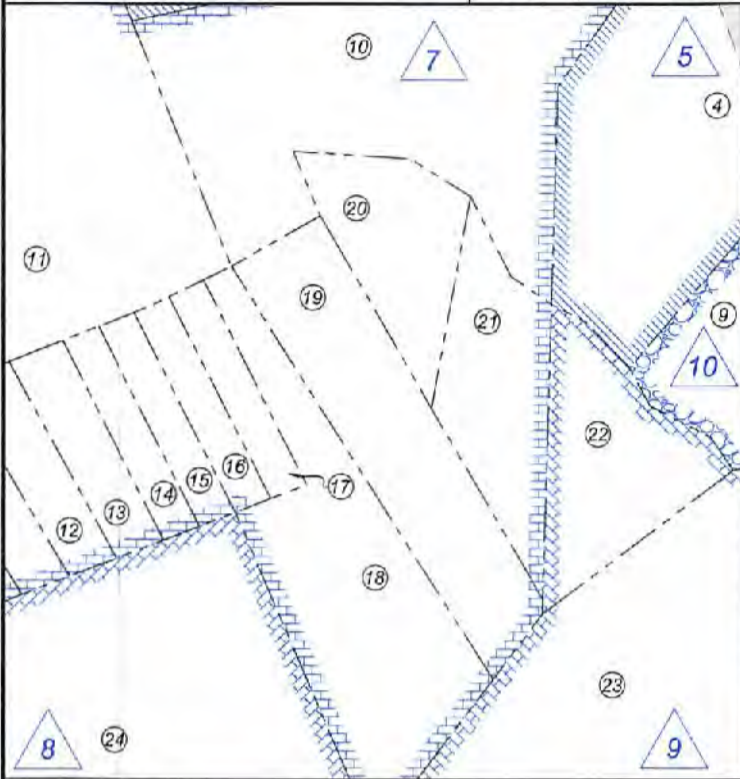
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant QUADRANGLE: Top: West Milford Btm: Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Harrison
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 89.07
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,593' 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

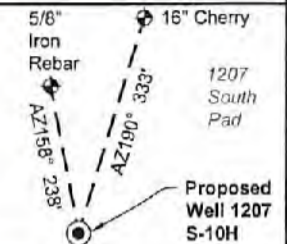


Detail 1 (Scale 1"=500')

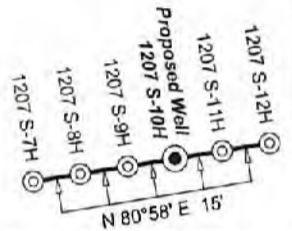


ID	Lease
2	A J. Smith, et ux
3	Dora B. McWhorter, et al
5	Union National Bank Trustee of Gore Morris
6	Martha E. Lambert
7	John T. Freeman
8	Walter Neely, et al
9	William H. & Fannie M. Homer
10	Hazel Chandler
11	William L. Horner, et al
16	Robert F. Martin, et al
17	Robert F. Martin, et al
21	Nathan McWhorter, et al
22	Nathan G. & Dora E. McWhorter
23	J.W. Jackson
24	William C. White
25	Nathan McWhorter, et al
26	Hunter Cooper, et al
27	Nella J. Fitzpatrick, et al
31	J.A. Shock, et ux
32	James W. Rogers, et al
33	Hugh Davis, et al
35	Willard J. Prince, et al
36	Garnett M. Corley
38	Hugh Davis, et al
39	Virginia A. Nepps
40	Myrtle Edmonds, et al
41	Myrtle Edmonds, et al
43	Margaret Howell, et vir
44	J.W.C. Kolb, et ux
45	A.L. Waggoner, et al
50	Dale McWhorter, et al

