

Page 1 of 3

ALLEGHENY SURVEYS, INC.

I, the undersigned, hereby certify that this plot 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.

Dwight D. Madhry, P.S., 0170

4,235' to Bottom Hole
2,114' to Top Hole
BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00
LONGITUDE 80 - 22 - 39
3,149 to Top Hole
7,585 to Bottom Hole

Top Hole 7.5' Spot

Bottom Hole 7.5' Spot

SEAL

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.)

Watershed Layer (Not to Scale)

Well Location References

Not to Scale 1208 Pad

Table:

Tag	Bearing	Dist.
L1	N 76°40' W	3,472.6
L2	N 65°18' E	1,600.2
L3	S 89°04' E	2,850.6
L4	S 71°27' E	1,550.1
L5	N 66°51' E	1,606.1

Notes:

Well No. 1208 N-4H
 UTM NAD 1983 (USSP)
 Top Hole Coordinates
 N: 14,220,788.49
 E: 1,818,518.34
 Landing Point Coordinates
 N: 14,221,378.34
 E: 1,818,503.17
 Bottom Hole Coordinates
 N: 14,221,395.85
 E: 1,818,504.41

Notes: Well No. 1208 N-4H
 West Virginia Coordinate System of 1927, North Zone
 based upon Ellipsoidal GPS Measurements.
 Top Hole coordinates
 Latitude: 39°09'28.57"
 Longitude: 80°22'38.54"
 Bottom Hole coordinates
 Latitude: 39°11'15.07"
 Longitude: 80°22'23.40"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates
 N: 4,324,594.281m
 E: 503,571.402m
 Bottom Hole Coordinates
 N: 4,327,171.722m
 E: 502,702.968m
 Plot orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

FILE NO: 06-98-12-G-H-19
DRAWING NO: 1208 N-4H Well Plat
SCALE: 1" = 1500'
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: October 14, 2019
OPERATOR'S WELL NO. 1208 N-4H
API WELL NO
47 - 033 -
STATE COUNTY PERMIT

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

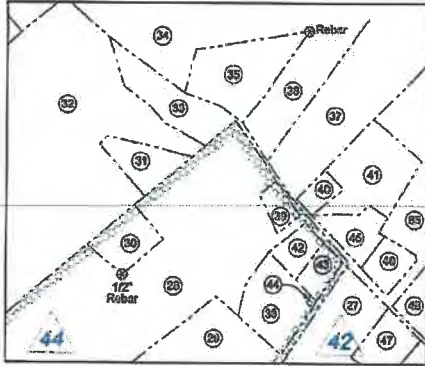
LOCATION: ELEVATION: 1,350' **WATERSHED: Middle West Fork Creek**
DISTRICT: Grant **QUADRANGLE: West Millard**
SURFACE OWNER: Charles R. & Franklin L. Sutton **COUNTY: Harrison**
ROYALTY OWNER: Charles R. Sutton **LEASE NO:** **ACREAGE: 30.00**
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE 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: 7,252' TMD**
19,794' MD

WELL OPERATOR: HG Energy II Appalachia, LLC **DESIGNATED AGENT: Diane C. White**
ADDRESS: 5280 Dupont Road **ADDRESS: 5280 Dupont Road**
Parkersburg, WV 26101 **Parkersburg, WV 26101**

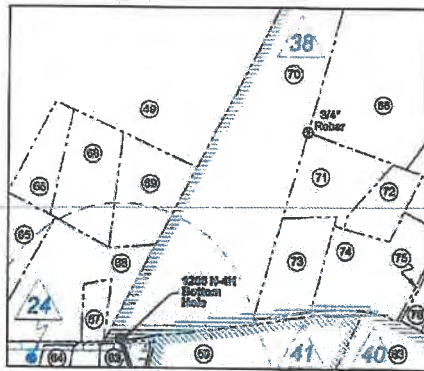
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WV Department of Environmental Protection

