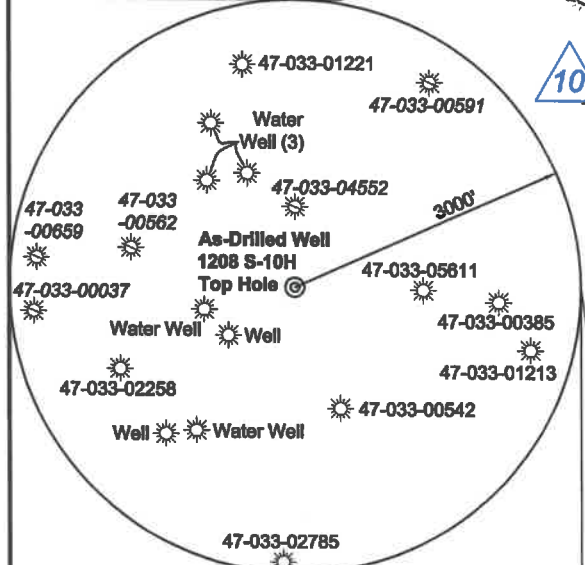


Tag	Bearing	Dist.
L1	S 46°21' E	1,455.1'
L2	S 33°16' E	1,409.4'
L3	S 88°28' W	1,037.8'
L4	N 61°48' W	879.6'
L5	N 89°35' E	1,654.2'

- 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.)



6,344' to Bottom Hole
1,913' to Top Hole
Top Latitude 39 - 10 - 00
Btm Latitude 39 - 07 - 30
Top Longitude 80 - 25 - 00
Btm Longitude 80 - 22 - 30
4,925' to Top Hole
4,809' to Bottom Hole

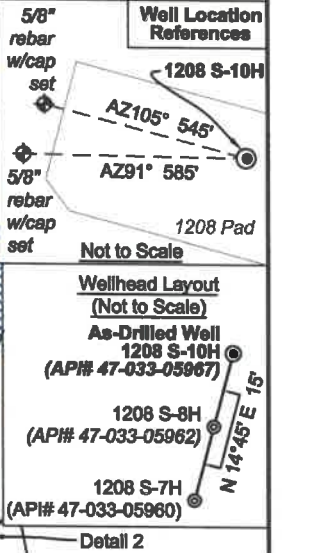
ALLEGHENY SURVEYS, INC.

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. 1208 S-10H
West Virginia Coordinate System of 1927, South Zone
based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'11.31" Longitude: 80°25'24.30" UTM Zone 17, NAD 1983
Bottom Hole coordinates Latitude: 39°06'42.30" Longitude: 80°23'51.31" UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,939.629m E: 549,835.894m
Bottom Hole Coordinates N: 4,329,360.853m E: 552,098.359m
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. 1208 S-10H
UTM NAD 1983 (USSF)
Top Hole Coordinates N: 14,218,933.80' E: 1,803,919.93'
Landing Point Coordinates N: 14,219,241.52' E: 1,805,419.71'
Bottom Hole Coordinates N: 14,203,911.40' E: 1,811,342.70'



FILE NO: 195-36-G-18
DRAWING NO: 1208 S-10H As-Drilled Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

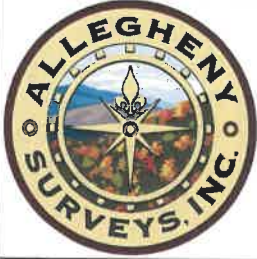
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 29 20 20
OPERATOR'S WELL NO. 1208 S-10H
API WELL NO
47 - 033 - 05967
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,147' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: Linda & William W. Brodwater III
ROYALTY OWNER: Leeman B. Maxwell Helrs, et al LEASE NO: ACREAGE: 247.84
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: 23,809' MD 7,017' TVD

