

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

API 47-033-05979 County Harrison District Grant
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N-2H
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 4334503.125 Easting 553362.346
Landing Point of Curve Northing 4334318.00 Easting 552958.00
Bottom Hole Northing 4337815.949 Easting 551717.297

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

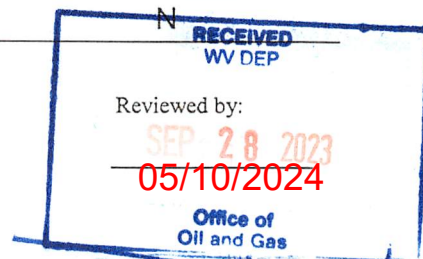
Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

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



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 - 05979 County Harrison District Grant
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Charles & Franklin Sutton Well Number 1206 N2H
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 14220782.34 Easting 1815489.63
Landing Point of Curve Northing 14220176.32 Easting 1814163.09
Bottom Hole Northing 14231651.16 Easting 1810092.50

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 02/07/2020 Date drilling commenced 2/17/2020 Date drilling ceased 3/10/2021
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:
Ernest Reynolds
05/10/2023

API 47-033 - 05979 Farm name Charles & Franklin Sutton Well number 1206 N2H

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"	1142	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	2169	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	3009	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5"	5.5"	19867	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	2826	15.6	1.18	3335	Surface	8
Coal							
Intermediate 1	Class A	2057/535	16.0/16.4	1.16/1.12	2386/599	Surface	24
Intermediate 2	Class A	922	15.6	1.19	1097	Surface	8
Intermediate 3							
Production	Class A	310/592/2690	13.5/13.5/14.8	1.82/1.67/1.34	564/988/3605	Surface	8
Tubing							

Drillers TD (ft) ¹⁹⁸⁹⁶ _____ Loggers TD (ft) _____
 Deepest formation penetrated ^{Onondaga} _____ Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁶⁸¹¹ _____

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 - 05979 Farm name Charles & Franklin Sutton Well number 1206 N2H

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-2H

Perforation Record

Stage #	Perforation Date	Perforation from Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve/1	5/4/2021	19816	19791	N/A	Marcellus
2	5/4/2021	19758	19590	28	Marcellus
3	5/4/2021	19564	19396	28	Marcellus
4	5/4/2021	19370	19202	28	Marcellus
5	5/5/2021	19176	19008	28	Marcellus
6	5/5/2021	18982	18814	28	Marcellus
7	5/5/2021	18788	18620	28	Marcellus
8	5/7/2021	18594	18426	28	Marcellus
9	5/8/2021	18400	18232	28	Marcellus
10	5/8/2021	18206	18038	28	Marcellus
11	5/9/2021	18012	17844	28	Marcellus
12	5/10/2021	17818	17650	28	Marcellus
13	5/10/2021	17624	17456	28	Marcellus
14	5/11/2021	17430	17262	28	Marcellus
15	5/11/2021	17236	17068	28	Marcellus
16	5/12/2021	17042	16874	28	Marcellus
17	5/12/2021	16848	16680	28	Marcellus
18	5/13/2021	16654	16486	28	Marcellus
19	5/13/2021	16460	16292	28	Marcellus
20	5/14/2021	16266	16098	28	Marcellus
21	5/14/2021	16072	15904	28	Marcellus
22	5/14/2021	15878	15710	28	Marcellus
23	5/15/2021	15684	15516	28	Marcellus
24	5/15/2021	15490	15322	28	Marcellus
25	5/15/2021	15296	15128	28	Marcellus
26	5/16/2021	15102	14934	28	Marcellus
27	5/16/2021	14908	14740	28	Marcellus
28	5/17/2021	14714	14546	28	Marcellus
29	5/17/2021	14520	14352	28	Marcellus
30	5/18/2021	14326	14158	28	Marcellus
31	5/18/2021	14132	13976	28	Marcellus
32	5/18/2021	13593	13425	28	Marcellus
33	5/19/2021	13397	13229	28	Marcellus
34	5/19/2021	13201	13033	28	Marcellus
35	5/20/2021	13004	12836	28	Marcellus
36	5/20/2021	12806	12638	28	Marcellus
37	5/20/2021	12608	12440	28	Marcellus
38	5/20/2021	12410	12242	28	Marcellus
39	5/21/2021	12212	12044	28	Marcellus
40	5/21/2021	12014	11846	28	Marcellus
41	5/21/2021	11816	11648	28	Marcellus
42	5/21/2021	11618	11450	28	Marcellus
43	5/21/2021	11421	11253	28	Marcellus
44	5/22/2021	11225	11057	28	Marcellus
45	5/22/2021	11029	10861	28	Marcellus
46	5/22/2021	10833	10665	28	Marcellus
47	5/22/2021	10637	10469	28	Marcellus
48	5/23/2021	10441	10273	28	Marcellus
49	5/23/2021	10245	10077	28	Marcellus
50	5/23/2021	10049	9881	28	Marcellus
51	5/23/2021	9853	9685	28	Marcellus
52	5/24/2021	9657	9489	28	Marcellus
53	5/24/2021	9461	9293	28	Marcellus
54	5/24/2021	9265	9097	28	Marcellus
55	5/25/2021	9069	8901	28	Marcellus
56	5/25/2021	8873	8705	28	Marcellus
57	5/25/2021	8677	8509	28	Marcellus
58	5/25/2021	8481	8313	28	Marcellus
59	5/26/2021	8285	8117	28	Marcellus
60	5/26/2021	8089	7921	28	Marcellus
61	5/26/2021	7893	7725	28	Marcellus

