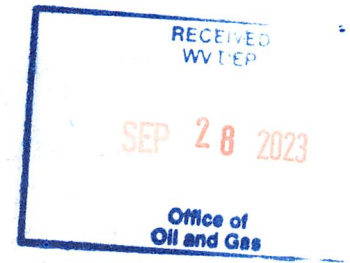


State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work



API 47-033-05978 County Harrison District Grant
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N-1H
Operator (as registered with the OOG) HG Energy II Appalachia, LLC
Address 5260 Dupont Road 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 4334502.495 Easting 553357.817
Landing Point of Curve Northing 4334149.0 Easting 552547.0 *corrected ✓*
Bottom Hole Northing 4338017.557 Easting 551045.133

Elevation (ft) 1350' 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 GLG, safevert WA

Date permit issued 2/07/2020 Date drilling commenced 10/11/2020 Date drilling ceased 7/3/2021
Date completion activities began _____ Date completion activities ceased _____
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 838, 851, 1102 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 60, 544, 850, 1102, 1106 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
05/10/2024

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

RECEIVED
Office Of Oil and Gas

JUN 27 2023

WV Department of
Environmental Protection

API 47-033 - 05978 County Harrison District Grant / Union
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N-1H
Operator (as registered with the OOG) HG Energy II Appalachia, LLC
Address 5260 Dupont Road 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 14220780.27 Easting 1815474.77
Landing Point of Curve Northing 14219619.90 Easting 1812814.32
Bottom Hole Northing 14232312.60 Easting 1807887.24

Elevation (ft) 1350 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 2/07/2020 Date drilling commenced 10/17/2020 Date drilling ceased 3/1/2021
Date completion activities began 4/4/2021 Date completion activities ceased 6/11/2021
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 838, 851, 1102 Open mine(s) (Y/N) depths N
Salt water depth(s) ft N Void(s) encountered (Y/N) depths N
Coal depth(s) ft 60, 544, 850, 1102, 1106 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) _____



Reviewed by:
[Signature]
05/10/2024

API 47- 033 - 05978 Farm name Antonio Well number 1206 N1H

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"	125	New	154.5 lbs/ft		N
Surface	26"	20"	1144	New	94 lbs/ft J-55		No
Coal							
Intermediate 1	17.5"	13.375"	2169	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	3010	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	21870	New	23 lbs/ft P-11		Yes
Tubing							
Packer type and depth set							

Comment Details Surface: Lost circulation 189 bbls into cement job, regained returns at 250 bbls , established returns 150 bbls into displacement then lost at 225 bbls. 500 bbls cement pumped
Land plug 500 PSI over circulating pressure, Hold 1000 PSI for 5 minutes, 2.5 bbls returned to truck floats held. Top grout job performed by SLB 20 bbls (96 sacks) pumped, 50' 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	Not Cemented						
Surface	Class A	2250	15.6	1.18	2655	Surface	8
Coal							
Intermediate 1	Class A	2202/802	16.0/16.4	1.16/1.12	2554/898	Surface	24
Intermediate 2	Class A	922	15.6	1.19	1097	Surface	8
Intermediate 3							
Production	Class A	248/1042/2965	13.5/13.5/14.8	1.82/1.67/1.34	451/1740/3973	Surface	8
Tubing							

Drillers TD (ft) 21901 Loggers TD (ft) _____
Deepest formation penetrated Marcellus Plug back to (ft) _____
Plug back procedure _____

Kick off depth (ft) 7567

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 - 05978 Farm name Antonio Well number 1206 N-1H

PERFORATION RECORD

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

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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

Please insert additional pages as applicable.

API 47- 033 - 05978 Farm name Antonio Well number 1206 N-1H

PRODUCING FORMATION(S)	DEPTHS	
<u>Marcellus</u>	<u>7182 - 7180</u> TVD	<u>8256 - 21901</u> MD
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2298 psi Bottom Hole _____ psi DURATION OF TEST 658 hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
11352 mcfpd _____ bpd _____ bpd 2952 bpd 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>		<u>*See Attached *</u>

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling
Address 2640 Reach Road City Williamsport State PA Zip 17701

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

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

Stimulating Company NexTier
Address 8300 Route 19 North 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 June 3, 2022

