

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

API 47 - 033 - 05968 County Harrison District Grant Union
Quad West Milford Pad Name Neel 1207 Field/Pool Name Fink Kennedy
Farm name Neel Well Number 1207 N6H
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 4333848.689 Easting 551630.902
Landing Point of Curve Northing 4334011.506 Easting 552081.634
Bottom Hole Northing 4338102.379 Easting 550637.227

Elevation (ft) 1344 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 11/20/2019 Date drilling commenced 1/2/2020 Date drilling ceased 12/8/2020
Date completion activities began 12/10/2020 Date completion activities ceased 3/14/2021
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 80, 638 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 430, 514, 538, 915, 1046 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Revised 6/10/22

Reviewed by:
[Signature]
FOR SDW

09/16/2022

API 47-033 - 05968 Farm name Neel Well number 1207 N6H

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		No
Surface	26"	20"	1088	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2192	New	68 lbs/ft J-55		Yes
Intermediate 2	12.25"	9.625"	3010	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5"	5.5"	21832	New	23 lbs/ft P-110		Yes
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	not cemented						
Surface	Class A	1921	15.6	1.18	2267	surface	8
Coal							
Intermediate 1	Class A	1880/731	16.0/16.4	1.16/1.12	2181/819	surface	24
Intermediate 2	Class A	945	15.6	1.2	1134	surface	8
Intermediate 3							
Production	Class A	1135/3352	13.5/14.8	1.67/1.34	1895/4492	surface	8
Tubing							

Drillers TD (ft) ²¹⁸⁵¹ _____ Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁶⁷⁰⁰ _____

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 _____

HG Energy II Appalachia, LLC

Neel 1207 N-6H

Perforation Record

Stage #	Date	Perf from depth	Perf to depth	Number of perfs	Formation
Sleeve / 1	12/20/2020	21784	21756	N/A	Marcellus
2	12/20/2020	21,722	21,554	28	Marcellus
3	12/21/2020	21,526	21,358	28	Marcellus
4	12/22/2020	21,330	21,162	28	Marcellus
5	12/23/2020	21,134	20,966	28	Marcellus
6	12/27/2020	20,938	20,770	28	Marcellus
7	12/28/2020	20,742	20,574	28	Marcellus
8	12/28/2020	20,546	20,378	28	Marcellus
9	12/29/2020	20,350	20,182	28	Marcellus
10	12/30/2020	20,154	19,986	28	Marcellus
11	1/1/2021	19,958	19,790	28	Marcellus
12	1/2/2021	19,762	19,594	28	Marcellus
13	1/3/2021	19,566	19,398	28	Marcellus
14	1/7/2021	19,370	19,202	28	Marcellus
15	1/7/2021	19,174	19,006	28	Marcellus
16	1/8/2021	18,978	18,810	28	Marcellus
17	1/8/2021	18,782	18,614	28	Marcellus
18	1/8/2021	18,586	18,418	28	Marcellus
19	1/9/2021	18,390	18,222	28	Marcellus
20	1/9/2021	18,194	18,026	28	Marcellus
21	1/10/2021	17,998	17,830	28	Marcellus
22	1/10/2021	17,802	17,634	28	Marcellus
23	1/11/2021	17,606	17,438	28	Marcellus
24	1/11/2021	17,410	17,242	28	Marcellus
25	1/13/2021	17,214	17,046	28	Marcellus
26	1/15/2021	17,018	16,850	28	Marcellus
27	1/15/2021	16,822	16,654	28	Marcellus
28	1/16/2021	16,626	16,458	28	Marcellus
29	1/16/2021	16,430	16,262	28	Marcellus
30	1/17/2021	16,234	16,066	28	Marcellus
31	1/18/2021	16,038	15,870	28	Marcellus
32	1/18/2021	15,842	15,674	28	Marcellus
33	1/19/2021	15,646	15,478	28	Marcellus
34	1/19/2021	15,450	15,282	28	Marcellus
35	1/19/2021	15,254	15,086	28	Marcellus
36	1/24/2021	15,058	14,890	28	Marcellus
37	1/24/2021	14,862	14,694	28	Marcellus
38	1/25/2021	14,666	14,498	28	Marcellus
39	1/26/2021	14,470	14,302	28	Marcellus
40	1/27/2021	14,274	14,106	28	Marcellus
41	1/28/2021	14,078	13,910	28	Marcellus
42	2/1/2021	13,882	13,714	28	Marcellus
43	2/1/2021	13,686	13,518	28	Marcellus
44	2/2/2021	13,490	13,322	28	Marcellus
45	2/2/2021	13,294	13,126	28	Marcellus
46	2/2/2021	13,098	12,930	28	Marcellus
47	2/3/2021	12,902	12,734	28	Marcellus
48	2/3/2021	12,706	12,538	28	Marcellus
49	2/3/2021	12,510	12,342	28	Marcellus
50	2/3/2021	12,314	12,146	28	Marcellus
51	2/3/2021	12,118	11,950	28	Marcellus
52	2/4/2021	11,922	11,754	28	Marcellus
53	2/4/2021	11,726	11,558	28	Marcellus
54	2/4/2021	11,530	11,362	28	Marcellus

