

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

API 47 - 033 - 05976 County Harrison District Grant Union
Quad West Milford Pad Name Neel 1207 Field/Pool Name Lost Creek
Farm name Neel Well Number 1207 S7H
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 4333748.967 Easting 551624.861
Landing Point of Curve Northing 4333537.934 Easting 550990.073
Bottom Hole Northing 4329332.970 Easting 552520.017

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

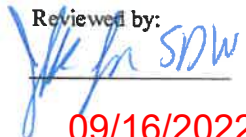
Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

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 12/20/2019 Date drilling ceased 1/12/2021
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 - 05976 Farm name Neel Well number 1207 S7H

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"	849		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"	3026	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	22442	New	23 lbs/ft P-11		Yes
Tubing					6.5 lbs/ft J55		
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	2046	15.6	1.18	2414	Surface	8
Coal							
Intermediate 1	Class A	1567/601	16.0/16.4	1.16/1.12	1818/673	Surface	24
Intermediate 2	Class A	944	15.6	1.18	1119	Surface	8
Intermediate 3							
Production	Class A	967/381/3008	13.5/14.8/14.8	1.85/1.48/1.34	1789/564/4031	Surface	8
Tubing							

Drillers TD (ft) 22492 Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) 6700

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____
 20" casing: Centralizer placed on the shoe joint and every other joint to surface
 13.375" casing: centralizer run every joint to 20" casing then placed every 3 joints to surface
 9.625" casing: Centralizers run every other joint to 13.375" casing then placed every 3 joints to surface
 5.5" casing: Centralizer run every joint to top of curve (KOP) then centralizers placed every 3 joints to surface

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 033 - 05976 Farm name Neel Well number 1207 S7H

PRODUCING FORMATION(S)	DEPTHS	TVD	MD
Marcellus	7136-7216		7862-22492

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,302 psi Bottom Hole _____ psi DURATION OF TEST 597 hrs

OPEN FLOW Gas 30,580 mcfpd Oil _____ bpd NGL _____ bpd Water 2,256 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	
	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 May 11, 2021

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

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HG Energy II Appalachia, LLC

Neel 1207 S-7H

Perforation Record

Stage #	Perf Date	Perf from depth	Perf to depth	Number of perfs	Formation
Sleeve	3/31/2021	22414	22386	N/A	Marcellus
2	3/31/2021	22,352	22,184	28	Marcellus
3	4/1/2021	22,156	21,988	28	Marcellus
4	4/1/2021	21,960	21,792	28	Marcellus
5	4/1/2021	21,764	21,596	28	Marcellus
6	4/2/2021	21,568	21,400	28	Marcellus
7	4/2/2021	21,372	21,204	28	Marcellus
8	4/2/2021	21,176	21,008	28	Marcellus
9	4/2/2021	20,980	20,812	28	Marcellus
10	4/3/2021	20,784	20,616	28	Marcellus
11	4/3/2021	20,588	20,420	28	Marcellus
12	4/3/2021	20,392	20,224	28	Marcellus
13	4/3/2021	20,196	20,028	28	Marcellus
14	4/4/2021	20,000	19,832	28	Marcellus
15	4/4/2021	19,804	19,636	28	Marcellus
16	4/4/2021	19,608	19,440	28	Marcellus
17	4/5/2021	19,412	19,244	28	Marcellus
18	4/5/2021	19,216	19,048	28	Marcellus
19	4/5/2021	19,020	18,852	28	Marcellus
20	4/5/2021	18,824	18,656	28	Marcellus
21	4/6/2021	18,628	18,460	28	Marcellus
22	4/6/2021	18,432	18,264	28	Marcellus
23	4/6/2021	18,236	18,068	28	Marcellus
24	4/6/2021	18,040	17,872	28	Marcellus
25	4/7/2021	17,844	17,676	28	Marcellus
26	4/7/2021	17,648	17,480	28	Marcellus
27	4/7/2021	17,452	17,284	28	Marcellus
28	4/8/2021	17,256	17,088	28	Marcellus
29	4/8/2021	17,060	16,892	28	Marcellus
30	4/8/2021	16,864	16,696	28	Marcellus
31	4/8/2021	16,668	16,500	28	Marcellus
32	4/9/2021	16,472	16,304	28	Marcellus
33	4/9/2021	16,276	16,108	28	Marcellus
34	4/9/2021	16,080	15,912	28	Marcellus
35	4/9/2021	15,884	15,716	28	Marcellus
36	4/10/2021	15,688	15,520	28	Marcellus
37	4/10/2021	15,492	15,324	28	Marcellus
38	4/10/2021	15,296	15,128	28	Marcellus
39	4/10/2021	15,100	14,932	28	Marcellus
40	4/11/2021	14,904	14,736	28	Marcellus
41	4/11/2021	14,708	14,540	28	Marcellus
42	4/11/2021	14,512	14,344	28	Marcellus
43	4/12/2021	14,316	14,148	28	Marcellus
44	4/12/2021	14,120	13,952	28	Marcellus
45	4/12/2021	13,924	13,756	28	Marcellus
46	4/12/2021	13,728	13,560	28	Marcellus
47	4/13/2021	13,532	13,364	28	Marcellus
48	4/13/2021	13,336	13,168	28	Marcellus
49	4/13/2021	13,140	12,972	28	Marcellus
50	4/13/2021	12,944	12,776	28	Marcellus
51	4/13/2021	12,748	12,580	28	Marcellus
52	4/14/2021	12,552	12,384	28	Marcellus
53	4/14/2021	12,356	12,188	28	Marcellus
54	4/14/2021	12,160	11,992	28	Marcellus
55	4/14/2021	11,964	11,796	28	Marcellus