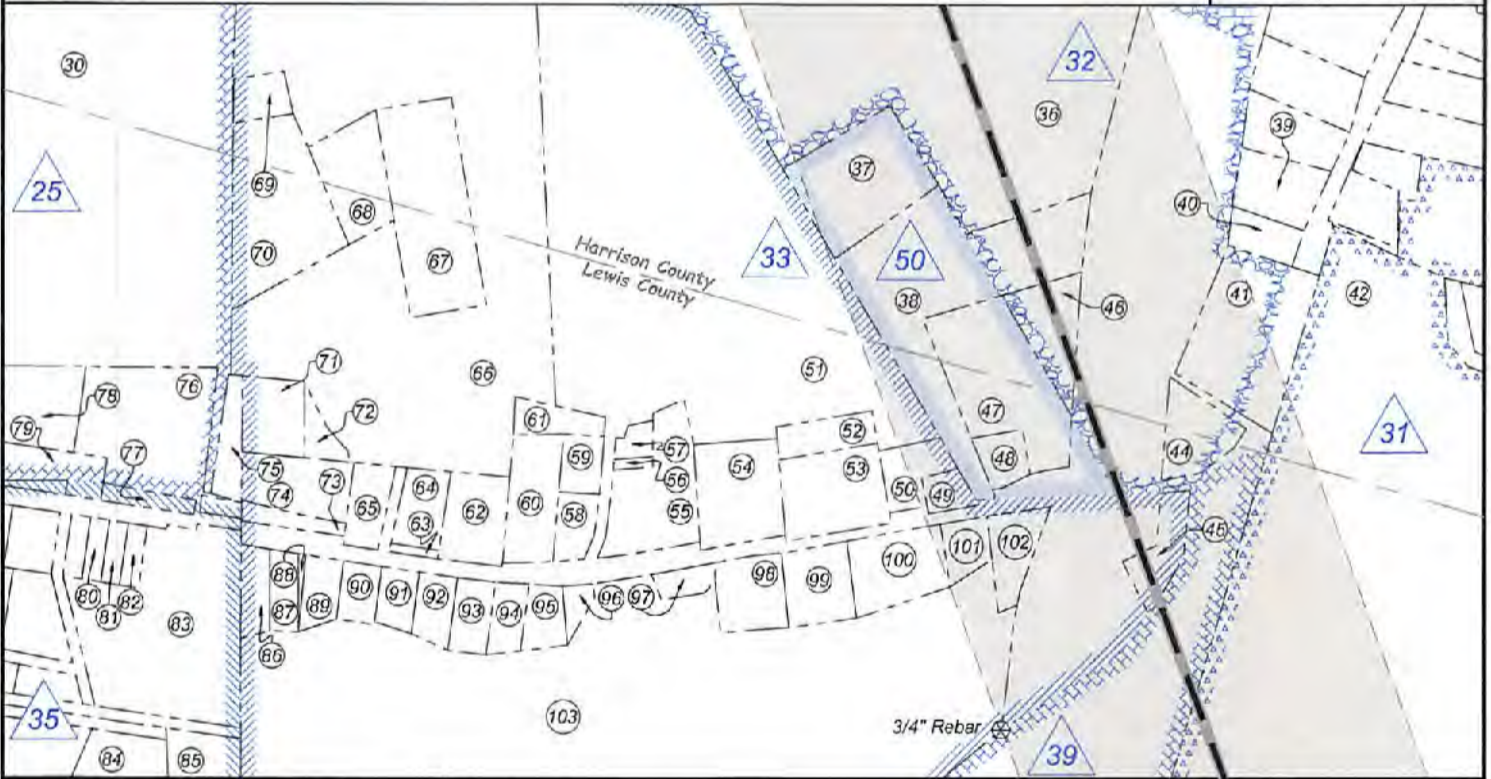
Well Location References
Not to Scale



Wellhead Layout (NTS)



Detail 2 (Scale 1"=500')



FILE NO: 296-36-G-18
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PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: August 21 2019
OPERATOR'S WELL NO. 1207 S-10H
API WELL NO
47 - 033 -
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant

Top: West Milford
Btm: Weston
QUADRANGLE:
COUNTY: Harrison
ACREAGE: 89.07

SURFACE OWNER: HG Energy II Appalachia, LLC
ROYALTY OWNER: Dora B. McWhorter, et al

