

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

API 47 - 033 - 05974 County Harrison District Grant Union
Quad West Milford Pad Name Neel 1207 Field/Pool Name Lost Creek
Farm name Neel Well Number 1206 S9H
Operator (as registered with the OOG) HG Energy 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 4333750.403 Easting 551633.892
Landing Point of Curve Northing 4333689.810 Easting 551416.443
Bottom Hole Northing 4329606.315 Easting 562918.108

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 12/19/2019 Date drilling ceased 01/22/2020
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 - 05974 Farm name Neel Well number 1207 S9H

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"	1102	New	94 lbs/ft J-55		No
Coal							
Intermediate 1	17.5"	13.375"	2189	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	3011	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	21581	New	23 lbs/ft P-11		Yes
Tubing					6.5 lbs/ft J55		
Packer type and depth set							

Comment Details Surface cement job: grout 20" with BJ services, 650 sacks class A w/ 3% calcium @ 15.6 ppg 139 bbls slurry, got 20 bbls good cement to surface

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		Drilled in					
Surface	Class A	2047	15.6	1.18	2415	Surface	8
Coal							
Intermediate 1	Class A	1685/578	16.0/16.4	1.16/1.12	1955/647	Surface	24
Intermediate 2	Class A	946	15.6	1.19	1126	Surface	8
Intermediate 3							
Production	Class A	793/3219	13.5/14.8	1.87/1.35	1483/4345	Surface	8
Tubing							

Drillers TD (ft) ²¹⁶⁶⁹ _____ Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁶⁷¹⁷ _____

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 - 05974 Farm name Neel Well number 1207 S9H

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 (bbls)	Amount of Nitrogen/other (units)
			See Attached					

Please insert additional pages as applicable.

API 47- 033 - 05974 Farm name Neel Well number 1207 S9H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	7136-7220	TVD 7382-21669 MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,447 psi Bottom Hole _____ psi DURATION OF TEST 597 hrs

OPEN FLOW Gas 31,940 mcfpd Oil _____ bpd NGL _____ bpd Water 2,112 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	0		0		
					** 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 11/21/2021

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

HG Energy II Appalachia, LLC

Neel 1207 S-9H

Perforation Record

Stage #	Perf Date	Perf from depth	Perf to depth	Number of perfs	Formation
Sleeve	3/3/2021	21553	21526	N/A	Marcellus
2	3/3/2021	21,492	21,324	28	Marcellus
3	3/4/2021	21,296	21,128	28	Marcellus
4	3/4/2021	21,100	20,932	28	Marcellus
5	3/4/2021	20,904	20,736	28	Marcellus
6	3/4/2021	20,708	20,540	28	Marcellus
7	3/5/2021	20,512	20,344	28	Marcellus
8	3/5/2021	20,316	20,148	28	Marcellus
9	3/5/2021	20,120	19,952	28	Marcellus
10	3/5/2021	19,924	19,756	28	Marcellus
11	3/6/2021	19,728	19,560	28	Marcellus
12	3/6/2021	19,532	19,364	28	Marcellus
13	3/30/2021	19,336	19,168	28	Marcellus
14	3/30/2021	19,140	18,972	28	Marcellus
15	3/31/2021	18,944	18,776	28	Marcellus
16	3/31/2021	18,748	18,580	28	Marcellus
17	4/1/2021	18,552	18,384	28	Marcellus
18	4/1/2021	18,356	18,188	28	Marcellus
19	4/1/2021	18,160	17,992	28	Marcellus
20	4/2/2021	17,964	17,796	28	Marcellus
21	4/2/2021	17,768	17,600	28	Marcellus
22	4/2/2021	17,572	17,404	28	Marcellus
23	4/3/2021	17,376	17,208	28	Marcellus
24	4/3/2021	17,180	17,012	28	Marcellus
25	4/3/2021	16,984	16,816	28	Marcellus
26	4/3/2021	16,788	16,620	28	Marcellus
27	4/4/2021	16,592	16,424	28	Marcellus
28	4/4/2021	16,396	16,228	28	Marcellus
29	4/4/2021	16,200	16,032	28	Marcellus
30	4/5/2021	16,004	15,836	28	Marcellus
31	4/5/2021	15,808	15,640	28	Marcellus
32	4/5/2021	15,612	15,444	28	Marcellus
33	4/6/2021	15,416	15,248	28	Marcellus
34	4/6/2021	15,220	15,052	28	Marcellus
35	4/7/2021	15,024	14,856	28	Marcellus
36	4/7/2021	14,828	14,660	28	Marcellus
37	4/7/2021	14,632	14,464	28	Marcellus
38	4/8/2021	14,436	14,268	28	Marcellus
39	4/8/2021	14,240	14,072	28	Marcellus
40	4/8/2021	14,044	13,876	28	Marcellus
41	4/9/2021	13,848	13,680	28	Marcellus
42	4/9/2021	13,652	13,484	28	Marcellus
43	4/9/2021	13,456	13,288	28	Marcellus
44	4/10/2021	13,260	13,092	28	Marcellus
45	4/10/2021	13,064	12,896	28	Marcellus
46	4/10/2021	12,868	12,700	28	Marcellus
47	4/10/2021	12,672	12,504	28	Marcellus
48	4/11/2021	12,476	12,308	28	Marcellus
49	4/11/2021	12,280	12,112	28	Marcellus
50	4/11/2021	12,084	11,916	28	Marcellus
51	4/11/2021	11,888	11,720	28	Marcellus
52	4/12/2021	11,692	11,524	28	Marcellus
53	4/12/2021	11,496	11,328	28	Marcellus
54	4/12/2021	11,300	11,132	28	Marcellus
55	4/12/2021	11,104	10,936	28	Marcellus
56	4/13/2021	10,908	10,740	28	Marcellus
57	4/13/2021	10,712	10,544	28	Marcellus
58	4/13/2021	10,516	10,348	28	Marcellus

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59	4/13/2021	10,320	10,152	28	Marcellus
60	4/13/2021	10,124	9,956	28	Marcellus
61	4/14/2021	9,928	9,760	28	Marcellus
62	4/14/2021	9,732	9,564	28	Marcellus
63	4/14/2021	9,536	9,368	28	Marcellus
64	4/14/2021	9,340	9,172	28	Marcellus
65	4/14/2021	9144	8976	28	Marcellus
66	4/15/2021	8948	8780	28	Marcellus
67	4/15/2021	8752	8584	28	Marcellus
68	4/15/2021	8556	8388	28	Marcellus
69	4/15/2021	8360	8192	28	Marcellus
70	4/15/2021	8164	7996	28	Marcellus
71	4/16/2021	7968	7800	28	Marcellus
72	4/16/2021	7772	7604	28	Marcellus
73	4/16/2021	7576	7408	28	Marcellus

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**HG Energy II
Neel 1207 S-9H
Stimulation Record**