09/16/2022

55	2/5/2021	11,334	11,166	28	Marcellus
56	2/5/2021	11,138	10,970	28	Marcellus
57	2/5/2021	10,942	10,774	28	Marcellus
58	2/6/2021	10,746	10,578	28	Marcellus
59	2/6/2021	10,550	10,382	28	Marcellus
60	2/6/2021	10,354	10,186	28	Marcellus
61	2/6/2021	10,158	9,990	28	Marcellus
62	2/7/2021	9,961	9,793	28	Marcellus
63	2/7/2021	9,763	9,595	28	Marcellus
64	2/7/2021	9,565	9,397	28	Marcellus
65	2/8/2021	9367	9199	28	Marcellus
66	2/8/2021	9169	9001	28	Marcellus
67	2/8/2021	8971	8803	28	Marcellus
68	2/9/2021	8773	8605	28	Marcellus
69	2/9/2021	8575	8407	28	Marcellus
70	2/17/2021	8377	8209	28	Marcellus
71	2/17/2021	8179	8011	28	Marcellus
72	2/17/2021	7981	7813	28	Marcellus
73	2/17/2021	7783	7615	28	Marcellus

09/16/2022

HG Energy II Appalachia, LLC

**Neel 1207 N-6H
Stimulation Record**

Stage #	Date	Ave pump rate (BPM)	Ave Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve / 1	12/20/2020	75.4	9053	N/A	3478	270320	7493
2	12/20/2020	90.6	9,486	8,969	4,650	700,100	14,041
3	12/21/2020	88.0	9,526	6,365	4,715	698,940	15,103
4	12/22/2020	87.7	9,802	5,857	4,631	702,200	13,560
5	12/23/2020	82.8	9,728	5,861	4,427	701,800	13,456
6	12/27/2020	77.6	9,380	6,036	5,224	702,500	12,595
7	12/28/2020	79.2	9,414	5,759	5,165	703,240	12,648
8	12/28/2020	82.7	9,559	5,781	4,926	706,340	11,600
9	12/29/2020	86.7	9,972	6,010	5,420	707,110	11,699
10	12/30/2020	73.8	9,922	6,341	5,500	705,600	9,899
11	1/1/2021	81.6	9,698	6,143	4,642	677,600	9,603
12	1/2/2021	84.6	9,673	6,443	4,947	705,010	9,923
13	1/3/2021	87.0	9,815	6,724	5,376	708,480	9,924
14	1/7/2021	92.0	9,923	6,501	4,834	707,200	10,015
15	1/7/2021	89.0	9,764	6,323	5,330	705,400	9,883
16	1/8/2021	86.0	9,753	6,584	4,815	705,140	11,661
17	1/8/2021	88.9	9,551	6,169	4,512	667,400	10,816
18	1/8/2021	92.0	9,724	6,224	5,240	607,440	9,148
19	1/9/2021	95.0	9,730	5,577	4,805	705,420	11,176
20	1/9/2021	97.0	9,770	6,126	5,925	689,760	9,615
21	1/10/2021	93.0	9,891	6,251	4,831	705,460	9,978
22	1/10/2021	94.8	9,731	5,864	6,225	695,000	9,707
23	1/11/2021	93.0	9,562	5,074	4,613	705,440	9,850
24	1/11/2021	95.0	9,591	6,206	5,160	704,860	9,952
25	1/13/2021	88.6	9,594	4,403	5,137	705,600	9,708
26	1/15/2021	87.0	9,366	5,679	5,252	706,800	9,694
27	1/15/2021	91.0	9,725	5,460	4,681	704,920	9,762
28	1/16/2021	90.0	9,710	6,194	5,249	708,120	9,778
29	1/16/2021	90.0	9,932	6,055	5,211	705,900	9,790
30	1/17/2021	89.2	9,723	6,199	5,067	705,820	9,777
31	1/18/2021	92.0	9,952	6,684	5,318	705,900	9,756
32	1/18/2021	94.8	9,772	6,529	5,505	705,720	9,816
33	1/19/2021	92.8	9,722	5,906	5,276	705,300	9,651
34	1/19/2021	95.0	9,854	4,692	4,416	490,520	8,352
35	1/19/2021	94.7	8,797	5,055	4,812	708,020	9,958
36	1/24/2021	104.2	9,676	5,340	5,160	706,300	9,758
37	1/24/2021	102.3	9,970	4,297	5,820	705,100	9,795
38	1/25/2021	98.3	9,771	6,463	5,911	706,080	9,716
39	1/26/2021	94.1	9,823	5,922	5,784	705,780	9,666
40	1/27/2021	91.9	9,570	5,580	5,703	705,040	9,920
41	1/28/2021	93.6	9,899	5,377	5,447	705,700	9,542
42	2/1/2021	95.9	9,611	3,935	4,426	680,800	9,388
43	2/1/2021	96.0	9,954	5,466	4,740	680,960	9,411
44	2/2/2021	92.8	9,705	5,479	4,686	684,000	9,558
45	2/2/2021	94.0	9,914	4,784	4,740	679,900	9,598
46	2/2/2021	97.0	9,844	5,645	5,020	680,640	9,596
47	2/3/2021	91.4	9,647	5,610	4,565	680,500	9,257
48	2/3/2021	95.0	9,775	5,605	4,856	680,640	9,749
49	2/3/2021	88.0	9,843	5,001	4,680	679,880	9,465
50	2/3/2021	94.0	9,637	5,200	4,602	680,360	9,661
51	2/3/2021	101.9	9,613	5,670	4,613	680,700	9,167
52	2/4/2021	104.0	9,542	5,685	4,517	681,860	9,547
53	2/4/2021	107.0	9,393	5,013	5,022	680,020	9,499
54	2/4/2021	99.8	8,634	5,387	4,305	681,400	9,554
55	2/5/2021	109	9,285	5,352	5,092	680,140	9,585
56	2/5/2021	104	9,491	5,632	5,529	680,020	9,628

