

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 033 - 05940 County Harrison District Grant  
Quad West Milford Pad Name Nutter 1208 Field/Pool Name \_\_\_\_\_  
Farm name Linda & William Broadwater Well Number Nutter 1208 N-1H  
Operator (as registered with the OOG) HG Energy II Appalachia, LLC  
Address 5260 Dupont Rd. City Parkersburg State WV Zip 26101

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 14218955.94 Easting 1803601.67  
Landing Point of Curve Northing 14218597.56 Easting 1802018.17  
Bottom Hole Northing 14230766.60 Easting 1797672.20

Elevation (ft) 1147 GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
Air/ OBM  
KCL, Barite, Lime, CaCL, base oil, clay, sulfatone, safevert FLG, safevert WA

Date permit issued 3/27/19 Date drilling commenced 8/27/2019 Date drilling ceased 12/29/2019  
Date completion activities began 4/9/2019 Date completion activities ceased 9/19/2019  
Verbal plugging (Y/N) \_\_\_\_\_ Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 390 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 420, 530, 902 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**Reviewed**  
*SDW*

Reviewed by: \_\_\_\_\_  
**12/31/2021**

API 47-033 - 05940

Farm name Linda & William Broadwater

Well number Nutter 1208 N-1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	30"	120	New	154.5 lbs/ft		N
Surface	26"	20"	1000	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	1893	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2700	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	20250	New	23 lbs/ft P-11C		Yes
Tubing	5.5	2.875		New	6.5 lbs/ft J-55		Not cemented
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Drilled in						
Surface	Class A	2110	15.6	1.2	2526	surface	8
Coal							
Intermediate 1	Class A	1922/526	16.0/16.4	1.16/1.1	2229/578	surface	24
Intermediate 2	Class A	845	15.6	1.19	994	surface	8
Intermediate 3							
Production	Class A	1324/2587	14.8/14.8	1.34/1.34	1774/3464	surface	8
Tubing							

Drillers TD (ft) 20283

Loggers TD (ft) \_\_\_\_\_

Deepest formation penetrated Marcellus

Plug back to (ft) \_\_\_\_\_

Plug back procedure \_\_\_\_\_

Kick off depth (ft) \_\_\_\_\_

Check all wireline logs run

- caliper   
  density   
  deviated/directional   
  induction  
 neutron   
  resistivity   
  gamma ray   
  temperature   
  sonic

Well cored  Yes  No

Conventional    Sidewall

Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

20" casing: Centralizer placed on the shoe joint and every other joint to surface

13.375" casing: centralizer run every joint to 20" casing then placed every 3 joints to surface

9.625" casing: Centralizers run every other joint to 13.375" casing then placed every 3 joints to surface

5.5" casing: Centralizer run every joint to top of curve (KOP) then centralizers placed every 3 joints to surface

WAS WELL COMPLETED AS SHOT HOLE  Yes  No    DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No    DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No    TYPE OF TRACER(S) USED \_\_\_\_\_

NOV 23 2021

12/31/2021

API 47- 033 - 05940 Farm name Linda & William Broadwater Well number Nutter 1208 N-1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					** See Attached **

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbbls)	Amount of Nitrogen/other (units)
			*See Attached*					

Please insert additional pages as applicable.

12/31/2021

API 47- 033 - 05940 Farm name Linda & William Broadwater Well number Nutter 1208 N-1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6917-6854</u> TVD	<u>7401 - 20250</u> MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2515 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 766 hrs

OPEN FLOW Gas 28,680 mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water 1,680 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H<sub>2</sub>S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
	<u>0</u>		<u>0</u>		<u>** See Attached **</u>

Please insert additional pages as applicable.

Drilling Contractor Patterson Drilling  
Address 2198 University Drive City Lemont Furnace State PA Zip 15456

Logging Company Renegade Wireline Services  
Address 191 Earnhardt Rd. City Hunker State PA Zip 15639

Cementing Company Schlumberger  
Address 300 Schlumberger Dr. City Sugar Land State TX Zip 77478

Stimulating Company Producer's  
Address 14201 Caliber Dr City Oklahoma City State OK Zip 73134

Please insert additional pages as applicable.

Completed by Diane White Telephone 304-420-1119  
Signature Diane White Title \_\_\_\_\_ Date 6/01/2020