Stage #	Perf Date	Ave pump rate (BPM)	Ave Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve	3/3/2021	67.0	10032	N/A	4432	272997	7633
2	3/3/2021	76.2	10,216	6,533	5,810	702,400	14,780
3	3/4/2021	85.0	10,025	6,987	5,940	704,050	14,261
4	3/4/2021	87.2	9,911	7,784	5,840	705,300	13,519
5	3/4/2021	82.3	10,245	7,454	5,860	702,700	13,293
6	3/4/2021	85.0	9,963	7,692	6,033	702,160	12,470
7	3/5/2021	85.0	10,090	7,140	5,573	701,900	12,491
8	3/5/2021	85.8	10,230	7,118	6,230	705,700	11,620
9	3/5/2021	86.2	10,081	7,640	5,885	706,900	11,376
10	3/5/2021	85.0	10,121	6,561	5,960	704,095	11,225
11	3/6/2021	85.0	10,119	6,650	5,309	706,635	10,235
12	3/6/2021	82.0	9,770	7,088	4,895	704,820	9,861
13	3/30/2021	94.0	9,837	7,490	5,171	707,320	9,920
14	3/30/2021	92.3	9,895	6,855	5,700	543,270	8,811
15	3/31/2021	93.0	9,953	6,486	5,050	705,468	11,362
16	3/31/2021	92.1	10,038	6,674	5,640	706,250	9,898
17	4/1/2021	93.0	9,783	6,535	5,268	705,850	10,035
18	4/1/2021	96.0	10,187	6,517	5,626	705,767	9,992
19	4/1/2021	95.4	10,323	6,792	5,380	705,550	10,038
20	4/2/2021	96.5	10,245	6,061	6,160	706,400	10,044
21	4/2/2021	100.0	10,175	6,151	5,342	705,094	9,971
22	4/2/2021	99.0	10,123	6,668	5,234	705,922	9,974
23	4/3/2021	99.7	10,165	5,809	5,680	705,780	9,956
24	4/3/2021	100.0	10,329	6,607	5,829	668,080	9,649
25	4/3/2021	96.0	10,106	6,605	5,690	705,029	9,835
26	4/3/2021	99.8	10,327	6,128	5,420	706,260	9,846
27	4/4/2021	97.0	10,098	6,486	5,396	705,323	10,042
28	4/4/2021	88.3	10,254	6,500	4,933	684,730	11,163
29	4/4/2021	105.2	10,080	6,242	5,250	706,080	9,849
30	4/5/2021	105.0	10,108	6,370	5,520	706,200	9,938
31	4/5/2021	105.0	10,279	6,641	5,487	704,537	9,712
32	4/5/2021	101.0	10,168	6,815	5,140	706,320	9,842
33	4/6/2021	102.0	10,114	6,729	4,892	706,197	9,781
34	4/6/2021	105.0	10,015	6,082	5,191	708,660	9,805
35	4/7/2021	103.0	10,187	6,255	5,408	705,700	9,853
36	4/7/2021	102.4	9,813	6,677	4,786	705,120	9,807
37	4/7/2021	105.0	9,964	5,945	5,416	679,810	9,500
38	4/8/2021	100.0	10,142	6,510	5,290	680,531	9,589
39	4/8/2021	104.5	9,971	6,756	5,738	680,060	9,617
40	4/8/2021	103.0	9,972	6,142	5,612	682,480	10,299
41	4/9/2021	105.0	9,857	6,114	5,132	680,069	9,522
42	4/9/2021	106.0	9,649	6,375	5,030	679,833	9,440
43	4/9/2021	105.7	9,616	6,625	4,520	680,220	10,445
44	4/10/2021	103.0	9,351	6,555	5,027	680,340	10,130
45	4/10/2021	107.0	9,602	6,085	5,253	680,819	9,470
46	4/10/2021	108.0	9,370	5,647	4,524	680,860	9,504
47	4/10/2021	100.2	9,465	6,626	4,968	681,000	10,705
48	4/11/2021	105.0	9,164	6,392	4,882	683,360	10,446
49	4/11/2021	103.0	9,901	6,281	4,798	680,176	10,220
50	4/11/2021	106.0	8,902	5,887	5,104	679,711	10,100
51	4/11/2021	104.5	8,954	6,535	4,201	679,570	10,391
52	4/12/2021	108.0	8,561	5,926	4,798	681,890	9,566
53	4/12/2021	104.0	9,702	6,275	4,644	680,093	9,483
54	4/12/2021	108	8,993	6,388	4,706	681,878	9,583
55	4/12/2021	107.5	8,976	6,398	5,552	681,830	9,497
56	4/13/2021	104.1	9,357	6,214	5,094	679,380	9,506
57	4/13/2021	108	9,486	6,726	4,635	680,409	9,518
58	4/13/2021	106	9,212	6,944	4,914	680,477	9,263
59	4/13/2021	110	8,905	6,007	4,673	680,516	9,486
60	4/13/2021	106.9	9,025	6,303	4,548	680,500	9,328
61	4/14/2021	104.9	9,025	6,475	4,999	682,950	9,505
62	4/14/2021	108	8,858	6,470	5,530	680,560	9,573
63	4/14/2021	106	9,168	6,167	4,360	680,620	10,050
64	4/14/2021	104.9	9,461	6,774	4,760	679,900	9,455
65	4/14/2021	107.3	8,511	6,434	5,345	682,230	9,409
66	4/15/2021	108.1	8,703	6,007	4,727	679,920	9,527
67	4/15/2021	110	8,386	5,770	5,289	681,800	9,518
68	4/15/2021	109	8,196	5,798	5,270	680,510	9,415
69	4/15/2021	107.9	8,241	5,893	5,540	680,660	9,292
70	4/15/2021	109.2	8,575	6,049	4,392	680,970	9,306
71	4/16/2021	105	8,104	6,216	5,383	680,640	10,276
72	4/16/2021	107	8,303	7,272	4,860	682,600	9,461
73	4/16/2021	108.9	8,091	7,459	4,990	680,980	8,871

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Fracture Seal / Date/Time
Fracture Seal Volume
State
County
API Number
Operator Number
Well Name
Field Name
Tribal Well
Longitude
Latitude
True Vertical Depth (TVD)
Total Clean Fluid Volume (1991)

Ingress Section:

Trade Name	Supplier
Water	HG Energy
Sand (100 Mesh Proppant)	US Silica
Sand (40/70 Proppant)	US Silica
Hydrochloric Acid (28%)	Dover
NEEC-180	Dover

HG Energy II Appalachia, LLC
Neel 1207 S-9H
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		1102		
3rd Salt Sand	1202	1202	1256	1256
Lower Maxto	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	2280	2279
Gordon/Forth	2279	2279	2467	2466
5th Sand	2526	2526	2539	2538
Bayard	2593	2592	2603	2602
Warren	2893	2892	2934	2932
9-5/8' Casing		3011		
Speechley	3202	3202	3219	3219
Balltown	3431	3431	3438	3438
Benson	4560	4545	4570	4555
Rhinstreet	5904	5830	6618	6512
Cashaqua	6618	6512	6864	6745
Middlesex	6864	6745	6967	6835
West River	6967	6835	7096	6943
Burket	7096	6943	7143	6980
Tully	7143	6980	7282	7078
Hamilton	7282	7078	7382	7136
Marcellus	7382	7136	21669	7220

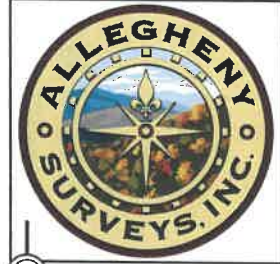
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HG Energy II Appalachia, LLC
Well No. Neel 1207 S-9H
As-Drilled
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7,831' to Top Hole

3,712' to Bottom Hole

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



LONGITUDE 80 - 22 - 30

4,038' to Bottom Hole

5,584' to Top Hole

Notes:
 Well No. Neel 1207 S-9H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,218,312.78'
 E: 1,809,818.86'
 Landing Point Coordinates
 N: 14,218,099.54'
 E: 1,809,103.61'
 Bottom Hole Coordinates
 N: 14,204,716.72'
 E: 1,814,032.16'

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.)

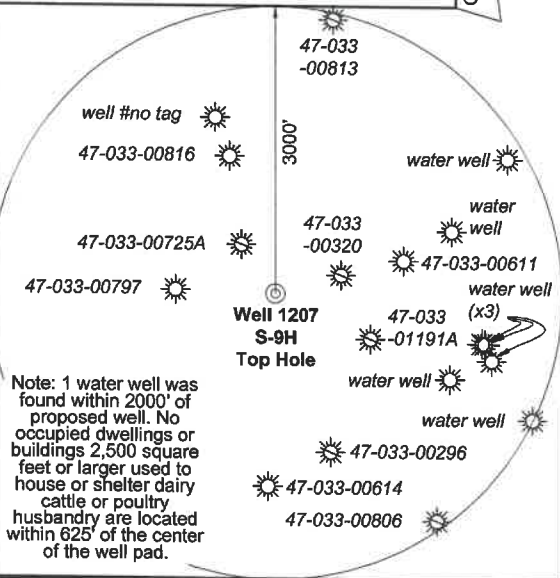
Notes: Well No. Neel 1207 S-9H
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°09'04.79" Latitude: 39°06'50.08"
 Longitude: 80°24'09.44" Longitude: 80°23'17.11"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,333,750.403m N: 4,329,606.315m
 E: 551,633.892m E: 552,918.108m
 Plat orientation and corner and well references are
 based upon the grid north meridian. Well location
 references are based upon the magnetic meridian.

