

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

API 47-033-05999 County Harrison District Grant
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N-11H
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 4334505.665 Easting 553380.457
Landing Point of Curve Northing 4334608.00 Easting 553811.00
Bottom Hole Northing 4337748.091 Easting 552711.085

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

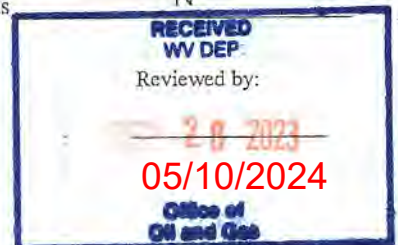
Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

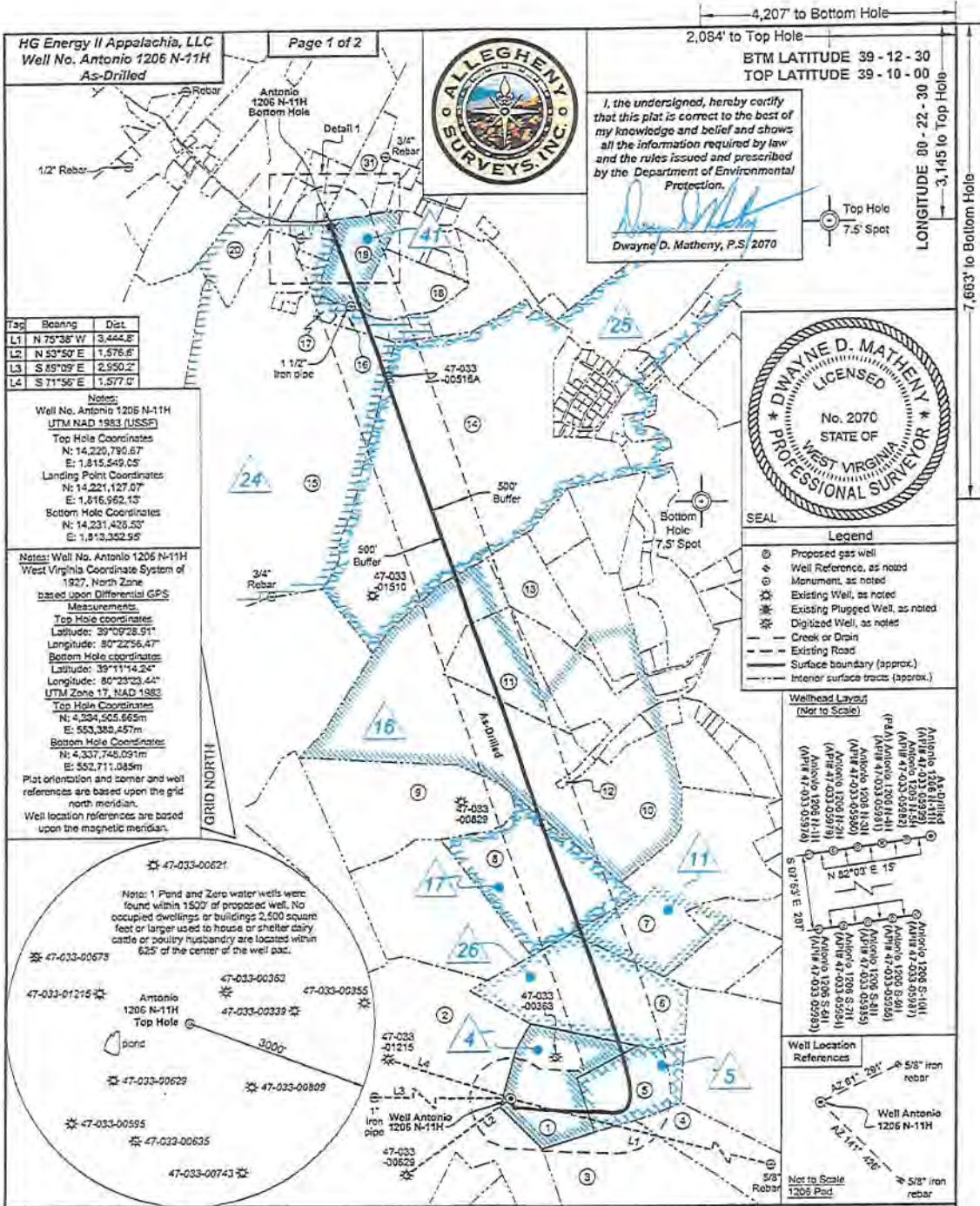
Mud Type(s) and Additive(s)
Air/OBM
KCL, Barite, Lime, CaCl, base oil, clay, sulfatone, safevert GLG, safevert WA