HG Energy II Appalachia, LLC

Antonio 1206 N-1H

Perforation Record

Stage #	Perf Date	Perforation from Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve/1	5/7/2021	21818	21793	N/A	Marcellus
2	5/7/2021	21759	21591	28	Marcellus
3	5/8/2021	21563	21395	28	Marcellus
4	5/8/2021	21367	21199	28	Marcellus
5	5/9/2021	21171	21003	28	Marcellus
6	5/9/2021	20975	20807	28	Marcellus
7	5/9/2021	20779	20611	28	Marcellus
8	5/9/2021	20583	20415	28	Marcellus
9	5/10/2021	20387	20219	28	Marcellus
10	5/10/2021	20191	20023	28	Marcellus
11	5/10/2021	19995	19827	28	Marcellus
12	5/10/2021	19799	19631	28	Marcellus
13	5/11/2021	19603	19435	28	Marcellus
14	5/11/2021	19407	19239	28	Marcellus
15	5/11/2021	19211	19043	28	Marcellus
16	5/11/2021	19015	18847	28	Marcellus
17	5/12/2021	18819	18651	28	Marcellus
18	5/12/2021	18623	18455	28	Marcellus
19	5/12/2021	18427	18259	28	Marcellus
20	5/13/2021	18231	18063	28	Marcellus
21	5/13/2021	18035	17867	28	Marcellus
22	5/13/2021	17839	17671	28	Marcellus
23	5/13/2021	17643	17475	28	Marcellus
24	5/13/2021	17447	17279	28	Marcellus
25	5/14/2021	17251	17083	28	Marcellus
26	5/14/2021	17055	16887	28	Marcellus
27	5/14/2021	16859	16691	28	Marcellus
28	5/15/2021	16663	16495	28	Marcellus
29	5/15/2021	16467	16299	28	Marcellus
30	5/15/2021	16271	16103	28	Marcellus
31	5/16/2021	16075	15907	28	Marcellus
32	5/16/2021	15879	15711	28	Marcellus
33	5/16/2021	15683	15515	28	Marcellus
34	5/17/2021	15487	15319	28	Marcellus
35	5/17/2021	15291	15123	28	Marcellus
36	5/18/2021	15095	14927	28	Marcellus
37	5/18/2021	14899	14731	28	Marcellus
38	5/19/2021	14703	14535	28	Marcellus
39	5/19/2021	14507	14339	28	Marcellus
40	5/19/2021	14311	14143	28	Marcellus
41	5/20/2021	14115	13947	28	Marcellus
42	5/20/2021	13919	13751	28	Marcellus
43	5/20/2021	13723	13555	28	Marcellus
44	5/20/2021	13527	13359	28	Marcellus
45	5/20/2021	13331	13163	28	Marcellus
46	5/21/2021	13135	12967	28	Marcellus
47	5/21/2021	12939	12771	28	Marcellus
48	5/21/2021	12743	12575	28	Marcellus
49	5/21/2021	12547	12379	28	Marcellus
50	5/22/2021	12351	12183	28	Marcellus
51	5/22/2021	12155	11987	28	Marcellus
52	5/22/2021	11959	11791	28	Marcellus
53	5/22/2021	11763	11595	28	Marcellus
54	5/23/2021	11567	11399	28	Marcellus
55	5/23/2021	11371	11203	28	Marcellus
56	5/23/2021	11175	11007	28	Marcellus
57	5/23/2021	10979	10811	28	Marcellus
58	5/23/2021	10783	10615	28	Marcellus
59	5/24/2021	10587	10419	28	Marcellus
60	5/24/2021	10392	10224	28	Marcellus
61	5/24/2021	10198	10030	28	Marcellus
62	5/24/2021	10004	9836	28	Marcellus
63	5/25/2021	9810	9642	28	Marcellus
64	5/25/2021	9616	9448	28	Marcellus
65	5/25/2021	9422	9254	28	Marcellus
66	5/25/2021	9228	9060	28	Marcellus
67	5/26/2021	9034	8866	28	Marcellus
68	5/26/2021	8840	8672	28	Marcellus
69	5/26/2021	8646	8478	28	Marcellus
70	5/26/2021	8452	8284	28	Marcellus