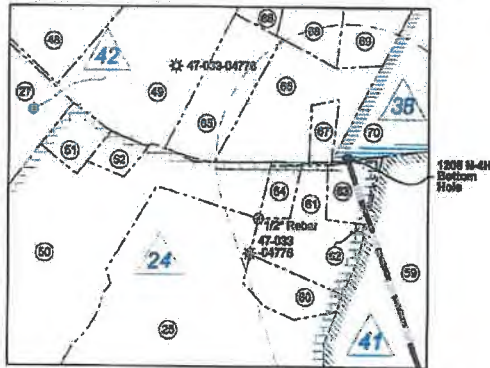
Detail 1 - Not to Scale



Detail 2 - Not to Scale



Detail 3 - Not to Scale



10	LEADS
3	C. Earl Snider, et al
4	Alan Bell, et al
5	Alan Bell
6	Marcella R. Bond, et al
7	Orpha G. Davis, et al
10	Alan Bell
11	High C. Davis, et al
12	High C. Davis, et al
15	A.W. Smith
16	Lewis N. Stout, et al
17	Bertie E. Young, et al
18	H.D. Smith, et al
19	Sumner D. Strimons, et al
22	Harold C. Hensley, et al
24	Mary A. Lowther, et al
25	Porter Maxwell, et al
26	Marcella R. Bond, et al
36	L. Wilson Swisher, et al
38	M.P. Vannhorn, et al
39	HG Energy II Appalachia, LLC
40	UNLEASED
41	M.A. Lowther, et al
42	Halle O. West, et al
43	Paula Stephens, Inc.
44	Jesse Cox, et al
47	WV Division of Natural Resources
64	Clay W. Snider, et al
65	Lloyd Stout
66	Lila D. Gilford, et al

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WV Department of
Environmental Protection

FILE NO: 06-88-12-G-H-19
DRAWING NO: 1208 N-4H Well Plat
SCALE: 1" = 1500'
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: October 14 20 19
OPERATOR'S WELL NO. 1208 N-4H
API WELL NO
47 - 033 -
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,350' WATERSHED: Middle West Fork Creek
DISTRICT: Grant

QUADRANGLE: West Milford
COUNTY: Harrison
ACREAGE: 30.00

SURFACE OWNER: Charles R. & Franklin L. Sutton

ROYALTY OWNER: Charles R. Sutton

LEASE NO:

ACREAGE: 30.00

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: 7,232' TVD
18,794' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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Parkersburg, WV 26101

No.	TM / Par	Owner	Bk / Pg	Ac.
1	428 / 72	Charles R. & Franklin L. Sutton	1501 / 98	30.00
2	428 / 71	Antonio P., LLC	1503 / 291	235.33
3	448 / 3	Antonio P., LLC	1503 / 291	200.00
4	448 / 4	Bob R. Blackenship	1410 / 740	27.87
5	428 / 73	Charles R. & Franklin L. Sutton	1501 / 98	22.8
6	428 / 74	Heriberto June Ferras	1814 / 450	60.30
7	428 / 41	Charles R. & Franklin L. Sutton	1501 / 98	18.00
8	428 / 63	Charles R. & Franklin L. Sutton	1501 / 98	51.33
9	428 / 40	Charles R. & Franklin L. Sutton	1332 / 78	57.57
10	428 / 39	Antonio P., LLC	1503 / 291	30.00
11	428 / 38	Antonio P., LLC	1503 / 291	50.75
12	428 / 37	Antonio P., LLC	1503 / 291	64.00
13	428 / 13	Antonio P., LLC	1503 / 291	140.74
14	420 / 1	Antonio P., LLC	1503 / 291	20.88
15	428 / 14	Antonio P., LLC	1503 / 291	1.21
16	428 / 16	Antonio P., LLC	1503 / 291	3.82
17	428 / 18	Antonio P., LLC	1503 / 291	3.22
18	428 / 2	Antonio P., LLC	1503 / 291	26.13
19	428 / 3	Antonio P., LLC	1503 / 291	3.00
20	428 / 7	Antonio P., LLC	1503 / 291	19.43
21	428 / 8	Antonio P., LLC	1503 / 291	22.04
22	428 / 30	Antonio P., LLC	1503 / 291	6.48
23	428 / 28	Antonio P., LLC	1503 / 291	178.92
24	428 / 19	Antonio P., LLC	1503 / 291	122.26
25	428 / 52	Antonio P., LLC	1503 / 291	208.52
26	428 / 59	Antonio P., LLC	1503 / 291	33.06
27	428 / 55.1	Kenneth P. & Deborah B. Studer	1181 / 326	20.85
28	428 / 54	Robert M. Lewis, Jr.	1518 / 514	75.388
29	428 / 84.1	Tracy L. Davis	1443 / 758	8.20
30	428 / 84.2	Edward G. Lewis (LE)	1394 / 367	0.82
31	428 / 61	Connie J. & Robert M. Lewis Jr.	1818 / 814	0.80
32	428 / 49	Connie J. & Robert M. Lewis Jr.	1221 / 693	12.12
33	428 / 52	Paul Wayne Conley, et al	1047 / 543	4.72
34	428 / 53.1	Dorinda D. & Doreen R. Reaser	198 / 298	1.15
35	428 / 54	Justine H. Ball	198 / 298	2.00
36	428 / 66	Justina G. & Rodney D. Ball	1087 / 464	2.08
37	428 / 56	Fernita K. Metzger	1382 / 826	8.64
38	428 / 84.5	James B. & Doreen D. Cook	1338 / 723	1.38
39	428 / 84.4	W. Dalma Ferras	1198 / 443	0.35
40	428 / 57.1	Paul D. & Sabrina M. Skidmore	1428 / 779	0.376
41	428 / 57	Paul D. & Sabrina M. Skidmore	1428 / 779	1.80
42	428 / 84.2	Hollie A. Studer	1893 / 320	0.488
43	428 / 84.3	Alan R. & Judy R. Haight	1083 / 1083	0.384