05/10/2024

HG Energy II Appalachia, LLC

Antonion 1206 N-2H

Stimulation Record

Stage #	Date	Ave pump rate (BPM)	Ave Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	5/4/2021	89.0	9392	7969	4509	270050	7,442
2	5/4/2021	87.5	9,340	6,182	4,602	727100	15,503
3	5/4/2021	93.0	9,597	5,775	5,372	700000	14,474
4	5/4/2021	94.0	9,584	5,828	5,205	644900	13,048
5	5/5/2021	93.0	9,617	6,526	5,547	702670	13,225
6	5/5/2021	92.0	9,656	6,275	5,637	702500	12,451
7	5/5/2021	92.0	9,854	6,518	5,032	702500	12,053
8	5/7/2021	89.0	9,859	5,847	4,931	705000	11,774
9	5/8/2021	90.0	9,985	6,899	5,541	705000	11,615
10	5/8/2021	94.0	9,993	6,682	5,436	705460	10,065
11	5/9/2021	85.0	9,819	7,415	5,216	705500	9,628
12	5/10/2021	83.0	9,808	7,154	4,871	705500	9,886
13	5/10/2021	92.0	9,980	6,506	5,527	705500	9,719
14	5/11/2021	96.0	10,071	5,486	5,173	705500	9,975
15	5/11/2021	98.0	10,151	6,163	5,349	705500	9,783
16	5/12/2021	94.6	10,189	6,126	4,990	705500	9,608
17	5/12/2021	104.2	10,458	6,481	5,557	705580	9,746
18	5/13/2021	98.1	10,397	6,027	5,013	705500	9,603
19	5/13/2021	100.8	9,868	6,590	5,302	705550	9,682
20	5/14/2021	102.3	10,277	6,469	4,940	640400	9,296
21	5/14/2021	107.3	10,292	6,154	5,450	705600	9,613
22	5/14/2021	98.7	9,921	6,235	5,040	705560	9,640
23	5/15/2021	96.6	10,179	6,457	5,748	705600	9,643
24	5/15/2021	103.5	10,110	6,851	5,427	705600	9,630
25	5/15/2021	102.3	10,206	6,358	5,525	705520	9,637
26	5/16/2021	101.9	10,310	5,933	5,494	705600	9,617
27	5/16/2021	92.4	9,610	6,383	5,833	705520	11,035
28	5/17/2021	101.3	10,269	6,450	5,649	705600	9,606
29	5/17/2021	106.2	10,336	5,740	5,940	705580	9,582
30	5/18/2021	105.0	10,212	6,434	5,841	705600	9,513
31	5/18/2021	90.9	9,983	6,753	6,225	705600	10,305
32	5/18/2021	102.1	9,582	4,951	3,617	705600	10,533
33	5/19/2021	108.7	9,603	4,620	4,641	705500	9,435
34	5/19/2021	108.9	9,672	5,951	4,296	705500	9,745
35	5/20/2021	106.1	10,079	6,022	5,373	705500	9,631
36	5/20/2021	103.0	10,038	6,393	5,297	705400	9,576
37	5/20/2021	106.7	9,911	5,642	5,678	705600	9,574
38	5/20/2021	108.5	9,867	5,869	5,414	705510	10,364
39	5/21/2021	106.3	9,180	5,560	5,453	705500	10,746
40	5/21/2021	109.1	9,242	6,029	4,855	705500	9,531
41	5/21/2021	109.7	9,673	5,319	5,315	705600	9,481
42	5/21/2021	109.6	9,565	5,457	5,202	705500	9,425
43	5/21/2021	109.7	9,525	5,502	4,970	705500	9,551
44	5/22/2021	109.2	9,772	6,055	5,113	705500	9,631
45	5/22/2021	109.1	9,426	5,782	5,548	705500	9,479
46	5/22/2021	107.0	9,737	6,131	5,372	705600	9,475
47	5/22/2021	108.1	9,633	6,044	5,312	653440	9,550
48	5/23/2021	108.7	9,515	6,119	5,950	705500	9,701
49	5/23/2021	101.0	9,881	6,300	5,415	381540	8,170
50	5/23/2021	107.0	9,843	5,286	4,900	705530	9,483
51	5/23/2021	107.1	9,420	6,248	5,501	705560	9,591
52	5/24/2021	107.0	9,384	5,761	4,497	712300	10,642
53	5/24/2021	109.0	9,177	6,065	4,769	705550	9,566
54	5/24/2021	102.1	9,088	6,297	4,825	705530	9,466
55	5/25/2021	108.9	9,102	5,956	5,568	705500	9,548
56	5/25/2021	104.0	8,477	5,787	5,858	705500	9,607
57	5/25/2021	110.0	8,861	6,155	5,705	705560	9,652
58	5/25/2021	108.3	9,350	5,780	4,725	705510	9,550
59	5/26/2021	101.9	8,617	6,303	4,668	705500	9,546
60	5/26/2021	108.0	8,816	5,826	5,090	638300	9,058
61	5/26/2021	108.0	8,999	6,050	4,482	671040	9,236