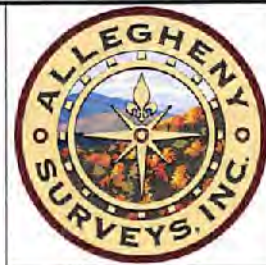
LEASE NO: ACREAGE: 103.00

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: 22,593' MD 7,145' TVD

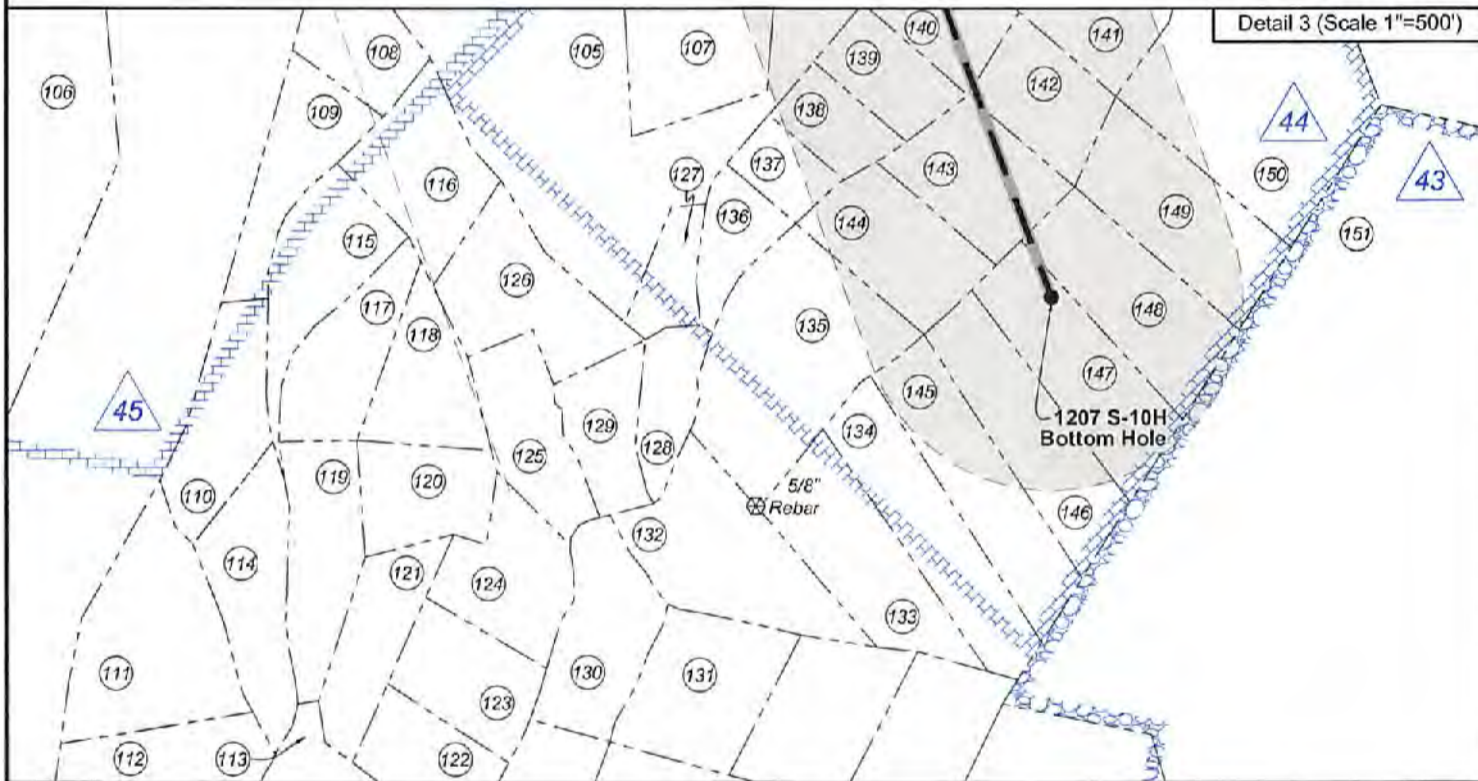
WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101