05/10/2024

HG Energy II Appalachia, LLC
Antonio 1206 N-1H
Stimulation Record

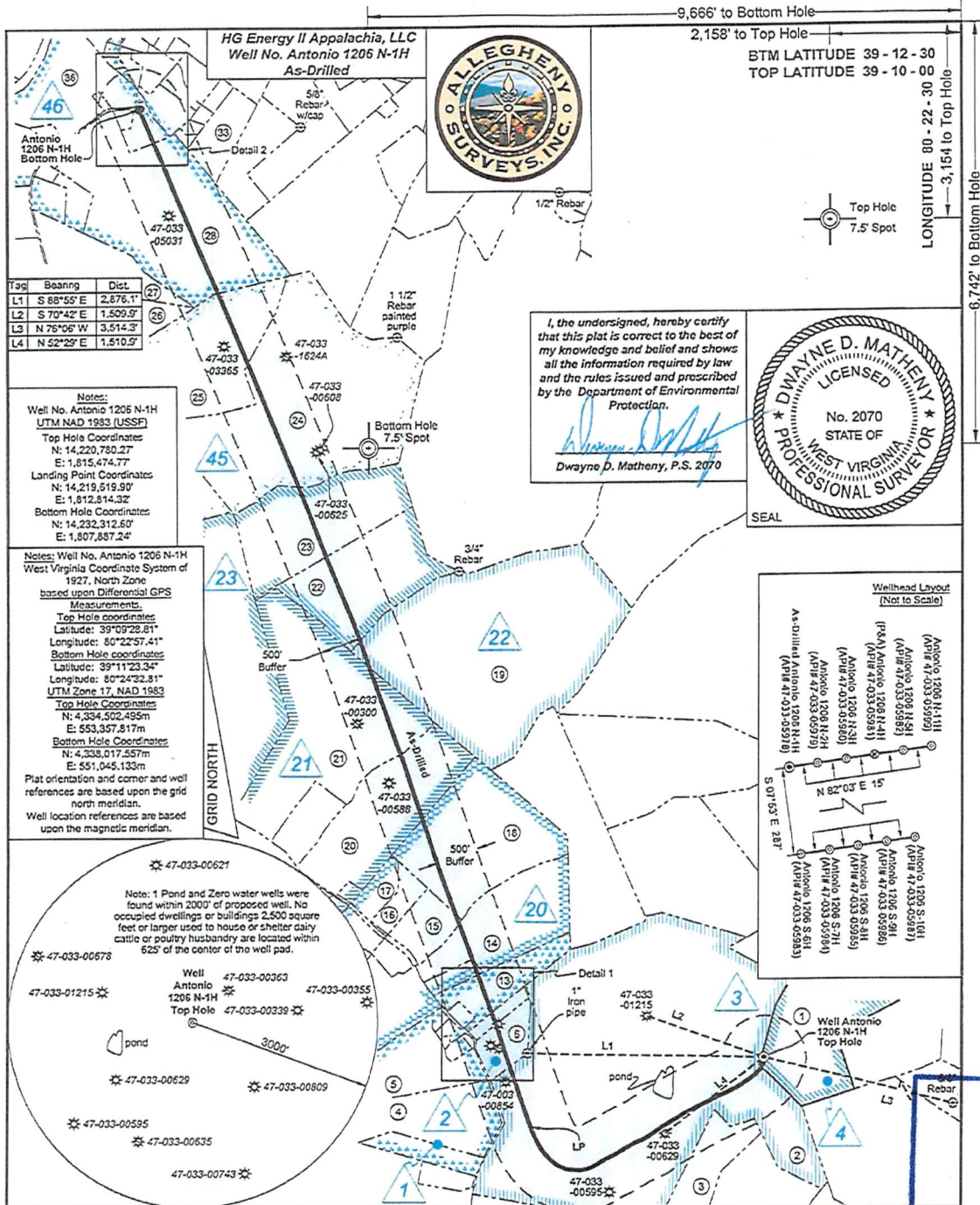
Stage #	Date	Average Pump Rate (BPM)	Average Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	5/7/2021	83.0	9594	12739	3817	270000	7,220
2	5/7/2021	84.0	9,455	6,167	4,526	600500	13,903
3	5/8/2021	84.0	9,673	7,055	4,880	700100	14,737
4	5/8/2021	87.0	9,734	6,630	4,893	702500	13,464
5	5/9/2021	93.0	9,964	6,883	4,975	702450	13,701
6	5/9/2021	89.0	9,791	6,562	4,447	702400	12,817
7	5/9/2021	90.0	9,780	5,650	5,447	702500	13,408
8	5/9/2021	89.0	9,965	6,041	5,019	705060	11,701
9	5/10/2021	91.0	9,892	6,341	4,789	705400	11,575
10	5/10/2021	87.0	9,890	4,859	5,027	705500	9,751
11	5/10/2021	88.0	9,621	6,346	5,142	705500	9,872
12	5/10/2021	95.0	10,206	6,399	5,260	705600	10,104
13	5/11/2021	95.0	10,152	6,487	6,090	705480	10,072
14	5/11/2021	93.0	10,092	6,067	5,585	705500	9,832
15	5/11/2021	94.0	10,145	6,102	6,008	705500	9,845
16	5/11/2021	94.0	10,264	6,415	5,479	704960	10,475
17	5/12/2021	96.0	10,360	6,246	6,202	704980	10,359
18	5/12/2021	93.3	10,403	6,340	5,443	705600	9,678
19	5/12/2021	94.6	10,329	5,730	5,478	540100	10,189
20	5/13/2021	99.6	10,409	6,349	4,957	705540	9,622
21	5/13/2021	101.7	10,508	6,342	5,734	705460	9,627
22	5/13/2021	101.6	10,317	6,167	5,590	705600	9,684
23	5/13/2021	101.2	10,357	5,010	5,743	705500	9,746
24	5/13/2021	104.5	10,424	5,802	5,187	705520	9,733
25	5/14/2021	106.5	10,455	5,557	5,529	680050	9,501
26	5/14/2021	100.6	10,329	6,284	6,514	680100	9,438
27	5/14/2021	101.1	9,949	6,023	5,391	680060	9,432
28	5/15/2021	107.1	10,280	6,032	5,163	680060	9,599
29	5/15/2021	106.1	10,061	5,625	5,306	680000	9,485
30	5/15/2021	108.8	10,079	6,015	5,090	680040	9,543
31	5/16/2021	103.5	9,949	5,268	5,107	680100	9,570
32	5/16/2021	101.2	9,853	5,805	4,957	680000	9,457
33	5/16/2021	103.8	10,023	5,201	4,845	680030	10,173
34	5/17/2021	102.4	10,093	5,317	5,257	680200	9,530
35	5/17/2021	109.0	9,661	4,264	4,355	576220	10,495
36	5/18/2021	107.4	9,764	4,196	4,492	573500	9,532
37	5/18/2021	106.2	10,150	4,823	4,773	680000	9,476
38	5/19/2021	107.3	10,246	6,063	5,586	680000	9,598
39	5/19/2021	103.4	10,056	5,073	5,569	680000	9,410
40	5/19/2021	103.9	10,033	3,342	5,095	680080	9,627
41	5/20/2021	108.0	10,002	5,799	5,303	680000	9,360
42	5/20/2021	108.1	10,101	6,020	5,136	681000	9,476
43	5/20/2021	106.6	10,071	5,927	5,438	681000	9,410
44	5/20/2021	107.4	9,956	6,003	5,321	680000	9,445
45	5/20/2021	108.0	9,983	5,831	4,727	680000	9,454
46	5/21/2021	109.4	9,502	5,328	4,699	680000	9,554
47	5/21/2021	110.0	9,366	5,370	4,884	680000	9,380
48	5/21/2021	108.3	9,528	5,335	5,121	680000	9,336
49	5/21/2021	109.5	9,701	5,747	5,288	680070	9,391
50	5/22/2021	108.5	9,730	5,792	4,861	651800	9,330
51	5/22/2021	108.8	9,015	5,584	4,335	680100	9,480
52	5/22/2021	108.8	9,976	5,677	4,840	680000	9,290
53	5/22/2021	107.2	9,824	5,835	5,453	680040	9,331
54	5/23/2021	105.5	9,369	5,522	5,395	680000	10,485
55	5/23/2021	104.0	9,406	5,980	5,518	680000	9,369
56	5/23/2021	110.0	9,478	6,157	5,825	680050	9,517
57	5/23/2021	108.0	9,731	5,972	5,344	680020	9,421
58	5/23/2021	108.3	9,503	4,742	4,924	680000	9,406
59	5/24/2021	109.0	9,133	6,161	4,954	680080	9,444
60	5/24/2021	109.0	9,606	6,042	5,182	680040	9,447
61	5/24/2021	108.0	9,872	5,779	4,870	680020	9,438
62	5/24/2021	109.2	9,404	6,370	5,036	680000	9,419
63	5/25/2021	100.0	8,771	5,386	5,616	680000	9,426
64	5/25/2021	101.0	9,086	5,462	5,630	635900	9,773
65	5/25/2021	106.0	9,125	6,147	4,884	680050	9,329
66	5/25/2021	105.8	8,884	6,211	4,472	680000	9,378
67	5/26/2021	98.6	8,363	6,019	4,885	680000	9,413
68	5/26/2021	108.0	9,159	6,519	5,409	647460	9,334
69	5/26/2021	101.0	8,287	5,025	5,117	680510	7,242
70	5/26/2021	106.4	8,864	6,419	4,903	526640	5,937