GRID NORTH



SEAL
 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



Tag	Bearing	Dist.
L1	S 02°20' E	1,495.9'
L2	S 16°59' W	1,590.1'
L3	S 75°04' W	2,159.2'
L4	N 73°58' W	989.6'

FILE NO: 296-36-G-18
 DRAWING NO: Neel 1207 S-9H 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 7 2021
 OPERATOR'S WELL NO. Neel 1207 S-9H
 API WELL NO
 47 - 033 - 05974
 STATE COUNTY PERMIT

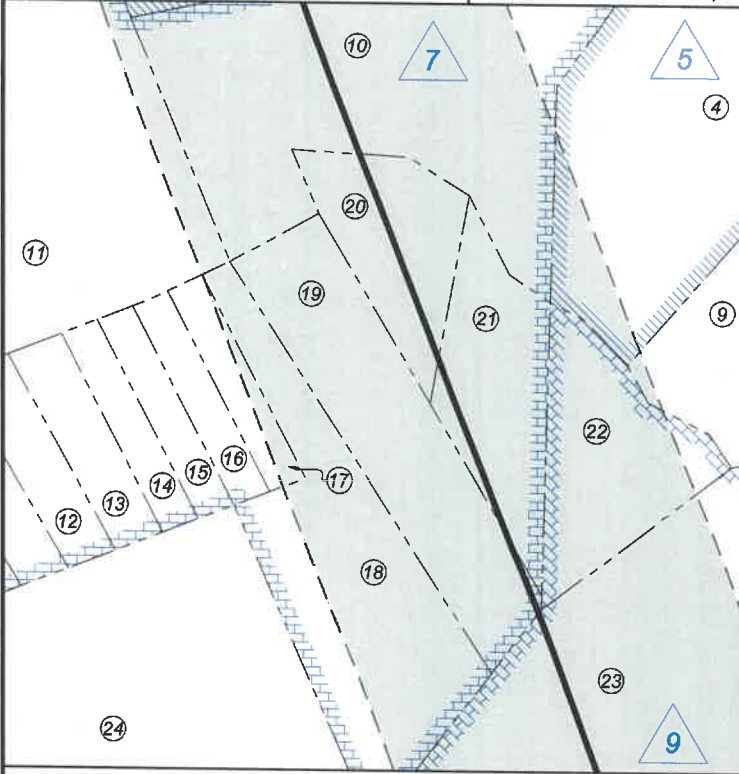
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
 DISTRICT: Grant
 SURFACE OWNER: HG Energy II Appalachia, LLC
 ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,669' MD
 7,220' 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

09/16/2022

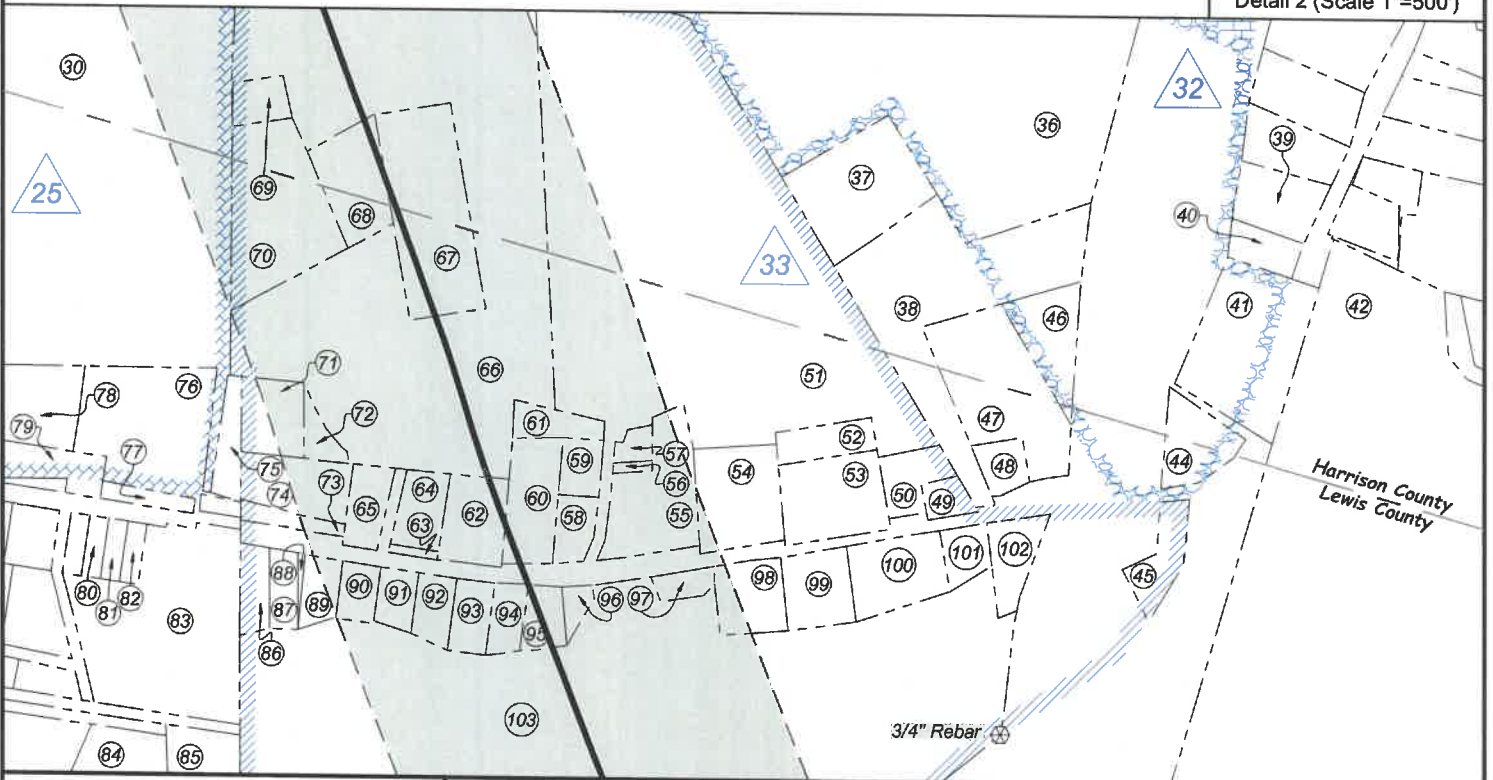


Detail 1 (Scale 1"=500')



ID	Lease
2	A.J. Smith, et ux
3	Dora B. McWhorter, et al
5	Union National Bank Trustee of Gore Morris
7	John T. Freeman
8	Walter Neely, et al
9	William H. & Fannie M. Homer
22	Nathan G. & Dora E. McWhorter
25	Nathan McWhorter, et al
32	James W. Rogers, et al
33	Hugh Davis
38	Hugh Davis
41	Myrtle Edmonds, et al
45	A.L. Waggoner, et al

Detail 2 (Scale 1"=500')



FILE NO: 296-36-G-18

DRAWING NO: Neel 1207 S-9H 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 7 2021

OPERATOR'S WELL NO. Neel 1207 S-9H

API WELL NO

47 - 033 - 05974
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: 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) LP & BH MOD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,689' MD