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

12/31/2021

**HG Energy II Appalachia, LLC**  
**Nutter 1208 N-1H**  
**Perforation Record**

Stage #	Date	Perforation From Depth	Perforation To Depth	Number of perforations	Formation
Sleeve / 1	4/9/2020	20142	20094	N/A	Marcellus
2	4/9/2020	20060	19892	49	Marcellus
3	9/4/2020	19864	19696	28	Marcellus
4	9/4/2020	19668	19500	28	Marcellus
5	9/4/2020	19472	19304	28	Marcellus
6	9/5/2020	19276	19108	28	Marcellus
7	9/5/2020	19080	18912	28	Marcellus
8	9/5/2020	18884	18716	28	Marcellus
9	9/5/2020	18688	18520	28	Marcellus
10	9/6/2020	18492	18324	28	Marcellus
11	9/6/2020	18296	18128	28	Marcellus
12	9/6/2020	18100	17932	28	Marcellus
13	9/6/2020	17904	17736	28	Marcellus
14	9/7/2020	17708	17540	28	Marcellus
15	9/7/2020	17512	17344	28	Marcellus
16	9/7/2020	17316	17148	28	Marcellus
17	9/7/2020	17120	16952	28	Marcellus
18	9/7/2020	16924	16756	28	Marcellus
19	9/7/2020	16728	16560	28	Marcellus
20	9/8/2020	16532	16364	28	Marcellus
21	9/8/2020	16336	16168	28	Marcellus
22	9/8/2020	16140	15972	28	Marcellus
23	9/8/2020	15944	15776	28	Marcellus
24	9/8/2020	15748	15580	28	Marcellus
25	9/9/2020	15552	15384	28	Marcellus
26	9/9/2020	15356	15188	28	Marcellus
27	9/9/2020	15160	14992	28	Marcellus
28	9/10/2020	14964	14796	28	Marcellus
29	9/11/2020	14768	14600	28	Marcellus
30	9/11/2020	14572	14404	28	Marcellus
31	9/11/2020	14376	14208	28	Marcellus
32	9/11/2020	14180	14012	28	Marcellus
33	9/11/2020	13984	13816	28	Marcellus
34	9/12/2020	13788	13620	28	Marcellus
35	9/12/2020	13592	13424	28	Marcellus
36	9/12/2020	13396	13228	28	Marcellus
37	9/12/2020	13200	13032	28	Marcellus
38	9/12/2020	13004	12836	28	Marcellus
39	9/12/2020	12808	12640	28	Marcellus
40	9/13/2020	12612	12444	28	Marcellus
41	9/13/2020	12416	12248	28	Marcellus
42	9/13/2020	12220	12052	28	Marcellus
43	9/15/2020	12024	11856	28	Marcellus
44	9/15/2020	11828	11660	28	Marcellus
45	9/15/2020	11632	11464	28	Marcellus
46	9/15/2020	11436	11268	28	Marcellus
47	9/16/2020	11240	11072	28	Marcellus
48	9/16/2020	11044	10876	28	Marcellus
49	9/16/2020	10848	10680	28	Marcellus
50	9/16/2020	10652	10484	28	Marcellus
51	9/17/2020	10456	10288	28	Marcellus
52	9/17/2020	10260	10092	28	Marcellus
53	9/17/2020	10064	9896	28	Marcellus
54	9/17/2020	9868	9700	28	Marcellus
55	9/17/2020	9672	9504	28	Marcellus
56	9/17/2020	9476	9308	28	Marcellus
57	9/17/2020	9280	9112	28	Marcellus
58	9/18/2020	9084	8916	28	Marcellus
59	9/18/2020	8888	8720	28	Marcellus
60	9/18/2020	8692	8524	28	Marcellus
61	9/18/2020	8496	8328	28	Marcellus
62	9/18/2020	8300	8132	28	Marcellus
63	9/18/2020	8104	7936	28	Marcellus
64	9/19/2020	7908	7740	28	Marcellus
65	9/19/2020	7712	7544	28	Marcellus
66	9/19/2020	7516	7376	24	Marcellus

12/31/2021

HG Energy II Appalachia, LLC  
Nutter 1208 N-1H  
Stimulation Record

Stage #	Date	Average Pump Rate (BPM)	Average Treatment Pressure (PSI)	Maximum Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve / 1	4/9/2020	75.4	9085	9935	4120	48000	25322
2	4/9/2020	79	9989	10539	5047	280400	6435
3	9/4/2020	78	9385	10159	4520	704177	13497
4	9/4/2020	80	9537	10052	4468	699439	14480
5	9/4/2020	80	9641	10334	4798	700900	13476
6	9/5/2020	81	9392	10426	4844	704500	13099
7	9/5/2020	86	9816	10367	5138	701101	12950
8	9/5/2020	84	9315	9587	5138	673784	12156
9	9/5/2020	87	9395	10000	5724	699600	12762
10	9/6/2020	90	9721	10130	5302	704600	12739
11	9/6/2020	89	9547	9949	5361	525001	13104
12	9/6/2020	87	9411	10152	4968	701920	13413
13	9/6/2020	86	9350	9910	4715	634954	12269
14	9/7/2020	86	9434	9742	6009	638600	11115
15	9/7/2020	86	9162	9709	5817	707100	11689
16	9/7/2020	89	9634	12041	6922	473912	10221
17	9/7/2020	85	9347	9804	5192	604874	10990
18	9/7/2020	85	9194	9678	4836	690082	11562
19	9/7/2020	88	9410	9895	5784	705900	11952
20	9/8/2020	90	9237	9703	5862	707700	11384
21	9/8/2020	88	9454	10046	5270	702374	11789
22	9/8/2020	88	9106	9789	5153	702866	10760
23	9/8/2020	85	8821	9951	6027	701563	11044
24	9/8/2020	88	9103	9885	5615	706600	9560
25	9/9/2020	89	8805	9247	5026	707000	9865
26	9/9/2020	88	8717	9284	5365	703900	9834
27	9/9/2020	88	9125	9711	5155	724800	9711
28	9/10/2020	88	9441	10310	5655	723800	9689
29	9/11/2020	85	9411	10167	5830	727700	10119
30	9/11/2020	89	9470	10221	5358	723278	9926
31	9/11/2020	89	9200	10030	5643	656160	9622
32	9/11/2020	87	8635	9405	5155	697627	10070
33	9/11/2020	90	9025	9708	5259	720000	9680
34	9/12/2020	97	9151	10054	4873	719600	10753
35	9/12/2020	80	8949	9515	5257	727173	11444
36	9/12/2020	94	9078	9742	5281	721632	10720
37	9/12/2020	95	8898	9796	5540	722953	9660
38	9/12/2020	96	8905	9660	5405	719200	9782
39	9/12/2020	93	8943	9443	5234	615400	9068
40	9/13/2020	96	8958	10095	5705	726300	10529
41	9/13/2020	94	9025	9755	5671	725836	11112
42	9/13/2020	89	8283	8659	5741	724300	12316
43	9/15/2020	87	8460	9021	5495	579465	11609
44	9/15/2020	95	8734	9445	5719	719652	10889
45	9/15/2020	98	8962	9871	6121	695643	11179
46	9/15/2020	95	9004	10018	5169	723600	11369
47	9/16/2020	90	8698	9849	5523	690275	10775
48	9/16/2020	93	8980	9756	5660	721483	11958
49	9/16/2020	93	9015	10040	4804	705979	10834
50	9/16/2020	100	9000	9359	5423	707400	9747
51	9/17/2020	93	8642	9375	4861	539000	9756
52	9/17/2020	87	8156	8915	5198	707300	10702
53	9/17/2020	94	8514	9109	5142	701879	10444
54	9/17/2020	95	8355	8821	6003	706859	9380
55	9/17/2020	95	8201	9151	5761	633014	9899
56	9/17/2020	95	7884	8330	5357	707000	10173
57	9/17/2020	92	8001	8420	5538	638100	9904
58	9/18/2020	88	7517	8215	5556	706500	9635
59	9/18/2020	95	7843	8420	5502	705800	9772
60	9/18/2020	97	7841	8250	5356	705369	9309
61	9/18/2020	95	7973	8511	5552	648888	9439
62	9/18/2020	97	7736	8252	5724	694297	9371
63	9/18/2020	98	7632	8326	4742	707700	9699
64	9/19/2020	95	7592	8354	4923	706000	9557
65	9/19/2020	91	7313	8103	4760	705600	8746
66	9/19/2020	93	7899	8757	4490	704586	10592