05/10/2024

HG Energy II Appalachia, LLC
Antonio 1206 N-1H
Lithology Report

Formation	Top Depth TMD	Top Depth TVD	Bottom Depth TMD	Bottom Depth TVD
Coal	70	70	72	72
Coal	554	554	556	556
Big Dunkard	610	610	700	700
Coal	838	838	851	851
1st Salt Sand	904	904	1004	1004
2nd Salt Sand	1119	1119	1179	1179
Deepest coal	1102	1102	1108	1108
3rd Salt Sand	1212	1212	1262	1262
Upper Maxton	1352	1352	1367	1367
Little Lime	1580	1580	1600	1600
Big Lime	1622	1622	1684	1684
Big Injun	1683	1683	1795	1795
Gantz	2010	2010	2088	2088
50' Sand	2120	2120	2114	2182
30 foot Sand	2209	2209	2238	2238
Gordon Stray	2261	2260	2295	2294
Gordon	2295	2294	2408	2406
4th Sand	2419	2417	2460	2458
4th sand "A"	2474	2472	2492	2490
5th Sand	2550	2548	2564	2562
Upper Speechley	3128	3119	3158	3148
Lower Speechley	3240	3229	3265	3254
Benson	4750	4534	4777	4555
Rhinestreet	6443	5855	7300	6515
Cashaqua	7300	6515	7633	6780
Middlesex	7633	6780	7743	6867
West River	7743	6867	7910	6989
Burket	7910	6989	7972	7030
Tully	7972	7030	8117	7116
Hamilton	8117	7116	8256	7182
Marcellus	8256	7182	21901	7180

05/10/2024



FILE NO: 06-36-12-G-H-19
 DRAWING NO: Antonio 1206 N-1H As-Drilled
 SCALE: 1" = 1500'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: November 16 2022
 OPERATOR'S WELL NO. Antonio 1206 N-1H
 API WELL NO
 47 - 033 - 05978
 STATE COUNTY PERMIT