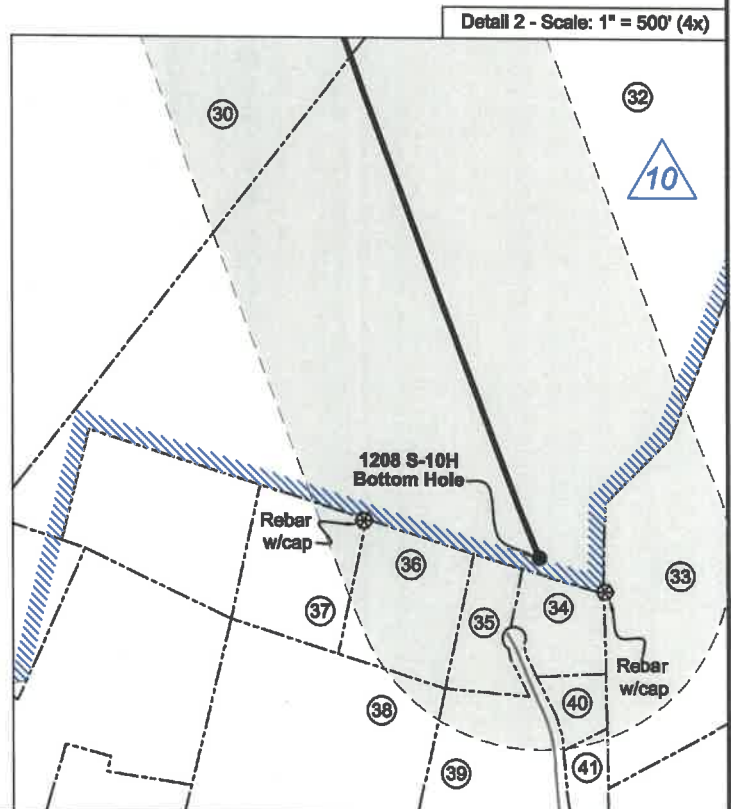
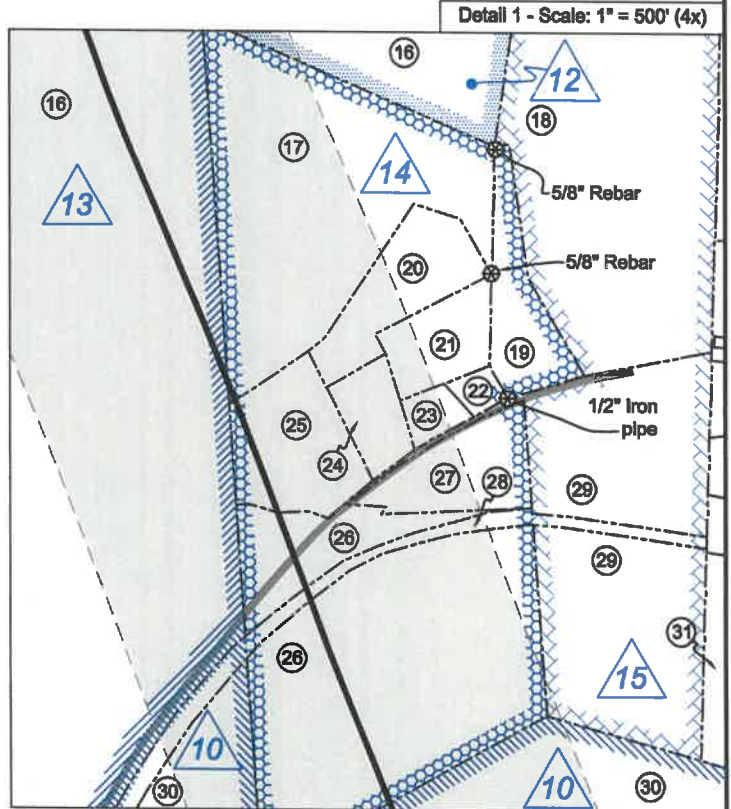
WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road Parkersburg, WV 26101



ID	Lease
1	Jerome B. Gusman
2	Leeman B. Maxwell Helrs
3	A.J. Smith, et ux
4	W.L. & Flora Hughes
5	Hannah H. Smith
6	Walter Neely, et al
7	Page Harmer Thomas, et al
8	Howard Neely
9	W.A. Jackson
10	Isaac Jackson
11	Pearl Reel
12	William C. White
13	J.W. Jackson
14	C.H. Stalnaker, et ux
15	Garnett M. Corley
16	John B. Davison
18	David Kent Moss, et al