9/31/2021

**HG Energy II Appalachia, LLC**  
**Nutter 1208 N-1H**  
**Formation Schedule**

<b>Formation</b>	<b>Top Depth TMD</b>	<b>Top Depth TVD</b>	<b>Bottom Depth TMD</b>	<b>Bottom Depth TVD</b>	<b>Rock Type, Type of Fluid, Gas, Oil</b>	<b>Oil, Gas, Water</b>
Water show	390	390	392	392	sand	1/4" stream
Coal	420	420	425	425	Coal	
Coal	530	530	533	533	Coal	
1st Salt Sand	733	733	793	793	Sandstone/Siltstone	
2nd Salt Sand	867	867	937	937	Sandstone/siltstone	
Coal	902	902	905	905	Coal	
3rd Salt Sand	973	973	1064	1064	Sand/Siltstone, red shale	
Little Lime	1297	1297	1312	1312	Limestone	
Big Lime	1340	1340	1413	1413	Limestone	
Big Injun	1413	1413	1517	1517	Sandstone	
Gantz (storage)	1728	1728	1777	1777	Sandstone	32 units gas
50' Sand	1840	1840	1905	1905	Sandstone	
30 foot Sand	1932	1932	1940	1940	Sandstone	
Gordon Stray	1992	1992	2028	2028	Sandstone	
Gordon/Forth Sand	2035	2035	2115	2115	Sandstone	328 units
5th Sand	2245	2245	2268	2268	Sandstone	
Bayard	2323	2323	2355	2355	Sandstone	
Speechley	2964	2955	2985	2976	Sandstone/Siltstone	
Balltown	3196	3171	2336	3211	siltstone/Shale	
Bradford	3759	3691	3799	3731	Sandstone	
Benson	4444	4340	4454	4350	Sandstone	3910' connection 860 units gas
Rhinestreet	5834	5642	6547	6305	Shale	5850' 403 units background
Cashaqua	6547	6305	6785	6527	shale	
Middlesex	6785	6527	6887	6615	shale	
West River	6887	6615	7022	6722	shale	
Burket	7022	6722	7071	6758	shale	
Tully	7071	6758	7228	6859.5	Limestone	
Hamilton	7228	6859.5	7345	6917	shale	
Marcellus	7345	6917	20283	6854	shale	

12/31/2021

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

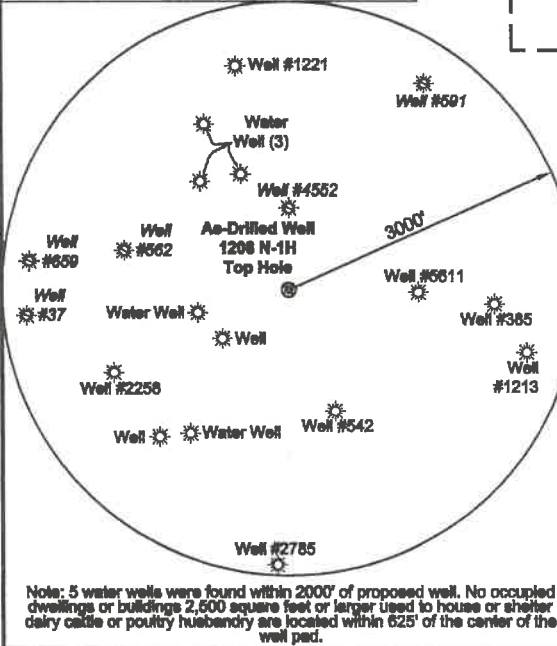
LONGITUDE 80 - 25 - 00  
4,901' to Top Hole  
8,224' to Bottom Hole

Tag	Bearing	Dist.
L1	S 36°48' E	1,226.4'
L2	S 21°28' E	1,242.3'
L3	S 80°47' W	1,355.7'
L4	N 68°11' W	1,178.0'

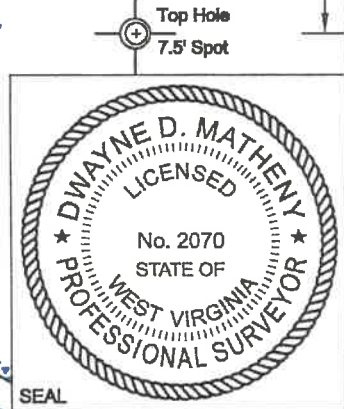


Notes:  
Well No. 1208 N-1H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,218,955.94' E: 1,803,001.57'  
Landing Point Coordinates  
N: 14,218,597.56' E: 1,802,018.17'  
Bottom Hole Coordinates  
N: 14,230,766.80' E: 1,797,672.20'

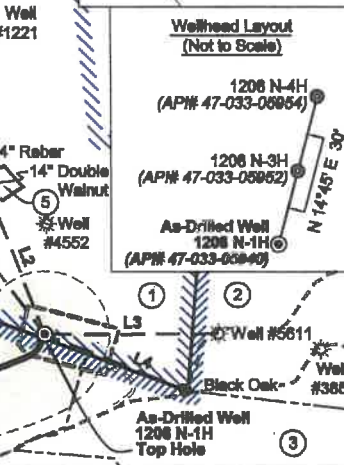
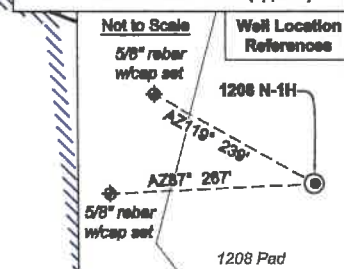
Notes: Well No. 1208 N-1H  
West Virginia Coordinate System of 1827, South Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°00'11.55" Latitude: 39°11'08.89"  
Longitude: 80°25'28.34" Longitude: 80°26'42.71"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,333,946.438m N: 4,337,546.335m  
E: 549,738.888m E: 547,931.582m  
Plat orientation and corner and well references  
are based upon the grid north meridian.  
Well location references are based upon the magnetic  
meridian.



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.



- 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 tracks (approx.)