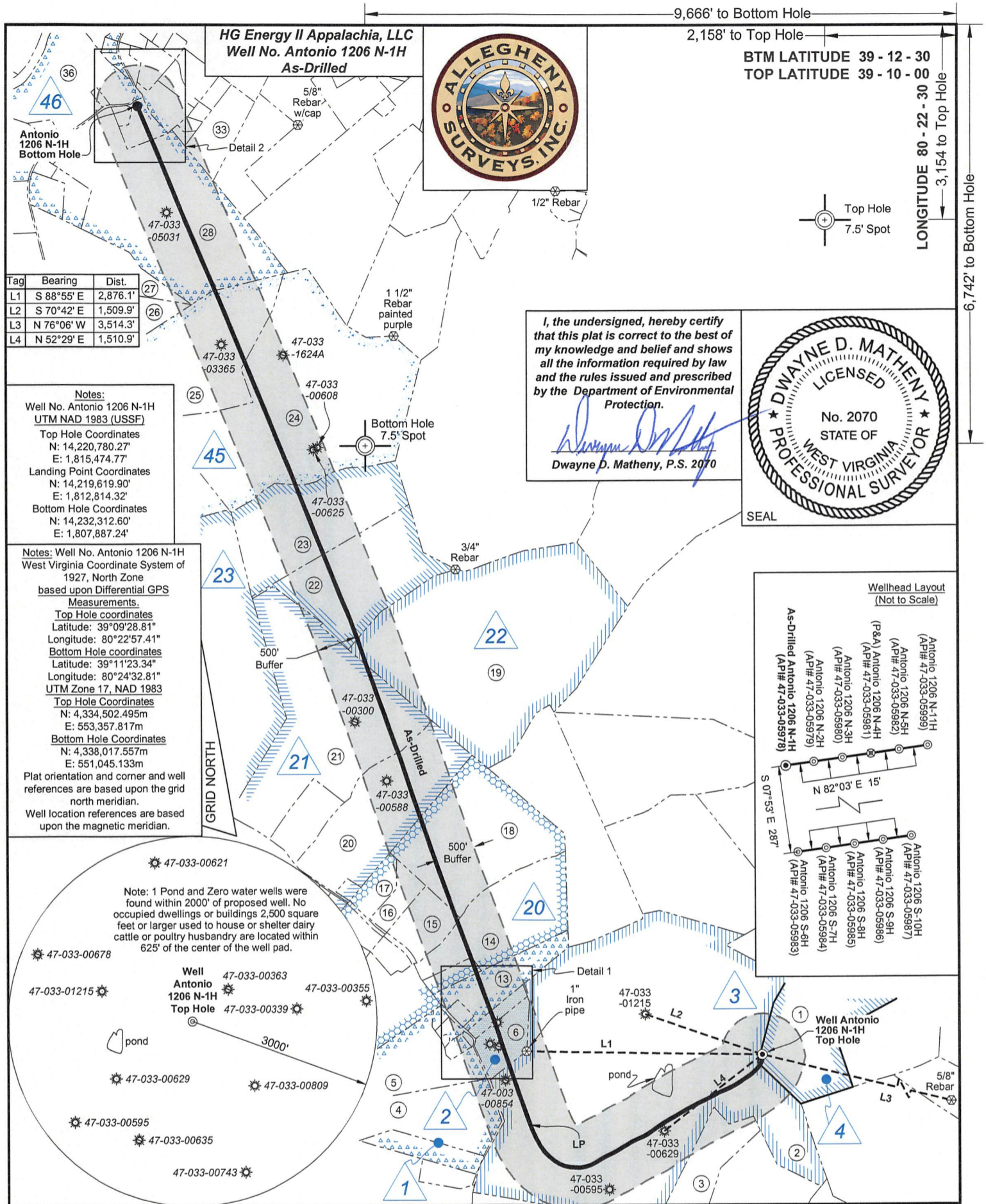
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,350' WATERSHED: Middle West Fork Creek QUADRANGLE: West Milford
 DISTRICT: Grant COUNTY: Harrison
 SURFACE OWNER: Charles R. & Franklin L. Sutton ACREAGE: 30.00
 ROYALTY OWNER: Charles R. Sutton LEASE NO: ACREAGE: 30.00
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 8,256' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,901' 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

RECEIVED
 WV DEP
 SEP 28 2023
 Office of
 Oil and Gas

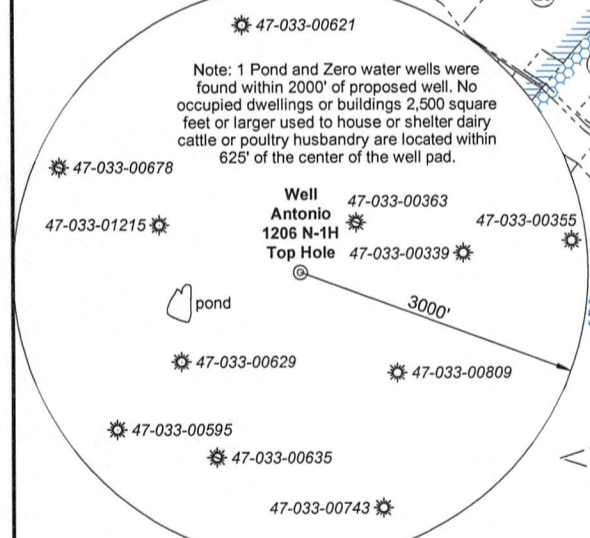
05/10/2024



Tag	Bearing	Dist.
L1	S 88°55' E	2,876.1'
L2	S 70°42' E	1,509.9'
L3	N 76°06' W	3,514.3'
L4	N 52°29' E	1,510.9'