Date permit issued 3/09/2020 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





FILE NO: D6-36-12-G-H-19
 DRAWING NO: Antonio 1206 N-11H 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: December 6 2021
 OPERATOR'S WELL NO. Antonio 1206 N-11H
 API WELL NO
 47 - 033 - 05999
 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 QUADRANGLE: West Milford
 SURFACE OWNER: Charles R. & Franklin L. Sutton COUNTY: Harrison
 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) 7.726' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,690 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
 20 2023
 05/10/2024

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

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Office Of Oil and Gas

JUN 27 2023

WV Department of
Environmental Protection

API 47 - 033 - 05999 County Harrison District Grant Union
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N11H
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 14220790.67 Easting 1815549.05
Landing Point of Curve Northing 14221127.07 Easting 1816962.13
Bottom Hole Northing 14231428.53 Easting 1813352.95

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 12/09/2020 Date drilling commenced 12/12/2020 Date drilling ceased 3/24/2021
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/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: [Signature]
05/10/2024

API 47-033-05999 Farm name Antonio Well number 1206 N11H

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"	1138	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2176	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	3004	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5"	5.5"	18665	New	23 lbs/ft P-11		Yes
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Not Cemented						
Surface	Class A	2360	15.6	1.18	2785	Surface	8
Coal							
Intermediate 1	Class A	2238/1981	16.0/16.4	1.16/1.10	2596/2179	Surface	24
Intermediate 2	Class A	922	15.6	1.19	1097	Surface	8
Intermediate 3							
Production	Class A	309/688/325/2208	13.5/13.5/14.8/14.8	1.82/1.67/1.46/1.34	562/1149/475/2959	Surface	8
Tubing							

Drillers TD (ft) ¹⁸⁶⁹⁰ _____ Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁶⁹⁶³ _____

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 - 05999 Farm name Antonio Well number 1206 N11H

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.