FILE NO: 195-36-G-18  
DRAWING NO: 1208 N-1H As-Drilled 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: April 28 2020  
OPERATOR'S WELL NO. 1208 N-1H  
API WELL NO  
47 - 033 - 05940  
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: West Milford  
DISTRICT: Grant / Union COUNTY: Harrison  
SURFACE OWNER: Linda & William W. Brodwater III ACREAGE: 12/31/2021  
ROYALTY OWNER: Leeman B. Maxwell Heirs, et al LEASE NO: ACREAGE: 247.84

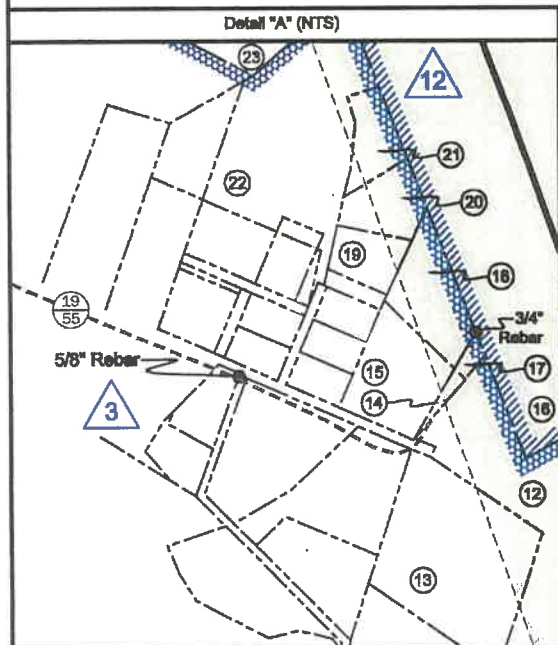
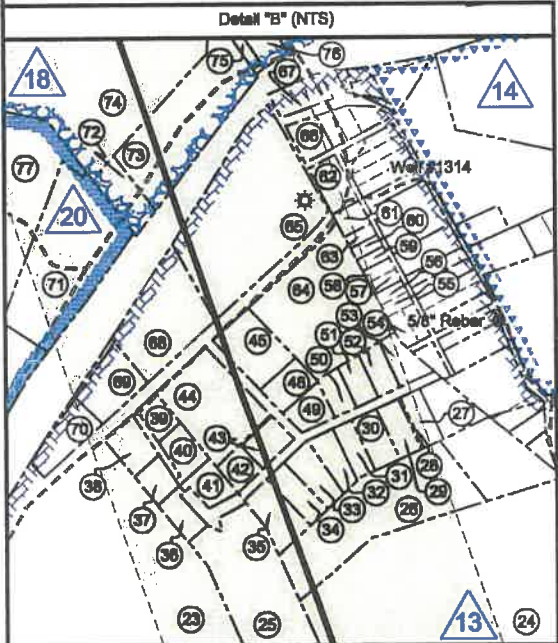
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 6,854' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,283' MD

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	ID	Lease
1	Jerome B. Gusman	18	Howard W. Vanscoy, et al
2	Leeman B. Maxwell Helrs	18	George W. Washburn, et al
3	William Burnside, et al	19	Lloyd Washburn, et al
4	Oris Myers, et al	20	William Burnside
5	Claudia Hacker, et al	21	Olga E. Washburn, et ux
6	Leeman B. Maxwell Helrs	21.2	HG Energy II 108
10	Rebecca D. Reed, et al	21.3	HG Energy II 109
11	David Scott, et al	21.4	HG Energy II 110
12	Nathan Post, et al	22	J.P. Post & C.F. Post
13	William Burnside, et al	23	Fee
14	Joseph Chevront, et al		