09/16/2022

57	2/5/2021	100.5	8,952	6,021	4,846	680,300	9,339
58	2/6/2021	99.5	9,024	5,559	5,078	680,500	9,348
59	2/6/2021	106	9,135	5,621	5,202	603,900	9,600
60	2/6/2021	106	9,199	5,557	4,603	680,600	9,583
61	2/6/2021	104	8,874	5,884	4,674	680,500	9,312
62	2/7/2021	94	8,646	6,244	5,348	681,730	9,494
63	2/7/2021	105	9,144	5,498	4,600	680,460	9,554
64	2/7/2021	101	9,453	5,731	4,721	680,000	9,549
65	2/8/2021	101	9,145	5,925	4,515	679840	9,510
66	2/8/2021	102	8,580	5,210	5,349	680660	9,707
67	2/8/2021	104.3	8,969	5,383	4,608	682700	9,337
68	2/9/2021	103	8,455	3,474	5,310	680080	9,323
69	2/9/2021	105.4	8,900	5,359	4,830	681200	9,420
70	2/17/2021	103.5	8,779	6,280	4,550	680840	9,329
71	2/17/2021	109.2	8,520	3,407	4,608	680720	9,476
72	2/17/2021	108.3	9,009	5,911	4,753	683160	9,689
73	2/17/2021	110	8,683	5,996	4,267	680340	9,529

09/16/2022

HG Energy II Appalachia, LLC
Neel 1207 N-6H
Lithology Record

Formation	Top MD	TVD	Base MD	TVD
Coal	430	430	434	434
Coal	514	514	516	516
Coal	538	538	546	546
Coal	915	915	918	918
1st Salt Sand	910	910	1010	1010
Coal	1046	1046	1054	1054
2nd Salt Sand	1069	1069	1202	1202
20" casing		1088		
3rd Salt Sand	1202	1202	1256	1256
Lower Maxton	1492	1492	1518	1518
Little Lime	1542	1542	1556	1556
Big Lime	1584	1584	1646	1646
Big Injun	1646	1646	1756	1756
Gantz	1968	1968	2030	2030
50' Sand	2074	2074	2140	2140
30 foot Sand	2181	2181	2191	2191
13-3/8" casing		2192		
Gordon Stray	2219	2219	2279	2279
Gordon/Forth Sand	2279	2279	2466	2466
5th Sand	2526	2526	2538	2538
Bayard	2592	2592	2602	2602
Warren	2893	2892	2933	2932
9-5/8' Casing		3010		
Speechley	3202	3197	3211	3208
Balltown	3423	3411	3438	3426
Benson	4626	4531	4639	4542
Rhinstreet	6094	5889	6716	6462
Cashaqua	6716	6462	6956	6675
Middlesex	6956	6675	7089	6792
West River	7089	6792	7259	6932
Burket	7259	6932	7328	6986
Tully	7328	6986	7458	7075
Hamilton	7458	7075	7578	7143
Marcellus	7578	7143	21851	7170