HG Energy II Appalachia, LLC

Antonio 1206 N-11H

Perforation Record

Stage #	Perforation Date	Perforations from depth	Perforations to Depth	Number of Perforations	Formation
Sleeve/1	4/16/2021	18613	18589	N/A	Marcellus
2	4/16/2021	18555	18387	28	Marcellus
3	4/17/2021	18359	18191	28	Marcellus
4	4/17/2021	18163	17995	28	Marcellus
5	4/18/2021	17968	17800	28	Marcellus
6	4/18/2021	17774	17606	28	Marcellus
7	4/19/2021	17580	17412	28	Marcellus
8	4/19/2021	17386	17218	28	Marcellus
9	4/20/2021	17192	17024	28	Marcellus
10	4/21/2021	16998	16830	28	Marcellus
11	4/21/2021	16804	16636	28	Marcellus
12	4/21/2021	16610	16442	28	Marcellus
13	4/22/2021	16416	16248	28	Marcellus
14	4/22/2021	16222	16054	28	Marcellus
15	4/23/2021	16028	15860	28	Marcellus
16	4/23/2021	15834	15666	28	Marcellus
17	4/24/2021	15640	15472	28	Marcellus
18	4/24/2021	15446	15278	28	Marcellus
19	4/24/2021	15252	15084	28	Marcellus
20	4/25/2021	15058	14890	28	Marcellus
21	4/25/2021	14864	14696	28	Marcellus
22	4/26/2021	14670	14502	28	Marcellus
23	4/27/2021	14476	14308	28	Marcellus
24	4/27/2021	14282	14114	28	Marcellus
25	4/28/2021	14088	13920	28	Marcellus
26	4/28/2021	13894	13726	28	Marcellus
27	4/28/2021	13700	13532	28	Marcellus
28	4/29/2021	13506	13338	28	Marcellus
29	4/29/2021	13312	13144	28	Marcellus
30	4/29/2021	13118	12950	28	Marcellus
31	4/29/2021	12924	12756	28	Marcellus
32	4/30/2021	12730	12562	28	Marcellus
33	4/30/2021	12536	12368	28	Marcellus
34	4/30/2021	12342	12174	28	Marcellus
35	4/30/2021	12148	11980	28	Marcellus
36	4/30/2021	11954	11786	28	Marcellus
37	5/1/2021	11760	11592	28	Marcellus
38	5/1/2021	11566	11398	28	Marcellus
39	5/1/2021	11372	11204	28	Marcellus
40	5/1/2021	11178	11010	28	Marcellus
41	5/2/2021	10984	10816	28	Marcellus
42	5/2/2021	10790	10622	28	Marcellus
43	5/2/2021	10596	10428	28	Marcellus
44	5/2/2021	10402	10234	28	Marcellus
45	5/2/2021	10208	10040	28	Marcellus
46	5/3/2021	10014	9846	28	Marcellus
47	5/3/2021	9820	9652	28	Marcellus
48	5/3/2021	9626	9458	28	Marcellus
49	5/3/2021	9432	9264	28	Marcellus
50	5/4/2021	9238	9070	28	Marcellus
51	5/4/2021	9044	8876	28	Marcellus
52	5/4/2021	8850	8682	28	Marcellus
53	5/4/2021	8656	8488	28	Marcellus
54	5/5/2021	8462	8294	28	Marcellus
55	5/5/2021	8268	8100	28	Marcellus
56	5/5/2021	8074	7906	28	Marcellus
57	5/5/2021	7880	7740	24	Marcellus