No.	TM / Par	Owner	Bk / Pg	Ac.
76	404 / 48	Trustees of Bethel Methodist Church	649 / 350	0.46
75	404 / 55.7	Bethel ME Church	1191 / 266	0.21
74	404 / 55.1	Terence L. Washburn	1332 / 1140	42.37
73	404 / 55.12	Bethel ME Church	1191 / 266	2.47
72	404 / 55.13	Terence Washburn	1322 / 1140	0.496
71	404 / 49	William M. McDonald	1387 / 584	2.75
70	424 / 7.1	Rennard D. & Gladis G. Rinshart	1367 / 1156	0.52
69	424 / 7	Ronnie & Sandy Cochran	1384 / 185	0.65
68	424 / 6	Carl D. & Joyce E. Ward	1227 / 767	1.56
67	2003 / 1	Donovan F. Randolph Estates, et al	W163 / 387	0.06
66	2003 / 2			0.84
65	404 / 50	Billy L. & Barbara E. Nutter	963 / 526	3.77
64	2003 / 66	William & Grace Preece	1061 / 1188	3.11
63	2003 / 15	UNKNOWN	- / -	Lot 20
62	2003 / 5			0.19
61	2003 / 12	Velma Stelf, et al	F096 / 796	0.15
60	2003 / 17			Lot 22
59	2003 / 19			Lot 24
58	2003 / 21	Edna B. Cox	WB117 / 12	Lot 26
57	2003 / 23			Lot 28
56	2003 / 26			Lot 30
55	2003 / 27	Brian & Kelli Rhoades	1522 / 736	Lot 32
54	2003 / 30			0.12
53	2003 / 63		1311 / 352	0.31
52	2003 / 62			0.25
51	2003 / 61	Nora Perrine	1165 / 171	0.24
50	2003 / 60		1165 / 165	0.23
49	2003 / 56	Roger & Diana Hurst	1004 / 948	0.30
48	2003 / 56	Donna Randolph	1473 / 409	0.34
47	404 / 8	Mary Ann Tiano	932 / 456	14.86
46	404 / 7			142.74
45	2003 / 56	Melinda Bibbee	1496 / 951	0.71
44	2003 / 55	James S. Murphy	1563 / 672	2.06
43	2003 / 54	Glenn Kirkpatrick	1454 / 295	0.32
42	2003 / 54.1	Carl & Carolyn James	998 / 806	0.23
41	424 / 6.6	Palmer C. Dolph II	1331 / 1127	0.34
40	424 / 6.3	Kimberly Sue Smithson	1364 / 506	0.34
39	424 / 6.5	Dale R. Holden	1366 / 135	0.30
38	424 / 6.1		1212 / 1094	1 Lot
37	424 / 6.4	John L. Horner	1223 / 656	0.26
36	424 / 6.2	Todd Joseph Brown	1501 / 702	0.27
35	2003 / 53	Jason & Teresa Allen	1345 / 606	0.56
34	2003 / 52	George & Madge Hernen	995 / 738	0.34
33	2003 / 51		966 / 728	0.36
32	2003 / 50	Heather J. & David L. Smallwood II	1408 / 636	0.33
31	2003 / 49	Albert Buzzelli	1295 / 507	0.30
30	2003 / 48	Kevrin P. Barker	1396 / 633	0.35
29	2003 / 47	Howard D. & Judith J. Swick	1015 / 966	0.27
28	2003 / 46		1167 / 674	pld Lot L
27	2003 / 46.1	Vivetta Carter	1340 / 747	0.27
26	2003 / 66	Christian & Katherine Mesker	1637 / 623	2.96
25	424 / 6.7	Wendy G. Richards	1444 / 1175	3.16
24	424 / 10	Joseph H. Mason & Dedire Mason Brown	WB 119 / 1137	22.25
23	424 / 5	Joseph H. Mason	WB 87 / 514	41.13
22	424 / 53	Joe & Karen Gonzalez	1087 / 1095	6.04
21	424 / 55	Scott Louk	1378 / 139	0.674
20	424 / 56.3	James & Rhonda Kirby	1494 / 524	1.00
19	424 / 55.2	Amber Brooks Gaines	1546 / 73	0.806
18	424 / 29.1	Ovid & Joy Belt	1225 / 257	1.569
17	424 / 29	John & Paula Ziride	1323 / 695	0.15
16	424 / 13	Gregory Gail Burnside	1328 / 146	34.60
15	424 / 28	Ovid & Joy Belt	1183 / 224	1.906
14	424 / 28.1	John & Paula Ziride	1323 / 695	0.13
13	424 / 30	John & Paula Ziride	1323 / 670	5.00
12	424 / 30.1	John & Paula Ziride	1323 / 695	45.62
11	424 / 52.3	Robert J. Brighbill	1580 / 293	4.54
10	425 / 31.3	Gary S. & Melinda M. Brodwater	1354 / 175	2.00
9	424 / 52.1	Robert J. Brighbill	1560 / 293	190.96
8	424 / 52.2	David Keesucker	1533 / 1263	2.36
7	424 / 52	Barnica A. Keesucker	1186 / 552	2.17
6	425 / 31.1	Donna R. & David R. Scarff	1380 / 552	1.00
5	425 / 31.2	Linda & William W. Brodwater III	1343 / 1279	1.16
4	445 / 1		- / -	87.78
3	445 / 10	Leea M. Nutter	WB 687 /	66.87
2	445 / 2		445	84.57
1	425 / 31	Linda & William W. Brodwater III	1410 / 1045	247.84

FILE NO: 195-36-G-18  
DRAWING NO: 1208 N-1H As-Drilled Well Plat  
SCALE: 1" = 1500'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

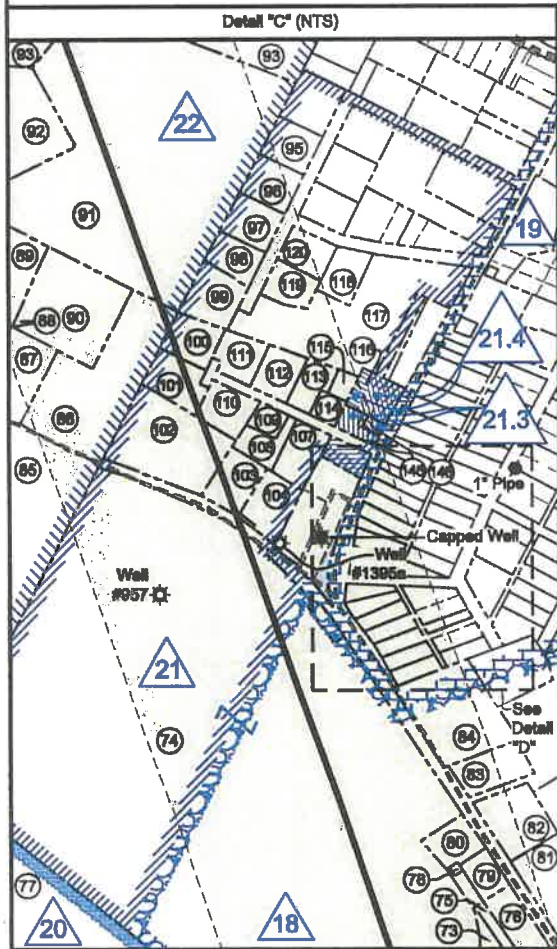
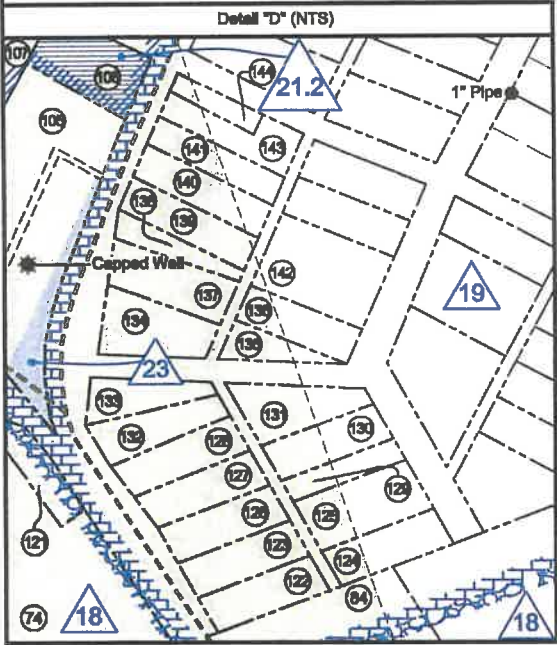


DATE: April 28 20 20  
OPERATOR'S WELL NO. 1208 N-1H  
API WELL NO  
47 - 033 - 05940  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,147' WATERSHED: Middle West Fork Creek QUADRANGLE: West Milford  
DISTRICT: Grant / Union COUNTY: Harrison  
SURFACE OWNER: Linda & William W. Brodwater III ACREAGE: 12,312.021  
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) 6,854' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,283' 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



