

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

API 47-033-05977 County Harrison District Grant Union
Quad West Milford Pad Name Neel 1207 Field/Pool Name Lost Creek
Farm name Neel Well Number 1207 S12H
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 4333752.5555 Easting 551647.437
Landing Point of Curve Northing 4333996.373 Easting 552267.301
Bottom Hole Northing 4329637.829 Easting 553891.248

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

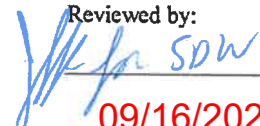
Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

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

Date permit issued 11/22/2019 Date drilling commenced 12/18/2019 Date drilling ceased 2/16/2021
Date completion activities began 2/22/2021 Date completion activities ceased 5/3/2021
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 43,514,538,915,1046 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

09/16/2022

API 47-033 - 05977 Farm name Neel Well number 1207 S12H

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"	1101	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2189	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	3004	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	23124	New	23 lbs/ft P-11		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							
Surface	Class A	437/1823	15.6/15.6	1.18/1.18	516/2151	Surface	8
Coal							
Intermediate 1	Class A	1716/661	15.4/15.9	1.24/1.17	2128/773	Surface	24
Intermediate 2	Class A	946	15.6	1.19	1126	Surface	8
Intermediate 3							
Production	Class A	868/3534	13.5/14.8	1.67/1.34	1450/4736	Surface	8
Tubing							

Drillers TD (ft) 23148 Loggers TD (ft) _____

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure Side track: pump 45.7 bbls 17.0 ppg cement 1.0 gal/6.81 sack drop wiper ball, pump 13 bbls 14.0 ppg spacer followed by 117 bbls 12.4 ppg SOBMs, max psi 175, POOH 30 fpm ltm 8410-7750' to pull 2-7/8" tubing (601') off kick plug, drop wiper ball and circulate above plug.

Kick off depth (ft) original hole: 6982', Side track 7921'

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 _____

API 47- 033 - 05977 Farm name Neel Well number 1207 S12H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>7155-7271</u> TVD	<u>7864-23148</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface 2,303 psi Bottom Hole _____ psi DURATION OF TEST 597 hrs
 OPEN FLOW Gas 22,680 mcfpd Oil _____ bpd NGL _____ bpd Water 2,136 bpd GAS MEASURED BY
 Estimated Orifice Pilot

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

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling
 Address _____ City _____ State _____ Zip _____

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 Nex Tier Completion Services
 Address 8300 Rt 119 N City Black Lick State PA Zip 15716

Please insert additional pages as applicable.

Completed by Diane White Telephone 304-420-1119
 Signature Diane White Title _____ Date 11/11/2021

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

09/16/2022

HG Energy II Appalachia, LLC

Neel 1207 S-12H

Perforation Record

Stage #	Perf Date	Perf from depth	Perf to depth	Number of perfs	Formation
Sleeve	3/1/2021	23072	23047	N/A	Marcellus
2	3/2/2021	23,010	22,866	40	Marcellus
3	3/7/2021	22,823	22,664	28	Marcellus
4	3/7/2021	22,645	22,478	28	Marcellus
5	3/7/2021	22,457	22,301	28	Marcellus
6	3/8/2021	22,270	22,095	28	Marcellus
7	3/8/2021	22,063	21,881	28	Marcellus
8	3/9/2021	21,857	21,684	28	Marcellus
9	3/9/2021	21,653	21,482	28	Marcellus
10	3/10/2021	21,451	21,276	28	Marcellus
11	3/10/2021	21,250	21,076	28	Marcellus
12	3/10/2021	21,044	20,869	28	Marcellus
13	3/10/2021	20,836	20,664	28	Marcellus
14	3/11/2021	20,630	20,463	28	Marcellus
15	3/11/2021	20,436	20,284	28	Marcellus
16	3/12/2021	20,252	20,093	28	Marcellus
17	3/12/2021	20,067	19,903	28	Marcellus
18	3/12/2021	19,886	19,722	28	Marcellus
19	3/13/2021	19,695	19,537	28	Marcellus
20	3/13/2021	19,506	19,345	28	Marcellus
21	3/14/2021	19,320	19,143	28	Marcellus
22	3/14/2021	19,125	18,947	28	Marcellus
23	3/15/2021	18,923	18,754	28	Marcellus
24	3/15/2021	18,733	18,550	28	Marcellus
25	3/15/2021	18,531	18,370	28	Marcellus
26	3/16/2021	18,346	18,186	28	Marcellus
27	3/16/2021	18,159	17,998	28	Marcellus
28	3/16/2021	17,964	17,813	28	Marcellus
29	3/17/2021	17,778	17,621	28	Marcellus
30	3/17/2021	17,595	17,440	28	Marcellus
31	3/17/2021	17,411	17,252	28	Marcellus
32	3/18/2021	17,228	17,048	28	Marcellus
33	3/18/2021	17,024	16,839	28	Marcellus
34	3/19/2021	16,812	16,636	28	Marcellus
35	3/19/2021	16,605	16,454	28	Marcellus
36	3/19/2021	16,419	16,255	28	Marcellus
37	3/20/2021	16,230	16,056	28	Marcellus
38	3/20/2021	16,024	15,845	28	Marcellus
39	3/20/2021	15,821	15,641	28	Marcellus
40	3/21/2021	15,616	15,440	28	Marcellus
41	3/21/2021	15,406	15,225	28	Marcellus
42	3/21/2021	15,204	15,023	28	Marcellus
43	3/22/2021	14,994	14,823	28	Marcellus
44	3/22/2021	14,803	14,630	28	Marcellus
45	3/22/2021	14,600	14,423	28	Marcellus
46	3/22/2021	14,384	14,216	28	Marcellus
47	3/23/2021	14,184	14,023	28	Marcellus
48	3/23/2021	13,998	13,825	28	Marcellus
49	3/23/2021	13,794	13,627	28	Marcellus
50	3/23/2021	13,596	13,418	28	Marcellus
51	3/24/2021	13,387	13,221	28	Marcellus
52	3/24/2021	13,195	13,035	28	Marcellus
53	3/24/2021	13,006	12,850	28	Marcellus
54	3/25/2021	12,819	12,657	28	Marcellus
55	3/25/2021	12,635	12,469	28	Marcellus

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56	3/25/2021	12,439	12,271	28	Marcellus
57	3/25/2021	12,248	12,065	28	Marcellus
58	3/25/2021	12,045	11,869	28	Marcellus
59	3/26/2021	11,834	11,653	28	Marcellus
60	3/26/2021	11,633	11,469	28	Marcellus
61	3/26/2021	11,440	11,274	28	Marcellus
62	3/26/2021	11,239	11,086	28	Marcellus
63	3/27/2021	11,058	10,881	28	Marcellus
64	3/27/2021	10,862	10,699	28	Marcellus
65	3/27/2021	10669	10494	28	Marcellus
66	3/28/2021	10465	10281	28	Marcellus
67	3/28/2021	10250	10092	28	Marcellus
68	3/28/2021	10064	9906	28	Marcellus
69	3/28/2021	9875	9719	28	Marcellus
70	3/28/2021	9696	9526	28	Marcellus
71	3/29/2021	9491	9327	28	Marcellus
72	3/29/2021	9300	9122	28	Marcellus
73	3/29/2021	9085	8911	28	Marcellus
74	3/29/2021	8884	8711	28	Marcellus
75	3/30/2021	8672	8503	28	Marcellus
76	3/30/2021	8475	8303	28	Marcellus
77	3/30/2021	8266	8095	28	Marcellus
78	3/30/2021	8064	7884	28	Marcellus

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HG Energy II Appalachia, LLC