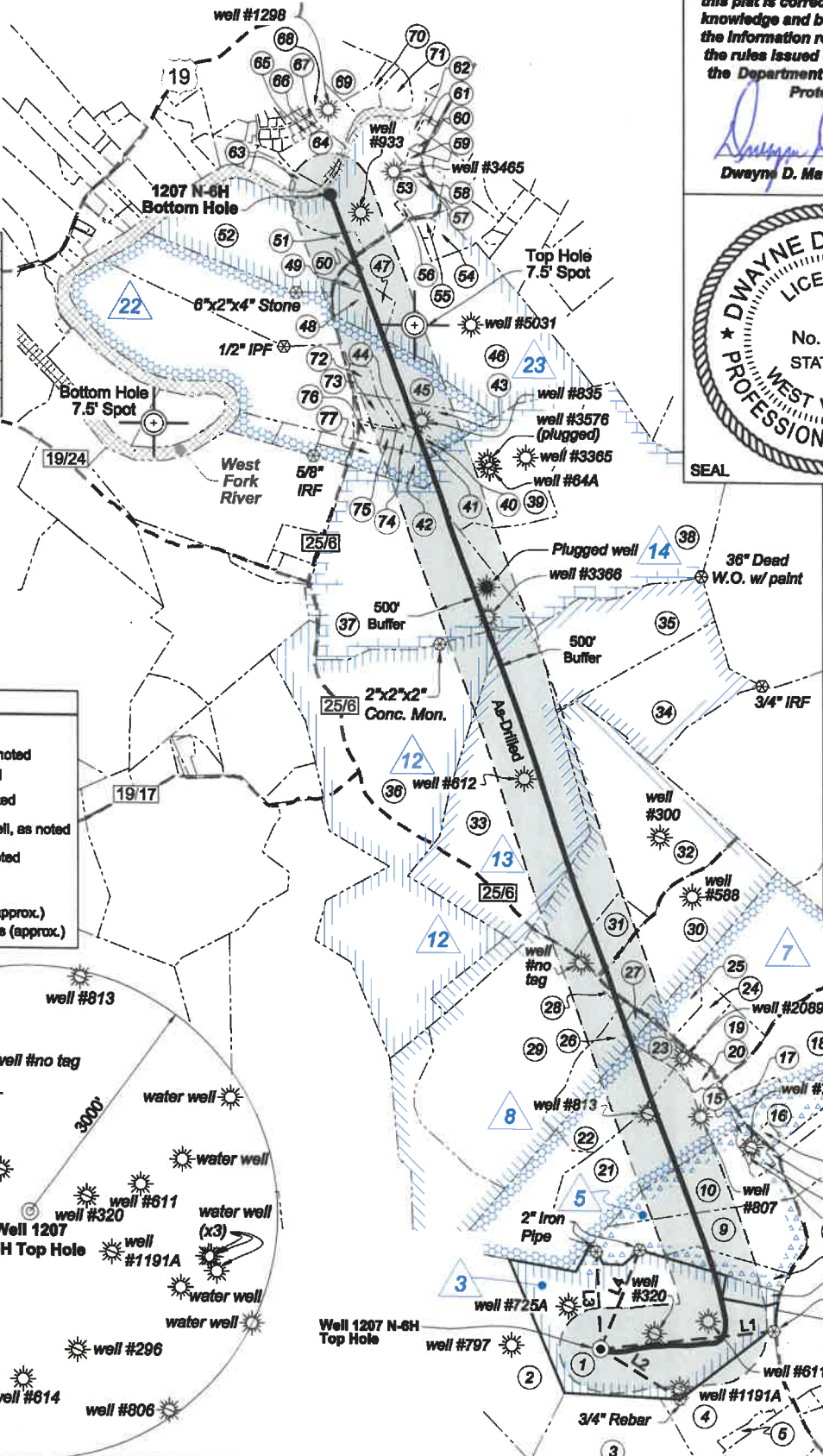


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070



ID	Lease
3	Dora B. McWhorter, et al
5	A.C. Thrash, et al
7	Mae Gaston, et al
8	Charles H. Gaston, et al
12	WV Conservation Committee
13	Rachel S. Hershay, et al
14	Robert & Betty Stevenson, et al
22	Vance Ward, et al
23	Roscoe Alliman, et ux

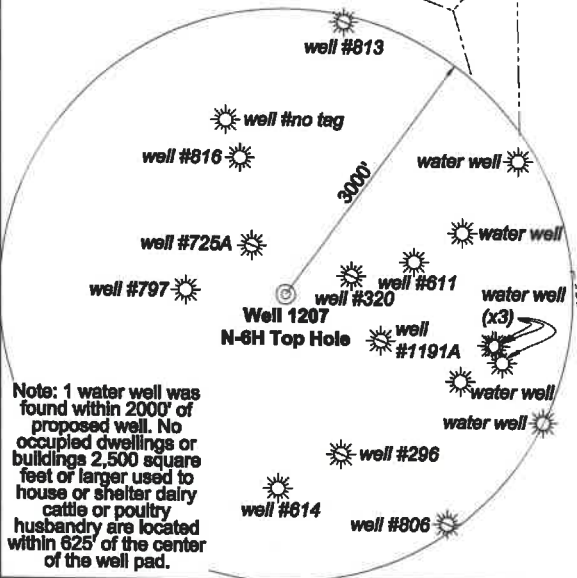


Notes: Well No. 1207 N-6H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Top Hole coordinates Latitude: 39°09'07.98" Longitude: 80°24'09.54" Bottom Hole coordinates Latitude: 39°11'26.18" Longitude: 80°24'49.79" UTM Zone 17, NAD 1983 Top Hole Coordinates N: 4,333,848.689m E: 551,630.902m Bottom Hole Coordinates N: 4,338,102.379m E: 550,637.227m 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. 1207 N-6H UTM NAD 1983 (USSF) Top Hole Coordinates N: 14,218,635.24' E: 1,809,809.05' Landing Point Coordinates N: 14,219,154.97' E: 1,811,285.99' Bottom Hole Coordinates N: 14,232,590.89' E: 1,806,548.97'

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: 1 water well was 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.