05/10/2024

HG Energy II Appalachia, LLC

Antonio 1206 N-11H

Stimulation Record

Stage #	Date	Average Pump Rate (BPM)	Average Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	4/16/2021	78.0	8450	12383	3830	270200	7,159
2	4/16/2021	95.0	9,549	6,369	4,135	700440	14,450
3	4/17/2021	95.4	9,462	5,962	3,341	700120	15,474
4	4/17/2021	99.2	9,358	6,288	4,021	700100	12,600
5	4/18/2021	86.4	9,953	6,172	4,562	702720	12,367
6	4/18/2021	85.0	9,941	6,671	5,000	700400	11,725
7	4/19/2021	93.3	9,948	6,869	4,965	705680	11,171
8	4/19/2021	95.0	9,873	6,706	5,590	700000	10,595
9	4/20/2021	85.2	9,847	6,770	4,440	704600	11,068
10	4/21/2021	91.7	9,809	4,374	5,296	700000	9,703
11	4/21/2021	85.7	9,838	6,583	5,856	694100	11,876
12	4/21/2021	90.7	9,897	6,840	4,695	705530	9,698
13	4/22/2021	91.3	10,021	6,447	5,423	705180	10,537
14	4/22/2021	98.0	9,821	4,132	6,451	705590	9,900
15	4/23/2021	97.6	10,036	6,459	5,218	704710	9,893
16	4/23/2021	96.0	10,245	6,745	5,196	705730	9,690
17	4/24/2021	103.2	10,415	6,592	5,383	617050	9,159
18	4/24/2021	98.5	9,916	6,671	5,631	705080	10,904
19	4/24/2021	105.0	10,213	6,483	5,630	705710	9,731
20	4/25/2021	100.8	10,073	7,003	5,319	705030	9,720
21	4/25/2021	97.0	9,831	6,665	5,075	705080	9,421
22	4/26/2021	100.0	10,494	6,274	5,197	705700	10,397
23	4/27/2021	103.1	10,072	6,462	5,827	705410	9,684
24	4/27/2021	100.0	10,631	6,526	5,530	705540	9,684
25	4/28/2021	103.0	9,863	6,672	5,547	705860	9,578
26	4/28/2021	94.0	9,201	7,164	5,619	705600	9,714
27	4/28/2021	93.0	9,597	6,709	5,252	705440	9,557
28	4/29/2021	95.0	8,958	6,213	5,434	705550	9,662
29	4/29/2021	94.9	9,154	6,518	5,372	705620	9,540
30	4/29/2021	95.5	8,917	6,411	5,594	705310	9,595
31	4/29/2021	95.0	8,991	6,521	5,741	705300	9,737
32	4/30/2021	95.0	9,076	5,666	6,149	660160	9,077
33	4/30/2021	95.0	8,904	6,653	5,748	660080	9,030
34	4/30/2021	93.1	9,099	7,058	4,636	662390	10,167
35	4/30/2021	94.2	8,536	5,969	4,754	662390	9,581
36	4/30/2021	95.0	8,737	6,229	6,061	660470	9,103
37	5/1/2021	94.0	8,622	6,762	5,889	660360	9,153
38	5/1/2021	95.3	9,159	7,683	6,102	662390	9,039
39	5/1/2021	95.2	9,603	7,096	5,989	662390	9,199
40	5/1/2021	95.0	8,259	6,590	5,747	662510	9,048
41	5/2/2021	95.0	7,478	3,870	5,662	662410	9,066
42	5/2/2021	94.9	8,028	5,842	5,622	662400	9,108
43	5/2/2021	95.2	8,412	5,162	5,356	662390	9,020
44	5/2/2021	94.7	8,081	5,707	4,103	662390	8,967
45	5/2/2021	95.0	8,101	5,714	5,017	662451	9,117
46	5/3/2021	95.0	8,079	6,333	5,286	662500	9,080
47	5/3/2021	95.0	8,471	5,839	4,779	557500	9,341
48	5/3/2021	95.0	8,200	6,200	5,510	662400	8,931
49	5/3/2021	95.0	7,979	6,065	5,979	662585	9,038
50	5/4/2021	95.0	7,901	6,044	5,923	662480	9,875
51	5/4/2021	95.0	7,689	5,605	5,529	662470	9,027
52	5/4/2021	93.0	7,802	5,846	5,104	662400	10,105
53	5/4/2021	95.0	7,602	5,955	4,812	662385	8,833
54	5/5/2021	94.0	7,686	6,273	4,517	662180	10,054
55	5/5/2021	93.0	6,954	6,226	4,288	662300	10,476
56	5/5/2021	95.0	7,587	6,153	5,828	662400	9,035
57	5/5/2021	94.0	7,634	7,385	4,982	662495	9,840

05/10/2024

API 47- 033 - 05999

Farm name Antonio

Well number 1206 N11H

PRODUCING FORMATION(S)

DEPTHS

Marcellus	7244-7307	TVD	7726-18690	MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow

OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1075 psi Bottom Hole psi DURATION OF TEST 658 hrs

OPEN FLOW Gas 18096 mcfpd Oil bpd NGL bpd Water 1056 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		

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		

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 Rd. City Hunker State PA Zip 15639

Cementing Company Schlumberger
Address 300 Schlumberger Dr. 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 6-21-2023

HG Energy II Appalachia, LLC
Antonio 1206 N-11H
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	2184	2182
30 foot Sand	2207	2207	2237	2236
Gordon Stray	2261	2261	2298	2297
Gordon	2297	2297	2410	2409
4th Sand	2412	2411	2459	2458
4th sand "A"	2480	2478	2498	2496
5th Sand	2551	2550	2564	2562
Upper Speechley	3122	3119	3155	3152
Lower Speechley	3233	3229	3253	3250
Benson	4635	4538	4634	4558
Rhinestreet	6084	5879	6866	6598
Cashaqua	6866	6598	7123	6831
Middlesex	7123	6831	7229	6922
West River	7229	6922	7391	7047
Burket	7391	7047	7442	7080
Tully	7442	7080	7597	7173
Hamilton	7597	7173	7726	7244
Marcellus	7726	7244	18690	7307