Harrison County - Grant-Outside District				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	425 / 31	Linda & William W. Brodwater III	1410 / 1045	247.84
2	445 / 2	Lisa M. Nutter	W687 / 445	84.57
3	445 / 12	Lisa M. Nutter	W687 / 445	64.50
4	445 / 10	Lisa M. Nutter	W687 / 445	66.87
5	445 / 11	Lisa M. Nutter	W687 / 445	75.50
6	445 / 22	John D. Smith Estate	W13 / 53	4.00
7	445 / 23	Robert Allman, et al	W177 / 231	32.84
8	445 / 23.2	Patricia T. Stamm	1341 / 1204	5.06
9	445 / 23.4	Daryl W. & Cheryl Lantz	1477 / 473	1.38
10	445 / 23.3	Daryl W. & Cheryl Lantz	1411 / 900	1.06
11	445 / 23.1	Daryl W. & Cheryl Lantz	1411 / 900	2.50
12	445 / 46	James W. Riffle II & William L. Law	1385 / 259	140.43
13	465 / 6	John G. & Rebecca M. Moore	1421 / 350	21.37
14	465 / 4.1	John G. & Rebecca M. Moore	1421 / 350	353.80
15	445 / 1	Lisa M. Nutter	1577 / 738	87.78

Lewis County - Hackers Creek District				
No.	TM / Par	Owner	Bk / Pg	Ac.
16	8C / 55	William C. White	W23 / 102	92.02
17	8C / 56	Esther M. Riffle	347 / 76	23.12
18	8C / 57	Mary V. Corley Ward	581 / 453	29.28
19	8C / 57.2	Eathan S. Wamsley & Sharon L. Harper	581 / 291	1.72
20	8C / 56.8	Ginger Knight & Howard Knight Jr.	649 / 54	2.06
21	8C / 56.7	Prime Space LLC	614 / 116	1.34
22	8C / 56.3	Prime Space LLC	614 / 120	0.28
23	8C / 56.1	Prime Space LLC	593 / 618	0.42
24	8C / 56.4	Christy Pratt & Rocky L. Lippe	714 / 947	0.94
25	8C / 56.5	Christy Pratt	574 / 546	2.41
26	8C / 56	Esther M. Riffle	347 / 76	23.12
27	8C / 56.6	Jack L. & Gladys M. Frazier	578 / 162	1.82
28	8C / 87	Mike Ross Inc.	531 / 303	14.27
29	8C / 57.1	Jack L. Frazier	524 / 498	13.50
30	8C / 58	William C. White	W23 / 102	126.18
31	6 / 29	Ronzel C. & Sandra K. Richards	333 / 347	5.20
32	8C / 59	James E. & Louise K. Dyer	551 / 372	54.62
33	9C / 8	Rose Ann & Hunter Kolb	W6 / 670	88.16
34	8C / 62.2	Timothy & Sharon Ross	629 / 775	1.21
35	8C / 62.3	Michael E. Moeller	644 / 274	1.17
36	8C / 61.2	Michael E. Moeller	699 / 327	2.40
37	8C / 61.3	Michael E. Moeller	674 / 3	2.40
38	8C / 61.4	Michael E. Moeller	674 / 3	10.38
39	8C / 62.1	Snider Construction	620 / 320	6.51
40	8C / 62.4	Robert Stewart III	674 / 43	0.56
41	8C / 62.5	Robert Stewart III	691 / 463	0.55



FILE NO: 195-36-G-18
DRAWING NO: 1208 S-10H As-Drilled 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: April 29 20 20
OPERATOR'S WELL NO. 1208 S-10H
API WELL NO
47 - 033 - 05967
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,147' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top - West Millford
Btm - Weston

