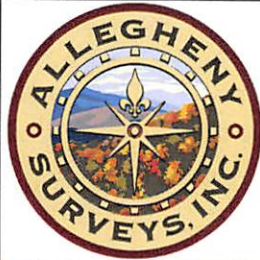


HG Energy II Appalachia, LLC  
Well No. 1208 S-10H MOD

Page 1 of 2



6,328' 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  
4,803' to Bottom Hole

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

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.)



**Notes:** Well No. 1208 S-10H  
West Virginia Coordinate System of 1927, South Zone  
based upon Differential GPS Measurements.

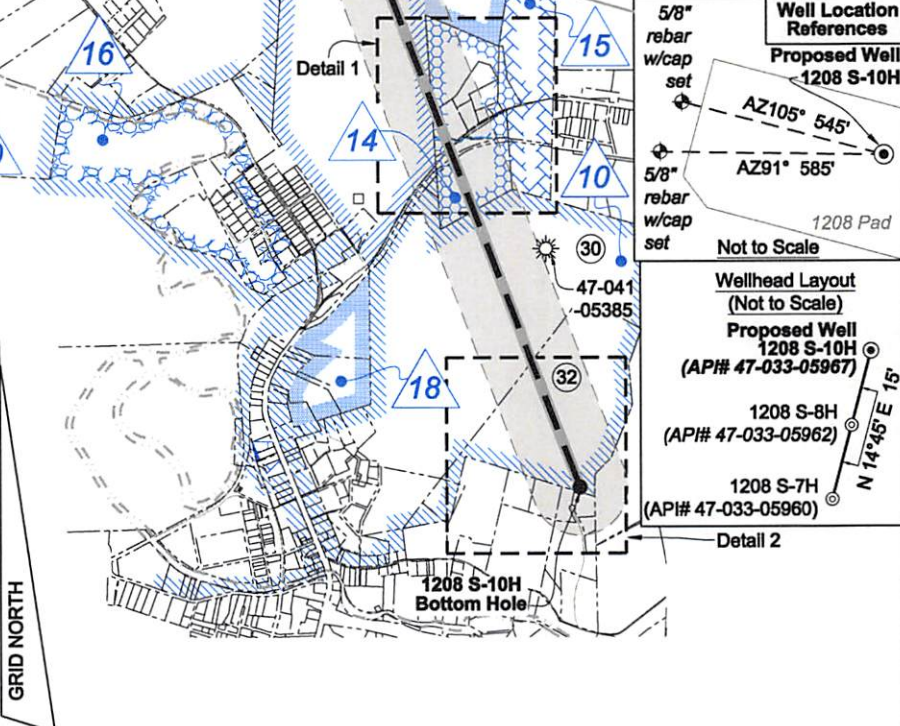
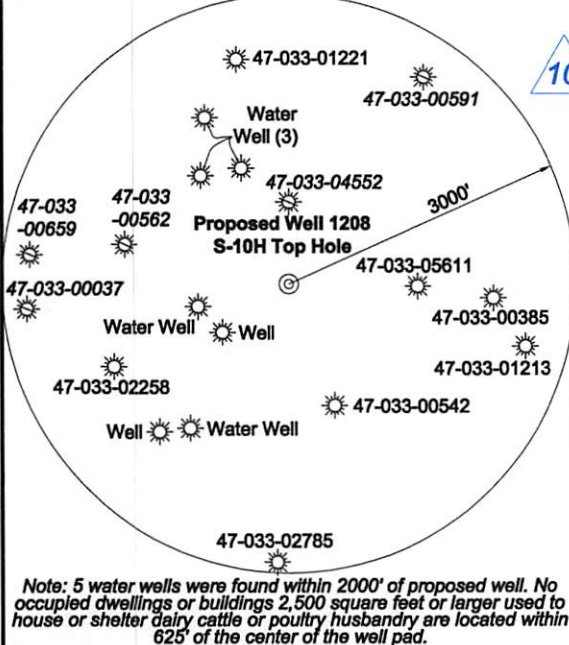
Top Hole coordinates    Bottom Hole coordinates  
Latitude: 39°09'11.31"    Latitude: 39°06'42.36"  
Longitude: 80°25'24.30"    Longitude: 80°23'51.10"  
UTM Zone 17, NAD 1983

Top Hole Coordinates    Bottom Hole Coordinates  
N: 4,333,939.629m    N: 4,329,362.801m  
E: 549,835.894m    E: 552,103.300m

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: 14,218,945.78' E: 1,805,574.05'  
Bottom Hole Coordinates  
N: 14,203,917.79' E: 1,811,358.91'



FILE NO: 195-36-G-18  
DRAWING NO: 1208 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: September 20 20 19  
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