05/10/2024

API 47- 033 - 05979 Farm name Charles & Franklin Sutton Well number 1206 N2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>7218-7310</u> TVD	<u>7702-13608</u> MD
<u>Marcellus</u>	<u>7303-7252</u>	<u>13964-19896</u>
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1152 psi Bottom Hole _____ psi DURATION OF TEST 658 hrs

OPEN FLOW Gas 18192 mcfpd Oil _____ bpd NGL _____ bpd Water 1248 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 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 6/21/23

HG Energy II Appalachia, LLC

Antonio 1206 N-2H

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 Dunkar	610	610	700	700
Coal	838	838	851	851
1st Salt Sar	904	904	1004	1004
2nd Salt Sa	1119	1119	1179	1179
Deepest co	1102	1102	1108	1108
3rd Salt Sa	1212	1212	1262	1262
Upper Max	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 Sar	2208	2208	2237	2237
Gordon Str	2258	2258	2294	2294
Gordon	2294	2294	2406	2406
4th Sand	2412	2412	2458	2458
4th sand "A	2472	2472	2490	2490
5th Sand	2551	2551	2562	2562
Upper Spee	3123	3122	3149	3148
Lower Spee	3236	3233	3257	3254
Benson	4610	4529	4639	4555
Rhinstree	6046	5850	6801	6546
Cashaqua	6801	6546	7045	6775
Middlesex	7045	6775	7203	6912
West River	7203	6912	7346	7023
Burket	7346	7023	7400	7061
Tully	7400	7061	7541	7149
Hamilton	7541	7149	7702	7218
Marcellus	7702	7218	19896	7252