DISTRICT: Grant / Hackers Creek

COUNTY: Harrison / Lewis

SURFACE OWNER: Linda & William W. Brodwater III

ACREAGE: 208.2021

ROYALTY OWNER: Leeman B. Maxwell Helrs, et al

LEASE NO: _____ ACREAGE: 247.84

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: 7,017' TVD
23,809' 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
As-Drilled Well No. 1208 S-10H

6,344' to Bottom Hole
1,913' to Top Hole

Top Latitude 39 - 10 - 00
Btm Latitude 39 - 07 - 30

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, P.S. 2070

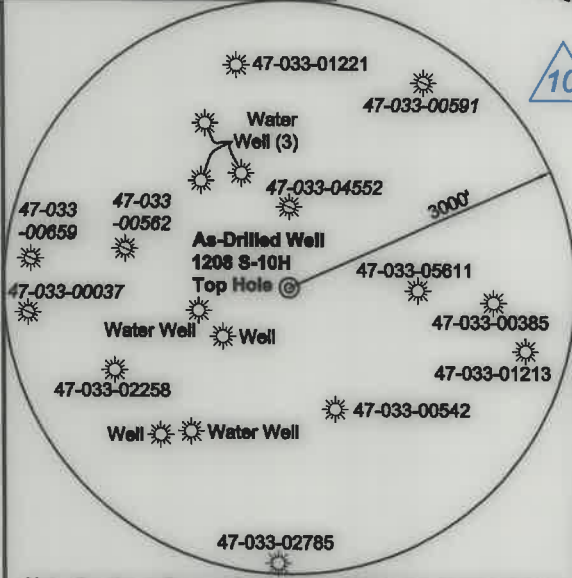
Top Longitude 80 - 25 - 00
Btm Longitude 80 - 22 - 30
4,925' to Top Hole
4,809' to Bottom Hole



Page 1 of 2

Tag	Bearing	Dist.
L1	S 46°21' E	1,455.1'
L2	S 33°16' E	1,409.4'
L3	S 88°28' W	1,037.8'
L4	N 61°48' W	879.8'
L5	N 89°35' E	1,654.2'

- 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.)



Note: 5 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.

FILE NO: 195-36-G-18
DRAWING NO: 1208 S-10H As-Drilled 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: April 29 2020
OPERATOR'S WELL NO. 1208 S-10H
API WELL NO
47 - 033 - 05967
STATE COUNTY PERMIT

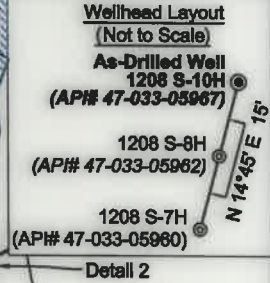
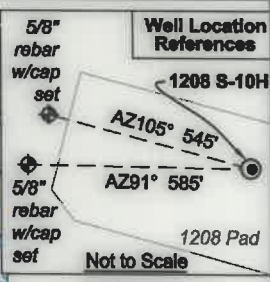
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,147' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: Linda & William W. Brodwater III
ROYALTY OWNER: Leeman B. Maxwell Heirs, et al LEASE NO: ACREAGE: 247.84
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,017' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,809' 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

Notes: Well No. 1208 S-10H
West Virginia Coordinate System of 1927, South Zone
based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'11.31" Longitude: 80°25'24.30" UTM Zone 17, NAD 1983
Bottom Hole coordinates Latitude: 39°06'42.30" Longitude: 80°23'51.31" UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,939.629m E: 549,835.894m
Bottom Hole Coordinates N: 4,329,360.853m E: 552,098.359m
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. 1208 S-10H
UTM NAD 1983 (USSF)
Top Hole Coordinates N: 14,218,933.60' E: 1,803,919.93'
Landing Point Coordinates N: 14,219,241.52' E: 1,805,419.71'
Bottom Hole Coordinates N: 14,203,911.40' E: 1,811,342.70'