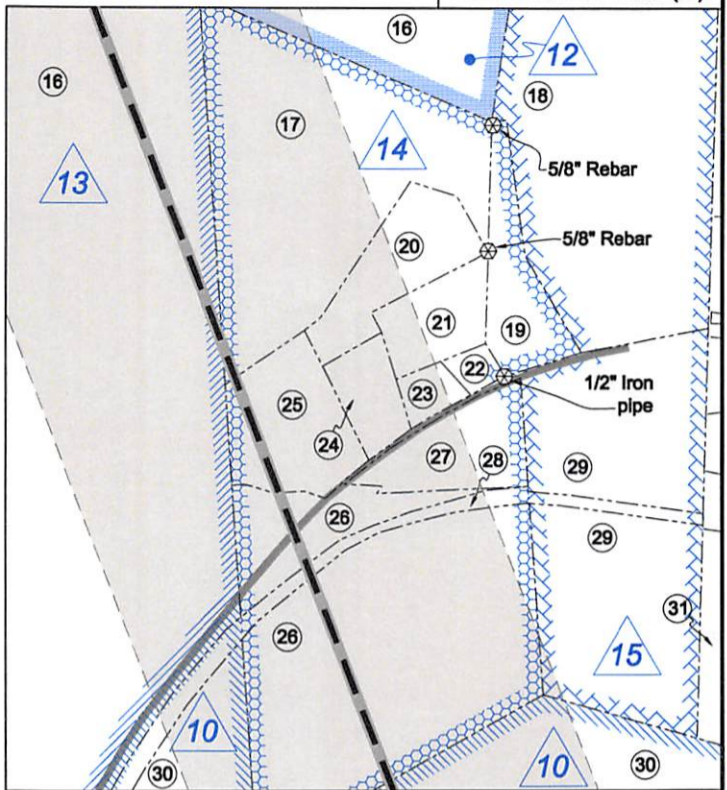
LOCATION: ELEVATION: 1,147' WATERSHED: Middle West Fork Creek  
DISTRICT: Grant / Hackers Creek  
SURFACE OWNER: Linda & William W. Brodwater III  
ROYALTY OWNER: Leeman B. Maxwell Heirs, et al LEASE NO: \_\_\_\_\_ ACREAGE: 247.84  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,849' 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

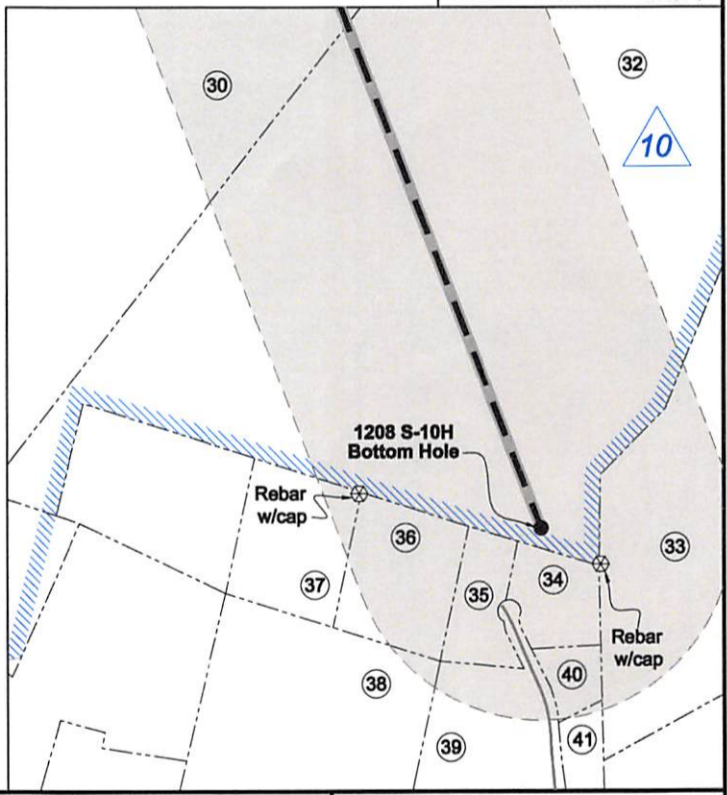
ID	Lease
1	Jerome B. Gusman
2	Leeman B. Maxwell Heirs
3	A.J. Smith, et ux
4	W.L. & Flora Hughes
5	Hannah H. Smith
6	Walter Neely, et al
7	Page Harmer Thomas, et al
8	Howard Neely
9	W.A. Jackson
10	Isaac Jackson
11	Pearl Reel
12	William C. White
13	J.W. Jackson
14	C.H. Stalnaker, et ux
15	Garnett M. Corley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

Detail 1 - Scale: 1" = 500' (4x)



Detail 2 - Scale: 1" = 500' (4x)



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Submeter  
PROVEN SOURCE OF ELEVATION:  
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(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: 200

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) LP & BH MOD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,050' TVD  
23,849' 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