Harrison Co. - Grant Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	HG Energy II Appalachia, LLC	--- / ---	89.07
2	445 / 3	Lisa M. Nutter	W188 / 687	64.00
3	445 / 12	Lisa M. Nutter	W188 / 687	64.50
4	445 / 13	Mickey Pelitto	W175 / 1167	132.85
5	445 / 13.1	Martha E. Lambert	--- / ---	26.77
6	445 / 14	Martha E. Lambert	1276 / 582	2.61
7	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
8	445 / 15	Margaret S. Fisher	1276 / 576	49.69
9	445 / 28	Margaret S. Fisher	1200 / 626	28.75
10	445 / 26	Leland Freeman	W188 / 329	15.25
11	445 / 25	Leland Jackson Freeman	W167 / 371	21.00
12	445 / 35.1	Robert Freeman	1510 / 178	1.85
13	445 / 35	Robert Freeman	1266 / 521	3.82
14	445 / 38	Leland Jackson Freeman	W167 / 371	1.34
15	445 / 37	Leland Jackson Freeman	W167 / 371	1.34
16	445 / 38	Leland Jackson Freeman	W167 / 371	1.34
17	445 / 39	Leland Jackson Freeman	W167 / 371	1.34
18	445 / 40	Leland Jackson Freeman	W167 / 371	8.20
19	445 / 41	Charles Sutton	--- / ---	7.40
20	445 / 42	Ivy Myrtle Freeman	W56 / 47	4.80
21	445 / 42.1	Charles R. Sutton	--- / ---	3.00
22	445 / 43	Charles R. & Franklin L. Sutton	1623 / 1057	4.65

Harrison Co. - Grant Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
23	445 / 47	Charles R. & Franklin L. Sutton	1623 / 1057	78.00
24	445 / 46	James W. Riffle II, et al	1385 / 259	140.43
25	445 / 15	Margaret S. Fisher	1276 / 576	49.69
26	446 / 30	Charles R. Sutton	1535 / 207	29.00
27	446 / 31	Richard L. Hawkins, Jr.	1569 / 982	58.96
28	465 / 10	Catherine D. Weber	1495 / 458	81.50
29	465 / 4.1	J. Gregory & Rebecca Moore	1421 / 350	353.80
30	465 / 1	Catherine D. Weber	1495 / 458	103.72
31	466 / 5	Mary Reel	1244 / 948	75.48
32	466 / 4	Mary Reel	1244 / 948	10.90
33	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
34	466 / 1	Worthey E. & Connie S. Poe	1240 / 388	25.16
35	466 / 20	Worthey E. & Connie S. Poe	1240 / 388	49.24
36	466 / 39.1	Worthey E. & Connie S. Poe	1240 / 388	28.88
37	466 / 57.1	Martha L. Davis	W168 / 435	1.91
38	466 / 57.2	Vicki & Michael Davis	1198 / 1125	4.16
39	466 / 57.2	Vicki & Michael Davis	1198 / 1125	4.16
40	466 / 41	Dominic Transmission	A158 / 382	0.77
41	466 / 59	David & Ladonna Manley	1380 / 151	1.68
42	466 / 40	Frank N. Wine, Jr. & III	1596 / 809	42.04
43	465 / -	Unknown Parcel	--- / ---	16.52



FILE NO: 296-36-G-18
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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: August 21 2019
OPERATOR'S WELL NO. 1207 S-10H
API WELL NO
47 - 033 - 05975
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant QUADRANGLE: Top: West Milford Btm: Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Harrison
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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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



