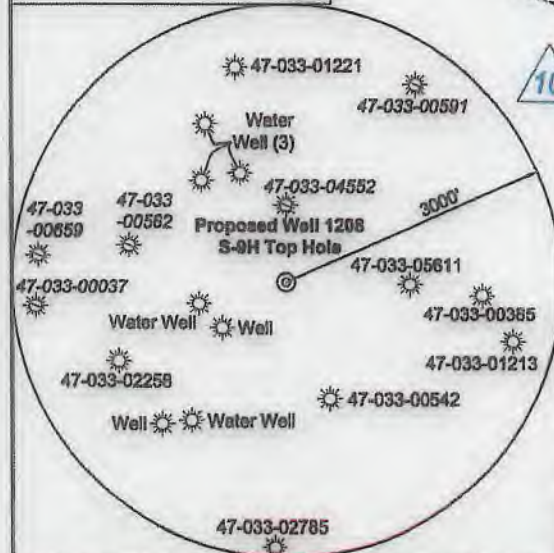


Tag	Bearing	Dist.
L1	S 46°50' E	1,462.5'
L2	S 32°49' E	1,419.5'
L3	S 87°41' W	1,042.2'
L4	N 82°46' W	876.3'
L5	S 83°00' E	1,197.9'

- 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.

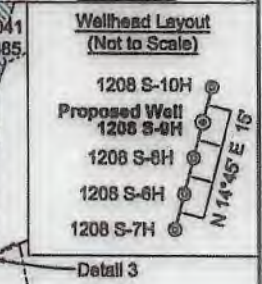
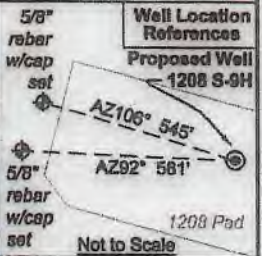
7,220' to Bottom Hole
1,917' to Top Hole
Top Latitude 39 - 10 - 00
Btm Latitude 39 - 07 - 30
Top Longitude 80 - 25 - 00
Btm Longitude 80 - 22 - 30
4,939' to Top Hole
4,511' to Bottom Hole

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, P.S., 2070

Notes: Well No. 1208 S-9H
West Virginia Coordinate System of 1927, South Zone based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°09'11.16" Latitude: 39°08'45.27"
Longitude: 80°25'24.35" Longitude: 80°24'02.42"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,333,935.210m N: 4,329,450.742m
E: 549,834.730m E: 551,830.845m
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-9H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,919.10' E: 1,803,916.11'
Landing Point Coordinates
N: 14,218,773.11' E: 1,805,104.81'
Bottom Hole Coordinates
N: 14,204,206.31' E: 1,810,465.03'



FILE NO: 195-36-G-18
DRAWING NO: 1208 S-9H 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: June 27 20 19
OPERATOR'S WELL NO. 1208 S-9H
API WELL NO
47 - 033 - 05166
STATE COUNTY PERMIT