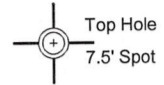
05/10/2024

HG Energy II Appalachia, LLC
Well No. Antonio 1206 N-2H
As-Drilled



BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00

LONGITUDE 80 - 22 - 30
3,153' to Top Hole



7,418' to Bottom Hole

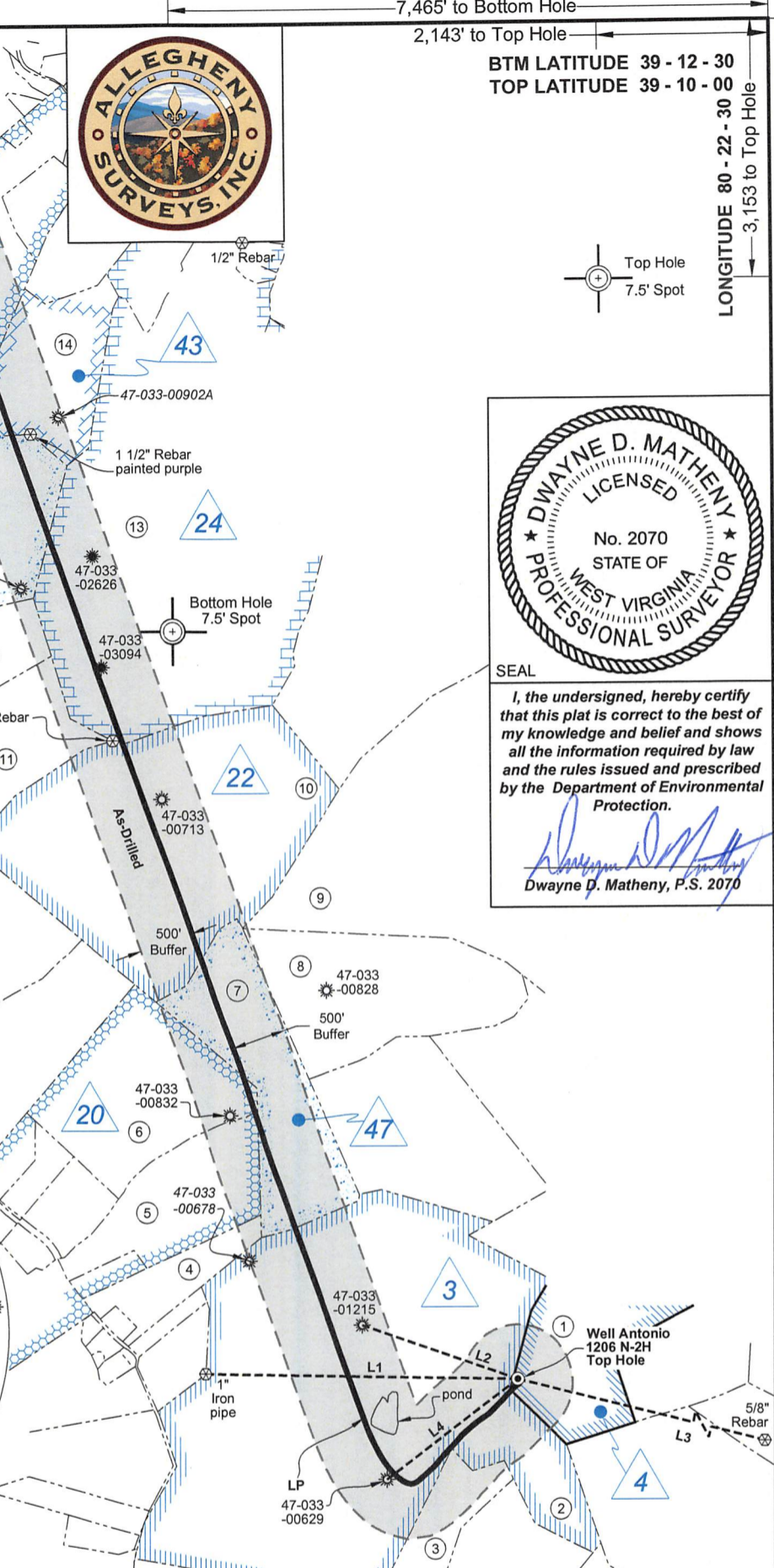
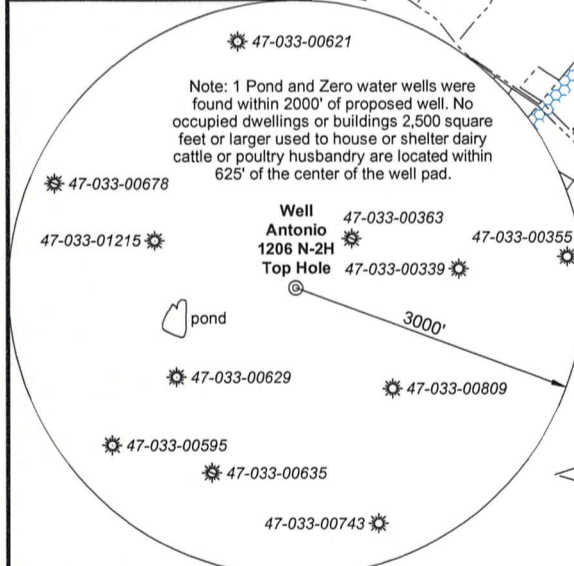
Tag	Bearing	Dist.
L1	S 88°58' E	2,891.0'
L2	S 70°57' E	1,523.3'
L3	N 76°00' W	3,500.4'
L4	N 52°46' E	1,524.0'