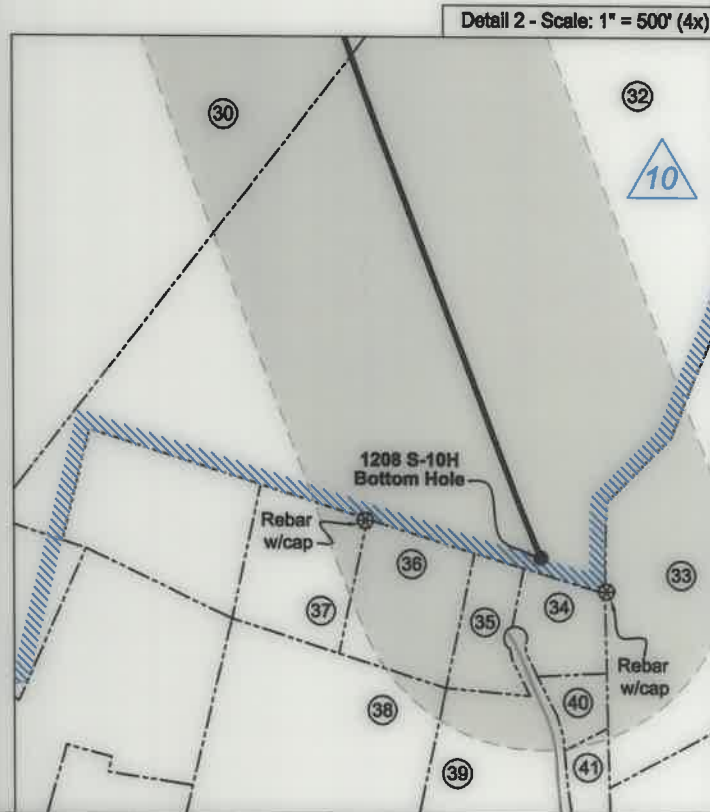
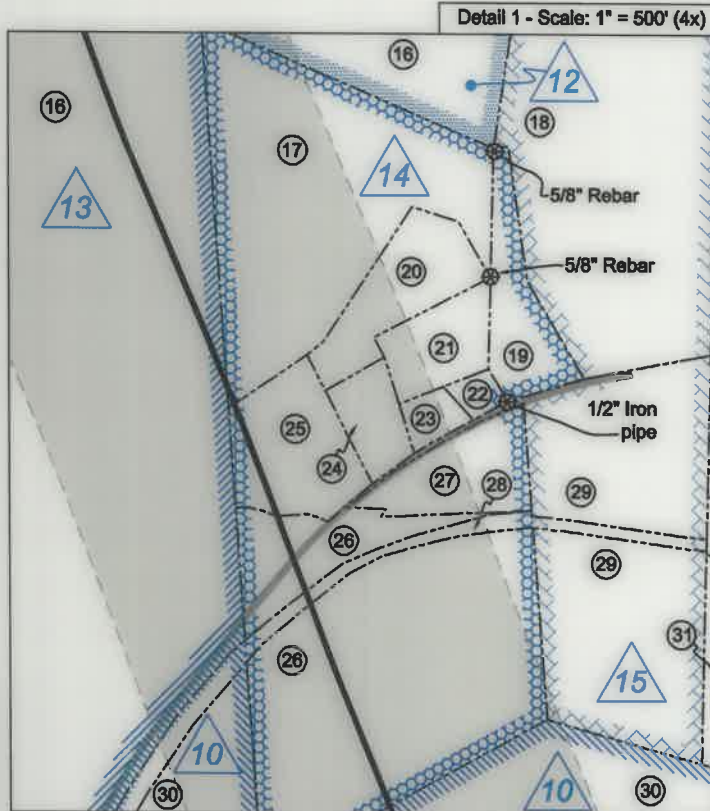
GRID NORTH



ID	Lease
1	Jerome B. Gusman
2	Leeman B. Maxwell Heirs
3	A.J. Smith, et ux
4	W.L. & Flora Hughes
5	Hannah H. Smith
6	Walter Neely, et al
7	Page Harmer Thomas, et al
8	Howard Neely
9	W.A. Jackson
10	Isaac Jackson
11	Pearl Reel
12	William C. White
13	J.W. Jackson
14	C.H. Stalnaker, et ux
15	Garnett M. Corley
16	John B. Davison
18	David Kent Moss, et al