05/10/2024

HG Energy II Appalachia, LLC
Well No. Antonio 1206 N-11H
As-Drilled

Page 1 of 2



4,207' to Bottom Hole
2,084' to Top Hole
BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00

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, P.S. 2070



LONGITUDE 80 - 22 - 30
3,145' to Top Hole
7,663' to Bottom Hole

Tag	Bearing	Dist.
L1	N 75°38' W	3,444.8'
L2	N 53°50' E	1,576.6'
L3	S 89°09' E	2,950.2'
L4	S 71°56' E	1,577.0'

Notes:
Well No. Antonio 1206 N-11H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,220,790.67
E: 1,815,549.05
Landing Point Coordinates
N: 14,221,127.07
E: 1,816,962.13
Bottom Hole Coordinates
N: 14,231,428.53
E: 1,813,352.95

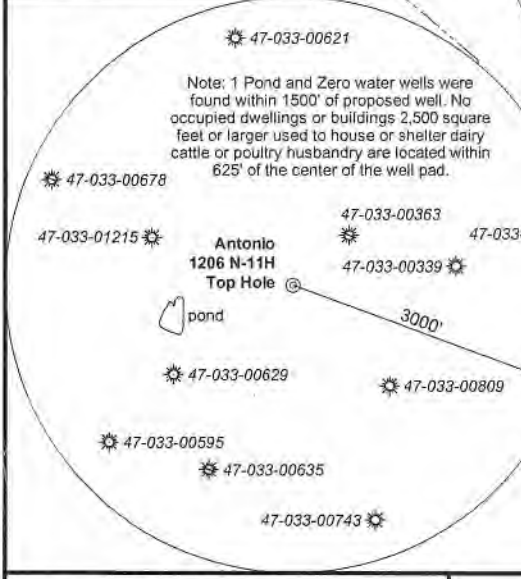
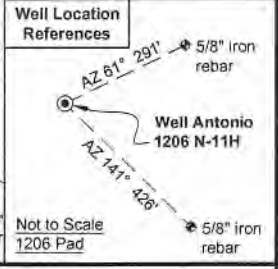
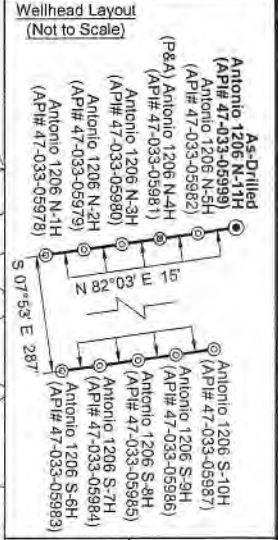
Notes: Well No. Antonio 1206 N-11H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates
Latitude: 39°09'28.91"
Longitude: 80°22'56.47"
Bottom Hole coordinates
Latitude: 39°11'14.24"
Longitude: 80°23'23.44"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,334,505.665m
E: 553,380.457m
Bottom Hole Coordinates
N: 4,337,748.091m
E: 552,711.085m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.



SEAL

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.)



FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-11H 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: December 6 2021
OPERATOR'S WELL NO. Antonio 1206 N-11H
API WELL NO
47 - 033 - 05999
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 QUADRANGLE: West Milford
SURFACE OWNER: Charles R. & Franklin L. Sutton COUNTY: Boone
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) 7,726' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,690' MD