Lewis Co. - Hackers Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
44	9C / 49	Timothy Dean Skinner	W4 / 706	1.35
45	9C / 50	Sharon Lee Allman	W47 / 298	0.73
46	9C / 46	Josephine M. Richardson	681 / 790	0.80
47	9C / 47	Josephine M. Richardson	681 / 790	2.36
48	9C / 45	Josephine M. Richardson	681 / 790	0.40
49	9C / 5.2	James R. & Sharon L. Allman	357 / 369	0.27
50	9C / 5.11	James R. & Sharon L. Allman	582 / 388	0.54
51	9C / 5	Steven Davis, et ux	665 / 329	20.47
52	9C / 6.11	Steve Davis & Darlene Davis	623 / 356	0.50
53	9C / 31	Steven M. Davis, et ux	713 / 12	1.62
54	9C / 5.3	Ryan K. Dumoni, et ux	701 / 418	1.24
55	9C / 6.15	James R. Allman, et ux	662 / 432	1.51
56	9C / 6.18	Tarne & Mark Gregory	663 / 744	0.06
57	9C / 5.12	Mark A. Gregory, et ux	597 / 290	0.18
58	9C / 5.10	Angela M. Batten, et al	726 / 545	0.40
59	9C / 5.7	Mark A. Gregory, et ux	597 / 290	0.37
60	9C / 4	Joseph C. Rumbach, et ux	440 / 196	1.00
61	9C / 5.9	Christopher James Allman, et ux	513 / 527	0.41
62	9C / 3.2	David M. Hughes	506 / 714	0.85
63	9C / ---	Monongahela Vally Traction Co.	76 / 424	0.06
64	9C / 3	Mary J. Radcliff, et al	W46 / 491	0.55
65	9C / 3.1	Nolan D. Gunter, Jr., et ux	594 / 145	0.50
66	9C / 6	Steven Davis, et ux	665 / 329	16.99
67	9C / 6.12	Amy N. Davis & Ryan K. Dumoni	640 / 349	2.50
68	9C / 6.13	April D. & Brannon L. Jordan	641 / 42	1.05
69	9C / 6.3	Steve & Darlene Davis	665 / 329	0.38
70	9C / 6.14	April D. & Brannon L. Jordan	641 / 42	2.34
71	9C / 6.10	Elizabeth Post	594 / 764	0.74
72	9C / 6.17	Elizabeth Post	664 / 702	0.26
73	9C / 2	Nolan D. Gunter, Jr., et ux	594 / 145	0.25
74	9C / 1	Nolan D. Gunter, Jr., et ux	594 / 145	0.90
75	6 / 3	Catharine Weber	663 / 603	0.44
76	6 / 2.2	Willard J. Prince	--- / ---	0.24
77	6 / 2	Willard J. Prince	W22 / 109	1.22
78	6 / 1	Willard J. Prince	W22 / 109	4.75
79	6 / 2.1	JSB Land Holding	684 / 432	0.97
80	6 / 13	Jackie Lee Frazier	244 / 399	0.18
81	6 / 14	Daniel R. Rochelle L. Hinkle	732 / 6	0.18
82	6 / 15	Daniel R. Rochelle L. Hinkle	732 / 6	0.18
83	6 / 16	Floyd S. Woodyard	W6 / 138	4.00
84	6 / 31	Steven L. & Anna M. Butcher	543 / 765	3.34
85	6 / 32	Ronzel C. & Sandra K. Richards	317 / 331	4.00
86	9C / 5.6	Maranda K. Langbein	651 / 728	0.38
87	9C / 6.1	Robert Lee Smith, et ux	520 / 670	0.35
88	9C / 6.5	Robert Lee Smith, et ux	536 / 42	0.04
89	9C / 6.4	Kelly C. Montgomery	721 / 40	0.39
90	9C / 6.6	Charles W. Davis, et ux	611 / 655	0.35
91	9C / 6.8	Jerry D. Muncy, et ux	569 / 687	0.35
92	9C / 6.9	Jerry D. Muncy, et ux	569 / 687	0.40
93	9C / 6.7	Richard E. Ratliff, et ux	567 / 47	0.44
94	9C / 5.14	John M. Krupia, et ux	599 / 37	0.39
95	9C / 5.13	John M. Krupia, et ux	599 / 37	0.37
96	9C / 5.8	Charles E. Miller, et ux	663 / 185	0.18
97	9C / 5.5	T&G Rentals, LLC	667 / 767	0.24