No.	TM / Par	Owner	Bk / Pg	Ac.
146	424 / 11.1	Eric A. & Alana N. Burnside	1395 / 1099	13.92
147	424 / 31	Chris & Misty Montgomery	1449 / 358	15.30
148	2901 / 9	Trustees of Jackson Lodge 35	800 / 11	0.07
145	2901 / 8		808 / 27	0.16
144	2901 / 89.1	Oscar Lee Rhodes	1231 / 1177	0.07
143	2901 / 89	Robert & Martha Allaman	1208 / 984	0.17
142	2901 / 117	Jon S. Skinner, et al	WB185/401	0.344
141	2901 / 88	Sherron K. McKinney & Frankie Snyder	1297 / 539	0.15
140	2901 / 87			0.18
139	2901 / 86			0.12
138	2901 / 85			0.22
137	2901 / 84	Mary E. James	1223 / 1017	0.172
136	2901 / 115	John & Dreama Homer	1287 / 963	0.102
135	2901 / 114	Ronzal C. Sandra K. Richards	1077 / 1129	-
134	2901 / 83			0.185
133	2901 / 82			0.191
132	2901 / 81			0.22
131	2901 / 113	Gary Michael Ward & Eugene B. Ward Jr.	WB139 / 736	0.17
130	2901 / 112			0.10
129	2901 / 111			0.172
128	2901 / 80	Robert D. Witt	1114 / 801	0.172
127	2901 / 79			0.172
126	2901 / 78			0.172
125	2901 / 110	Jason & Rebecca Riggeman	1351 / 1030	0.241
124	2901 / 109			0.172
123	2901 / 77			0.172
122	2901 / 76	Molvin & Mary E. James	1084 / 131	0.13
121	404 / 45			0.41
120	2901 / 212	Andrew & Denise Bellores	1556 / 989	0.41
119	2901 / 219.1	Warren E. Davis	1594 / 739	0.40
118	2901 / 216	Christopher & Rachel Hurst	1329 / 972	0.43
117	2901 / 219	Sharon M. Johnson, Trustee of Oleta M. Post Irrev. Trust	1576 / 818	19.00
116	2901 / 10	Jane D. Courtney	1116 / 412	0.57
115	2901 / 200.1	William & Jane Courtney	1274 / 979	0.13
114	2901 / 199	Trustees of Jackson Lodge 35	1044 / 1036	0.172
113	2901 / 200	Beverly K. Rinehart	1274 / 1176	0.45
112	2901 / 204	Joyce A. Priestavec	1123 / 626	0.430
111	2901 / 203	Randall R. & Debra L. Stover	1132 / 78	0.387
110	2901 / 198	Eugene R. & Lisa D. Messer	1246 / 593	0.51
109	2901 / 201	Judith Ann Carlin	1314 / 338	0.51
108	2901 / 201.1	Ronzal C. & Sandra K. Richards	1340 / 856	0.35
107	2901 / 198	Doyce L. & Rebecca J. Puckett	1461 / 916	0.50
106	2901 / 7	Robert J. Hitt & Amanda Jo Hitt	1594 / 742	0.26
105	2901 / 3	William Ariene Blee 98% Int. & Rebecca Jane Puckett 1% Int.	1437 / 432	1.50
104	2901 / 185	Jennifer L. & David K. Downward	1410 / 140	0.88
103	2901 / 195.1	Ronzal C. & Sandra K. Richards	1282 / 548	0.55
102	2901 / 194	Frank R. & Shelby J. Costello	1374 / 207	1.75
101	2901 / 202	Kenneth R. & Helen M. Queen	1486 / 488	0.86
100	2901 / 197	Brian & Karrell A. Vernon	1228 / 350	0.53
99	2901 / 219.2	Ryan & Sara Amelone	1402 / 603	1.19
98	2901 / 217	Edward & Loretta McElwee	1217 / 292	0.50
97	2901 / 206	James & Megan Williams	1512 / 282	0.50
96	2901 / 207	Sandra K. & Errol E. Mogan Jr.	1332 / 1114	0.49
95	2901 / 206	Thomas & Kristie Wardelle	1542 / 351	0.48
94	404 / 32.4	Post Heritage, LLC	1398 / 155	10.43
93	404 / 32.5	Richard P. & Carol L. Rapping	1389 / 71	12.70
92	404 / 33	William F. & Catherine A. Rapping	1399 / 87	14.74
91	404 / 32.9	Patricia R. & William T. Dougless	1399 / 93	11.90
90	404 / 33.5	Kenneth R. & Helen M. Queen	1292 / 1071	1.84
89	404 / 33.4	Merrine Romine	1333 / 190	1.82
88	404 / 33.3		1333 / 192	0.306
87	404 / 33.1	Lisa A. Moore	1389 / 1030	1.10
86	404 / 33.2	Richard E. Lawrence	1018 / 123	1.88
85	404 / 43	Perry L. & Deborah J. Post	1329 / 348	96.12
84	404 / 46	Annette C. Nichols	1370 / 901	1.88
83	404 / 55.8	Brian W. Myers	1439 / 1139	0.63
82	404 / 55.5			0.75
81	404 / 52	Jackson Lodge 35 A.F. & A.M.	342 / 378	2.90
80	404 / 55.2	Michael J. & Sandra R. Bode	1022 / 193	0.51
79	404 / 47	Bethel ME Church	826 / 539	0.31
78	404 / 55.8	Grant Union PSD	1164 / 949	0.02
77	424 / 2	William Michael McDonald	1387 / 583	293.21

FILE NO: 195-36-G-18  
DRAWING NO: 1208 N-1H As-Drilled Well Plat  
SCALE: 1" = 1500'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV



DATE: April 28 20 20  
OPERATOR'S WELL NO. 1208 N-1H  
API WELL NO  
47 -- 033 -- 05940  
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: West Milford  
DISTRICT: Grant / Union COUNTY: Harrison  
SURFACE OWNER: Linda & William W. Brodwater III ACREAGE: 12.3102021  
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) 6,854' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,283' 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