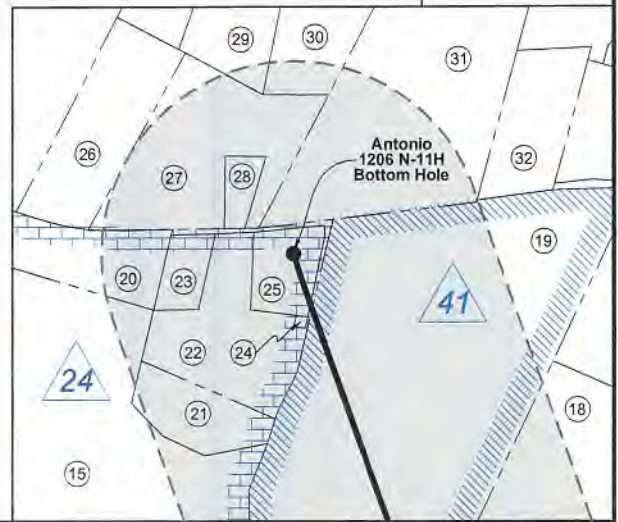
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



ID	Lease
4	Alton Bell, et al
5	Alton Bell
11	Hugh C. Davis, et al
16	Lewis M. Stout, et al
17	Bertie E. Young, et al
24	Mary A. Lowther, et al
25	Porter Maxwell, et al
26	Marcella R. Bond, et al
41	M.A. Lowther, et vir

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 / 3	Antonio P., LLC	1503 / 291	200.00
4	446 / 4	Bob R. Blankenship	1310 / 740	27.67
5	426 / 73	Charles R. & Franklin L. Sutton	1301 / 98	22.6
6	426 / 63	Charles R. & Franklin L. Sutton	1301 / 98	51.33
7	426 / 40	Charles R. & Franklin L. Sutton	1332 / 28	57.97
8	426 / 39	Antonio P., LLC	1503 / 291	50.00
9	426 / 37	Antonio P., LLC	1503 / 291	54.00
10	426 / 13	Antonio P., LLC	1503 / 291	149.74
11	426 / 1	Antonio P., LLC	1503 / 291	20.98
12	426 / 14	Antonio P., LLC	1503 / 291	1.21
13	406 / 29	Antonio P., LLC	1503 / 291	19.43
14	406 / 28	Antonio P., LLC	1503 / 291	176.82
15	405 / 82	Jim K. Stutler	1563 / 89	206.52
16	406 / 49	Jim K. Stutler	1563 / 89	8.03
17	406 / 49.1	Nina S. & David T. Mathews Sr.	1177 / 450	1.34
18	406 / 19.1	Harrison County Board of Education	1240 / 27	13.91
19	406 / 17	Board of Education	816 / 523	15.94
20	405 / 82.3	Kermit P. & Deborah B. Stutler	1369 / 812	12.53
21	406 / 16	Jim K. Stutler	1563 / 89	1.40
22	406 / 16.3	Jim K. Stutler	1563 / 94	2.41
23	406 / 16.1	Kevin K. Stutler & Linda Queen Turner	1430 / 1191	0.52
24	406 / 16.4	Grant Union Public Service	1169 / 1022	0.02
25	406 / 16.2	Aaron & Carly Underwood	1588 / 1058	0.846
26	406 / 3	Paul O. & Marilyn S. Kittle	1464 / 242	2.50
27	406 / 4	T. Dane Williams	1098 / 765	4.73
28	406 / 4.1	T. Dane Williams	1173 / 734	0.35
29	406 / 4.2	Roger A. & Chandra D. Harper	1524 / 239	2.00
30	406 / 4.3	Michelle J. & Christy R. Foster	1528 / 960	1.90
31	406 / 5	Richard K. Williams	1344 / 966	10.966
32	406 / 7.5	Luaninda R. Beckstead & Jo Ann Longenecker	1616 / 375	1.66

Detail 1 (Scale: 1"=500')



FILE NO: 06-36-12-G-H-19

DRAWING NO: Antonio 1206 N-11H 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: December 6 2021

OPERATOR'S WELL NO. Antonio 1206 N-11H

API WELL NO

47 — 033 — 05999
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) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,726' TVD 18,690' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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HG Energy II Appalachia, LLC
Well No. Antonio 1206 N-11H
As-Drilled

Page 1 of 2



4,207' to Bottom Hole
2,084' to Top Hole
BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00