Harrison County - Grant-Outside District				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	425 / 31	Linda & William W. Brodwater III	1410 / 1045	247.84
2	445 / 2	Lisa M. Nutter	W687 / 445	84.57
3	445 / 12	Lisa M. Nutter	W687 / 445	64.50
4	445 / 10	Lisa M. Nutter	W687 / 445	66.87
5	445 / 11	Lisa M. Nutter	W687 / 445	75.50
6	445 / 22	John D. Smith Estate	W13 / 53	4.00
7	445 / 23	Robert Allman, et al	W177 / 231	32.84
8	445 / 23.2	Patricia T. Stamm	1341 / 1204	5.06
9	445 / 23.4	Daryl W. & Cheryl Lantz	1477 / 473	1.38
10	445 / 23.3	Daryl W. & Cheryl Lantz	1411 / 900	1.06
11	445 / 23.1	Daryl W. & Cheryl Lantz	1411 / 900	2.50
12	445 / 46	James W. Riffle II & William L. Law	1385 / 259	140.43
13	465 / 6	John G. & Rebecca M. Moore	1421 / 350	21.37
14	465 / 4.1	John G. & Rebecca M. Moore	1421 / 350	353.80
15	445 / 1	Lisa M. Nutter	1577 / 738	87.78

Lewis County - Hackers Creek District				
No.	TM / Par	Owner	Bk / Pg	Ac.
16	8C / 55	William C. White	W23 / 102	92.02
17	8C / 56	Esther M. Riffle	347 / 76	23.12
18	8C / 57	Mary V. Corley Ward	581 / 453	29.28
19	8C / 57.2	Eathan S. Wamsley & Sharon L. Harper	581 / 291	1.72
20	8C / 56.8	Ginger Knight & Howard Knight Jr.	649 / 54	2.06
21	8C / 56.7	Prime Space LLC	614 / 116	1.34
22	8C / 56.3	Prime Space LLC	614 / 120	0.28
23	8C / 56.1	Prime Space LLC	593 / 618	0.42
24	8C / 56.4	Christy Pratt & Rocky L. Lipps	714 / 947	0.94
25	8C / 56.5	Christy Pratt	574 / 546	2.41
26	8C / 56	Esther M. Riffle	347 / 76	23.12
27	8C / 56.6	Jack L. & Gladys M. Frazier	578 / 162	1.82
28	8C / 87	Mike Ross Inc.	531 / 303	14.27
29	8C / 57.1	Jack L. Frazier	524 / 498	13.50
30	8C / 58	William C. White	W23 / 102	126.18
31	6 / 29	Ronzel C. & Sandra K. Richards	333 / 347	5.20
32	8C / 59	James E. & Louise K. Dyer	551 / 372	54.62
33	9C / 8	Rose Ann & Hunter Kolb	W8 / 670	85.16
34	8C / 62.2	Timothy & Sharon Ross	629 / 775	1.21
35	8C / 62.3	Michael E. Moeller	644 / 274	1.17
36	8C / 61.2	Michael E. Moeller	699 / 327	2.40
37	8C / 61.3	Michael E. Moeller	674 / 3	2.40
38	8C / 61.4	Michael E. Moeller	674 / 3	10.38
39	8C / 62.1	Snider Construction	620 / 320	6.51
40	8C / 62.4	Robert Stewart III	674 / 43	0.56
41	8C / 62.5	Robert Stewart III	691 / 463	0.55



FILE NO: 195-36-G-18
DRAWING NO: 1208 S-10H As-Drilled 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: April 29 2020
OPERATOR'S WELL NO. 1208 S-10H
API WELL NO
47 - 033 - 05967
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,147' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top - West Milford
Btm - Weston

DISTRICT: Grant / Hackers Creek

COUNTY: Harrison / Lewis

SURFACE OWNER: Linda & William W. Brodwater III

ACREAGE: 206 12/31/2021

ROYALTY OWNER: Leeman B. Maxwell Heirs, et al

LEASE NO: _____ ACREAGE: 247.84

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: 7,017' TVD
23,808' 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