Neel 1207 S-12H

Stimulation Record

Stage #	Perf Date	Ave pump rate (BPM)	Ave Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve	3/1/2021	76.0	9873	N/A	3732	269424	7800
2	3/2/2021	75.0	9,753	6,169	5,480	700,050	16,073
3	3/7/2021	79.2	9,970	6,439	5,950	702,900	14,688
4	3/7/2021	83.0	10,247	7,122	6,040	703,371	13,488
5	3/7/2021	80.1	10,255	6,867	6,620	703,000	13,612
6	3/8/2021	76.0	10,269	6,640	6,050	704,730	12,619
7	3/8/2021	80.5	10,247	6,687	5,501	704,700	12,682
8	3/9/2021	79.6	10,313	7,037	6,530	707,200	11,521
9	3/9/2021	81.0	10,286	7,027	5,640	705,360	11,811
10	3/10/2021	83.5	10,209	6,721	6,714	705,500	10,107
11	3/10/2021	78.3	10,263	7,121	6,540	706,200	9,750
12	3/10/2021	83.0	10,325	6,100	6,280	705,460	9,844
13	3/10/2021	81.0	10,194	4,946	6,519	704,500	9,898
14	3/11/2021	82.6	10,190	6,509	5,560	705,400	9,679
15	3/11/2021	85.0	10,288	6,979	5,824	706,460	9,886
16	3/12/2021	81.4	10,322	6,497	6,500	644,400	9,577
17	3/12/2021	84.9	9,917	6,644	6,220	706,500	10,650
18	3/12/2021	85.8	10,034	6,992	5,551	705,920	9,843
19	3/13/2021	82.2	10,178	6,627	7,650	707,000	9,708
20	3/13/2021	84.7	9,884	6,600	5,478	705,280	9,921
21	3/14/2021	84.2	9,974	6,328	5,940	707,300	9,721
22	3/14/2021	85.7	9,898	6,627	5,684	706,560	9,841
23	3/15/2021	84.8	9,870	6,403	5,649	705,100	9,775
24	3/15/2021	84.1	9,733	6,486	5,840	705,600	9,990
25	3/15/2021	86.7	9,708	6,416	5,743	704,910	10,085
26	3/16/2021	86.4	9,719	6,038	5,660	705,500	9,658
27	3/16/2021	88.8	9,669	6,871	5,780	700,800	9,659
28	3/16/2021	87.3	9,981	6,678	5,639	636,930	9,223
29	3/17/2021	89.1	9,971	6,575	6,113	700,000	9,527
30	3/17/2021	95.0	10,230	6,590	5,405	701,700	9,626
31	3/17/2021	95.9	10,036	6,503	5,419	701,100	9,536
32	3/18/2021	93.8	10,193	6,354	6,081	703,800	9,903
33	3/18/2021	93.6	10,042	6,406	6,251	700,810	9,510
34	3/19/2021	95.1	10,226	6,350	5,328	703,900	9,353
35	3/19/2021	100.5	10,293	6,247	5,340	700,600	9,381
36	3/19/2021	99.0	10,086	6,518	5,396	701,160	9,680
37	3/20/2021	100.8	10,276	6,564	5,336	699,900	9,438
38	3/20/2021	102.6	10,219	6,660	5,686	699,800	9,420
39	3/20/2021	100.2	10,096	6,249	5,778	700,080	9,633
40	3/21/2021	100.2	10,212	6,240	5,508	699,800	9,579
41	3/21/2021	99.3	10,453	6,514	7,471	509,600	9,186
42	3/21/2021	95.2	9,940	6,293	5,560	700,040	9,499
43	3/22/2021	97.4	10,022	6,467	4,613	700,400	9,555
44	3/22/2021	104.2	9,886	6,027	4,896	703,800	9,384
45	3/22/2021	106.8	9,836	6,052	5,233	703,600	9,187
46	3/22/2021	101.7	9,314	5,611	5,313	680,820	9,420
47	3/23/2021	108.0	9,969	6,310	5,253	682,230	9,494
48	3/23/2021	106.0	9,774	6,116	4,648	684,120	9,446
49	3/23/2021	109.3	9,845	5,891	4,874	681,260	9,517
50	3/23/2021	109.3	9,670	5,959	4,490	681,340	9,493
51	3/24/2021	109.0	10,068	5,907	4,714	679,100	9,375
52	3/24/2021	109.0	10,040	6,590	4,532	678,820	9,297
53	3/24/2021	107.8	9,888	6,584	4,489	681,900	9,373
54	3/25/2021	108	9,659	6,604	4,860	672,730	9,377

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55	3/25/2021	107	9,670	6,147	5,540	680,390	9,534
56	3/25/2021	110	9,900	6,429	5,217	684,500	9,543
57	3/25/2021	110	9,787	6,470	4,552	679,090	9,398
58	3/25/2021	108.2	9,847	6,385	4,800	680,580	9,490
59	3/26/2021	108.7	9,651	6,602	5,600	679,820	9,383
60	3/26/2021	109	9,789	5,367	5,301	682,190	9,593
61	3/26/2021	108	9,840	6,349	5,750	679,860	9,407
62	3/26/2021	109.4	9,684	6,534	4,900	681,100	9,452
63	3/27/2021	108	9,562	6,496	5,380	682,990	9,451
64	3/27/2021	110	9,642	6,039	4,870	682,070	9,487
65	3/27/2021	110	9,485	6,007	5,457	680200	9,437
66	3/28/2021	109.4	9,326	6,390	5,290	681220	9,493
67	3/28/2021	109	9,310	6,013	5,460	641580	9,148
68	3/28/2021	109	9,111	5,777	5,168	680060	9,457
69	3/28/2021	110	9,020	6,429	5,404	681160	9,395
70	3/28/2021	105.1	8,738	5,290	5,720	680460	9,384
71	3/29/2021	109	8,948	6,218	5,560	680580	9,473
72	3/29/2021	107	9,175	6,188	4,675	680290	10,668
73	3/29/2021	110	8,833	6,704	5,338	680540	9,522
74	3/29/2021	109.8	8,528	6,109	5,524	681960	9,595
75	3/30/2021	108.1	8,617	5,839	5,180	680590	9,546
76	3/30/2021	108	8,399	5,793	4,790	680410	9,613
77	3/30/2021	108	8,209	5,737	4,393	681780	10,362
78	3/30/2021	110	7,859	5,067	4,851	681900	9,290

09/16/2022

HG Energy II Appalachia, LLC
Neel 1207 S-12H
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		1101		
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		2189		
Gordon Stray	2219	2219	2279	2279
Gordon/Forth Sand	2279	2279	2466	2466
5th Sand	2527	2526	2539	2538
Bayard	2593	2592	2603	2602
Warren	2895	2892	2935	2932
9-5/8' Casing		3003		
Speechley	3202	3198	3220	3216
Balltown	3430	3423	3441	3435
Benson	4692	4527	4711	4543
Rhinestreet	6178	5807	6961	6485
Cashaqua	6961	6485	7226	6711
Middlesex	7226	6711	7331	6801
West River	7331	6801	7483	6924
Burket	7483	6924	7571	6988
Tully	7571	6988	7716	7080
Hamilton	7716	7080	7864	7155
Marcellus	7864	7155	9809	7271
Side Track	7921			
Marcellus	7864	7155	23148	7216

09/16/2022

7,787' to Top Hole

519' to Bottom Hole

TOP LATITUDE 39 - 10 - 00
 BTM LATITUDE 39 - 07 - 30

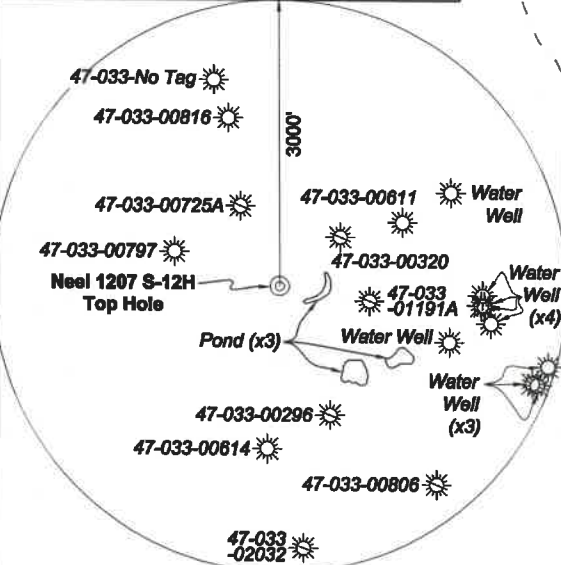
LONGITUDE 80 - 22 - 30

5,579' to Top Hole

Notes:
 Well No. Neel 1207 S-12H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,218,319.84'
 E: 1,809,863.30'
 Landing Point Coordinates
 N: 14,219,105.32'
 E: 1,811,895.13'
 Bottom Hole Coordinates
 N: 14,204,820.11'
 E: 1,817,227.87'

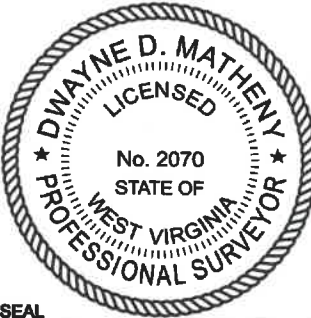


Notes: Well No. Neel 1207 S-12H
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°09'04.86" Latitude: 39°06'50.89"
 Longitude: 80°24'08.88" Longitude: 80°22'36.58"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,333,752.555m N: 4,329,637.829m
 E: 551,647.437m E: 553,891.248m
 Plat orientation and corner and well references are
 based upon the grid north meridian. Well location
 references are based upon the magnetic meridian.



Note: 1 water well and 3 ponds 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.