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56	4/15/2021	11,768	11,600	28	Marcellus
57	4/15/2021	11,572	11,404	28	Marcellus
58	4/15/2021	11,376	11,208	28	Marcellus
59	4/15/2021	11,180	11,012	28	Marcellus
60	4/15/2021	10,984	10,816	28	Marcellus
61	4/15/2021	10,788	10,620	28	Marcellus
62	4/16/2021	10,592	10,424	28	Marcellus
63	4/16/2021	10,396	10,228	28	Marcellus
64	4/16/2021	10,200	10,032	28	Marcellus
65	4/16/2021	10004	9836	28	Marcellus
66	4/16/2021	9808	9640	28	Marcellus
67	4/16/2021	9612	9444	28	Marcellus
68	4/17/2021	9416	9248	28	Marcellus
69	4/17/2021	9220	9052	28	Marcellus
70	4/17/2021	9024	8856	28	Marcellus
71	4/17/2021	8828	8660	28	Marcellus
72	4/17/2021	8632	8464	28	Marcellus
73	4/17/2021	8436	8268	28	Marcellus
74	4/17/2021	8240	8072	28	Marcellus
75	4/18/2021	8044	7876	28	Marcellus

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HG Energy II Appalachia, LLC

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Stimulation Record

Stage #	Perf Date	Ave pump rate (BPM)	Ave Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve	3/31/2021	78.0	9880	N/A	5276	270498	8367
2	3/31/2021	89.2	10,082	6,027	5,600	700,420	14,999
3	4/1/2021	86.5	10,011	6,563	5,740	700,440	14,828
4	4/1/2021	87.0	9,717	7,425	5,512	702,381	12,722
5	4/1/2021	91.2	9,849	6,725	5,867	702,830	14,247
6	4/2/2021	92.4	10,359	7,307	5,925	706,760	11,810
7	4/2/2021	90.0	10,267	6,593	5,619	680,080	11,670
8	4/2/2021	95.0	10,278	6,292	6,318	705,995	10,037
9	4/2/2021	97.7	10,432	6,708	6,260	705,150	10,038
10	4/3/2021	95.3	10,319	6,565	5,310	706,520	9,960
11	4/3/2021	95.0	10,195	7,030	6,043	705,763	10,071
12	4/3/2021	99.0	9,922	7,000	5,856	705,894	9,885
13	4/3/2021	95.0	10,391	6,284	5,780	704,710	9,640
14	4/4/2021	95.0	10,523	6,563	5,711	616,010	10,670
15	4/4/2021	94.0	10,336	6,875	4,836	680,371	9,753
16	4/4/2021	91.3	10,035	6,908	5,865	705,280	9,982
17	4/5/2021	97.6	10,423	6,426	5,740	707,050	9,943
18	4/5/2021	96.0	10,263	6,179	4,932	706,157	9,887
19	4/5/2021	98.0	10,401	6,409	4,844	705,974	9,869
20	4/5/2021	88.2	10,123	5,928	4,880	705,620	13,356
21	4/6/2021	101.7	10,217	6,199	5,640	705,670	9,885
22	4/6/2021	96.0	10,284	6,269	5,260	705,490	9,893
23	4/6/2021	95.0	10,152	6,571	5,149	630,529	9,364
24	4/6/2021	91.1	10,046	6,272	5,253	704,200	9,796
25	4/7/2021	95.5	10,203	6,470	5,590	705,280	9,936
26	4/7/2021	95.0	10,086	6,870	5,172	706,602	9,830
27	4/7/2021	96.4	10,254	6,661	5,426	705,190	9,877
28	4/8/2021	101.0	10,220	6,365	5,370	681,940	9,715
29	4/8/2021	92.0	10,248	6,385	4,926	681,461	9,542
30	4/8/2021	100.0	10,062	6,778	5,451	680,428	9,573
31	4/8/2021	90.2	10,177	7,250	4,402	681,520	9,532
32	4/9/2021	96.0	10,299	6,924	4,535	681,140	9,493
33	4/9/2021	103.0	10,192	7,515	5,194	679,493	9,554
34	4/9/2021	103.1	10,144	6,873	4,372	680,830	9,425
35	4/9/2021	102.9	10,077	6,396	5,096	636,010	9,300
36	4/10/2021	109.0	9,862	6,227	5,005	683,860	9,698
37	4/10/2021	106.0	9,884	6,064	5,720	679,553	9,367
38	4/10/2021	108.0	9,925	6,479	4,715	647,217	9,405
39	4/10/2021	103.7	9,462	6,249	4,406	681,780	9,481
40	4/11/2021	107.0	9,528	6,092	4,916	680,059	9,533
41	4/11/2021	106.0	9,538	6,202	4,226	680,049	10,350
42	4/11/2021	102.6	9,479	6,189	4,643	680,040	9,505
43	4/12/2021	106.3	9,398	6,015	4,947	679,980	9,570
44	4/12/2021	107.0	9,648	6,582	4,883	680,143	9,482
45	4/12/2021	105.0	9,840	7,051	4,926	680,527	9,473
46	4/12/2021	108.7	9,605	6,785	5,237	680,040	9,553
47	4/13/2021	105.1	9,451	6,589	5,714	681,080	9,579
48	4/13/2021	107.0	9,517	6,744	4,669	679,780	9,568
49	4/13/2021	109.0	9,374	5,973	4,839	681,388	9,479
50	4/13/2021	108.0	9,330	6,194	4,905	680,477	9,427
51	4/13/2021	108.5	9,362	6,331	5,168	682,120	9,416
52	4/14/2021	102.1	9,476	6,058	5,040	910,577	15,634
53	4/14/2021	109.0	9,395	6,186	5,260	680,510	9,437
54	4/14/2021	107	9,168	5,975	5,320	681,240	10,582
55	4/14/2021	108.6	9,296	5,882	4,893	680,760	9,461
56	4/15/2021	107.3	9,258	5,731	5,038	681,466	9,509
57	4/15/2021	109	9,066	6,132	5,378	680,980	9,460
58	4/15/2021	109	8,943	6,154	5,200	681,760	9,496
59	4/15/2021	109	9,090	6,176	5,300	680,550	9,466
60	4/15/2021	108	8,726	5,779	5,340	672,100	9,320
61	4/15/2021	109.7	8,554	5,899	4,826	670,780	9,404
62	4/16/2021	106.1	9,031	6,248	5,511	670,030	9,512