No.	TM / Par	Owner	Bk / Pg	Ac.
44	428 / 84.7	Grant Union Public Services	1164 / 945	0.02
45	428 / 57.2	Patsy L. Hill	1237 / 581	0.86
46	428 / 57.3	Judith A. & David L. Cortzen	1277 / 730	0.85
47	428 / 85	Kenneth P. & Deborah B. Studer	1181 / 326	0.85
48	428 / 68	Ivy J. Nicholson	1558 / 794	7.32
49	428 / 2	Anden L. & Wendy D. Skidmore	1307 / 25	37.75
50	428 / 82.3	Kenneth P. & Deborah B. Studer	1389 / 612	12.83
51	428 / 82.1	Anden L. & Wendy D. Skidmore	1434 / 489	0.87
52	428 / 82.2	William D. & Tabitha N. Rastler	1503 / 389	0.48
53	428 / 82.4	Kenneth P. Studer	1468 / 110	1.20
54	428 / 82.5	Jennifer G. Studer	1377 / 450	0.53
55	428 / 49.1	Nina S. & David T. Matthews Sr.	1377 / 450	1.34
56	428 / 46	Jim K. Studer	1553 / 89	8.03
57	428 / 19	Antonio P., LLC	1503 / 291	23.49
58	428 / 18.1	Harrison County Board of Education	1240 / 27	13.91
59	428 / 17	Board of Education	616 / 523	18.84
60	428 / 18	Jim K. Studer	1553 / 89	1.40
61	428 / 16.3	Jim K. Studer	1553 / 89	2.41
62	428 / 16.4	Grant Union Public Services	1169 / 1022	0.02
63	428 / 16.9	Aaron & Cary Underwood	1588 / 1038	0.846
64	428 / 16.1	Kavir K. Shuter & Linda Queen Turner	1420 / 1191	0.82
65	428 / 13	Paul G. & Marilyn S. Kilde	1464 / 242	2.50
66	428 / 4	T. Dore Williams	1088 / 765	4.73
67	428 / 4.1	T. Dore Williams	1175 / 734	0.35
68	428 / 4.2	Roger A. & Charlene D. Harper	1628 / 233	2.00
69	428 / 4.3	Michelle J. & Christy R. Foster	1528 / 680	1.80
70	428 / 7	Richard K. Williams	1344 / 880	0.868
71	428 / 7.1	Lord E. & Joann E. Moreno	1388 / 627	1.82
72	428 / 7.2	Lord E. & Joann E. Moreno	1381 / 618	1.00
73	428 / 7.5	Luarinda R. Brockstead & Jo Ann Langensack	1175 / 734	0.35
74	428 / 7.14	Mildred A. Bond	1515 / 375	1.86
75	428 / 7.11	Michael L. & Clente V. Bond	1388 / 584	0.68
76	428 / 7.9	Michael L. & Clente V. Bond	1331 / 618	0.58
77	428 / 7.4	Michael L. & Clente V. Bond	1087 / 804	1.00
78	428 / 7.2	Richard A. & Wilma D. Pocatarnocher	1076 / 1031	1.00
79	428 / 18.1	Bridgette A. & Richard L. Ward	1217 / 852	0.59
80	428 / 18.2	Bridgette A. & Richard L. Ward	1217 / 852	2.648
81	428 / 18	Bridgette A. & Richard L. Ward	1338 / 137	1.594
82	428 / 18.4	Bridgette A. & Richard L. Ward	1338 / 137	0.747
83	428 / 18.3	The Board of Education of Harrison County	1230 / 1024	6.00
84	428 / 18.6	Bridgette A. & Richard L. Ward	1338 / 137	0.188
85	428 / 57.3	David P. & Yelley L. Richman	1273 / 116	12.61
86	428 / 6	Richard K. Williams	1344 / 889	40.08

FILE NO: 08-36-12-G-H-19
 DRAWING NO: 1206 N-4H Well Plat
 SCALE: 1" = 1500'
 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: October 14 2019
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 API WELL NO
 47 - 033 -
 STATE COUNTY PERMIT

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

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