Tag	Bearing	Dist.
L1	S 83°38' W	2,109.2'
L2	N 58°12' E	1,130.6'
L3	S 02°30' E	1,173.3'
L4	S 21°35' W	1,288.8'

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 N-6H ASWP
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

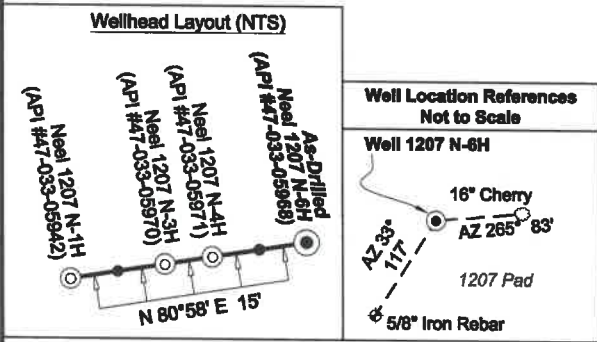
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 14 20 21
OPERATOR'S WELL NO. Neel 1207 N-6H
API WELL NO
47 - 033 - 05968
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: West Milford
DISTRICT: Grant / Union COUNTY: Harrison
SURFACE OWNER: HG Energy II Appalachia, LLC ACREAGE: 85.07
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,170' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,851' 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	Ac.	Owner	Bk / Pg
1	445 / 5	89.07	HG Energy II Appalachia, LLC	--- / ---
2	445 / 3	64.00	Lisa M. Nutter	W687 / 445
3	445 / 13	132.85	Mickey Pettito	W175 / 1167
4	445 / 13.1	26.67	Martha Ellen Lambert	--- / ---
5	445 / 15.1	35.00	Martha Ellen Lambert	1276 / 582
6	445 / 5.1	3.38	David W. Lohr	1531 / 421
7	445 / 7	8.00	Anthony D. Snider	1350 / 818
8	428 / 71	233.35	Antonio P LLC	1503 / 291
9	425 / 30.1	30.00	James W. & Susan A. Freeman	1139 / 366
10	425 / 30	21.39	Earl H. & Melissa J. Graham	1337 / 366
11	425 / 29.1	0.27	Rhonda R. & George P. Koutsobaris	1420 / 93
12	425 / 23.3	0.54	Rhonda R. & George P. Koutsobaris	1420 / 93
13	425 / 23.5	0.29	Rhonda R. & George P. Koutsobaris	1411 / 1231
14	425 / 22	1.00	Duck Creek Mission Church Trust	1024 / 964
15	425 / 23.4	0.80	Marlene & Robert V. Shepherd	1201 / 112
16	425 / 21	0.36	Judith H. Russell	1212 / 1074
17	425 / 20	3.00	Jeffery L. & Parry S. Harvey	1394 / 807
18	425 / 19	31.00	Antonio P LLC	1503 / 291
19	425 / 10	9.80	Joy L. Jarrett	1272 / 348
20	425 / 10.1	3.10	Robert R. & Debbie A. Partain	1308 / 553
21	425 / 29	53.04	Marva Shepherd	W166 / 413
22	425 / 28	19.92	Marva Shepherd	W166 / 413
23	425 / 9	3.88	Leslie S. Riggelman	W127 / 680
24	425 / 11.1	5.12	Linda Snyder	1124 / 768
25	425 / 11	6.29	Linda Snyder	1124 / 768
26	425 / 8.1	13.48	James L. Sellers Family Revocable Trust	1480 / 728
27	425 / 8.3	1.41	Melanie S. & Jay A. Morris	1386 / 660
28	425 / 8.2	0.39	Linda & Mark Wilfong	1438 / 93
29	425 / 8	100.18	James L. Sellers Family Revocable Trust	1480 / 725
30	425 / 12	42.60	Antonio P LLC	1503 / 291
31	425 / 13	9.00	Penny L. Hines	1481 / 53
32	425 / 14	73.60	WVDNR	W85 / 624
33	425 / 6	105.55	WVDNR	W85 / 624
34	425 / 15	40.85	WVDNR	W85 / 624
35	405 / 81	42.00	WVDNR	W85 / 624
36	425 / 5	173.80	WV State Conservation Commission	W33 / 148
37	405 / 80	90.97	Mary Lou Smith	W177 / 1179
38	405 / 80	90.97	Mary Lou Smith	W177 / 1179
39	405 / 74	107.76	Mary Lou Smith	W177 / 1179