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

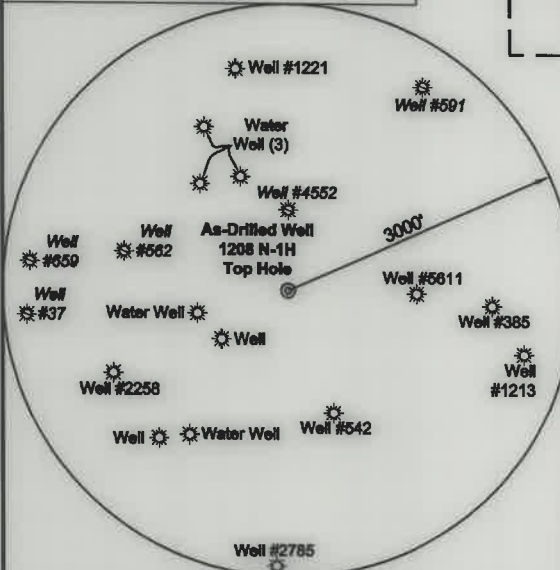
LONGITUDE 80 - 25 - 00  
4,901' to Top Hole  
8,224' to Bottom Hole

Tag	Bearing	Dist.
L1	S 36°48' E	1,226.4'
L2	S 21°28' E	1,242.3'
L3	S 89°47' W	1,355.7'
L4	N 68°11' W	1,178.0'

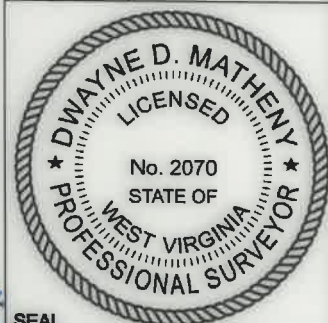


Notes:  
Well No. 1208 N-1H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,218,965.94' E: 1,803,801.67'  
Landing Point Coordinates  
N: 14,218,597.58' E: 1,802,018.17'  
Bottom Hole Coordinates  
N: 14,230,766.80' E: 1,797,672.20'

Notes: Well No. 1208 N-1H  
West Virginia Coordinate System of 1927, South Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°09'11.55" Latitude: 39°11'08.69"  
Longitude: 80°25'28.34" Longitude: 80°26'42.71"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,333,946.438m N: 4,337,548.335m  
E: 549,738.888m E: 547,931.582m  
Plat orientation and corner and well references  
are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.



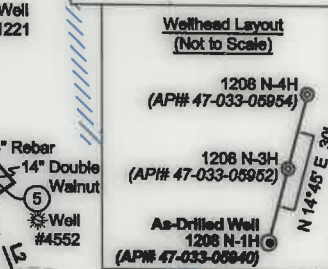
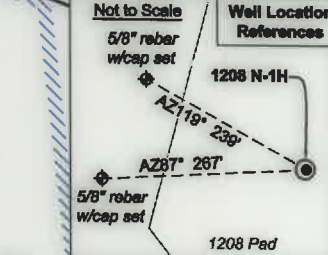
Note: 5 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



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.)



FILE NO: 195-36-G-18  
DRAWING NO: 1208 N-1H As-Drilled 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: April 28 20 20  
OPERATOR'S WELL NO. 1208 N-1H  
API WELL NO  
47 - 033 - 05940  
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 / Union

SURFACE OWNER: Linda & William W. Brodwater III

ROYALTY OWNER: Leeman B. Maxwell Helrs, et al

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: 20,283' MD 6,854' 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

QUADRANGLE: West Milford  
COUNTY: Harrison  
ACREAGE: 205

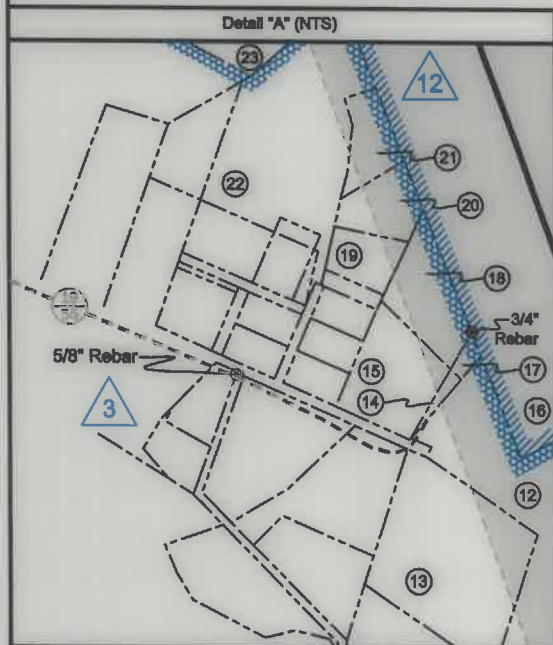
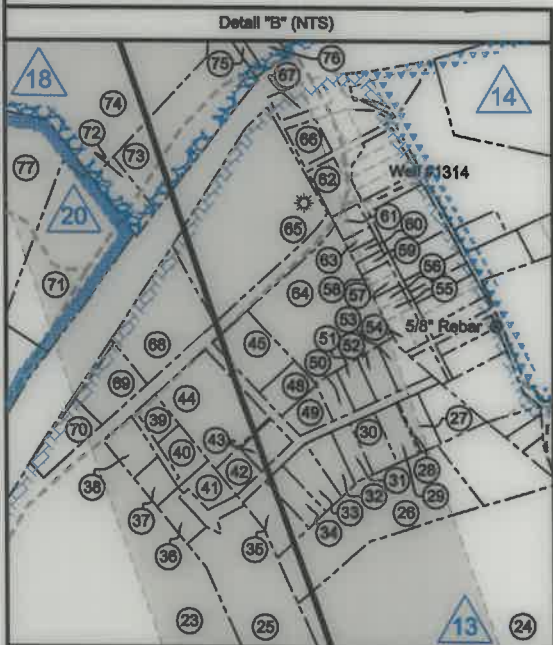
ACREAGE: 247.84

12/31/2021



ID	Lease
1	Jerome B. Guzman
2	Leeman B. Maxwell Heirs
3	William Burnside, et al
4	Ono Myers, et al
5	Claudia Hacker, et al
6	Leeman B. Maxwell Heirs
10	Rabacca D. Reed, et al
11	David Scott, et al
12	Nathan Post, et al
13	William Burnside, et al
14	Joseph Chevront, et al