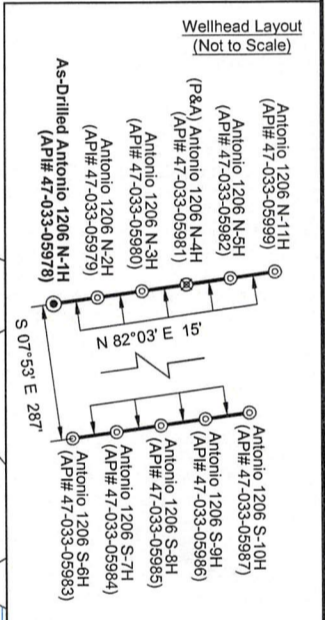
Notes:
 Well No. Antonio 1206 N-1H
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 E: 1,815,474.77"
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 Bottom Hole Coordinates
 N: 4,338,017.557m
 E: 551,045.133m
 Plat orientation and corner and well
 references are based upon the grid
 north meridian.
 Well location references are based
 upon the magnetic meridian.



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: 06-36-12-G-H-19
 DRAWING NO: Antonio 1206 N-1H As-Drilled
 SCALE: 1" = 1500'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

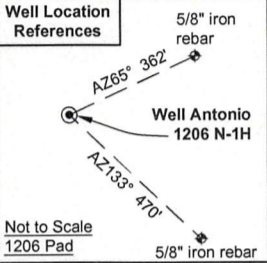
DATE: November 16 2021
 OPERATOR'S WELL NO. Antonio 1206 N-1H
 API WELL NO
 47 - 033 - 05978
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,350' WATERSHED: Middle West Fork Creek
 DISTRICT: Grant
 SURFACE OWNER: Charles R. & Franklin L. Sutton
 ROYALTY OWNER: Charles R. Sutton LEASE NO: ACREAGE: 30.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 8,256' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,901' 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

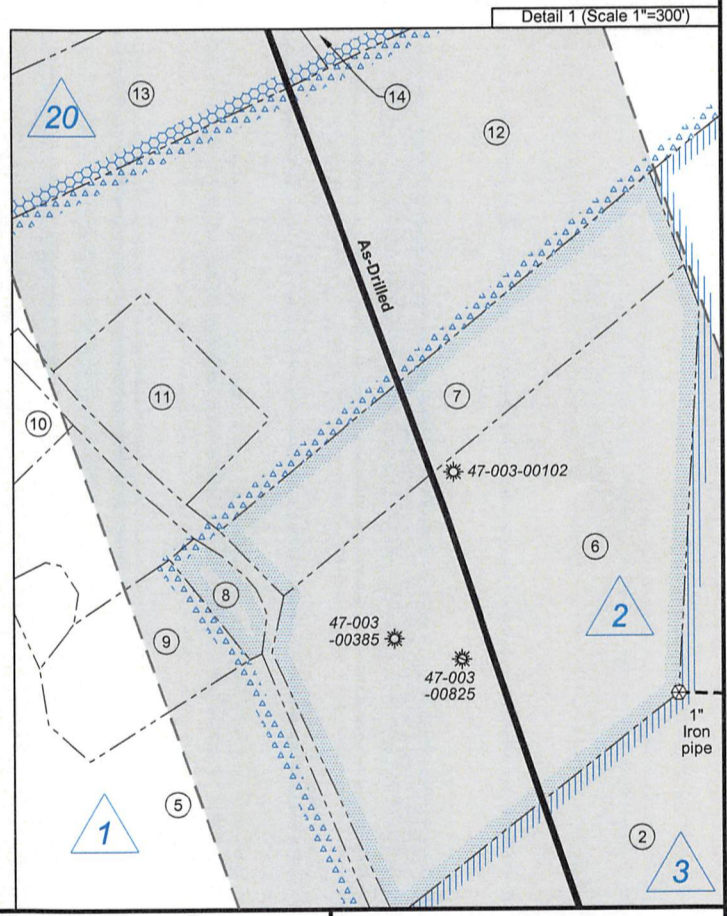
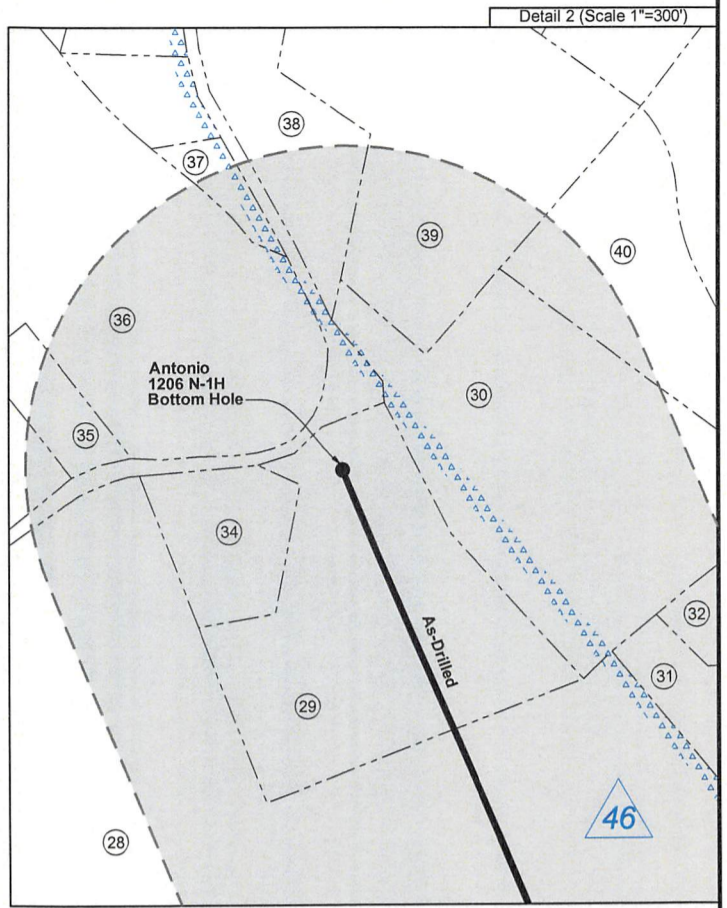