Top: West Milford
QUADRANGLE: Btm: Weston

COUNTY: Harrison
ACREAGE: 103.00

09/16/2022

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

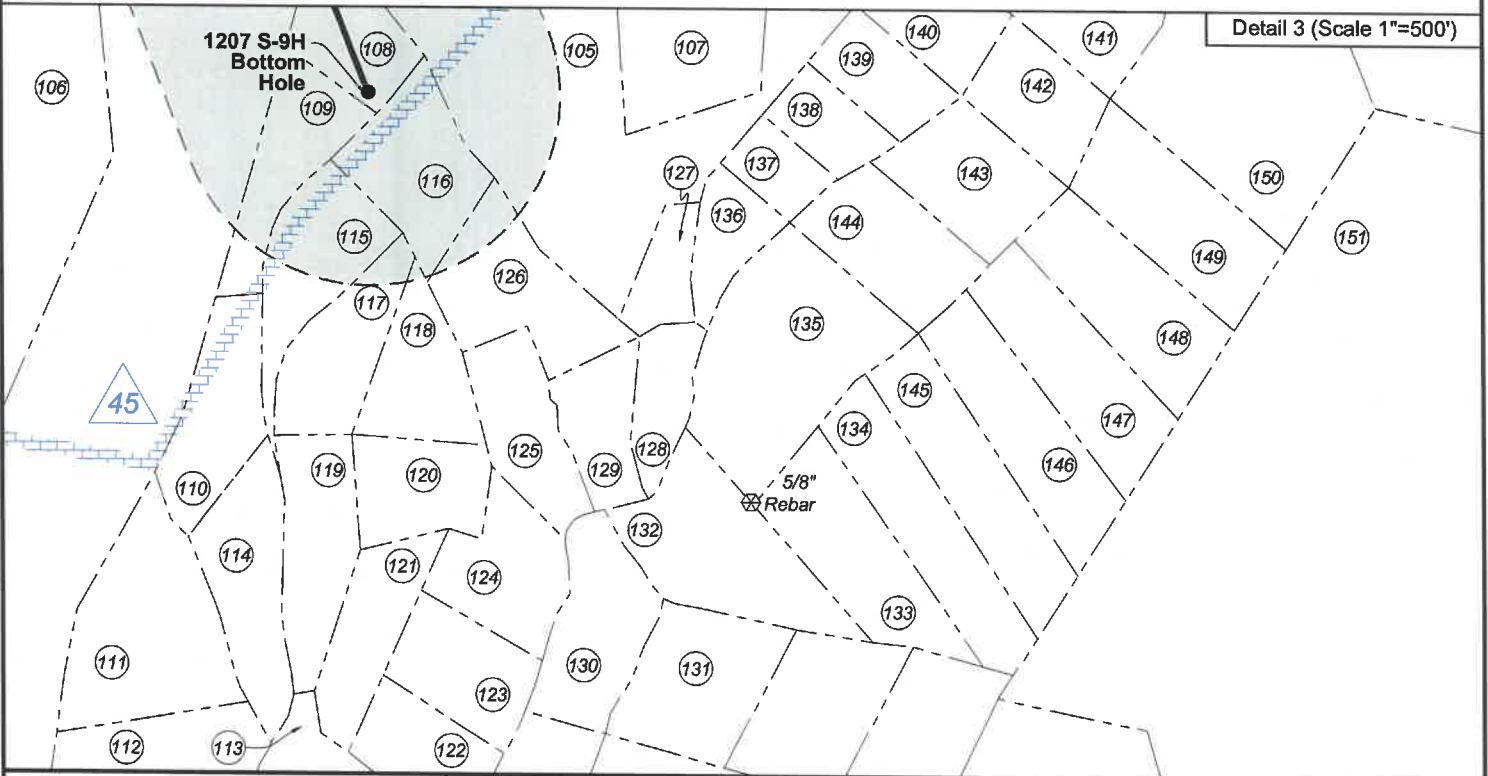


Harrison Co. - Grant Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	HG Energy II Appalachia, LLC	--- / ---	89.07
2	445 / 3	Lisa M. Nutter	W188 / 687	64.00
3	445 / 12	Lisa M. Nutter	W188 / 687	64.50
4	445 / 13	Mickey Petitto	W175 / 1167	132.85
5	445 / 13.1	Martha E. Lambert	--- / ---	26.77
6	445 / 14	Martha E. Lambert	1276 / 582	2.61
7	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
8	445 / 15	Margaret S. Fisher	1276 / 576	49.69
9	445 / 28	Margaret S. Fisher	1200 / 626	28.75
10	445 / 26	Leland Freeman	W188 / 329	15.25
11	445 / 25	Leland Jackson Freeman	W167 / 371	21.00
12	445 / 35.1	Robert Freeman	1510 / 178	1.85
13	445 / 35	Robert Freeman	1266 / 521	3.82
14	445 / 36	Leland Jackson Freeman	W167 / 371	1.34
15	445 / 37	Leland Jackson Freeman	W167 / 371	1.34
16	445 / 38	Leland Jackson Freeman	W167 / 371	1.34
17	445 / 39	Leland Jackson Freeman	W167 / 371	1.34
18	445 / 40	Leland Jackson Freeman	W167 / 371	8.20
19	445 / 41	Charles Sutton	--- / ---	7.40
20	445 / 42	Ivy Myrle Freeman	W56 / 47	4.80
21	445 / 42.1	Charles R. Sutton	--- / ---	3.00
22	445 / 43	Charles R. & Franklin L. Sutton	1623 / 1057	4.65

Harrison Co. - Grant Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
23	445 / 47	Charles R. & Franklin L. Sutton	1623 / 1057	78.00
24	445 / 46	James W. Riffle II, et al	1385 / 259	140.43
25	445 / 15	Margaret S. Fisher	1276 / 576	49.69
26	446 / 30	Charles R. Sutton	1535 / 207	29.00
27	446 / 31	Richard L. Hawkins, Jr.	1569 / 982	58.96
28	465 / 10	Catherine D. Weber	1495 / 458	81.50
29	465 / 4.1	J. Gregory & Rebecca Moore	1421 / 350	353.80
30	465 / 1	Catherine D. Weber	1495 / 458	103.72
31	466 / 5	Mary Reel	1244 / 948	75.48
32	466 / 4	Mary Reel	1244 / 948	10.90
33	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
34	466 / 1	Worthey E. & Connie S. Poe	1240 / 388	25.16
35	466 / 20	Worthey E. & Connie S. Poe	1240 / 388	49.24
36	466 / 39.1	Worthey E. & Connie S. Poe	1240 / 388	28.88
37	466 / 57.1	Martha L. Davis	W168 / 435	1.91
38	466 / 57.2	Vicki & Michael Davis	1198 / 1125	4.16
39	466 / 57.2	Vicki & Michael Davis	1198 / 1125	4.16
40	466 / 41	Dominioin Transmission	A158 / 362	0.77
41	466 / 59	David & Ladonna Manley	1380 / 151	1.68
42	466 / 40	Frank N. Wine, Jr. & III	1596 / 809	42.04
43	465 / --	Unknown Parcel	--- / ---	16.52



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-9H 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 7 2021
OPERATOR'S WELL NO. Neel 1207 S-9H
API WELL NO
47 - 033 - 05974
STATE COUNTY PERMIT

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

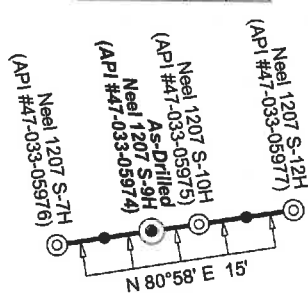
LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant
SURFACE OWNER: HG Energy II Appalachia, LLC
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,669' MD

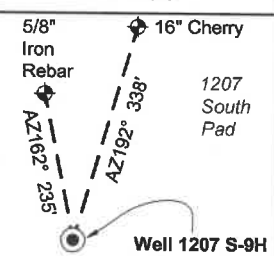
WELL OPERATOR: HG Energy II Appalachia, LLC ADDRESS: 5260 Dupont Road Parkersburg, WV 26101
DESIGNATED AGENT: Diane C. White ADDRESS: 5260 Dupont Road Parkersburg, WV 26101



Wellhead Layout (NTS)