Tag	Bearing	Dist.	Description
L1	S 04°03' E	1,491.3'	2" Pipe
L2	S 15°30' W	1,570.9'	2" Pipe
L3	S 74°57' W	2,114.5'	Iron pin w/ cap
L4	N 72°49' W	949.0'	3/4" Rebar



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

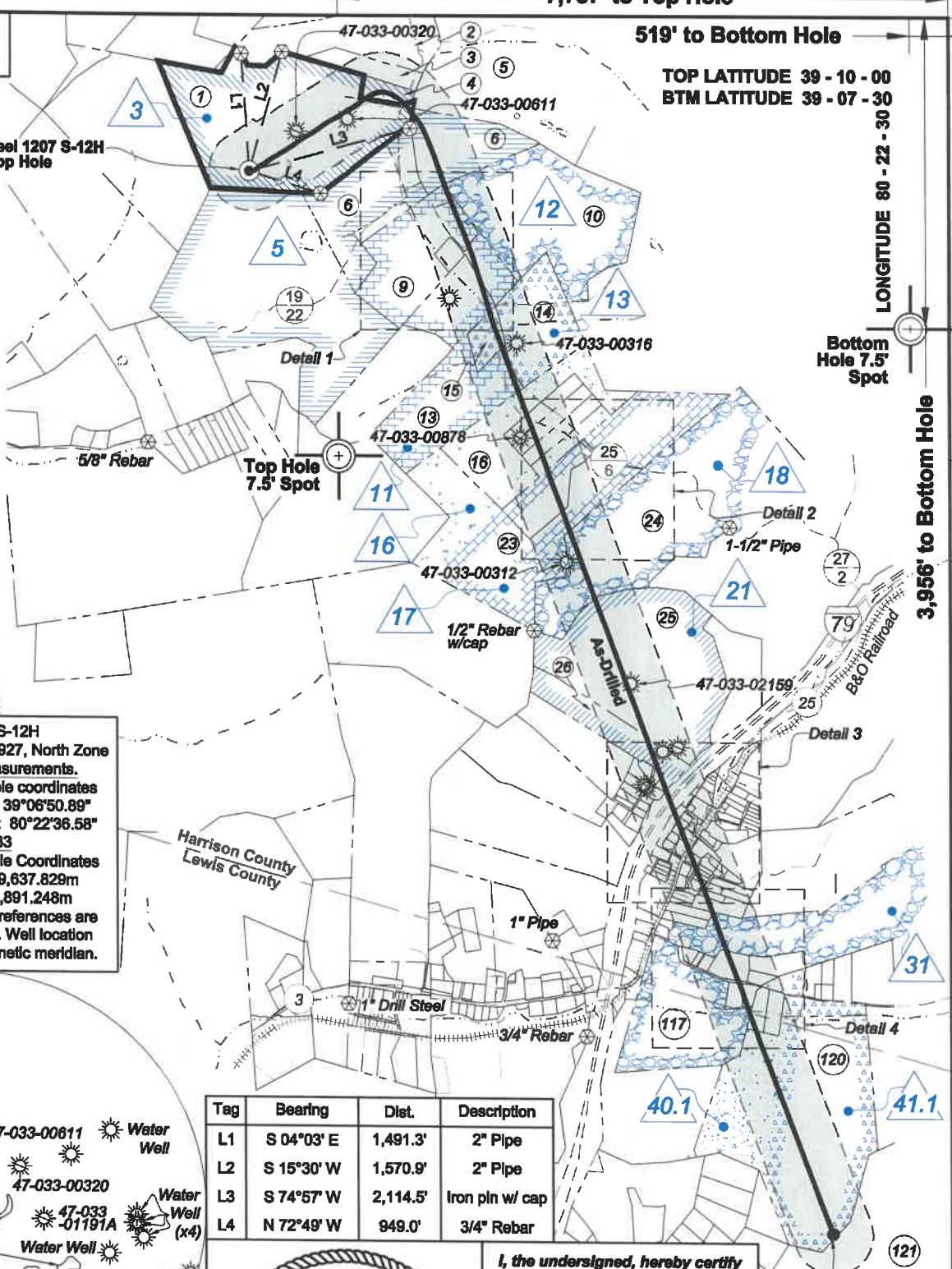
FILE NO: 296-36-G-18
 DRAWING NO: Neel 1207 S-12H ADWP
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: April 7 20 21
 OPERATOR'S WELL NO. Neel 1207 S-12H
 API WELL NO
 47 - 033 - 05977
 STATE COUNTY PERMIT

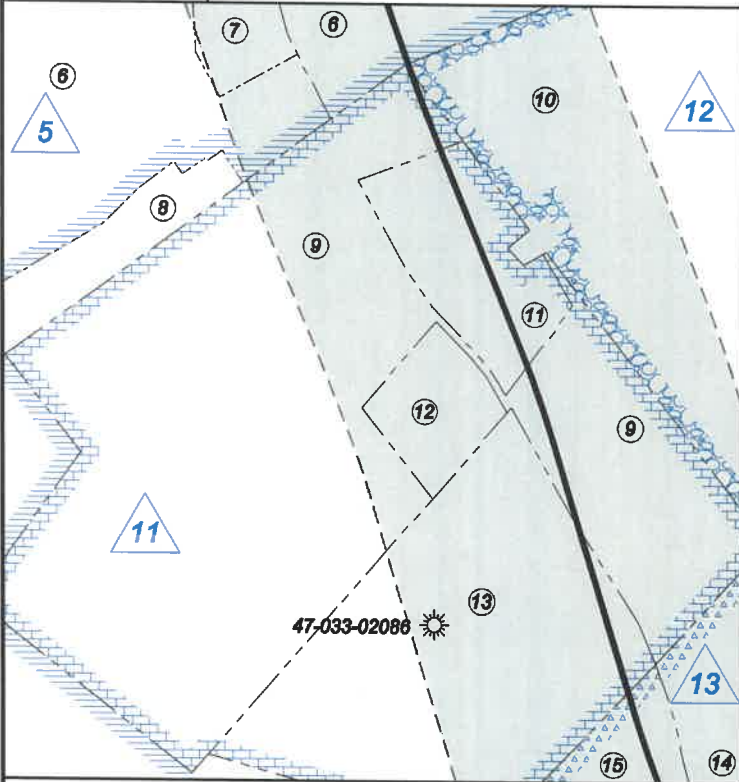
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
 DISTRICT: Grant
 SURFACE OWNER: Hubert E. & Sandra K. Neel
 ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,216' TVD 23,148' 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

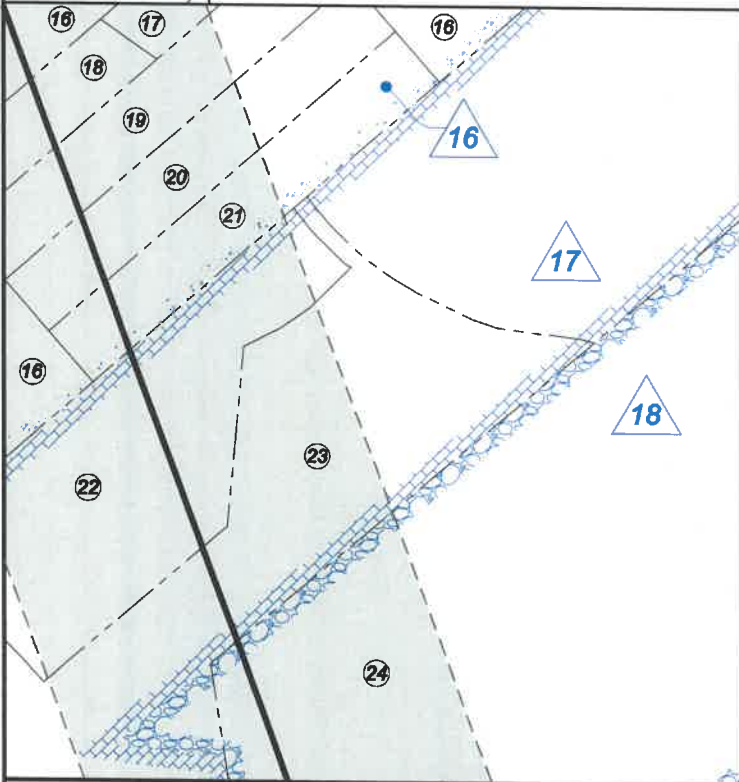




Detail 1 - 1" = 500'



Detail 2 - 1" = 500'



ID	Lease
3	Dora B. McWhorter, et al
5	United National Bank Trustee of Gore Morris
11	William L. Homer, et al
12	C.E. Hickman, et al
13	Thomas R. Homer, et al
16	Robert F. Martin, et al
17	Robert F. Martin, et al
18	Ethel J. Ward, et al
21	Nathan McWhorter, et al
28.0	Dominion Energy Transmission, Inc., et al
28.1	Michael G. Davisson, et al
28.2	Carol L. & Brian J. May
28.3	Jack K. & Debra J. Miller
28.7	Wanda Loretta Murphy, et al
28.38	Trustees of WV Wesleyan College, et al
28.43	Jonathan R. Schafferman & Andrea M. Reed
28.44	Lonnie F. Lamb
28.45	Jonathan R. Schafferman & Andrea M. Reed
28.46	John C. Forquer, Jr., et ux
28.47	Beverly J. Coffindaffer, et al
28.50	Tim Eagle, et al
28.51	Gary Batten
28.53	Dominion Energy Transmission, Inc., et al
28.56	Josh Nay, et al
28.62	Barbara Jean Maidens, et al
28.63	Jannie L. Wagoner Forquer, et al
28.64	Sandra K. Swiger Taylor, et al
28.67	Willard A. Lyall, et al
28.68	Tina G. Davisson, et al
31	Frank N. Wine, Jr., et al
40.1	Charles Anthony Coffindaffer, et al
40.3	Charles Anthony Coffindaffer, et al
41.1	Myrtle Edmonds, et al
47.1	James L. & Lesa D. Hines
47.7	Theodore J. Perine
47.8	Michael R. & JoAnn Bowman

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.)
	County Line
	Railroad
	Interstate
	County Routes

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H ADWP
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 7 2021
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
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