Lewis Co. - Hackers Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
98	9C / 7.1	Shaylea Suzanna Allman	670 / 621	0.77
99	9C / 7.2	Marcus Shane Gregory	673 / 609	0.80
100	9C / 7.3	Tyke Bryant Foster II	716 / 270	1.04
101	9C / 5.4	Jeffrey Russell Allman	162 / 588	0.38
102	9C / 5.1	Dominion Energy Transmission	--- / ---	0.70
103	9C / 7	Sharon Lee Allman	W47 / 298	74.55
104	9C / 30	Mike Ross Inc.	550 / 561	38.77
105	9C / 16.3	Mike Ross Inc.	712 / 409	42.71
106	9C / 8	Rose Ann & Hunter Kolb	W6 / 670	88.16
107	9C / 16.49	Rick & Carol Nolan	689 / 650	5.00
108	9C / 16.35	Tamera & Jonathan Riggs	724 / 203	2.07
109	9C / 16.36	Tamera & Jonathan Riggs	724 / 203	2.26
110	9C / 16.32	Roy & Rhoda Martin	638 / 722	2.51
111	9C / 16.16	Roy & Rhoda Martin	612 / 82	2.26
112	9C / 16.10	SWN Production Company, LLC	684 / 397	18.16
113	9C / 16.48	Roy & Rhoda Martin	682 / 618	4.29
114	9C / 16.28	Roy & Rhoda Martin	626 / 433	2.71
115	9C / 16.45	Jeffrey & Angela Ross	652 / 418	2.46
116	9C / 16.41	Tamera & Jonathan Riggs	724 / 199	2.62
117	9C / 16.34	Michael Stowers	689 / 418	2.26
118	9C / 16.33	Michael Stowers	689 / 418	2.07
119	9C / 16.13	Joni Nelson Howard	612 / 85	2.52
120	9C / 16.14	Joni Nelson Howard	669 / 642	2.03
121	9C / 16.29	Joni Nelson Howard	627 / 389	1.87
122	9C / 16.46	Roy & Rhoda Martin	662 / 618	2.03
123	9C / 16.47	Roy & Rhoda Martin	662 / 618	2.17
124	9C / 16.53	Joni Nelson Howard	674 / 69	2.38
125	9C / 16.6	Ross A. Lodge	717 / 846	1.73
126	9C / 52	Jeffrey & Ricki Leary	673 / 758	2.95
127	9C / 16.44	Jeremy & Autumn Vance	658 / 345	1.02
128	9C / 16.19	Robert P. Lindsey J. Shephard	717 / 515	1.31
129	9C / 51	Jeffrey & Ricki Leary	673 / 744	1.64
130	9C / 16.21	David & Treva Bonnett	620 / 345	2.70
131	9C / 16.1	Mahadeo Ramkissoon	600 / 305	3.00
132	9C / 16.23	Brian W. Smith	712 / 459	1.60
133	9C / 16.43	Jason Eager	658 / 291	3.18
134	9C / 16.7	Sarah Nealis	684 / 321	6.37
135	9C / 16.11	Brian & Deborah Shillingburg	726 / 816	5.25
136	9C / 16.8	Virginia Barmette	608 / 505	1.25
137	9C / 16.2	Cody Kemper	736 / 800	0.96
138	9C / 16.31	Ross & Brenda Helmick	678 / 427	1.22
139	9C / 16.57	Samuel McDaniel, Jr.	713 / 53	1.53
140	9C / 16.18	Timothy Rice	702 / 475	2.00
141	9C / 16.5	Robert S. Hinderliter	608 / 6	4.30
142	9C / 16.17	Roberia G. Fisher	639 / 511	2.00
143	9C / 16.30	John T. Vincent	647 / 344	2.56
144	9C / 50	Travis W. Taylor, et al	670 / 245	2.56
145	9C / 16.7	Sarah Nealis	684 / 321	6.37
146	9C / 16.27	Sarah Nealis	691 / 557	3.19
147	9C / 16.25	Paul A. & Karen B. Guillette	617 / 389	3.19
148	9C / 16.26	Paul A. & Karen B. Guillette	617 / 389	3.19
149	9C / 16.24	Paul A. & Karen B. Guillette	617 / 389	3.35
150	9C / 16.4	William A. & Amy D. Burchett	607 / 202	9.66
151	9C / 27	S. Thomas & Eslier M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE: August 21 2019
DRAWING NO: 1207 S-10H Well Plat		OPERATOR'S WELL NO. 1207 S-10H
SCALE: 1" = 2000'		API WELL NO
MINIMUM DEGREE OF ACCURACY: Submeter		47 - 033 - 65935
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV		STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
 DISTRICT: Grant
 SURFACE OWNER: HG Energy II Appalachia, LLC
 ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,593' 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