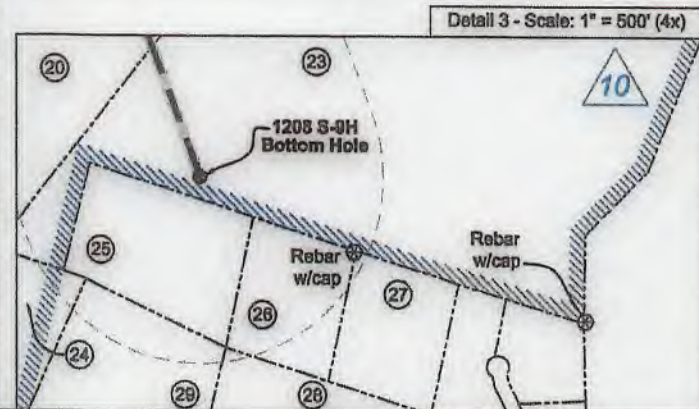
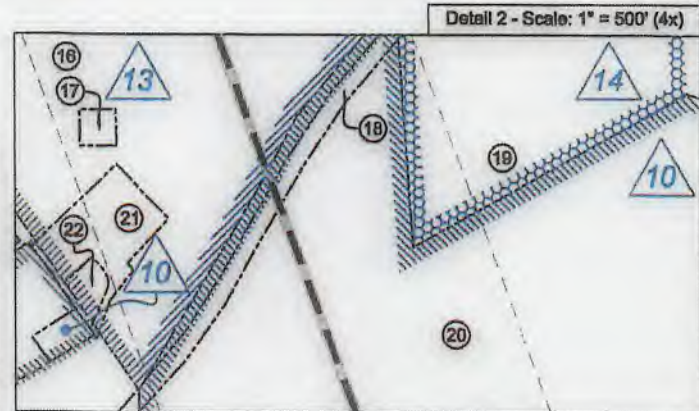
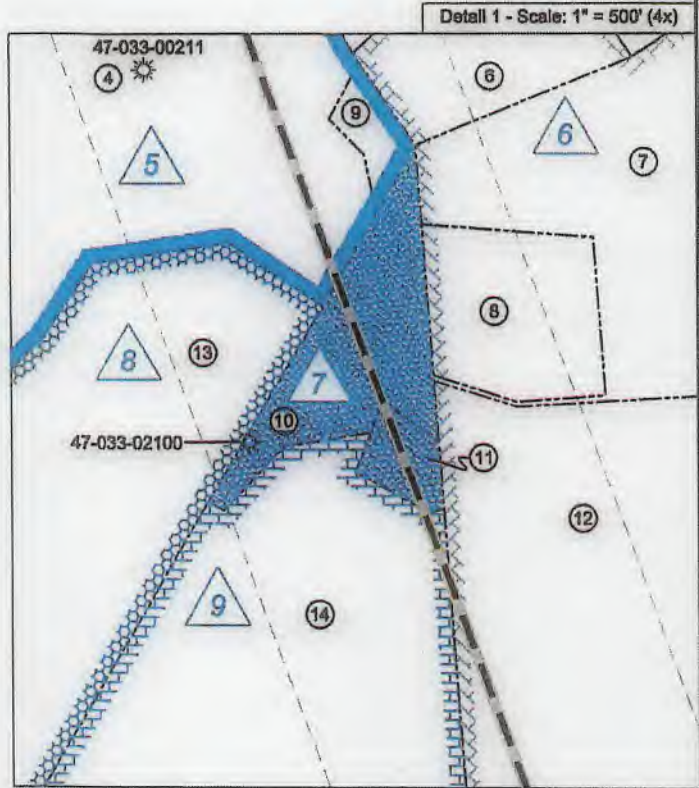
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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 Helms, 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: 7,050' TVD 23,130' 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 Hamner 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	Mike Ross, Inc.
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 / 10	Lisa M. Nutter	W687 / 445	88.87
4	445 / 21	Robert Allman, et al	W177 / 231	41.11
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 / 21.1	Robert Allman, et al	1500 / 177	0.89
10	445 / 34	Robert Allman, et al	W177 / 231	4.65
11	445 / 33	Robert Allman, et al	W177 / 231	1.05
12	445 / 46	James W. Riffe II & William L. Law	1385 / 259	140.43
13	445 / 32	Patricia T. Garton	1425 / 854	43.15
14	465 / 4.1	John G. & Rebecca M. Moore	1421 / 350	353.80
15	465 / 6	John G. & Rebecca M. Moore	1421 / 350	21.37
Lewis County - Hackers Creek District				
No.	TM / Par	Owner	Bk / Pg	Ac.
16	8C / 55	William C. White	W23 / 102	92.02
17	8C / 55.1	William C. White	W23 / 102	0.50
18	8C / 87	Mike Ross Inc.	531 / 303	14.27
19	8C / 56	Esther M. Riffe	347 / 76	23.12
20	8C / 58	William C. White	W23 / 102	126.18
21	8C / 55.3	William C. White	870 / 590	1.49
22	8C / 55.2	William C. White II	640 / 269	0.30
23	8C / 59	James E. & Louise K. Dyer	551 / 372	54.62
24	8C / 59.2	Skyler B. & Christy M. Mills	697 / 793	2.529
25	8C / 60.16	James E. & Louise K. Dyer	637 / 173	3.38
26	8C / 61.3	Michael E. Moeller	674 / 3	2.40
27	8C / 61.2	Michael E. Moeller	669 / 327	2.40
28	8C / 61.4	Michael E. Moeller	674 / 3	10.38
29	8C / 60.10	Oscar & Dlnah Mills	551 / 374	10.269


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

FILE NO: 195-36-G-18
 DRAWING NO: 1208 S-9H Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Bridgeport, WV

DATE: June 27 20 19
 OPERATOR'S WELL NO. 1208 S-9H
 API WELL NO
 47 - 033 - 05966
 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) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,050' TVD 23,130' MD

QUADRANGLE: Top - West Millford Btm - Weston
 COUNTY: Harrison / Lewis
 ACREAGE: 200

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