Top: West Milford
QUADRANGLE: Btm: Weston
COUNTY: Harrison
ACREAGE: 103.00

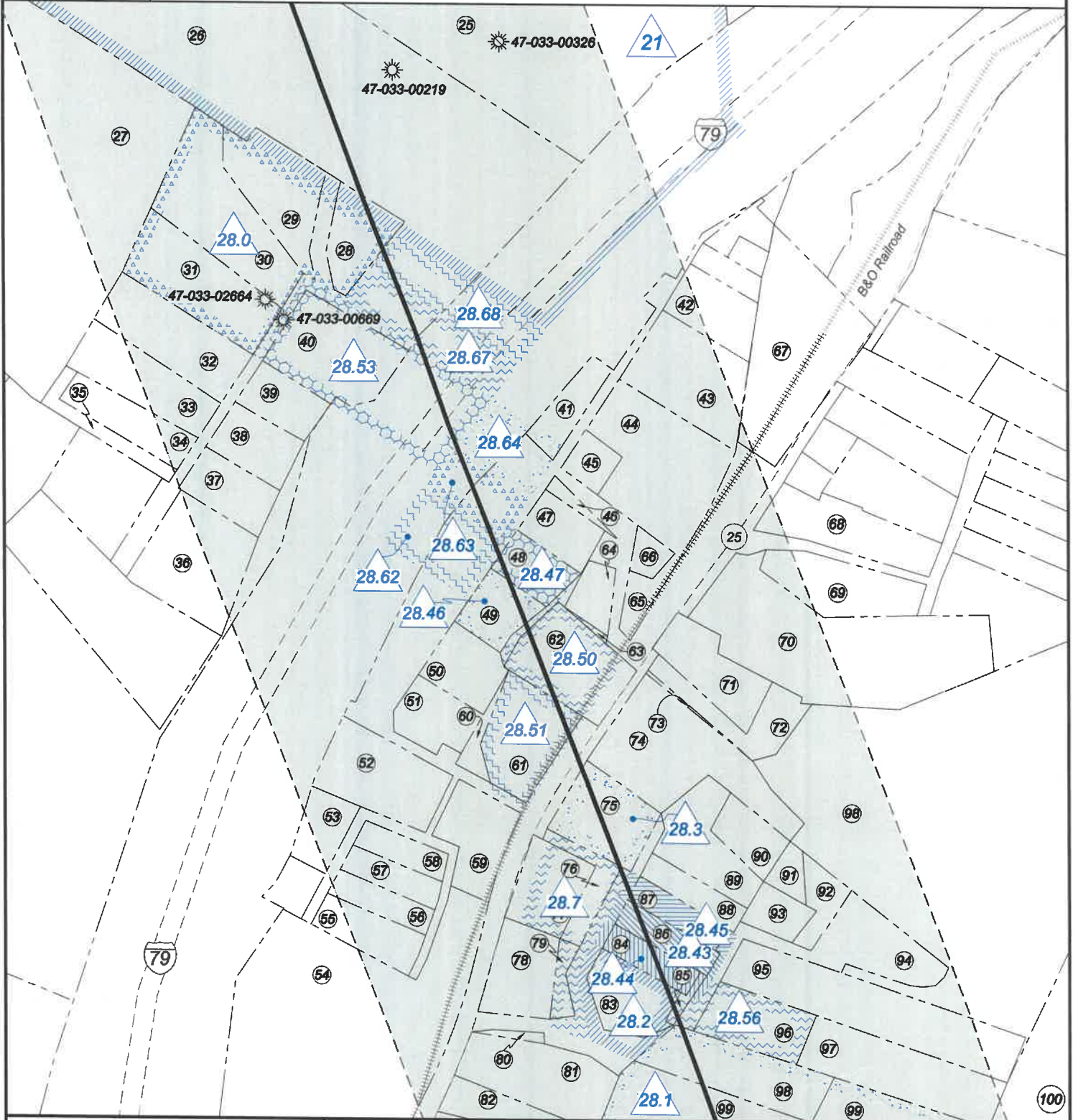
SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,148' MD 7,216' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5280 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



Detail 3 - 1" = 250'



FILE NO: 296-36-G-18
 DRAWING NO: Neel 1207 S-12H ADWP
 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 7 2021
 OPERATOR'S WELL NO. Neel 1207 S-12H
 API WELL NO
47 - 033 - 05977
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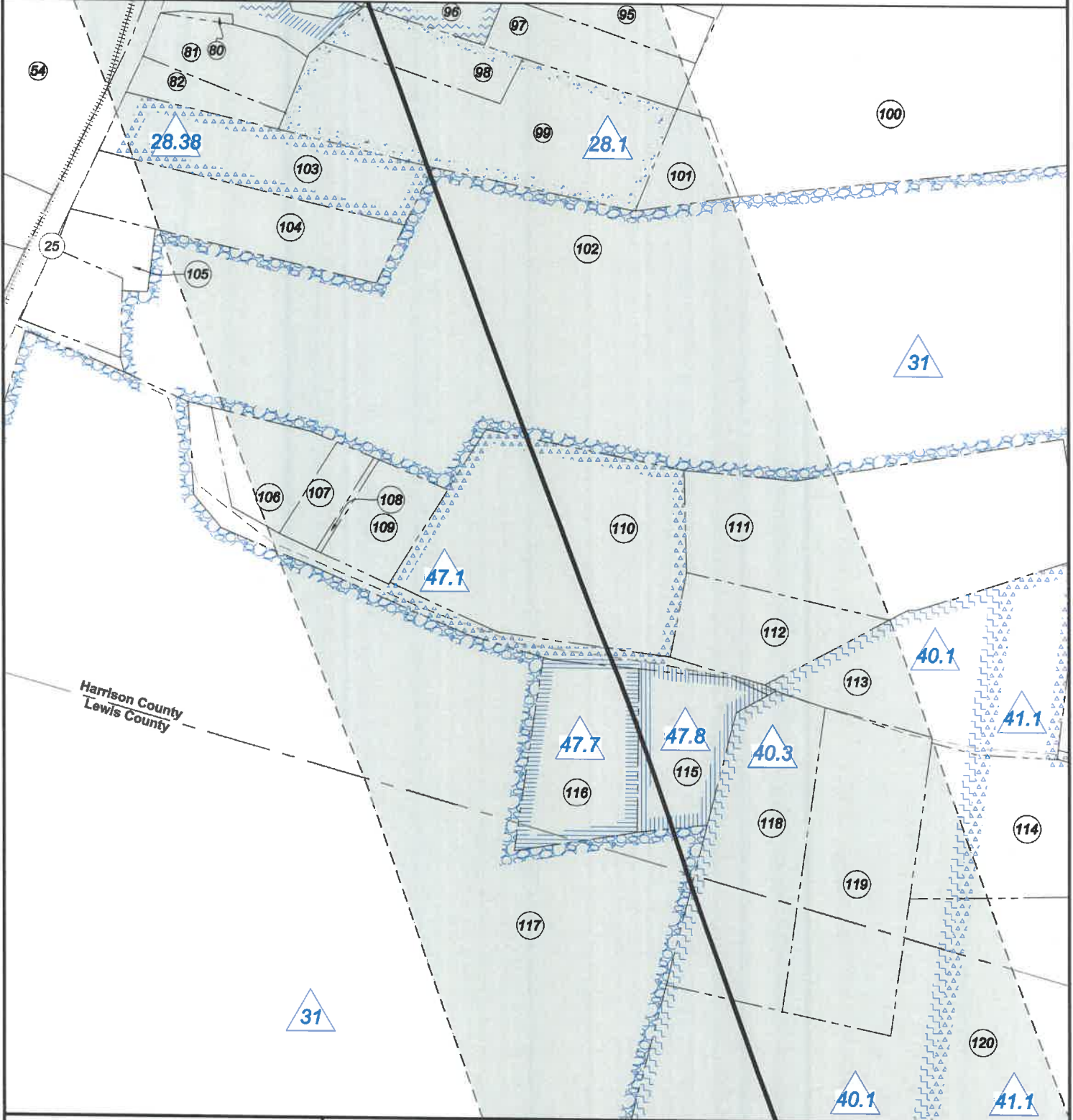
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: Top: West Milford
District: Grant Btm: Weston
 SURFACE OWNER: Hubert E. & Sandra K. Neel COUNTY: Harrison
 ROYALTY OWNER: Dora B. McWhorter, et al, 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) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,148' MD 7,216' TVD

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



Detail 4 - 1" = 250'



FILE NO: 296-36-G-18
 DRAWING NO: Neel 1207 S-12H ADWP
 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 7 20 21
 OPERATOR'S WELL NO. Neel 1207 S-12H
 API WELL NO
 47 - 033 - 05977
 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

SURFACE OWNER: Hubert E. & Sandra K. Neel
 ROYALTY OWNER: Dora B. McWhorter, et al, 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) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,216' TVD
 23,148' MD

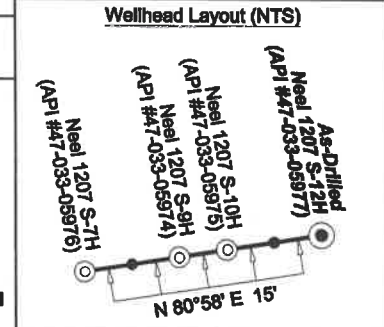
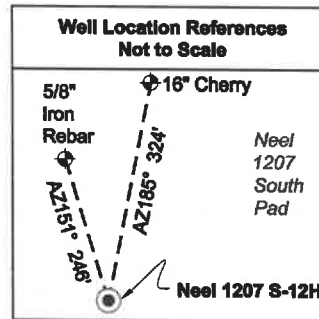
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
 ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

09/16/2022



Harrison Co. - Union-Outside Dist.