No.	TM / Par	Ac.	Owner	Bk / Pg
40	405 / 62.8	0.73	Duaine L. & Tracy M. Butcher	1452 / 343
41	405 / 62.5	1.24	Dean C. Ramsey, Trustee	1338 / 985
42	405 / 72.1	4.32	Melissa Barker	1403 / 68
43	405 / 62.2	9.93	Danny Joe Miller	1521 / 1108
44	405 / 62.7	0.48	Jeremy L. & Tricia Dobbins	1452 / 340
45	405 / 82	56.18	Evalyn Marie Ward	--- / ---
46	405 / 63.8	80.25	Kimberly K. & John T. Lough	1518 / 822
47	405 / 63.10	4.00	Kimberly K. & John T. Lough	1518 / 822
48	405 / 63.5	4.00	Charles F. & Dawn L. Grow	1495 / 523
49	405 / 63.7	1.00	Robert J. Markley, Jr., et al	1580 / 310
50	405 / 63.6	0.50	John P. & Virginia R. Markley	1353 / 1084
51	405 / 63.3	1.15	Ralph L. & Ruth A. Davis	1027 / 283
52	405 / 63.2	42.47	Larry D. Myers Revocable Trust	W191 / 1279
53	405 / 63	32.60	Larry D. Myers & Joseph E. Nuttner	1294 / 1089
54	405 / 63.4	4.28	Kimberly K. & John T. Lough	1518 / 822
55	405 / 63.9	1.01	Michael J. & Carolyn L. Thomas	1348 / 92
56	405 / 63.1	0.53	Larry D. Myers Revocable Trust	W191 / 1279
57	405 / 35.2	1.00	Joseph R. & Tammy A. Romano	1192 / 512
58	405 / 35.5	0.87	Ricky W. & Michele K. Hitt	1208 / 1133
59	405 / 35.3	0.70	Adam & Danalea O'Connell	1586 / 539
60	405 / 35.1	0.38	Robert A. Holland	1594 / 281
61	405 / 35.4	1.02	Gary A. & Judith A. Garton	1381 / 946
62	405 / 35	1.50	John Huff	1539 / 126
63	405 / 34.1	2.00	Daniel Scott Frame	1579 / 549
64	405 / 34	7.00	Jamie M. & William H. McDaniels, Sr.	1382 / 347
65	385A / 32	Lot 32	Deeanna E. & Paul D. Blake	1480 / 1119
66	385A / 33	Lot 33	Deeanna E. & Paul D. Blake	1480 / 1119
67	385A / 22	Lot 22	Sean Eric Cottrill	1531 / 1189
68	385 / 111	7.41	Donna J. Heldreth & Connie L. Wesse Estate	--- / ---
69	385 / 112	11.79	Victor J. & Delores N. Hunt	1387 / 527
70	405 / 12	3.38	Roger D. Mealey, Jr.	1400 / 1031
71	405 / 12.1	3.38	Brandy D. Fultz	1491 / 512
72	405 / 62.10	2.06	Danny J. & Deborah J. Miller	1505 / 8
73	405 / 62.6	2.63	Michael T. Jr & Ramona J. Morris	1527 / 376
74	405 / 62.4	0.99	Tricia A. & Jeremy L. Dobbins	1336 / 990
75	405 / 62.9	0.74	Tricia A. & Jeremy L. Dobbins	1476 / 953
76	405 / 62.3	1.26	Wayne & Naomi McHenry	1537 / 488
77	405 / 72	4.32	Sandra W. & Willard Miller	1031 / 554

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 N-6H ASWP
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV



DATE: April 14 20 21
OPERATOR'S WELL NO. Neel 1207 N-6H
API WELL NO
47 - 033 - 05968
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: West Milford
DISTRICT: Grant / Union COUNTY: Harrison
SURFACE OWNER: HG Energy II Appalachia, LLC ACREAGE: 89.16/2022
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,170' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,851' 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
Dwayne D. Matheny, P.S. 2070

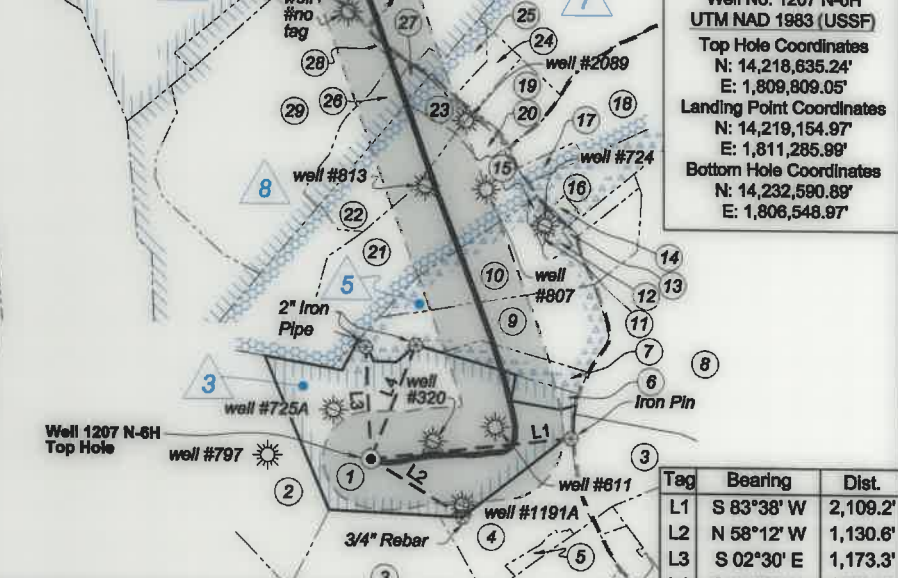
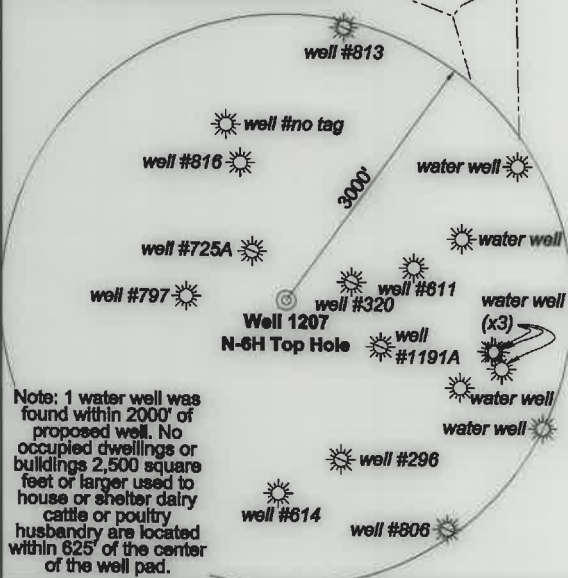