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63	4/16/2021	106.9	8,952	6,009	4,688	657,140	9,292
64	4/16/2021	105	8,934	6,037	5,560	670,960	9,383
65	4/16/2021	106	8,815	6,567	5,600	656230	9,331
66	4/16/2021	110	8,769	6,819	5,700	670360	9,434
67	4/16/2021	108.3	8,604	6,671	4,462	671530	9,437
68	4/17/2021	109.1	8,488	6,055	5,518	671080	9,405
69	4/17/2021	110.2	8,591	6,387	5,231	672420	9,547
70	4/17/2021	109	9,038	6,638	5,270	670490	9,476
71	4/17/2021	109	9,071	6,607	5,040	670790	9,353
72	4/17/2021	109	8646	6123	5150	671040	9420
73	4/17/2021	106.8	8985	5975	4820	670580	10249
74	4/17/2021	108.7	8343	7121	5249	673180	9627
75	4/18/2021	107.4	7970	7239	4446	673520	9786

09/16/2022

Fracture Start Date/Time
Fracture End Date/Time
State
County
API Number
Operator Number
Well Name
Field Well
Longitude
Latitude
True Vertical Depth (TVD)
Total Open Fluid Volume (gall)

Ingredients Section:

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

HG Energy II Appalachia, LLC
Neel 1207 S-7H
Lithology Report

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		849		
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	2280	2279
Gordon/Forth Sand	2279	2279	2467	2466
5th Sand	2526	2526	2539	2538
Bayard	2593	2592	2603	2602
Warren	2893	2892	2934	2932
9-5/8' Casing		3026		
Speechley	3203	3199	3219	3217
Balltown	3436	3428	3446	3438
Benson	4698	4551	4711	4562
Rhinestreet	6244	5875	6984	6508
Cashaqua	6984	6508	7266	6740
Middlesex	7266	6740	7387	6830
West River	7387	6830	7538	6941
Burket	7538	6941	7586	6974
Tully	7586	6974	7739	7073
Hamilton	7739	7073	7862	7136
Marcellus	7862	7136	22492	7216

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HG Energy II Appalachia, LLC
Well No. Neel 1207 S-7H
As-Drilled

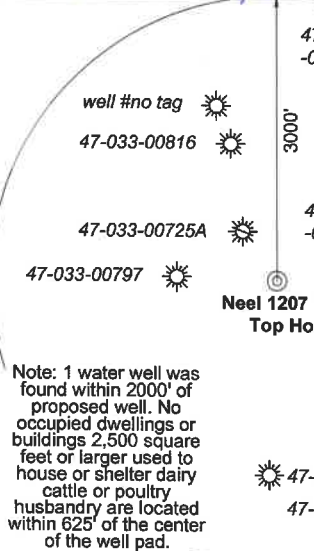
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Notes:
Well No. Neel 1207 S-7H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,308.07'
E: 1,809,789.23'
Landing Point Coordinates
N: 14,217,601.26'
E: 1,807,704.76'
Bottom Hole Coordinates
N: 14,203,891.92'
E: 1,812,726.09'