Well Location References
Not to Scale



No.	TM / Par	Owner	Bk / Pg	Ac.
44	9C / 49	Timothy Dean Skinner	W4 / 706	1.35
45	9C / 50	Sharon Lee Allman	W47 / 298	0.73
46	9C / 46	Josephine M. Richardson	681 / 790	0.80
47	9C / 47	Josephine M. Richardson	681 / 790	2.36
48	9C / 45	Josephine M. Richardson	681 / 790	0.40
49	9C / 5.2	James R. & Sharon L. Allman	357 / 369	0.27
50	9C / 5.11	James R. & Sharon L. Allman	582 / 386	0.54
51	9C / 5	Steven Davis, et ux	665 / 329	20.47
52	9C / 6.11	Steve Davis & Darlene Davis	623 / 356	0.50
53	9C / 31	Steven M. Davis, et ux	713 / 12	1.62
54	9C / 5.3	Ryan K. Dumont, et ux	701 / 418	1.24
55	9C / 6.15	James R. Allman, et ux	662 / 432	1.51
56	9C / 6.16	Terrie & Mark Gregory	663 / 744	0.06
57	9C / 5.12	Mark A. Gregory, et ux	597 / 290	0.18
58	9C / 5.10	Angela M. Batten, et al	726 / 545	0.40
59	9C / 5.7	Mark A. Gregory, et ux	597 / 290	0.37
60	9C / 4	Joseph C. Rumbach, et ux	440 / 196	1.00
61	9C / 5.9	Christopher James Allman, et ux	513 / 527	0.41
62	9C / 3.2	David M. Hughes	506 / 714	0.85
63	9C / --	Monongahela Vally Traction Co.	76 / 424	0.06
64	9C / 3	Mary J. Radcliff, et al	W46 / 491	0.55
65	9C / 3.1	Nolan D. Gunter, Jr., et ux	594 / 145	0.50
66	9C / 6	Steven Davis, et ux	665 / 329	16.99
67	9C / 6.12	Amy N. Davis & Ryan K. Dumont	640 / 349	2.50
68	9C / 6.13	April D. & Brannon L. Jordan	641 / 42	1.05
69	9C / 6.3	Steve & Darlene Davis	665 / 329	0.38
70	9C / 6.14	April D. & Brannon L. Jordan	641 / 42	2.34
71	9C / 6.10	Elizabeth Post	594 / 764	0.74
72	9C / 6.17	Elizabeth Post	664 / 702	0.26
73	9C / 2	Nolan D. Gunter, Jr., et ux	594 / 145	0.25
74	9C / 1	Nolan D. Gunter, Jr., et ux	594 / 145	0.90
75	6 / 3	Catherine Weber	663 / 603	0.44
76	6 / 2.2	Willard J. Prince	--- / ---	0.24
77	6 / 2	Willard J. Prince	W22 / 109	1.22
78	6 / 1	Willard J. Prince	W22 / 109	4.75
79	6 / 2.1	JSB Land Holding	684 / 432	0.97
80	6 / 13	Jackie Lee Frazier	244 / 399	0.18
81	6 / 14	Daniel R. Rochelle L. Hinkle	732 / 6	0.18
82	6 / 15	Daniel R. Rochelle L. Hinkle	732 / 6	0.18
83	6 / 16	Floyd S. Woodyard	W6 / 138	4.00
84	6 / 31	Steven L. & Anna M. Butcher	543 / 765	3.34
85	6 / 32	Ronzel C. & Sandra K. Richards	317 / 331	4.00
86	9C / 5.6	Meranda K. Langbein	651 / 728	0.38
87	9C / 6.1	Robert Lee Smith, et ux	520 / 670	0.35
88	9C / 6.5	Robert Lee Smith, et ux	536 / 42	0.04
89	9C / 6.4	Kelly C. Montgomery	721 / 40	0.39
90	9C / 6.6	Charles W. Davis, et ux	611 / 655	0.35
91	9C / 6.8	Jerry D. Muncy, et ux	569 / 687	0.35
92	9C / 6.9	Jerry D. Muncy, et ux	569 / 687	0.40
93	9C / 6.7	Richard E. Ratliff, et ux	567 / 47	0.44
94	9C / 5.14	John M. Krupia, et ux	599 / 37	0.39
95	9C / 5.13	John M. Krupia, et ux	599 / 37	0.37
96	9C / 5.8	Charles E. Miller, et ux	663 / 185	0.18
97	9C / 5.5	T&G Rentals, LLC	667 / 767	0.24

No.	TM / Par	Owner	Bk / Pg	Ac.
98	9C / 7.1	Shaylee Suzanna Allman	670 / 621	0.77
99	9C / 7.2	Marcus Shane Gregory	673 / 609	0.80
100	9C / 7.3	Tyke Bryant Foster II	715 / 270	1.04
101	9C / 5.4	Jeffrey Russell Allman	162 / 588	0.38
102	9C / 5.1	Dominion Energy Transmission	--- / ---	0.70
103	9C / 7	Sharon Lee Allman	W47 / 298	74.55
104	9C / 30	Mike Ross Inc.	550 / 561	38.77
105	9C / 16.3	Mike Ross Inc.	712 / 409	42.71
106	9C / 8	Rose Ann & Hunter Kolb	W6 / 670	88.16
107	9C / 16.49	Rick & Carol Nolan	669 / 650	5.00
108	9C / 16.35	Tamera & Jonathan Riggs	724 / 203	2.07
109	9C / 16.36	Tamera & Jonathan Riggs	724 / 203	2.26
110	9C / 16.32	Roy & Rhoda Martin	638 / 722	2.51
111	9C / 16.16	Roy & Rhoda Martin	612 / 82	2.26
112	9C / 16.10	SWN Production Company, LLC	684 / 397	18.16
113	9C / 16.48	Roy & Rhoda Martin	662 / 618	4.29
114	9C / 16.28	Roy & Rhoda Martin	626 / 433	2.71
115	9C / 16.45	Jeffrey & Angela Ross	662 / 418	2.46
116	9C / 16.41	Tamera & Jonathan Riggs	724 / 199	2.62
117	9C / 16.34	Michael Stowers	669 / 418	2.26
118	9C / 16.33	Michael Stowers	669 / 418	2.07
119	9C / 16.13	Joni Nelson Howard	612 / 85	2.52
120	9C / 16.14	Joni Nelson Howard	669 / 642	2.03
121	9C / 16.29	Joni Nelson Howard	627 / 389	1.87
122	9C / 16.46	Roy & Rhoda Martin	662 / 618	2.03
123	9C / 16.47	Roy & Rhoda Martin	662 / 618	2.17
124	9C / 16.53	Joni Nelson Howard	674 / 69	2.38
125	9C / 16.6	Ross A. Lodge	717 / 846	1.73
126	9C / 52	Jeffrey & Ricki Leary	673 / 758	2.95
127	9C / 16.44	Jeremy & Autumn Vance	658 / 345	1.02
128	9C / 16.19	Robert P. Lindsey J. Shepherd	717 / 515	1.31
129	9C / 51	Jeffrey & Ricki Leary	673 / 744	1.64
130	9C / 16.21	David & Trena Bonnett	620 / 345	2.70
131	9C / 16.1	Mahadeo Ramkisoon	600 / 305	3.00
132	9C / 16.23	Brian W. Smith	712 / 459	1.60
133	9C / 16.43	Jason Eager	658 / 291	3.18
134	9C / 16.7	Sarah Nealis	684 / 321	6.37
135	9C / 16.11	Brian & Deborah Shillingburg	726 / 816	5.25
136	9C / 16.8	Virginia Barnette	608 / 505	1.25
137	9C / 16.2	Cody Kemper	736 / 800	0.96
138	9C / 16.31	Ross & Brenda Helmick	678 / 427	1.22
139	9C / 16.57	Samuel McDaniel, Jr.	713 / 53	1.53
140	9C / 16.18	Timothy Rice	702 / 475	2.00
141	9C / 16.5	Robert S. Hinderliter	608 / 6	4.30
142	9C / 16.17	Robert G. Fisher	639 / 511	2.00
143	9C / 16.30	John T. Vincent	647 / 344	2.56
144	9C / 50	Travis W. Taylor, et al	670 / 245	2.56
145	9C / 16.7	Sarah Nealis	684 / 321	6.37
146	9C / 16.27	Sarah Nealis	691 / 557	3.19
147	9C / 16.25	Paul A. & Karen B. Guillette	617 / 389	3.19
148	9C / 16.26	Paul A. & Karen B. Guillette	617 / 389	3.19
149	9C / 16.24	Paul A. & Karen B. Guillette	617 / 389	3.35
150	9C / 16.4	William A. & Amy D. Burchett	607 / 202	9.66
151	9C / 27	S. Thomas & Esther M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18

DRAWING NO: Neel 1207 S-9H 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 7 2021

OPERATOR'S WELL NO. Neel 1207 S-9H

API WELL NO

47 - 033 - 05974
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

Top: West Milford
QUADRANGLE: Btm: Weston

DISTRICT: Grant

COUNTY: Harrison

SURFACE OWNER: HG Energy II Appalachia, LLC

ACREAGE: 103.00

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) LP & BH MOD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,220' TVD
21,669' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