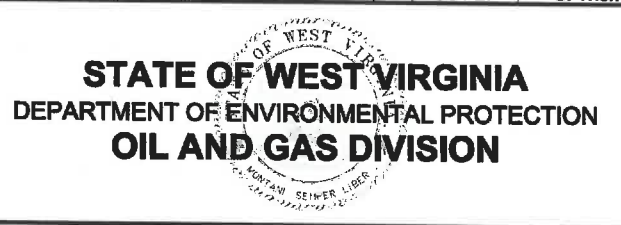
No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	Hubert E. & Sandra K. Neel	1541 / 1153	89.07
2	425 / 30.1	James W. & Susan A. Freeman	1139 / 386	30.00
3	445 / 7	Anthony D. Snider	1350 / 818	8.00
4	445 / 5.1	David W. Lohr	1531 / 421	3.38
5	426 / 7.1	Antonio P., LLC	1503 / 291	233.35
6	445 / 13.1	Martha E. Lambert	---	28.77
7	445 / 13.2	Diana & James W. Lambert	1598 / 1239	4.54
8	445 / 14	Martha E. Lambert	1276 / 582	2.61
9	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
10	446 / 16	Antonio P., LLC & Mike Ross, Inc.	---	68.85
11	445 / 15.2	Benjamin & Andrea Hall	1475 / 573	4.03
12	445 / 15.3	Maureen & Ferguson Calder	1502 / 722	2.08
13	445 / 15	Margaret S. Fisher	1276 / 576	49.69
14	446 / 17	Judith H. & David J. Savage	1161 / 11	24.92
15	445 / 29	Judith H. & David J. Savage	1161 / 11	5.00
16	446 / 30	Charles R. Sutton	1535 / 207	29.00
17	446 / 30.4	Brian Reed	1428 / 1334	2.18
18	446 / 30.5	Joseph & Stephine Richards	1588 / 679	2.66
19	446 / 30.3	Sylvia Horner Kreng	1138 / 28	4.83
20	446 / 30.2	Mike Ross Inc.	1561 / 805	4.83
21	446 / 30.1	Sidney Horner	1138 / 28	4.83
22	446 / 31.2	Brycen M. Gibson	1526 / 679	11.91
23	446 / 31	Richard L. Hawkins, Jr.	1589 / 982	58.96
24	446 / 39.1	Charles & Frank Sutton	1401 / 913	47.40
25	466 / 5	Mary Reel	1244 / 948	75.48
26	466 / 4	Mary Reel	1244 / 948	10.70
27	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
28	466 / 3.1	Page D. Layfield	1123 / 491	0.37
29	466 / 3.2	Gregory A. Wilt	1081 / 112	0.61
30	466 / 3.4	Dominion Transmission, Inc.	A158 / 362	0.65
31	466 / 3.3	Dominion Transmission, Inc.	A158 / 362	0.76
32	2004 / 35	Helen Dawn Warner	W141 / 55	0.60
33	2004 / 46	Helen Dawn Warner	W141 / 55	0.61
34	2004 / 54	Stephen R. Riddle, Jr.	1540 / 231	0.37
35	2004 / 53	Stephen R. Riddle, Jr.	1540 / 231	0.25
36	2004 / 63	Katrina D. Ewing	1390 / 744	0.80
37	2004 / 57	Amber M. Butler	1505 / 196	0.29
38	2004 / 56	Ronald L. & Linda K. Brown	1364 / 462	0.34
39	2004 / 47	Helen Dawn Warner	W141 / 55	0.30
40	2004 / 37	Larry L. Jarrett, et al	1501 / 1343	0.64
41	2004 / 28	Dolores J. Balzano, et al	1584 / 540	0.19
42	2004 / 10	Trecla D. Hyde	1484 / 919	0.17
43	2004 / 16	Glenda Ericson, et al	1522 / 1072	0.77
44	2004 / 28	Dolores J. Balzano, et al	1584 / 540	1.08
45	2004 / 27	Dolores J. Balzano, et al	1584 / 540	0.16
46	2004 / 41	Kenneth D. & Debra D. Jarrett	1180 / 332	1 Lot
47	2004 / 40	Kenneth D. & Debra D. Jarrett	1180 / 332	0.30
48	2004 / 50	Beverly J. Coffindaffer	1447 / 84	0.26
49	2004 / 60	Jannie Lynn Wagoner	1432 / 1081	0.29
50	2004 / 70	Carl F. McHenry	1380 / 73	0.36
51	2004 / 69	Drema Wiley	1583 / 1302	0.36
52	2004 / 82	Sheila Virden	1563 / 702	0.62
53	2004 / 102	Deborah E. Snyder Jeffries	W183 / 1295	0.25
54	466 / 21	Dominion Transmission, Inc.	1367 / 359	2.43
55	2004 / 90	Deborah E. Riffe	W183 / 1295	0.35
56	2004 / 91	Deborah E. Snyder Jeffries	W183 / 1295	0.22
57	2004 / 92	Deborah E. Snyder Jeffries	W183 / 1295	0.21
58	2004 / 93	Deborah E. Snyder Jeffries	W183 / 1295	0.19
59	2004 / 83	Ralph E. Miller	1042 / 329	0.38
60	2004 / 71	Gary Batten	1396 / 332	0.09
61	2004 / 72	Gary Batten	1396 / 332	0.57
62	2004 / 61	Zachary & Katelyn Martin	1542 / 938	0.59
63	2004 / 42.1	Zachary & Katelyn Martin	1542 / 938	0.01
64	2004 / 42	Anthony D. Snider	1257 / 116	0.18
65	2004 / 43	Anthony D. Snider	1351 / 285	0.27
66	2004 / 43.1	Dolores J. Balzano, et al	1584 / 540	0.10
67	2004 / 7	c/o Assessors Office	---	1.42
68	2004 / 30	James W. Mitchell	1394 / 411	0.64
69	2004 / 45	John D. & Marlene Bennett	888 / 483	0.53
70	2004 / 44	McWhorter M.E. Church	287 / 63	1.99



Harrison Co. - Union-Outside Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
71	2004 / 51	William W. Wright	1013 / 518	0.50
72	2004 / 52	William W. Wright	1013 / 518	0.36
73	2004 / 62.1	William W. Wright	W192 / 536	0.02
74	2004 / 62	William W. Wright	W192 / 536	1.05
75	2004 / 73	Jack & Debra J. Miller	1343 / 1222	0.50
76	2004 / 86	Ralph E. Miller	1042 / 329	0.38
77	2004 / 84	Ralph E. Miller	1042 / 329	0.38
78	2004 / 94	Van J. Groves, II	1429 / 632	0.46
79	2004 / 96	Van J. Groves, II	1429 / 632	0.01
80	2004 / 95	Jonathon R. Shafferman	1587 / 1238	0.02
81	466 / 24	Michael Davisson	1264 / 975	0.66
82	466 / 23	Michael Davisson	1301 / 1009	0.34
83	2004 / 97	Carol L. & Brian J. May	1338 / 190	0.39
84	2004 / 98	Lonnie F. Lamb	1581 / 800	0.20
85	2004 / 99	c/o Assessors Office	---	1 Lot
86	2004 / 87	Jonathon R. Shafferman	1587 / 1238	0.22
87	2004 / 86	Jonathon R. Shafferman	1587 / 1238	0.20
88	2004 / 74	Judith Ann Roberts	W191 / 744	0.22
89	2004 / 76	Christine M. Lynch	F111 / 194	0.50
90	2004 / 77	William W. Wright	W192 / 536	0.25
91	2004 / 78	William W. Wright	W192 / 536	0.12
92	2004 / 80	c/o Assessors Office	---	1 Lot
93	2004 / 79	William W. Wright	W192 / 536	0.19
94	2004 / 81	Barbara & David Miller	1474 / 1187	0.50
95	2004 / 88	Amanda & Roxanne Webb	1408 / 948	1.12
96	2004 / 100	Barbara E. Rowan	1265 / 1017	0.41
97	2004 / 100.1	Doran & Roxanne Webb	1316 / 1292	0.79
98	466 / 28	Michael G. & Tina G. Davisson	1301 / 1009	1.00
99	466 / 27	Mary Richards	W118 / 804	3.25
100	466 / 31	Frank N. Wine, Jr. & III	1596 / 809	16.14
101	466 / 29	Michael G. & Tina G. Davisson	1301 / 1009	0.48
102	466 / 52	Frank N. Wine, Jr. & III	1596 / 809	46.40
103	466 / 25	Deena Hyde	1350 / 453	1.50
104	466 / 26	Mike Ross Inc. and Waco Oil & Gas	1350 / 1019	1.50
105	466 / 43	Jordan's Land & Rentals, LLC	1586 / 590	0.25
106	466 / 46	Van & Karen S. Groves	1237 / 955	0.66
107	466 / 45	Van & Karen S. Groves	1237 / 955	0.50
108	466 / 48	Chad E. & Jennifer Metz	1334 / 744	0.05
109	466 / 47	Chad E. & Jennifer Metz	1334 / 744	0.50
110	466 / 49	James & Lisa D. Himes	1278 / 346	3.63
111	466 / 51	Ronald Coffindaffer	1535 / 112	3.86
112	466 / 50	Ronald Coffindaffer	1535 / 112	1.09
113	466 / 63	Ronald D. Coffindaffer, II, et al	1511 / 1100	2.20
114	466 / 66	Robert & Kristi Richards	1326 / 1237	4.98
115	466 / 62	Michael & Joann Bowman	1133 / 738	1.02
116	466 / 61	Theodore J. Perine	1211 / 990	1.51
117	466 / 60	Frank N. Wine, Jr. & III	1596 / 809	42.04
Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
118	9C / 32.1	Leonard D. Drake, et ux	384 / 291	2.38
119	9C / 32.2	Michael Lowell Roberts, Jr.	529 / 319	2.54
120	9C / 38	Leonard D. Drake	480 / 264	106.15
121	9C / 27	S. Thomas & Esther M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18
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DATE: April 7 20 21
 OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
 47 - 033 - 05977
 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
 SURFACE OWNER: Hubert E. & Sandra K. Neel
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PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,216' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,148' 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