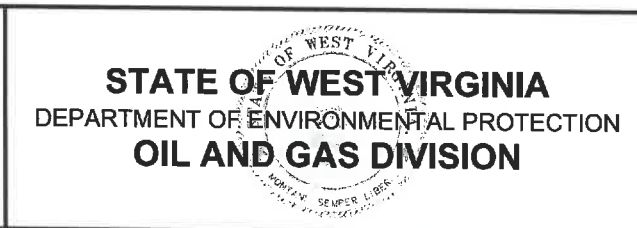


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-7H ASWP
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

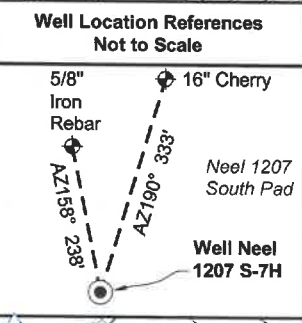
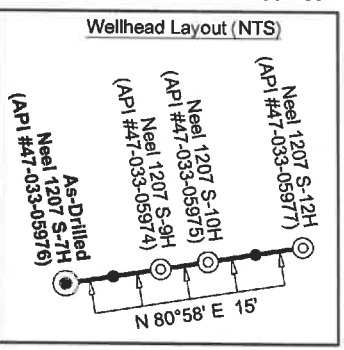
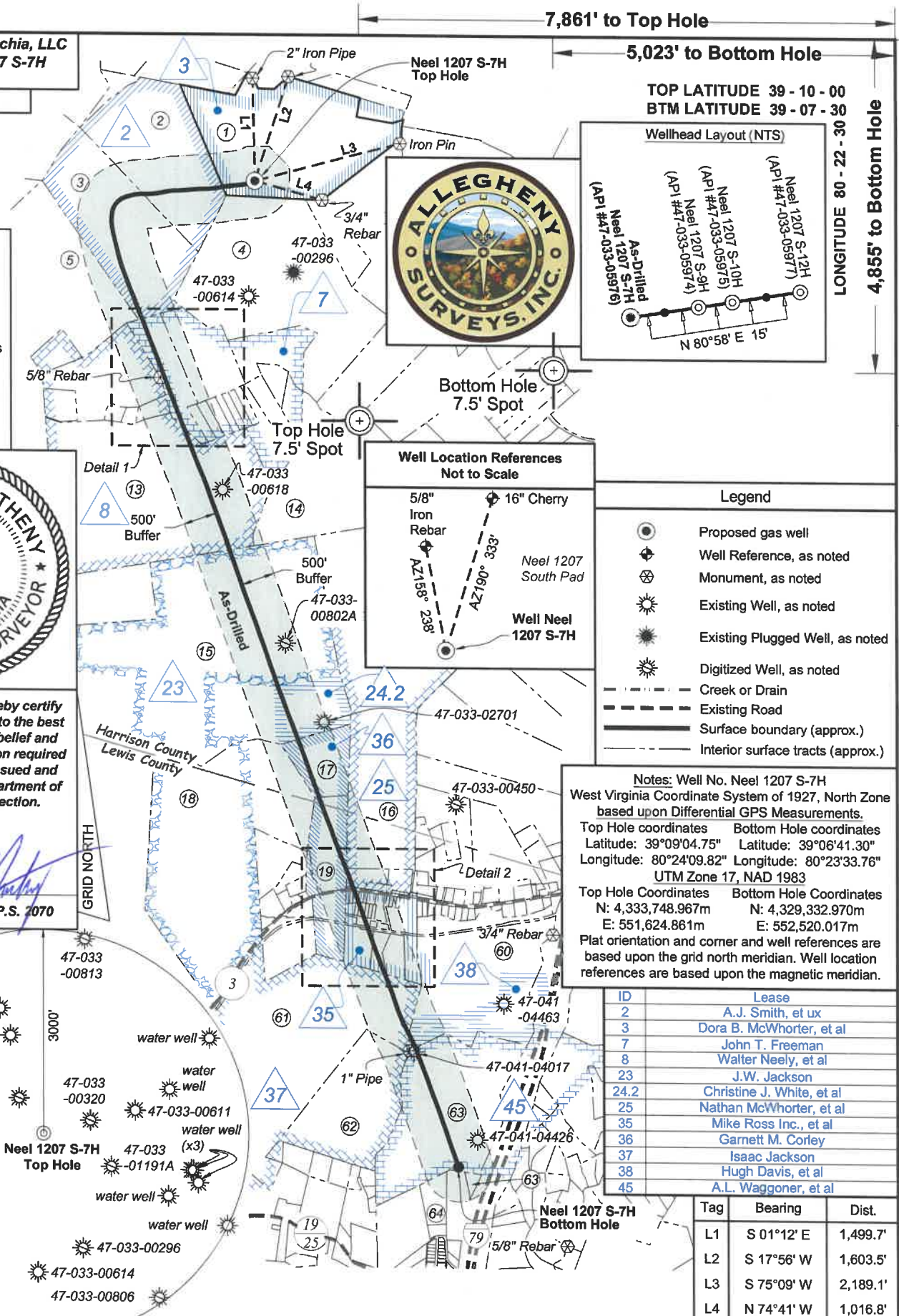