Legend

- ⊙ 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.)

ID	Lease
1	A.C. Thrasher, et al
2	Hiram E. Edmonds, et al
3	C. Earl Snider, et al
4	Alton Bell, et al
20	Mae Gaston, et al
21	Charles H. Gaston, et al
22	Rachel S. Hershey, et al
23	Rachel S. Hershey, et al
45	Robert & Betty Stevenson, et al
46	Roscoe Allman, et ux

No.	TM / Par	Owner	Bk / Pg	Ac.
1	426 / 72	Charles R. & Franklin L. Sutton	1301 / 98	30.00
2	426 / 71	Antonio P. LLC	1503 / 291	233.35
3	446 / 1	Antonio P. LLC	1503 / 291	24.10
4	425 / 30.1	James W. & Susan A. Freeman	1139 / 386	30.00
5	425 / 30	Earl H. & Melissa J. Graham	1337 / 366	21.39
6	425 / 23.6	Joshua D. Messenger, et ux	1425 / 1133	8.50
7	425 / 23	George P. Koutsobaris, et ux	1452 / 1135	2.76
8	425 / 23.5	Rhonda R. & George P. Koutsobaris	1411 / 1231	0.29
9	425 / 23.3	Rhonda R. & George P. Koutsobaris	1420 / 93	0.54
10	425 / 23.4	Marlene & Robert V. Shepherd	1201 / 12	0.80
11	425 / 22	Duck Creek Mission Church Trust	1024 / 964	0.912
12	425 / 21	Judith H. Russell	1212 / 1074	15.26
13	425 / 20	Jeffery L. & Parry S. Harvey	1394 / 607	3.00
14	425 / 19	Antonio P. LLC	1503 / 291	31.00
15	425 / 10	Joy L. Jarrett	1272 / 348	9.60
16	425 / 11.1	Linda Snyder	1124 / 768	5.12
17	425 / 11	Linda Snyder	1124 / 768	6.29
18	425 / 18	Antonio P. LLC	1503 / 291	46.00
19	425 / 16	Antonio P. LLC	1503 / 291	122.25
20	425 / 12	Antonio P. LLC	1503 / 291	42.30
21	425 / 14	WVDNR	W85 / 624	73.60
22	425 / 15	WVDNR	W85 / 624	40.85
23	405 / 81	WVDNR	W85 / 624	42.00
24	405 / 74	Mary Lou Smith	W117 / 1179	107.76
25	405 / 73	Mary Lou Smith	W117 / 1179	45.00
26	405 / 62.2	Danny Joe Miller	1521 / 1108	9.93
27	405 / 62	Richard Ward, et al	1809 / 706	56.18
28	405 / 63.8	Kimberly K. & John T. Lough	1518 / 822	80.25
29	405 / 63.4	Kimberly K. & John T. Lough	1518 / 822	5.27
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36	405 / 63	Larry D. Myers Revocable Trust	W191 / 1279	32.60
37	405 / 35.2	Joseph R. & Tammy A. Romano	1192 / 512	1.00
38	405 / 38	Mary Huff	1143 / 1013	1.92
39	405 / 39	Barbara J. Campbell	W160 / 998	3.98
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FILE NO: 06-36-12-G-H-19
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SCALE: 1" = 1500'
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PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