7,787' to Top Hole

519' to Bottom Hole

TOP LATITUDE 39 - 10 - 00
BTM LATITUDE 39 - 07 - 30

LONGITUDE 80 - 22 - 30

Bottom Hole 7.5' Spot

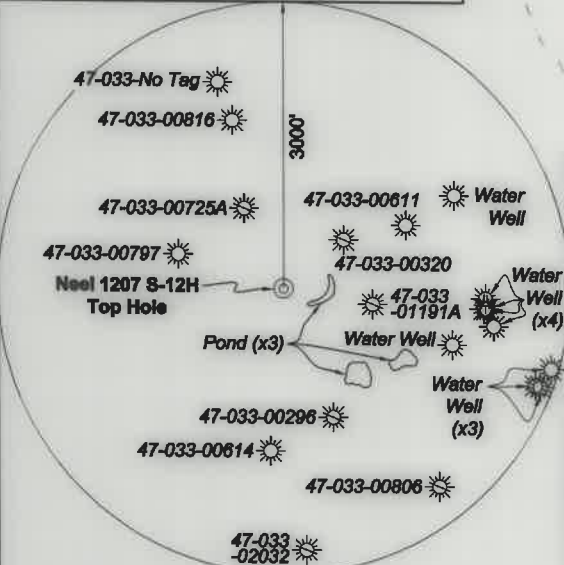
3,956' to Bottom Hole

5,579' to Top Hole

Notes:
Well No. Neel 1207 S-12H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,319.84'
E: 1,809,863.30'
Landing Point Coordinates
N: 14,219,105.32'
E: 1,811,895.13'
Bottom Hole Coordinates
N: 14,204,820.11'
E: 1,817,227.87'

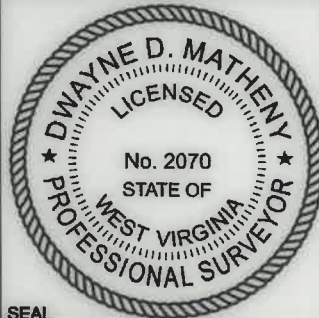


Notes: Well No. Neel 1207 S-12H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°09'04.86" Latitude: 39°06'50.89"
Longitude: 80°24'08.88" Longitude: 80°22'36.58"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,333,752.555m N: 4,329,637.829m
E: 551,847.437m E: 553,891.248m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.



Note: 1 water well and 3 ponds 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 825' of the center of the well pad.

Tag	Bearing	Dist.	Description
L1	S 04°03' E	1,491.3'	2" Pipe
L2	S 15°30' W	1,570.9'	2" Pipe
L3	S 74°57' W	2,114.5'	Iron pin w/ cap
L4	N 72°49' W	949.0'	3/4" Rebar



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

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H ADWP
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

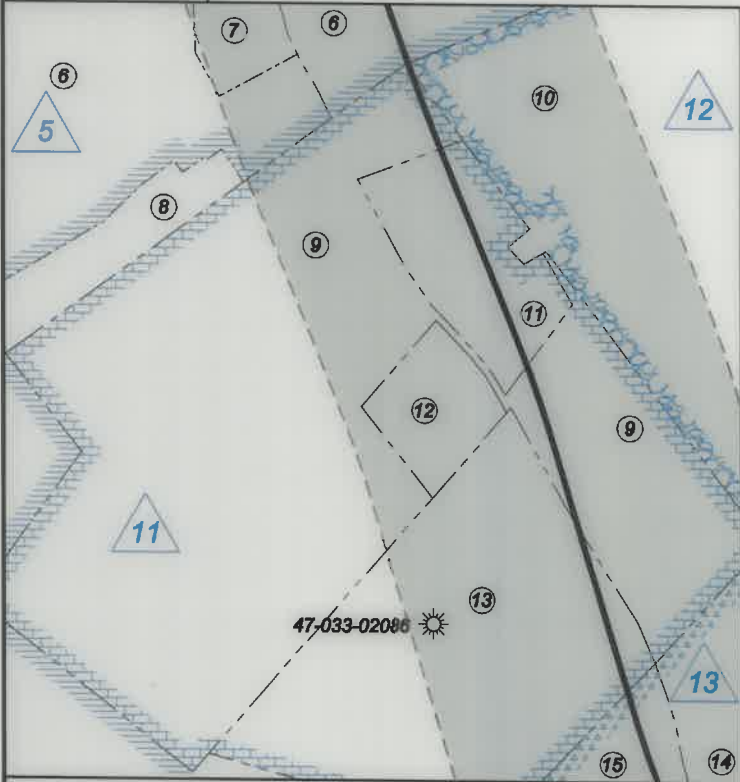
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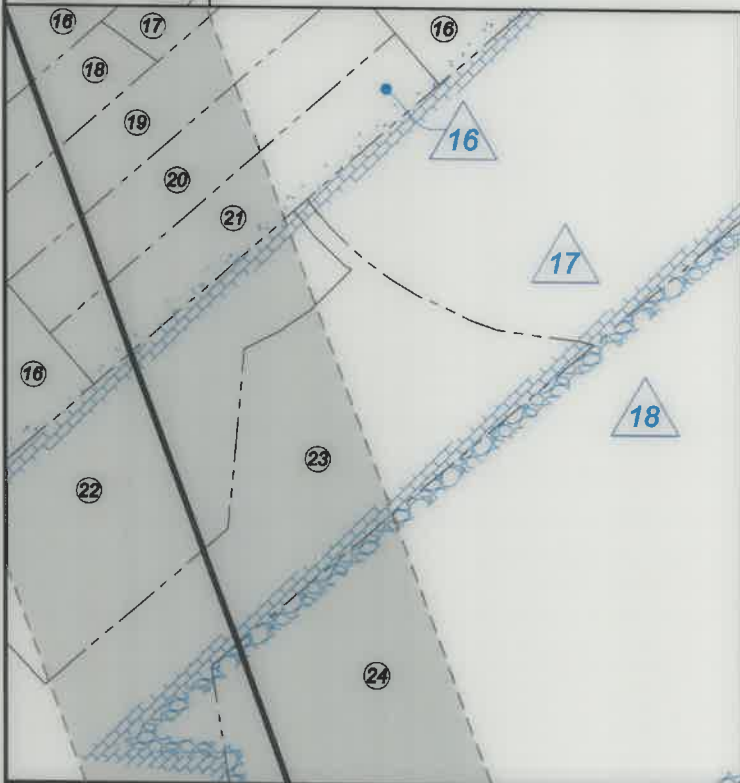
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



Detail 1 - 1" = 500'



Detail 2 - 1" = 500'



ID	Lease
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5	United National Bank Trustee of Gore Morris
11	William L. Homer, et al
12	C.E. Hickman, et al
13	Thomas R. Homer, et al
16	Robert F. Martin, et al
17	Robert F. Martin, et al
18	Ethel J. Ward, et al
21	Nathan McWhorter, et al
28.0	Dominion Energy Transmission, Inc., et al
28.1	Michael G. Davison, et al
28.2	Carol L. & Brian J. May
28.3	Jack K. & Debra J. Miller
28.7	Wanda Loretta Murphy, et al
28.38	Trustees of WV Wesleyan College, et al
28.43	Jonathan R. Schafferman & Andrea M. Reed
28.44	Lonnie F. Lamb
28.45	Jonathan R. Schafferman & Andrea M. Reed
28.46	John C. Forquer, Jr., et ux
28.47	Beverly J. Coffindaffer, et al
28.50	Tim Eagle, et al
28.51	Gary Batten
28.53	Dominion Energy Transmission, Inc., et al
28.56	Josh Nay, et al
28.62	Barbara Jean Maidens, et al
28.63	Jannie L. Wagoner Forquer, et al
28.64	Sandra K. Swiger Taylor, et al
28.67	Willard A. Lyall, et al
28.68	Tina G. Davison, et al
31	Frank N. Wine, Jr., et al
40.1	Charles Anthony Coffindaffer, et al
40.3	Charles Anthony Coffindaffer, et al
41.1	Myrtle Edmonds, et al
47.1	James L. & Lesa D. Hines
47.7	Theodore J. Perine
47.8	Michael R. & JoAnn Bowman

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.)
	County Line
	Railroad
	Interstate
	County Routes

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H ADWP
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 7 20 21
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
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

Top: West Milford
QUADRANGLE: Btm: Weston

SURFACE OWNER: Hubert E. & Sandra K. Neel

COUNTY: Harrison
ACREAGE: 09/16/2022

ROYALTY OWNER: Dora B. McWhorter, et al, 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)