DATE: April 7 2021
OPERATOR'S WELL NO. Neel 1207 S-7H
API WELL NO
47 - 033 - 05976
STATE COUNTY PERMIT

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)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,492' 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



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-7H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'04.75" Longitude: 80°24'09.82" UTM Zone 17, NAD 1983
Bottom Hole coordinates Latitude: 39°06'41.30" Longitude: 80°23'33.76" UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,748.967m E: 551,624.861m
Bottom Hole Coordinates N: 4,329,332.970m E: 552,520.017m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

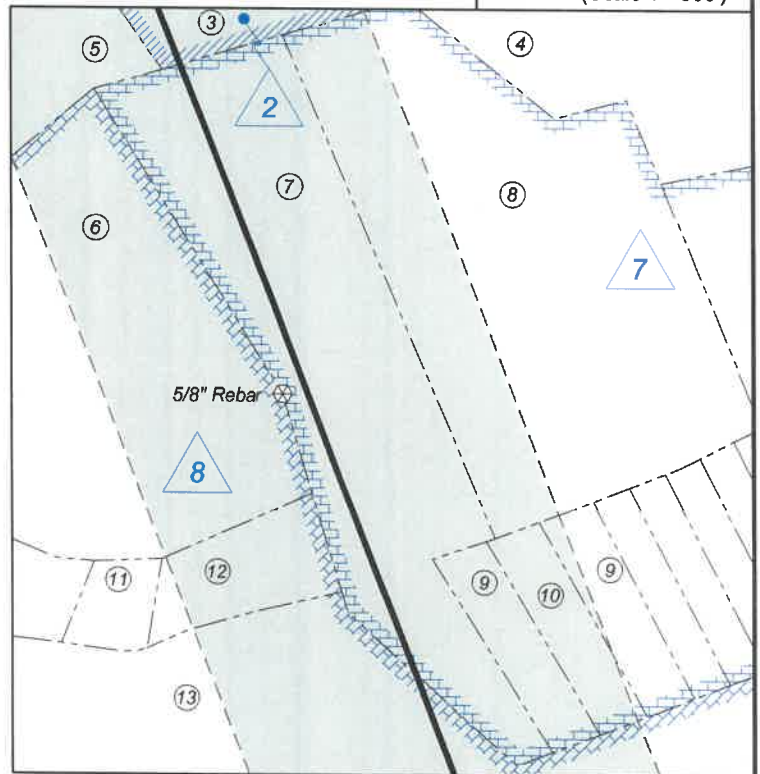
ID	Lease
2	A.J. Smith, et ux
3	Dora B. McWhorter, et al
7	John T. Freeman
8	Walter Neely, et al
23	J.W. Jackson
24.2	Christine J. White, et al
25	Nathan McWhorter, et al
35	Mike Ross Inc., et al
36	Garnett M. Corley
37	Isaac Jackson
38	Hugh Davis, et al
45	A.L. Waggoner, et al

Tag	Bearing	Dist.
L1	S 01°12' E	1,499.7'
L2	S 17°56' W	1,603.5'
L3	S 75°09' W	2,189.1'
L4	N 74°41' W	1,016.8'

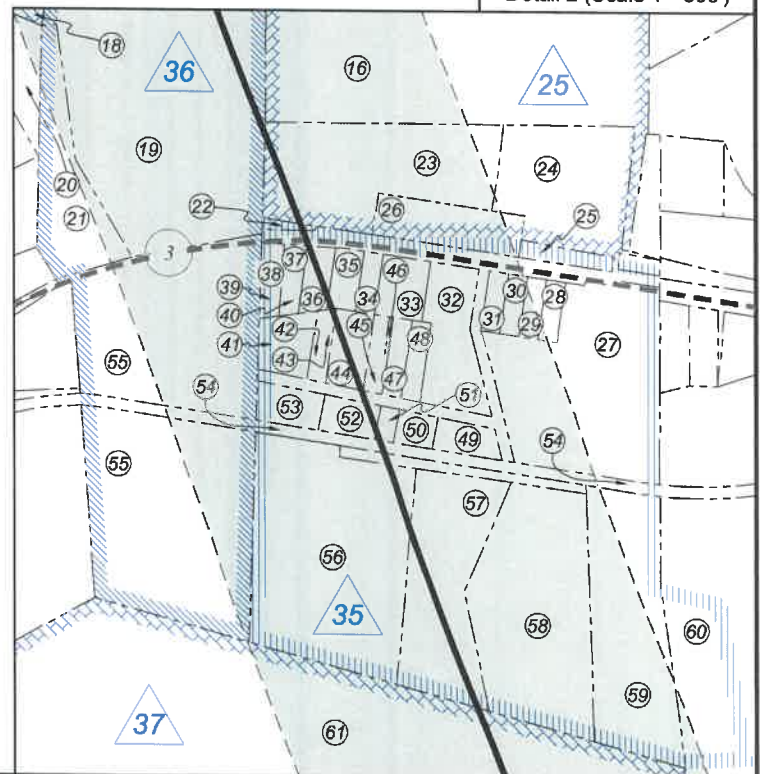
LONGITUDE 80 - 22 - 30
4,855' to Bottom Hole
5,594' to Top Hole