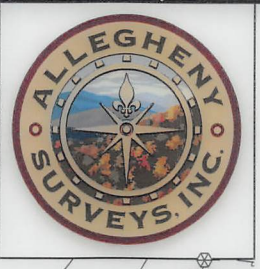
DATE: November 16 20 21
OPERATOR'S WELL NO. Antonio 1206 N-1H
API WELL NO
47 — 033 — 05978
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,350' WATERSHED: Middle West Fork Creek QUADRANGLE: West Milford
DISTRICT: Grant COUNTY: 0516/2024
SURFACE OWNER: Charles R. & Franklin L. Sutton ACREAGE: 30.00
ROYALTY OWNER: Charles R. Sutton LEASE NO: ACREAGE: 30.00
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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

HG Energy II Appalachia, LLC
Well No. Antonio 1206 N-1H
As-Drilled



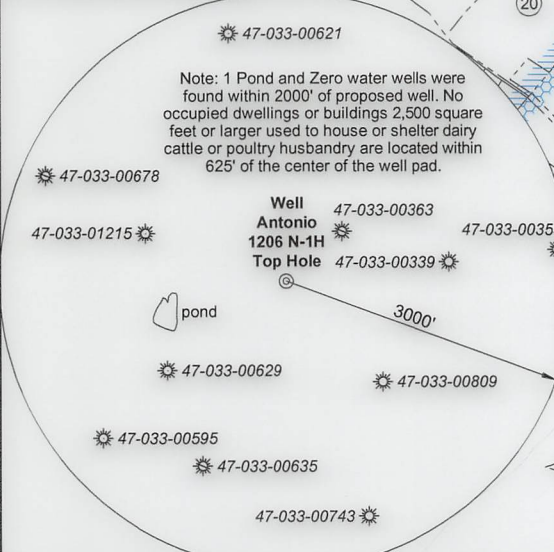
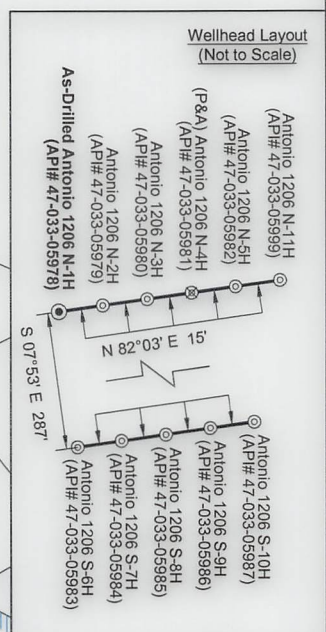
9,666' to Bottom Hole
 2,158' to Top Hole
BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00
LONGITUDE 80 - 22 - 30
 3,154' to Top Hole
 6,742' to Bottom Hole

Tag	Bearing	Dist.
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*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
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 Dwayne D. Matheny, P.S. 2070



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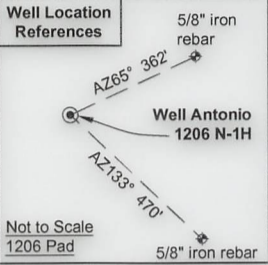
STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

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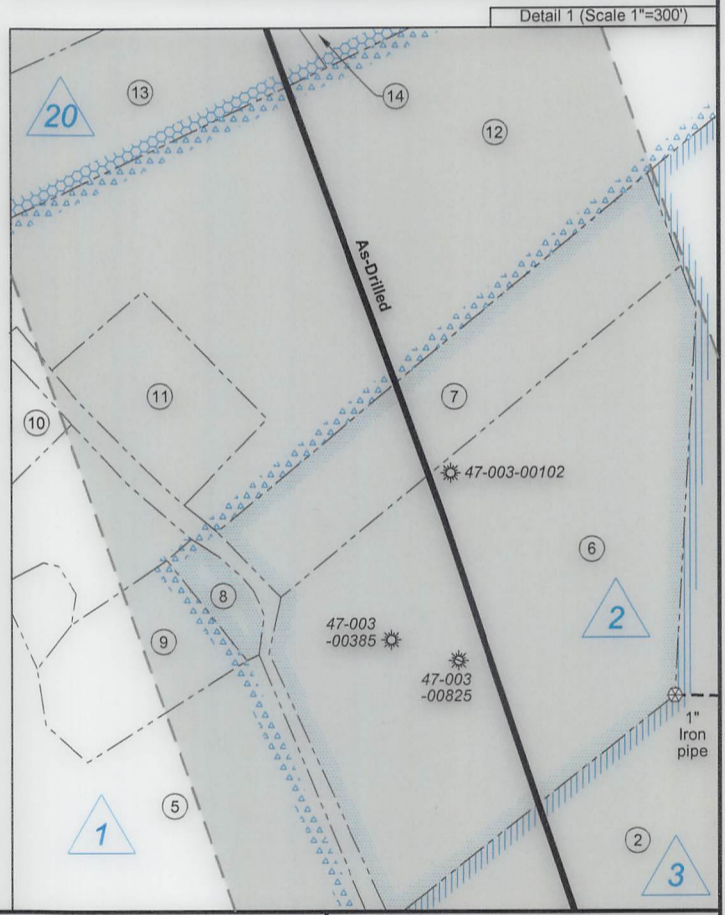
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
 ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101 Parkersburg, WV 26101



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