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

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



LONGITUDE 80 - 22 - 30
3,145' to Top Hole
7,663' to Bottom Hole

Tag	Bearing	Dist.
L1	N 75°38' W	3,444.8'
L2	N 53°50' E	1,576.6'
L3	S 89°09' E	2,950.2'
L4	S 71°56' E	1,577.0'

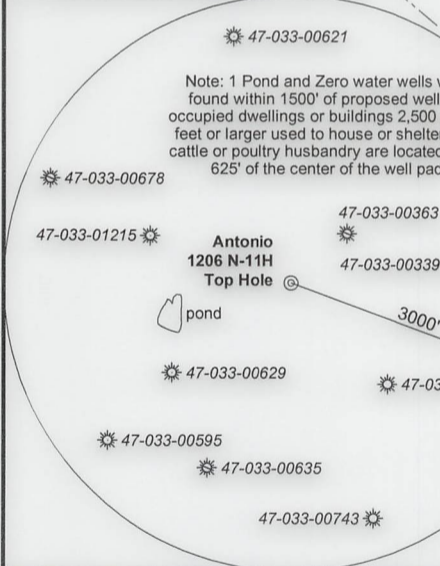
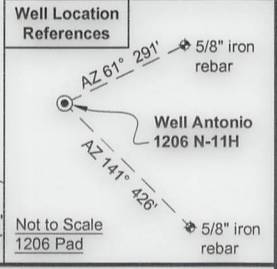
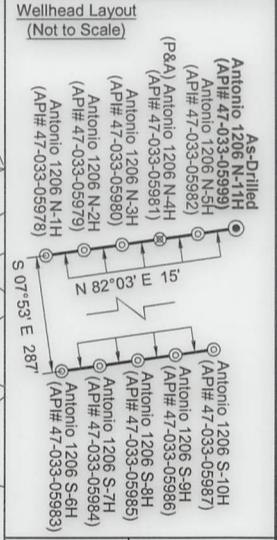
Notes:
Well No. Antonio 1206 N-11H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,220,790.67'
E: 1,815,549.05'
Landing Point Coordinates
N: 14,221,127.07'
E: 1,816,962.13'
Bottom Hole Coordinates
N: 14,231,428.53'
E: 1,813,352.95'

Notes: Well No. Antonio 1206 N-11H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates
Latitude: 39°09'28.91"
Longitude: 80°22'56.47"
Bottom Hole coordinates
Latitude: 39°11'14.24"
Longitude: 80°23'23.44"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,334,505.665m
E: 553,380.457m
Bottom Hole Coordinates
N: 4,337,748.091m
E: 552,711.085m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.



SEAL 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.)



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DATE: December 6 2021
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STATE COUNTY PERMIT

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ROYALTY OWNER: Charles R. Sutton LEASE NO: ACREAGE: 30.00

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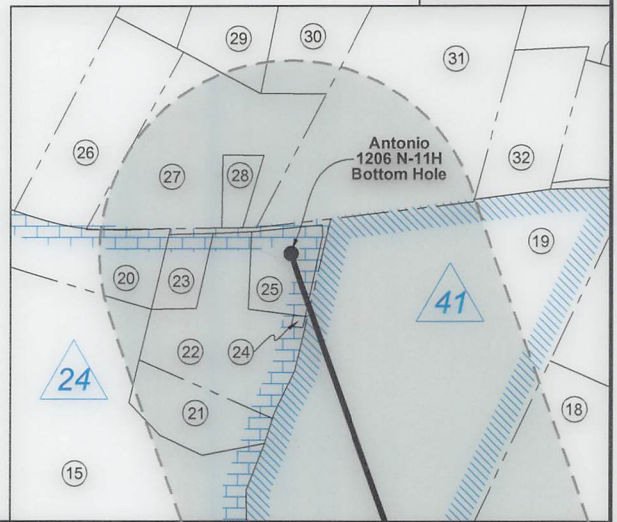
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ACREAGE: 30.00

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