Detail 1 (Scale 1"=500')



Detail 2 (Scale 1"=500')



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 / 11	Lisa M. Nutter	W188 / 687	75.50
6	445 / 23	Robert Allman, et al	W177 / 231	32.84
7	445 / 24	Garrett Wyne Snow	W186 / 1160	16.28
8	445 / 25	Leland Jackson Freeman	W167 / 371	21.00
9	445 / 35	James L. Sellers, III	1606 / 126	3.82
10	445 / 35.1	James L. Sellers, III	1606 / 126	1.85
11	445 / 23.3	Daryl W. & Cheryl Lantz	1411 / 900	1.06
12	445 / 23.1	Daryl W. & Cheryl Lantz	1411 / 900	2.50
13	445 / 46	James W. Riffle, II, et al	1385 / 259	140.43
14	445 / 47	Franklin L. & Charles R. Sutton	--- / ---	78.00
15	465 / 4.1	J. Gregory & Rebecca Moore	1421 / 350	353.80
16	465 / 11	Catherine D. Weber	1495 / 458	103.72
17	465 / --	Unknown Parcel	--- / ---	16.52

Lewis Co. - Hackers Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
18	8C / 55	William C. White	W23 / 102	92.02
19	8C / 57	Mary V. Corley Ward	581 / 453	29.28
20	8C / 56	Esther M. Riffle	347 / 76	23.12
21	8C / 57.2	Eathan S. Wamsley, et al	581 / 291	1.72
22	6 / 6	JSB Land Holding	684 / 440	0.07
23	6 / 1	Willard J. Prince	W22 / 109	4.75
24	6 / 2	Willard J. Prince	W22 / 109	1.22
25	6 / 2.2	Willard J. Prince	--- / ---	0.25
26	6 / 2.1	JSB Land Holding	684 / 432	0.97
27	6 / 16	Floyd S. Woodyard, Jr., et al	W6 / 138	4.00
28	6 / 15	Daniel R. & Rochelle L. Hinkle	732 / 6	0.18
29	6 / 14	Daniel R. & Rochelle L. Hinkle	732 / 6	0.18
30	6 / 13	Jackie Lee Frazier	244 / 399	0.18
31	6 / 12	Elizabeth Sue Vincent	W20 / 414	0.18
32	6 / 27	Michael A. & Carrie B. Grilli	716 / 569	0.27
33	6 / 10	Melissa C. Reel	724 / 574	0.46
34	6 / 9.1	Leonard M. Minigh	622 / 557	0.20
35	6 / 9.2	Leonard M. Minigh	622 / 557	0.30
36	6 / 9	Elizabeth D. Ocheltree	529 / 721	0.25
37	6 / 8.1	Elizabeth D. Ocheltree	529 / 721	0.15
38	6 / 7.1	Elizabeth D. Ocheltree	529 / 721	0.19
39	6 / 7	Ezra J. & Mary T. Waugh	362 / 599	0.48
40	6 / 8	Ezra J. & Mary T. Waugh	362 / 599	0.35
41	6 / 22	Ezra J. & Mary T. Waugh	362 / 599	0.31
42	6 / 21	Ezra J. & Mary T. Waugh	362 / 599	0.10
43	6 / 21.1	Leonard M. Minigh	622 / 557	0.11
44	6 / 20	Leonard M. Minigh	622 / 557	0.46
45	6 / 19.1	Christa A. Hendricks	584 / 707	0.17
46	6 / 18	Melissa C. Reel	724 / 574	0.02
47	6 / 19	Maggie U. Williams	W13 / 686	0.24
48	6 / 17	Maggie U. Williams	W13 / 686	0.25
49	6 / 27	Michael A. & Carrie B. Grilli	716 / 569	0.27
50	6 / 26	Maggie U. Williams	W13 / 686	0.22
51	6 / 25.1	Leonard M. Minigh	622 / 557	0.11
52	6 / 24	Leonard M. Minigh	622 / 557	0.23
53	6 / 23	Allan L. & Karen L. Osbourn	508 / 115	0.28
54	6 / 87	Mike Ross Inc.	531 / 303	14.27
55	8C / 57.1	Jack L. Frazier	524 / 498	13.50
56	6 / 29	Ronzel C. & Sandra K. Richards	333 / 347	5.20
57	6 / 30	William W. Booth	W15 / 229	2.50
58	6 / 31	Steven L. & Anna M. Butcher	543 / 765	4.00
59	6 / 32	Ronzel C. & Sandra K. Butcher	317 / 331	4.00
60	9C / 7	Sharon Lee Alman	W47 / 298	74.55
61	8C / 58	William C. White	W23 / 102	126.18
62	8C / 59	James E. & Louise K. Dyer	551 / 372	54.62
63	9C / 13	Hunter Kolb	567 / 765	1.07
64	8C / 73	Rose A. & John H. Kolb	W17 / 496	6.50