LONGITUDE 80 - 22 - 30
5,263' to Top Hole
6,455' to Bottom Hole



ID	Lease
3	Dora B. McWhorter, et al
5	A.C. Thrash, et al
7	Mae Gaston, et al
8	Charles H. Gaston, et al
12	WV Conservation Committee
13	Rachel S. Hershey, et al
14	Robert & Betty Stevenson, et al
22	Vance Ward, et al
23	Roscoe Allman, et ux

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. 1207 N-6H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates
Latitude: 39°09'07.98"
Longitude: 80°24'09.54"
Bottom Hole coordinates
Latitude: 39°11'26.18"
Longitude: 80°24'49.79"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,333,848.689m
E: 551,630.902m
Bottom Hole Coordinates
N: 4,338,102.379m
E: 550,637.227m
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. 1207 N-6H UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,635.24'
E: 1,809,809.05'
Landing Point Coordinates
N: 14,219,154.97'
E: 1,811,285.99'
Bottom Hole Coordinates
N: 14,232,590.89'
E: 1,806,548.97'

Tag	Bearing	Dist.
L1	S 83°38' W	2,109.2'
L2	N 58°12' W	1,130.6'
L3	S 02°30' E	1,173.3'
L4	S 21°35' W	1,288.8'

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 N-6H ASWP
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 14 2021
OPERATOR'S WELL NO. Neel 1207 N-6H
API WELL NO
47 - 033 - 05968
STATE COUNTY PERMIT

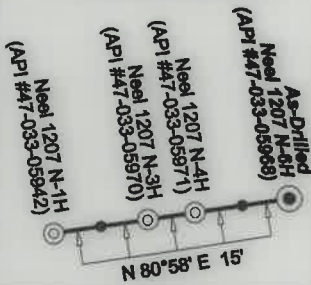
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: West Milford
DISTRICT: Grant / Union COUNTY: Harrison
SURFACE OWNER: HG Energy II Appalachia, LLC ACREAGE: 103.07
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,170' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,851' MD

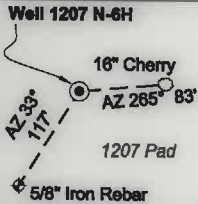
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



Wellhead Layout (NTS)



Well Location References
Not to Scale



No.	TM / Par	Ac.	Owner	Bk / Pg
1	445 / 5	89.07	HG Energy II Appalachia, LLC	--- / ---
2	445 / 3	64.00	Lisa M. Nuttner	W687 / 445
3	445 / 13	132.85	Mickey Pettito	W175 / 1167
4	445 / 13.1	28.67	Martha Ellen Lambert	--- / ---
5	445 / 15.1	35.00	Martha Ellen Lambert	1278 / 582
6	445 / 5.1	3.38	David W. Lohr	1531 / 421
7	445 / 7	8.00	Anthony D. Snider	1350 / 818
8	426 / 71	233.35	Antonio P LLC	1503 / 291
9	425 / 30.1	30.00	James W. & Susan A. Freeman	1139 / 386
10	425 / 30	21.39	Earl H. & Melissa J. Graham	1337 / 366
11	425 / 29.1	0.27	Rhonda R. & George P. Koutsobaris	1420 / 93
12	425 / 23.3	0.54	Rhonda R. & George P. Koutsobaris	1420 / 93
13	425 / 23.5	0.29	Rhonda R. & George P. Koutsobaris	1411 / 1231
14	425 / 22	1.00	Duck Creek Mission Church Trust	1024 / 964
15	425 / 23.4	0.80	Merlene & Robert V. Shepherd	1201 / 12
16	425 / 21	0.38	Juddith H. Russell	1212 / 1074
17	425 / 20	3.00	Jeffery L. & Parry S. Harvey	1394 / 607
18	425 / 19	31.00	Antonio P LLC	1503 / 291
19	425 / 10	9.80	Joy L. Jamett	1272 / 348
20	425 / 10.1	3.10	Robert R. & Debbie A. Partain	1308 / 553
21	425 / 29	53.04	Marva Shepherd	W166 / 413
22	425 / 28	19.92	Marva Shepherd	W166 / 413
23	425 / 9	3.88	Leslie S. Riggelman	W127 / 680
24	425 / 11.1	5.12	Linda Snyder	1124 / 768
25	425 / 11	6.29	Linda Snyder	1124 / 768
26	425 / 8.1	13.48	James L. Sellers Family Revocable Trust	1480 / 728
27	425 / 8.3	1.41	Melanie S. & Jay A. Morris	1388 / 660
28	425 / 8.2	0.39	Linda & Mark Wilfong	1438 / 93
29	425 / 8	100.18	James L. Sellers Family Revocable Trust	1480 / 725
30	425 / 12	42.80	Antonio P LLC	1503 / 291
31	425 / 13	9.00	Penny L. Hines	1481 / 53
32	425 / 14	73.60	WVDNR	W85 / 624
33	425 / 6	105.55	WVDNR	W85 / 624
34	425 / 15	40.85	WVDNR	W85 / 624
35	405 / 81	42.00	WVDNR	W85 / 624
36	425 / 5	173.80	WV State Conservation Commission	W33 / 148
37	405 / 80	90.97	Mary Lou Smith	W177 / 1179
38	405 / 80	90.97	Mary Lou Smith	W177 / 1179
39	405 / 74	107.76	Mary Lou Smith	W177 / 1179