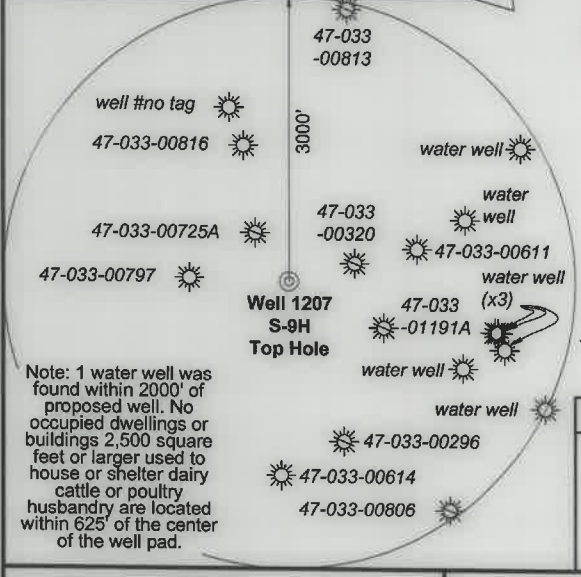
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

HG Energy II Appalachia, LLC
Well No. Neel 1207 S-9H
As-Drilled
 Page 1 of 4

Notes:
 Well No. Neel 1207 S-9H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,218,312.78'
 E: 1,809,818.86'
 Landing Point Coordinates
 N: 14,218,099.54'
 E: 1,809,103.61'
 Bottom Hole Coordinates
 N: 14,204,716.72'
 E: 1,814,032.16'

- 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. Neel 1207 S-9H
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°09'04.79" Latitude: 39°06'50.08"
 Longitude: 80°24'09.44" Longitude: 80°23'17.11"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,333,750.403m N: 4,329,606.315m
 E: 551,633.892m E: 552,918.108m
 Plat orientation and corner and well references are
 based upon the grid north meridian. Well location
 references are based upon the magnetic meridian.



Tag	Bearing	Dist.
L1	S 02°20' E	1,495.9'
L2	S 16°59' W	1,590.1'
L3	S 75°04' W	2,159.2'
L4	N 73°58' W	989.6'

7,831' to Top Hole

3,712' to Bottom Hole

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



LONGITUDE 80 - 22 - 30
 4,038' to Bottom Hole
 5,584' to Top Hole

Bottom Hole
 7.5' Spot



SEAL
 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-9H ASWP
 SCALE: 1" = 2000'
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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: April 7 2021
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 API WELL NO
 47 - 033 - 05974
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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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 ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

09/16/2022

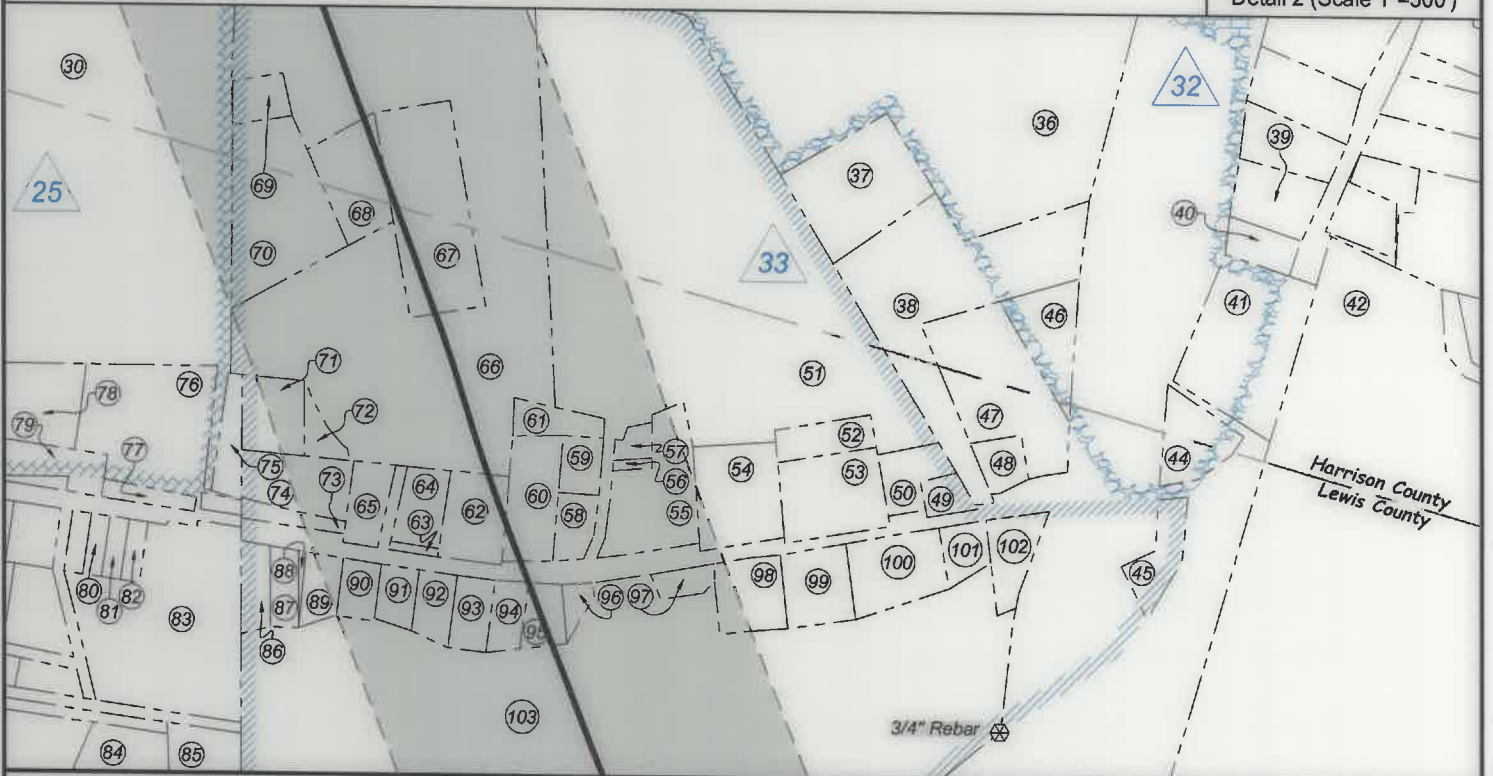


Detail 1 (Scale 1"=500')



ID	Lease
2	A.J. Smith, et ux
3	Dora B. McWhorter, et al
5	Union National Bank Trustee of Gore Morris
7	John T. Freeman
8	Walter Neely, et al
9	William H. & Fannie M. Homer
22	Nathan G. & Dora E. McWhorter
25	Nathan McWhorter, et al
32	James W. Rogers, et al
33	Hugh Davis
38	Hugh Davis
41	Myrtle Edmonds, et al
45	A.L. Waggoner, et al

Detail 2 (Scale 1"=500')



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-9H 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 7 2021
OPERATOR'S WELL NO. Neel 1207 S-9H
API WELL NO
47 - 033 - 05974
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: HG Energy II Appalachia, LLC
ROYALTY OWNER: Dora B. McWhorter, et al

COUNTY: Harrison
ACREAGE: 99.01

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,220' TVD 21,669' MD

WELL OPERATOR: HG Energy II Appalachia, LLC
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Parkersburg, WV 26101