FILE NO: 296-36-G-18

DRAWING NO: Neel 1207 S-7H 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-7H

API WELL NO

47 - 033 - 05976

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: 89.07 **09/16/2022**

ROYALTY OWNER: Dora B. McWhorter, et al

LEASE NO: _____ ACREAGE: 103.00

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

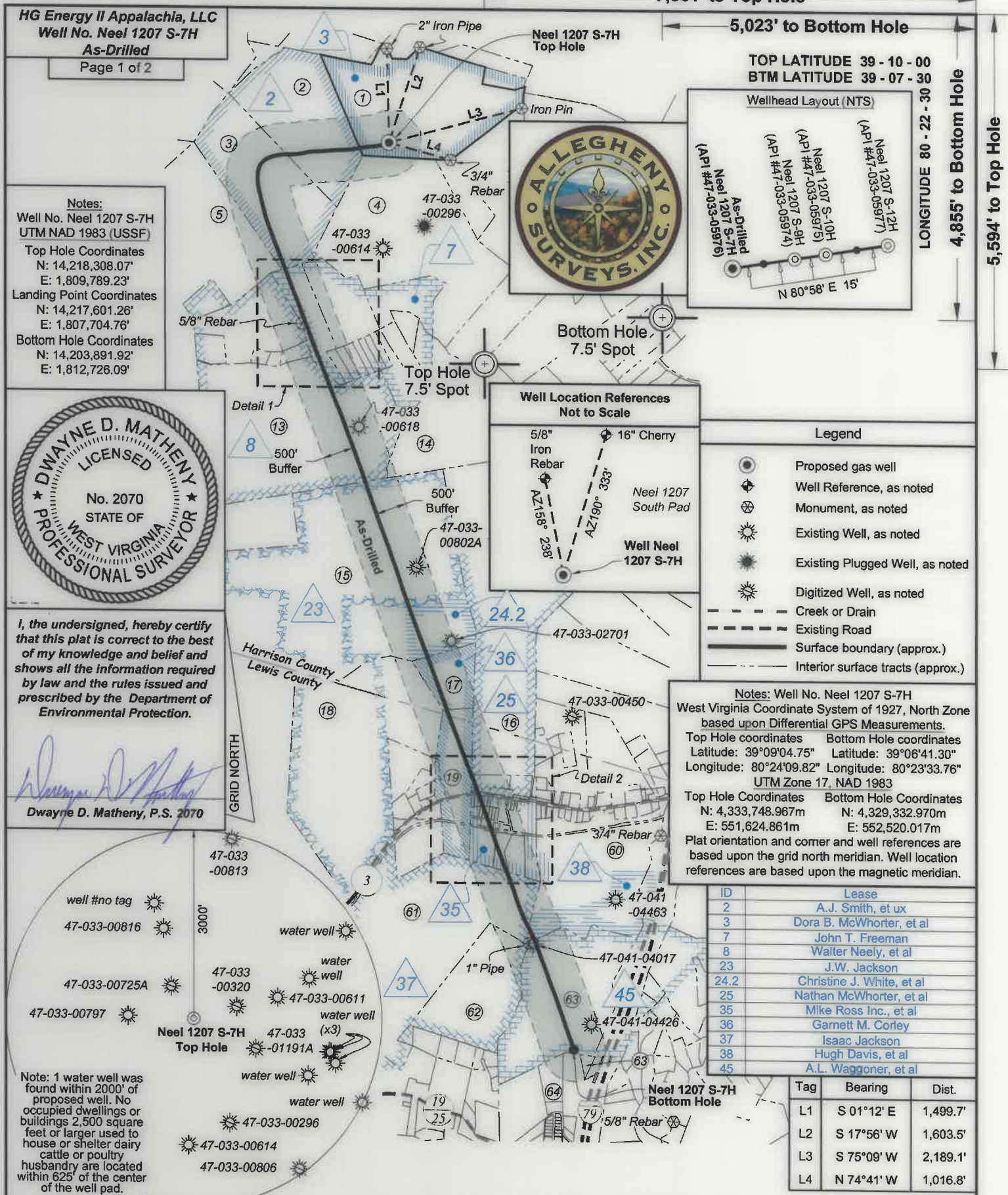
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,216' TVD
22,492' MD

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-7H
 As-Drilled
 Page 1 of 2

Notes:
 Well No. Neel 1207 S-7H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,218,308.07'
 E: 1,809,789.23'
 Landing Point Coordinates
 N: 14,217,601.26'
 E: 1,807,704.76'
 Bottom Hole Coordinates
 N: 14,203,891.92'
 E: 1,812,726.09'