ID	Lease
16	Howard W. Vanscoy, et al
18	George W. Washburn, et al
19	Lloyd Washburn, et al
20	William Burnside
21	Olga E. Washburn, et ux
21.2	HG Energy II 108
21.3	HG Energy II 109
21.4	HG Energy II 110
22	J.P. Post & C.F. Post
23	Fee



No.	TM / Par	Owner	Bk / Pg	Ac.
76	404 / 48	Trustees of Bethel Methodist Church	649 / 350	0.46
75	404 / 55.7	Bethel ME Church	1191 / 266	0.21
74	404 / 56.1	Terence L. Washburn	1332 / 1140	42.37
73	404 / 55.12	Bethel ME Church	1191 / 266	2.47
72	404 / 55.13	Terence Washburn	1322 / 1140	0.496
71	404 / 49	William M. McDonald	1387 / 584	2.75
70	424 / 7.1	Rennard D. & Gladis G. Rinehart	1387 / 1158	0.62
69	424 / 7	Ronnie & Sandy Cochran	1394 / 185	0.65
68	424 / 8	Carl D. & Joyce E. Ward	1227 / 787	1.56
67	2003 / 1			
66	2003 / 2	Donovan F. Randolph Estates, et al	W163 / 397	0.06
65	404 / 50			0.84
64	2003 / 66	Billy L. & Barbara E. Nutter	953 / 526	3.77
63	2003 / 15	William & Grace Preece	1061 / 1168	3.11
62	2003 / 5	UNKNOWN	- / -	Lot 20
61	2003 / 12			0.19
60	2003 / 17	Veima Steff, et al	F095 / 796	0.15
59	2003 / 19			Lot 22
58	2003 / 21			Lot 24
57	2003 / 23	Edra B. Cox	WB117 / 12	0.26
56	2003 / 25			Lot 28
55	2003 / 27			Lot 30
54	2003 / 30			Lot 32
53	2003 / 63	Brian & Kelli Rhoades	1522 / 736	0.12
52	2003 / 62			0.31
51	2003 / 61			0.25
50	2003 / 60	Nora Perrine	1165 / 171	0.24
49	2003 / 59	Roger & Diana Hurst	1165 / 165	0.23
48	2003 / 58	Donna Randolph	1004 / 948	0.30
47	404 / 8			0.34
46	404 / 7	Mary Ann Tiano	1473 / 409	0.34
45	2003 / 56			14.86
44	2003 / 55	Melinda Bibbee	932 / 456	142.74
43	2003 / 54	James S. Murphy	1498 / 951	0.71
42	2003 / 54.1	Glenn Kirkpatrick	1563 / 672	2.08
41	424 / 6.6	Carl & Carolyn James	1454 / 295	0.32
40	424 / 6.3	Palmer C. Dolph II	999 / 805	0.23
39	424 / 6.5	Kimberly Sus Smithson	1331 / 1127	0.34
38	424 / 6.1	Dale R. Holden	1364 / 508	0.34
37	424 / 6.4	John L. Homer	1368 / 135	0.30
36	424 / 6.2	Todd Joseph Brown	1212 / 1094	1 Lot
35	2003 / 53	Jason & Teresa Allen	1223 / 658	0.26
34	2003 / 52	George & Madge Hennen	1501 / 702	0.27
33	2003 / 51			0.56
32	2003 / 50	Heather J. & David L. Smallwood II	995 / 738	0.34
31	2003 / 49	Albert Buzzell	986 / 728	0.38
30	2003 / 48	Kevin P. Barker	1408 / 638	0.33
29	2003 / 47	Howard D. & Judith J. Swick	1295 / 507	0.30
28	2003 / 46	Vivetta Carter	1336 / 633	0.36
27	2003 / 46.1	Christan & Katherine Meeker	1015 / 986	0.27
26	2003 / 65	Wendy G. Richards	1167 / 874	pld Lot L
25	424 / 6.7	Joseph H. Mason & Dadrine Mason Brown	1340 / 747	0.27
24	424 / 10	Joseph H. Mason	1537 / 523	2.96
23	424 / 5	Joe & Karen Gonzalez	1444 / 1175	3.18
22	424 / 53	Scott Louk	WB119 / 1137	22.25
21	424 / 55	James & Rhonda Kirby	WB 87 / 514	41.13
20	424 / 55.3	Amber Brooke Gaines	1067 / 1095	6.04
19	424 / 55.2	Ovid & Joy Bell	1378 / 139	0.674
18	424 / 29.1	Ovid & Joy Bell	1494 / 524	1.00
17	424 / 29	John & Paula Zirkle	1548 / 73	0.808
16	424 / 13	Gregory Gail Burnside	1225 / 257	1.589
15	424 / 28	John & Paula Zirkle	1323 / 665	0.15
14	424 / 28.1	John & Paula Zirkle	1326 / 146	34.60
13	424 / 30	John & Paula Zirkle	1183 / 224	1.905
12	424 / 30.1	Robert J. Brightbill	1323 / 665	0.13
11	424 / 52.3	Gary S. & Melinda M. Brodwater	1323 / 670	6.00
10	425 / 31.3	Robert J. Brightbill	1323 / 665	46.62
9	424 / 52.1	David Keesucker	1560 / 293	4.54
8	424 / 52.2	Bernice A. Keesucker	1354 / 175	2.00
7	424 / 52	Dona R. & David R. Scarff	1560 / 293	139.98
6	425 / 31.1	Linda & William W. Brodwater III	1533 / 1283	2.38
5	425 / 31.2	Lisa M. Nutter	1188 / 552	2.17
4	445 / 1		1360 / 652	1.00
3	445 / 10		1343 / 1279	1.18
2	445 / 2		- / -	87.78
1	425 / 31	Linda & William W. Brodwater III	WB 687 / 445	66.87
			445	84.57
			1410 / 1045	247.84

FILE NO: 195-36-G-18  
DRAWING NO: 1208 N-1H As-Drilled 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: April 28 20 20  
OPERATOR'S WELL NO. 1208 N-1H  
API WELL NO  
47 - 033 - 05940  
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: West Milford

DISTRICT: Grant / Union

COUNTY: Harrison

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)

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,854' TVD 20,283' 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