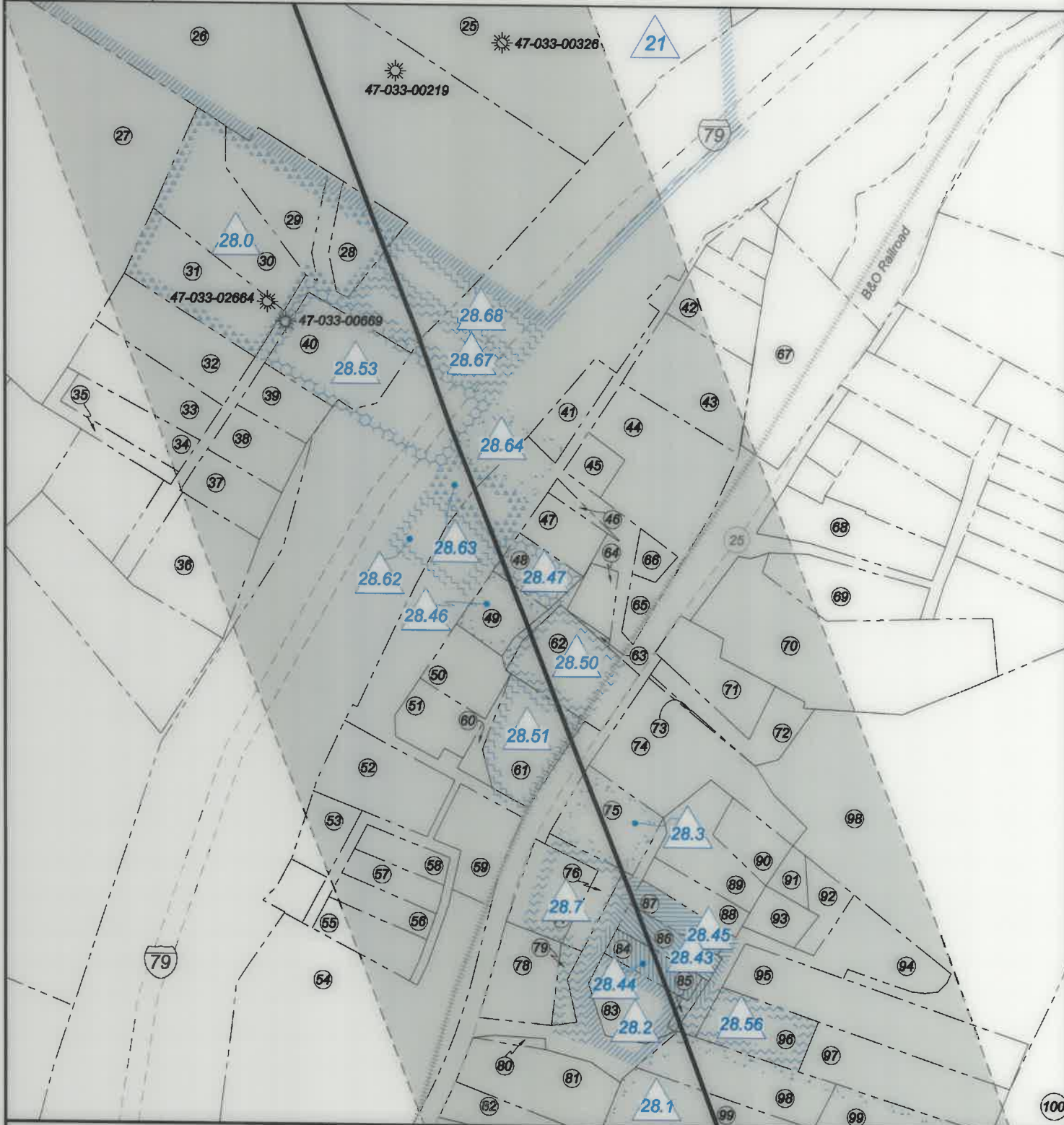
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,216' TVD
23,148' MD

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



Detail 3 - 1" = 250'



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H ADWP
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 7 20 21
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
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

QUADRANGLE: Top: West Milford
Btm: Weston
COUNTY: Harrison
ACREAGE: 89.07

SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, 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) _____

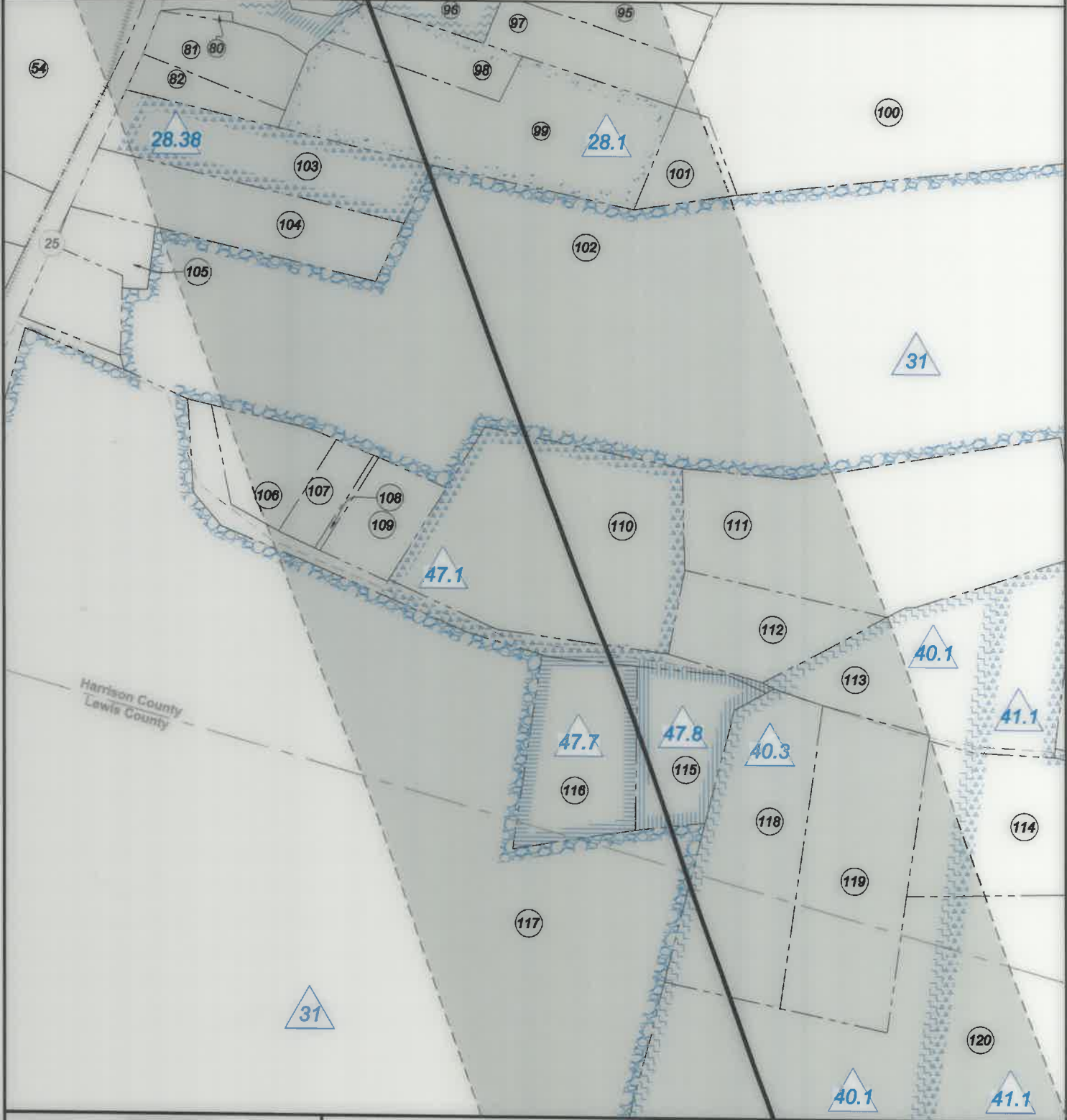
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,216' TVD
23,148' MD

WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5280 Dupont Road
Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White
ADDRESS: 5280 Dupont Road
Parkersburg, WV 26101



Detail 4 - 1" = 250'



FILE NO: 296-36-G-18
 DRAWING NO: Neel 1207 S-12H ADWP
 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 7 2021
 OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
 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

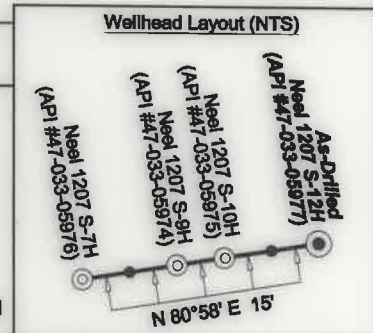
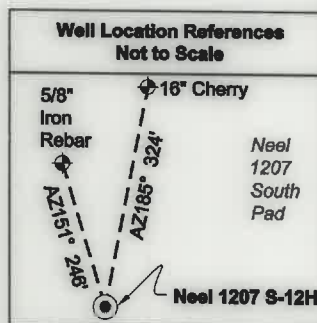
QUADRANGLE: Top: West Milford
Btm: Weston
 COUNTY: Harrison
 ACREAGE: 69.07

SURFACE OWNER: Hubert E. & Sandra K. Neel
 ROYALTY OWNER: Dora B. McWhorter, et al, 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) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,148' MD 7,218' TVD