No.	TM / Par	Ac.	Owner	Bk / Pg
40	405 / 62.8	0.73	Duane L. & Tracy M. Butcher	1452 / 343
41	405 / 62.5	1.24	Dean C. Ramsey, Trustee	1338 / 985
42	405 / 72.1	4.32	Melissa Barker	1403 / 68
43	405 / 62.2	9.93	Danny Joe Miller	1521 / 1108
44	405 / 62.7	0.48	Jeremy L. & Tricia Dobbins	1452 / 340
45	405 / 62	56.18	Evelyn Marie Ward	--- / ---
46	405 / 63.8	80.25	Kimberly K. & John T. Lough	1518 / 822
47	405 / 63.10	4.00	Kimberly K. & John T. Lough	1518 / 822
48	405 / 63.5	4.00	Charles F. & Dawn L. Grow	1495 / 523
49	405 / 63.7	1.00	Robert J. Markley, Jr., et al	1560 / 310
50	405 / 63.6	0.50	John P. & Virginia R. Markley	1353 / 1084
51	405 / 63.3	1.15	Ralph L. & Ruth A. Davis	1027 / 283
52	405 / 63.2	42.47	Larry D. Myers Revocable Trust	W191 / 1279
53	405 / 63	32.60	Larry D. Myers & Joseph E. Nuttner	1294 / 1089
54	405 / 63.4	4.26	Kimberly K. & John T. Lough	1518 / 822
55	405 / 63.9	1.01	Michael J. & Carolyn L. Thomas	1348 / 92
56	405 / 63.1	0.53	Larry D. Myers Revocable Trust	W191 / 1279
57	405 / 35.2	1.00	Joseph R. & Tammy A. Romano	1192 / 512
58	405 / 35.5	0.87	Ricky W. & Michele K. Hitt	1208 / 1133
59	405 / 35.3	0.70	Adam & Danae O'Connell	1586 / 539
60	405 / 35.1	0.36	Robert A. Holland	1594 / 261
61	405 / 35.4	1.02	Gary A. & Judith A. Garton	1381 / 948
62	405 / 35	1.50	John Huff	1539 / 126
63	405 / 34.1	2.00	Daniel Scott Frame	1579 / 549
64	405 / 34	7.00	Jamie M. & William H. McDaniels, Sr.	1382 / 347
65	385A / 32	Lot 32	Deanna E. & Paul D. Blake	1480 / 1119
66	385A / 33	Lot 33	Deanna E. & Paul D. Blake	1480 / 1119
67	385A / 22	Lot 22	Sean Eric Cottrill	1531 / 1189
68	385 / 111	7.41	Donna J. Heidreth & Connie L. Wease Estate	--- / ---
69	385 / 112	11.79	Victor J. & Deloras N. Hunt	1387 / 527
70	405 / 12	3.38	Roger D. Mealey, Jr.	1400 / 1031
71	405 / 12.1	3.38	Brandy D. Fulz	1491 / 512
72	405 / 62.10	2.06	Danny J. & Deborah J. Miller	1505 / 8
73	405 / 62.6	2.63	Michael T. Jr & Ramona J. Morris	1527 / 378
74	405 / 62.4	0.99	Tricia A. & Jeremy L. Dobbins	1338 / 990
75	405 / 62.9	0.74	Tricia A. & Jeremy L. Dobbins	1476 / 953
76	405 / 62.3	1.26	Wayne & Naomi McHenry	1537 / 486
77	405 / 72	4.32	Sandra W. & Willard Miller	1031 / 554

FILE NO: 296-36-G-18

DRAWING NO: Neel 1207 N-6H ASWP

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 14 20 21

OPERATOR'S WELL NO. Neel 1207 N-6H

API WELL NO

47 - 033 - 05968
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek

DISTRICT: Grant / Union

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Dora B. McWhorter, et al

LEASE NO: ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,170' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,851' 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

09/16/2022