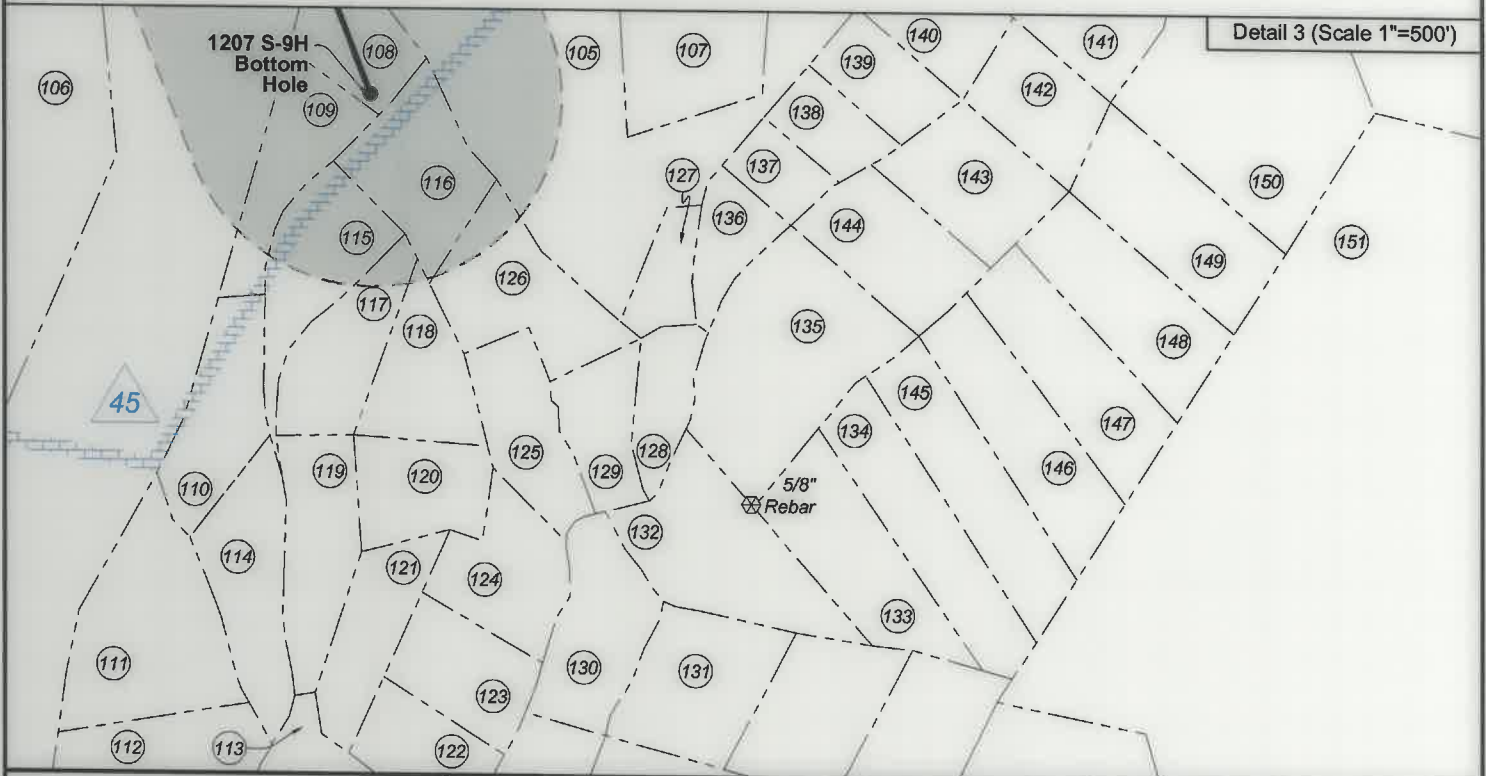
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

09/16/2022



Harrison Co. - Grant Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	HG Energy II Appalachia, LLC	--- / ---	89.07
2	445 / 3	Lisa M. Nutter	W188 / 687	64.00
3	445 / 12	Lisa M. Nutter	W188 / 687	64.50
4	445 / 13	Mickey Petitto	W175 / 1167	132.85
5	445 / 13.1	Martha E. Lambert	--- / ---	26.77
6	445 / 14	Martha E. Lambert	1276 / 582	2.61
7	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
8	445 / 15	Margaret S. Fisher	1276 / 576	49.69
9	445 / 28	Margaret S. Fisher	1200 / 626	28.75
10	445 / 26	Leland Freeman	W188 / 329	15.25
11	445 / 25	Leland Jackson Freeman	W167 / 371	21.00
12	445 / 35.1	Robert Freeman	1510 / 178	1.85
13	445 / 35	Robert Freeman	1266 / 521	3.82
14	445 / 36	Leland Jackson Freeman	W167 / 371	1.34
15	445 / 37	Leland Jackson Freeman	W167 / 371	1.34
16	445 / 38	Leland Jackson Freeman	W167 / 371	1.34
17	445 / 39	Leland Jackson Freeman	W167 / 371	1.34
18	445 / 40	Leland Jackson Freeman	W167 / 371	8.20
19	445 / 41	Charles Sutton	--- / ---	7.40
20	445 / 42	Ivy Myrtle Freeman	W56 / 47	4.80
21	445 / 42.1	Charles R. Sutton	--- / ---	3.00
22	445 / 43	Charles R. & Franklin L. Sutton	1623 / 1057	4.65

Harrison Co. - Grant Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
23	445 / 47	Charles R. & Franklin L. Sutton	1623 / 1057	78.00
24	445 / 46	James W. Riffle II, et al	1385 / 259	140.43
25	445 / 15	Margaret S. Fisher	1276 / 576	49.69
26	446 / 30	Charles R. Sutton	1535 / 207	29.00
27	446 / 31	Richard L. Hawkins, Jr.	1569 / 982	58.96
28	465 / 10	Catherine D. Weber	1495 / 458	81.50
29	465 / 4.1	J. Gregory & Rebecca Moore	1421 / 350	353.80
30	465 / 1	Catherine D. Weber	1495 / 458	103.72
31	466 / 5	Mary Reel	1244 / 948	75.48
32	466 / 4	Mary Reel	1244 / 948	10.90
33	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
34	466 / 1	Worthey E. & Connie S. Poe	1240 / 388	25.16
35	466 / 20	Worthey E. & Connie S. Poe	1240 / 388	49.24
36	466 / 39.1	Worthey E. & Connie S. Poe	1240 / 388	28.88
37	466 / 57.1	Martha L. Davis	W168 / 435	1.91
38	466 / 57.2	Vicki & Michael Davis	1198 / 1125	4.16
39	466 / 57.2	Vicki & Michael Davis	1198 / 1125	4.16
40	466 / 41	Dominioin Transmission	A158 / 362	0.77
41	466 / 59	David & Ladonna Manley	1380 / 151	1.68
42	466 / 40	Frank N. Wine, Jr. & III	1596 / 809	42.04
43	465 / --	Unknown Parcel	--- / ---	16.52



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-9H 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 7 2021
OPERATOR'S WELL NO. Neel 1207 S-9H
API WELL NO
47 - 033 - 05974
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: HG Energy II Appalachia, LLC
ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00

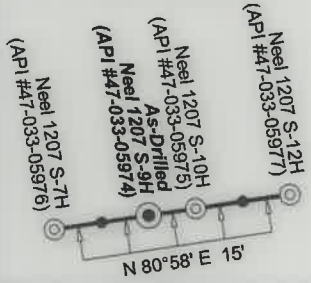
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,669' MD

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

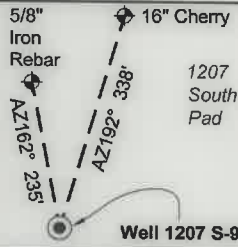
09/16/2022



Wellhead Layout (NTS)