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

Note: 1 water well was found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

FILE NO: 296-36-G-18
 DRAWING NO: Neel 1207 S-7H 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
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 API WELL NO
 47 - 033 - 05976
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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 DISTRICT: Grant
 SURFACE OWNER: HG Energy II Appalachia, LLC
 ROYALTY OWNER: Dora B. McWhorter, et al LEASE NO: ACREAGE: 103.00

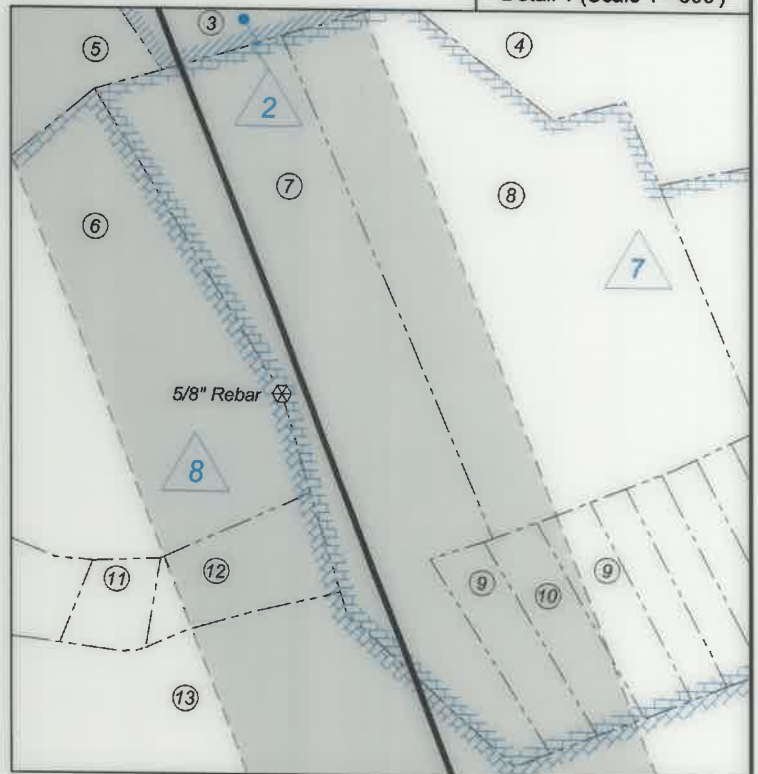
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
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 ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101

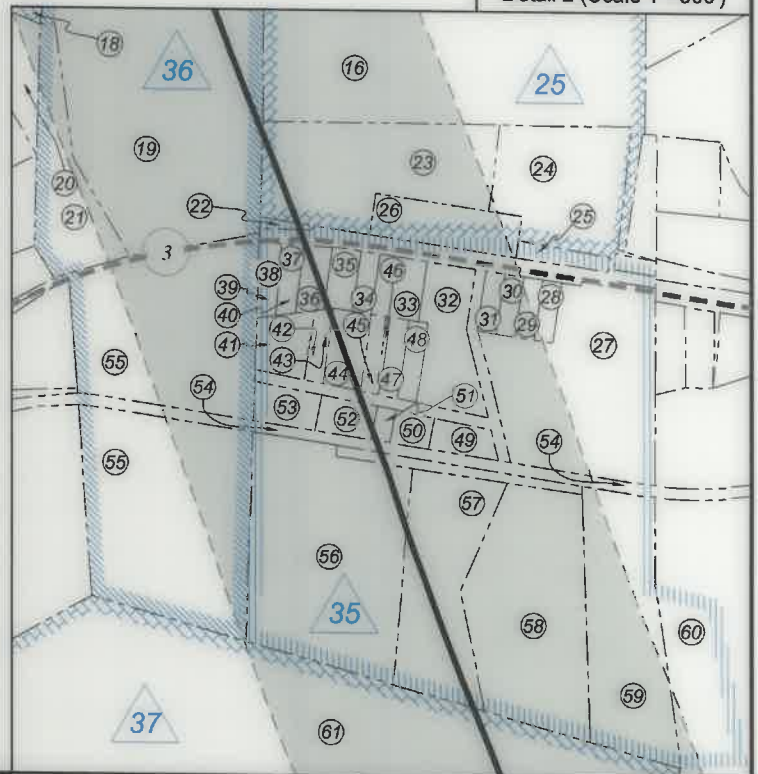
09/16/2022



Detail 1 (Scale 1"=500')



Detail 2 (Scale 1"=500')



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OIL AND GAS DIVISION

DATE: April 7 2021

OPERATOR'S WELL NO. Neel 1207 S-7H

API WELL NO

47 - 033 - 05976
STATE COUNTY PERMIT

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

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SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Dora B. McWhorter, et al

LEASE NO: _____

Top: West Milford
Bottom: Weston
QUADRANGLE: _____

COUNTY: Harrison

ACREAGE: 89.07

09/16/2022

ACREAGE: 103.00

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DESIGNATED AGENT: Diane C. White

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