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



Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	Hubert E. & Sandra K. Neel	1541 / 1153	89.07
2	425 / 30.1	James W. & Susan A. Freeman	1139 / 386	30.00
3	445 / 7	Anthony D. Snider	1350 / 818	8.00
4	445 / 5.1	David W. Lohr	1531 / 421	3.38
5	426 / 71	Antonio P., LLC	1503 / 291	233.35
6	445 / 13.1	Martha E. Lambert	-- / --	26.77
7	445 / 13.2	Diana & James W. Lambert	1598 / 1239	4.54
8	445 / 14	Martha E. Lambert	1276 / 582	2.61
9	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
10	446 / 16	Antonio P., LLC & Mike Ross, Inc.	-- / --	68.85
11	445 / 15.2	Benjamin & Andrea Hall	1475 / 573	4.03
12	445 / 15.3	Maureen & Ferguson Calder	1502 / 722	2.08
13	445 / 15	Margaret S. Fisher	1276 / 576	49.69
14	446 / 17	Judith H. & David J. Savage	1161 / 11	24.92
15	445 / 29	Judith H. & David J. Savage	1161 / 11	5.00
16	446 / 30	Charles R. Sutton	1535 / 207	29.00
17	446 / 30.4	Brian Reed	1428 / 1334	2.18
18	446 / 30.5	Joseph & Stephanie Richards	1588 / 679	2.66
19	446 / 30.3	Sylvia Homer Kreng	1138 / 28	4.83
20	446 / 30.2	Mike Ross Inc.	1581 / 805	4.83
21	448 / 30.1	Sidney Homer	1138 / 28	4.83
22	446 / 31.2	Brycen M. Gibson	1526 / 679	11.91
23	446 / 31	Richard L. Hawkins, Jr.	1569 / 982	58.96
24	446 / 39.1	Charles & Frank Sutton	1401 / 913	47.40
25	466 / 5	Mary Reel	1244 / 948	75.48
26	466 / 4	Mary Reel	1244 / 948	10.70
27	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
28	466 / 3.1	Page D. Layfield	1123 / 491	0.37
29	466 / 3.2	Gregory A. Wilt	1081 / 112	0.61
30	466 / 3.4	Dominion Transmission, Inc.	A158 / 362	0.65
31	466 / 3.3	Dominion Transmission, Inc.	A158 / 362	0.76
32	2004 / 35	Helen Dawn Warner	W141 / 55	0.60
33	2004 / 46	Helen Dawn Warner	W141 / 55	0.61
34	2004 / 54	Stephen R. Riddle, Jr.	1540 / 231	0.37
35	2004 / 53	Stephen R. Riddle, Jr.	1540 / 231	0.25
36	2004 / 63	Katrina D. Ewing	1390 / 744	0.80
37	2004 / 57	Amber M. Butler	1505 / 196	0.29
38	2004 / 56	Ronald L. & Linda K. Brown	1364 / 462	0.34
39	2004 / 47	Helen Dawn Warner	W141 / 55	0.30
40	2004 / 37	Larry L. Jarrett, et al	1501 / 1343	0.64
41	2004 / 26	Dolores J. Balzano, et al	1584 / 540	0.19
42	2004 / 10	Treacia D. Hyde	1484 / 919	0.17
43	2004 / 16	Glenda Ericson, et al	1522 / 1072	0.77
44	2004 / 28	Dolores J. Balzano, et al	1584 / 540	1.08
45	2004 / 27	Dolores J. Balzano, et al	1584 / 540	0.16
46	2004 / 41	Kenneth D. & Debra D. Jarrett	1180 / 332	1 Lot
47	2004 / 40	Kenneth D. & Debra D. Jarrett	1180 / 332	0.30
48	2004 / 50	Beverly J. Coffindaffer	1447 / 84	0.26
49	2004 / 60	Jannie Lynn Wagoner	1432 / 1081	0.29
50	2004 / 70	Carl F. McHenry	1380 / 73	0.36
51	2004 / 69	Drema Wiley	1583 / 1302	0.36
52	2004 / 82	Sheila Virden	1563 / 702	0.62
53	2004 / 102	Deborah E. Snyder Jeffries	W183 / 1295	0.25
54	466 / 21	Dominion Transmission, Inc.	1367 / 359	2.43
55	2004 / 90	Deborah E. Riffle	W183 / 1295	0.35
56	2004 / 91	Deborah E. Snyder Jeffries	W183 / 1295	0.22
57	2004 / 92	Deborah E. Snyder Jeffries	W183 / 1295	0.21
58	2004 / 93	Deborah E. Snyder Jeffries	W183 / 1295	0.19
59	2004 / 83	Ralph E. Miller	1042 / 329	0.38
60	2004 / 71	Gary Batten	1396 / 332	0.09
61	2004 / 72	Gary Batten	1396 / 332	0.57
62	2004 / 61	Zachary & Katelyn Martin	1542 / 938	0.59
63	2004 / 42.1	Zachary & Katelyn Martin	1542 / 938	0.01
64	2004 / 42	Anthony D. Snider	1257 / 116	0.18
65	2004 / 43	Anthony D. Snider	1351 / 285	0.27
66	2004 / 43.1	Dolores J. Balzano, et al	1584 / 540	0.10
67	2004 / 7	c/o Assessors Office	-- / --	1.42
68	2004 / 30	James W. Mitchell	1394 / 411	0.64
69	2004 / 45	John D. & Marlene Bennett	888 / 483	0.53
70	2004 / 44	McWhorter M.E. Church	287 / 63	1.99



Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
71	2004 / 51	William W. Wright	1013 / 518	0.50
72	2004 / 52	William W. Wright	1013 / 518	0.36
73	2004 / 62.1	William W. Wright	W192 / 536	0.02
74	2004 / 62	William W. Wright	W192 / 536	1.05
75	2004 / 73	Jack & Debra J. Miller	1343 / 1222	0.50
76	2004 / 86	Ralph E. Miller	1042 / 329	0.38
77	2004 / 84	Ralph E. Miller	1042 / 329	0.38
78	2004 / 94	Van J. Groves, II	1429 / 632	0.46
79	2004 / 96	Van J. Groves, II	1429 / 632	0.01
80	2004 / 95	Jonathon R. Shafferman	1567 / 1238	0.02
81	466 / 24	Michael Davisson	1264 / 975	0.66
82	466 / 23	Michael Davisson	1301 / 1009	0.34
83	2004 / 97	Carol L. & Brian J. May	1338 / 190	0.39
84	2004 / 98	Lonnie F. Lamb	1581 / 800	0.20
85	2004 / 99	c/o Assessors Office	-- / --	1 Lot
86	2004 / 87	Jonathon R. Shafferman	1567 / 1238	0.22
87	2004 / 86	Jonathon R. Shafferman	1567 / 1238	0.20
88	2004 / 74	Judith Ann Roberts	W191 / 744	0.22
89	2004 / 76	Christine M. Lynch	F111 / 194	0.50
90	2004 / 77	William W. Wright	W192 / 536	0.25
91	2004 / 78	William W. Wright	W192 / 536	0.12
92	2004 / 80	c/o Assessors Office	-- / --	1 Lot
93	2004 / 79	William W. Wright	W192 / 536	0.19
94	2004 / 81	Barbara & David Miller	1474 / 1187	0.50
95	2004 / 88	Amanda & Rexanne Webb	1408 / 948	1.12
96	2004 / 100	Barbara E. Rowan	1265 / 1017	0.41
97	2004 / 100.1	Doran & Rexanne Webb	1316 / 1292	0.79
98	466 / 28	Michael G. & Tina G. Davisson	1301 / 1009	1.00
99	466 / 27	Mary Richards	W118 / 904	3.25
100	466 / 31	Frank N. Wine, Jr. & III	1596 / 809	16.14
101	466 / 29	Michael G. & Tina G. Davisson	1301 / 1009	0.46
102	466 / 52	Frank N. Wine, Jr. & III	1596 / 809	46.40
103	466 / 25	Deena Hyde	1350 / 453	1.50
104	466 / 26	Mike Ross Inc. and Waco Oil & Gas	1350 / 1019	1.50
105	466 / 43	Jordan's Land & Rentals, LLC	1586 / 590	0.25
106	466 / 46	Van & Karen S. Groves	1237 / 955	0.66
107	466 / 45	Van & Karen S. Groves	1237 / 955	0.50
108	466 / 48	Chad E. & Jennifer Metz	1334 / 744	0.05
109	466 / 47	Chad E. & Jennifer Metz	1334 / 744	0.50
110	466 / 49	James & Lisa D. Himes	1278 / 346	3.63
111	466 / 51	Ronald Coffindaffer	1535 / 112	3.86
112	466 / 50	Ronald Coffindaffer	1535 / 112	1.09
113	466 / 63	Ronald D. Coffindaffer, II, et al	1511 / 1100	2.20
114	466 / 66	Robert & Kristi Richards	1326 / 1237	4.98
115	466 / 62	Michael & Joann Bowman	1133 / 738	1.02
116	466 / 61	Theodore J. Perine	1211 / 990	1.51
117	466 / 60	Frank N. Wine, Jr. & III	1596 / 809	42.04
Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
118	9C / 32.1	Leonard D. Drake, et ux	384 / 291	2.38
119	9C / 32.2	Michael Lowell Roberts, Jr.	529 / 319	2.54
120	9C / 38	Leonard D. Drake	480 / 264	106.15
121	9C / 27	S. Thomas & Esther M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H ADWP
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 7 20 21
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
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

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SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, et al

COUNTY: Harrison
ACREAGE: 89.07

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: 7,216' TVD 23,148' 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

09/16/2022