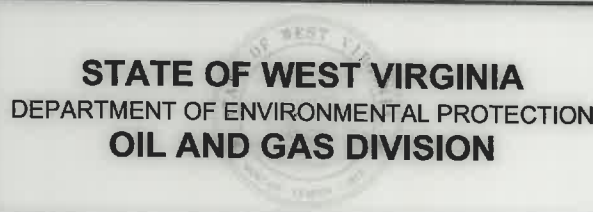
Well Location References
Not to Scale



Lewis Co. - Hackers Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
44	9C / 49	Timothy Dean Skinner	W4 / 706	1.35
45	9C / 50	Sharon Lee Allman	W47 / 298	0.73
46	9C / 46	Josephine M. Richardson	681 / 790	0.80
47	9C / 47	Josephine M. Richardson	681 / 790	2.36
48	9C / 45	Josephine M. Richardson	681 / 790	0.40
49	9C / 5.2	James R. & Sharon L. Allman	357 / 369	0.27
50	9C / 5.11	James R. & Sharon L. Allman	582 / 386	0.54
51	9C / 5	Steven Davis, et ux	665 / 329	20.47
52	9C / 6.11	Steve Davis & Darlene Davis	623 / 356	0.50
53	9C / 31	Steven M. Davis, et ux	713 / 12	1.62
54	9C / 5.3	Ryan K. Dumont, et ux	701 / 418	1.24
55	9C / 6.15	James R. Allman, et ux	662 / 432	1.51
56	9C / 6.16	Terrie & Mark Gregory	663 / 744	0.06
57	9C / 5.12	Mark A. Gregory, et ux	597 / 290	0.18
58	9C / 5.10	Angela M. Batten, et al	726 / 545	0.40
59	9C / 5.7	Mark A. Gregory, et ux	597 / 290	0.37
60	9C / 4	Joseph C. Rumbach, et ux	440 / 196	1.00
61	9C / 5.9	Christopher James Allman, et ux	513 / 527	0.41
62	9C / 3.2	David M. Hughes	506 / 714	0.85
63	9C / - -	Monongahela Vally Traction Co.	76 / 424	0.06
64	9C / 3	Mary J. Radcliff, et al	W46 / 491	0.55
65	9C / 3.1	Nolan D. Gunter, Jr., et ux	594 / 145	0.50
66	9C / 6	Steven Davis, et ux	665 / 329	16.99
67	9C / 6.12	Amy N. Davis & Ryan K. Dumont	640 / 349	2.50
68	9C / 6.13	April D. & Brannon L. Jordan	641 / 42	1.05
69	9C / 6.3	Steve & Darlene Davis	665 / 329	0.38
70	9C / 6.14	April D. & Brannon L. Jordan	641 / 42	2.34
71	9C / 6.10	Elizabeth Post	594 / 764	0.74
72	9C / 6.17	Elizabeth Post	664 / 702	0.26
73	9C / 2	Nolan D. Gunter, Jr., et ux	594 / 145	0.25
74	9C / 1	Nolan D. Gunter, Jr., et ux	594 / 145	0.90
75	6 / 3	Catherine Weber	663 / 603	0.44
76	6 / 2.2	Willard J. Prince	--- / ---	0.24
77	6 / 2	Willard J. Prince	W22 / 109	1.22
78	6 / 1	Willard J. Prince	W22 / 109	4.75
79	6 / 2.1	JSB Land Holding	684 / 432	0.97
80	6 / 13	Jackie Lee Frazier	244 / 399	0.18
81	6 / 14	Daniel R. Rochelle L. Hinkle	732 / 6	0.18
82	6 / 15	Daniel R. Rochelle L. Hinkle	732 / 6	0.18
83	6 / 16	Floyd S. Woodyard	W6 / 138	4.00
84	6 / 31	Steven L. & Anna M. Butcher	543 / 765	3.34
85	6 / 32	Ronzel C. & Sandra K. Richards	317 / 331	4.00
86	9C / 5.6	Meranda K. Langbein	651 / 728	0.38
87	9C / 6.1	Robert Lee Smith, et ux	520 / 670	0.35
88	9C / 6.5	Robert Lee Smith, et ux	536 / 42	0.04
89	9C / 6.4	Kelly C. Montgomery	721 / 40	0.39
90	9C / 6.6	Charles W. Davis, et ux	611 / 655	0.35
91	9C / 6.8	Jerry D. Muncy, et ux	569 / 687	0.35
92	9C / 6.9	Jerry D. Muncy, et ux	569 / 687	0.40
93	9C / 6.7	Richard E. Ratliff, et ux	567 / 47	0.44
94	9C / 5.14	John M. Krupia, et ux	599 / 37	0.39
95	9C / 5.13	John M. Krupia, et ux	599 / 37	0.37
96	9C / 5.8	Charles E. Miller, et ux	663 / 185	0.18
97	9C / 5.5	T&G Rentals, LLC	667 / 767	0.24

Lewis Co. - Hackers Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
98	9C / 7.1	Shaylee Suzanna Allman	670 / 621	0.77
99	9C / 7.2	Marcus Shane Gregory	673 / 609	0.80
100	9C / 7.3	Tyke Bryant Foster II	715 / 270	1.04
101	9C / 5.4	Jeffrey Russell Allman	162 / 588	0.38
102	9C / 5.1	Dominion Energy Transmission	--- / ---	0.70
103	9C / 7	Sharon Lee Allman	W47 / 298	74.55
104	9C / 30	Mike Ross Inc.	550 / 561	38.77
105	9C / 16.3	Mike Ross Inc.	712 / 409	42.71
106	9C / 8	Rose Ann & Hunter Kolb	W6 / 670	88.16
107	9C / 16.49	Rick & Carol Nolan	669 / 650	5.00
108	9C / 16.35	Tamera & Jonathan Riggs	724 / 203	2.07
109	9C / 16.36	Tamera & Jonathan Riggs	724 / 203	2.26
110	9C / 16.32	Roy & Rhoda Martin	638 / 722	2.51
111	9C / 16.16	Roy & Rhoda Martin	612 / 82	2.26
112	9C / 16.10	SWN Production Company, LLC	684 / 397	18.16
113	9C / 16.48	Roy & Rhoda Martin	662 / 618	4.29
114	9C / 16.28	Roy & Rhoda Martin	626 / 433	2.71
115	9C / 16.45	Jeffrey & Angela Ross	662 / 418	2.46
116	9C / 16.41	Tamera & Jonathan Riggs	724 / 199	2.62
117	9C / 16.34	Michael Stowers	669 / 418	2.26
118	9C / 16.33	Michael Stowers	669 / 418	2.07
119	9C / 16.13	Joni Nelson Howard	612 / 85	2.52
120	9C / 16.14	Joni Nelson Howard	669 / 642	2.03
121	9C / 16.29	Joni Nelson Howard	627 / 389	1.87
122	9C / 16.46	Roy & Rhoda Martin	662 / 618	2.03
123	9C / 16.47	Roy & Rhoda Martin	662 / 618	2.17
124	9C / 16.53	Joni Nelson Howard	674 / 69	2.38
125	9C / 16.6	Ross A. Lodge	717 / 846	1.73
126	9C / 52	Jeffrey & Ricki Leary	673 / 758	2.95
127	9C / 16.44	Jeremy & Autumn Vance	658 / 345	1.02
128	9C / 16.19	Robert P. Lindsey J. Shepherd	717 / 515	1.31
129	9C / 51	Jeffrey & Ricki Leary	673 / 744	1.64
130	9C / 16.21	David & Trena Bonnett	620 / 345	2.70
131	9C / 16.1	Mahadeo Ramkissoon	600 / 305	3.00
132	9C / 16.23	Brian W. Smith	712 / 459	1.60
133	9C / 16.43	Jason Eager	658 / 291	3.18
134	9C / 16.7	Sarah Nealis	684 / 321	6.37
135	9C / 16.11	Brian & Deborah Shillingburg	726 / 816	5.25
136	9C / 16.8	Virginia Barnette	608 / 505	1.25
137	9C / 16.2	Cody Kemper	736 / 800	0.96
138	9C / 16.31	Ross & Brenda Helmick	678 / 427	1.22
139	9C / 16.57	Samuel McDaniel, Jr.	713 / 53	1.53
140	9C / 16.18	Timothy Rice	702 / 475	2.00
141	9C / 16.5	Robert S. Hinderliter	608 / 6	4.30
142	9C / 16.17	Roberta G. Fisher	639 / 511	2.00
143	9C / 16.30	John T. Vincent	647 / 344	2.56
144	9C / 50	Travis W. Taylor, et al	670 / 245	2.56
145	9C / 16.7	Sarah Nealis	684 / 321	6.37
146	9C / 16.27	Sarah Nealis	691 / 557	3.19
147	9C / 16.25	Paul A. & Karen B. Guillette	617 / 389	3.19
148	9C / 16.26	Paul A. & Karen B. Guillette	617 / 389	3.19
149	9C / 16.24	Paul A. & Karen B. Guillette	617 / 389	3.35
150	9C / 16.4	William A. & Amy D. Burchett	607 / 202	9.66
151	9C / 27	S. Thomas & Esther M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-9H ASWP
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV



DATE: April 7 2021
OPERATOR'S WELL NO. Neel 1207 S-9H
API WELL NO
47 - 033 - 05974
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: 89.97

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) LP & BH MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,669' MD 7,220' 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