Notes:
Well No. Antonio 1206 N-2H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,220,782.34'
E: 1,815,489.63'
Landing Point Coordinates
N: 14,220,176.32'
E: 1,814,163.09'
Bottom Hole Coordinates
N: 14,231,651.16'
E: 1,810,092.50'

Notes: Well No. Antonio 1206 N-2H
West Virginia Coordinate System of
1927, North Zone
based upon Differential GPS
Measurements.
Top Hole coordinates
Latitude: 39°09'28.83"
Longitude: 80°22'57.22"
Bottom Hole coordinates
Latitude: 39°11'16.66"
Longitude: 80°24'04.85"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,334,503.126m
E: 553,362.346m
Bottom Hole Coordinates
N: 4,337,815.949m
E: 551,717.297m
Plat orientation and corner and well
references are based upon the grid
north meridian.
Well location references are based
upon the magnetic meridian.



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: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-2H 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-2H
API WELL NO
47 - 033 - 05979
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) 7,702' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,896' MD

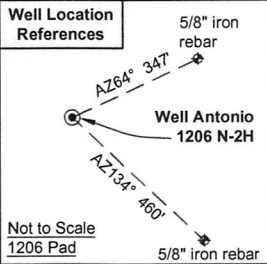
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



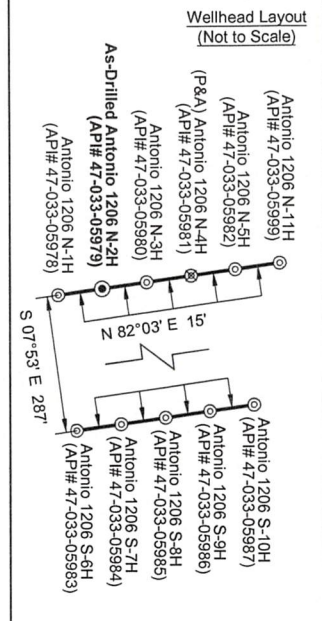
Legend

- ⊙ 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.)

Well Location References



Wellhead Layout (Not to Scale)



ID	Lease
3	C. Earl Snider, et al
4	Alton Bell, et al
20	Mae Gaston, et al
22	Rachel S. Hershey, et al
24	Mary A. Lowther, et al
43	Petitto Brothers, Inc.
44	Jettie Cox, et al
45	Robert & Betty Stevenson, et al
47	WV Division of Natural Resources

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 / 21	Judith H. Russell	1212 / 1074	15.26
5	425 / 19	Antonio P. LLC	1503 / 291	31.00
6	425 / 18	Antonio P. LLC	1503 / 291	46.00
7	425 / 17	Antonio P. LLC	1503 / 291	48.00
8	426 / 37	Antonio P. LLC	1503 / 291	54.00
9	426 / 13	Antonio P. LLC	1503 / 291	149.74
10	425 / 16	Antonio P. LLC	1503 / 291	122.25
11	425 / 15	WVDNR	W85 / 624	40.85
12	405 / 81	WVDNR	W85 / 624	42.00
13	405 / 82	Jim K. Stutler	1563 / 89	206.52
14	405 / 66	Antonio P. LLC	1503 / 291	33.00
15	405 / 74	Mary Lou Smith	W117 / 1179	107.76
16	405 / 64	Robert M. Lewis, Jr.	1518 / 814	62.26
17	405 / 48	Connie J. & Robert M. Lewis, Jr.	1518 / 814	13.20
18	405 / 47	Robin Ann Stark	1518 / 809	14.06

FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-2H 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-2H
API WELL NO
47 — 033 — 05979
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
COUNTY: Putnam
ACREAGE: 30.00

SURFACE OWNER: Charles R. & Franklin L. Sutton

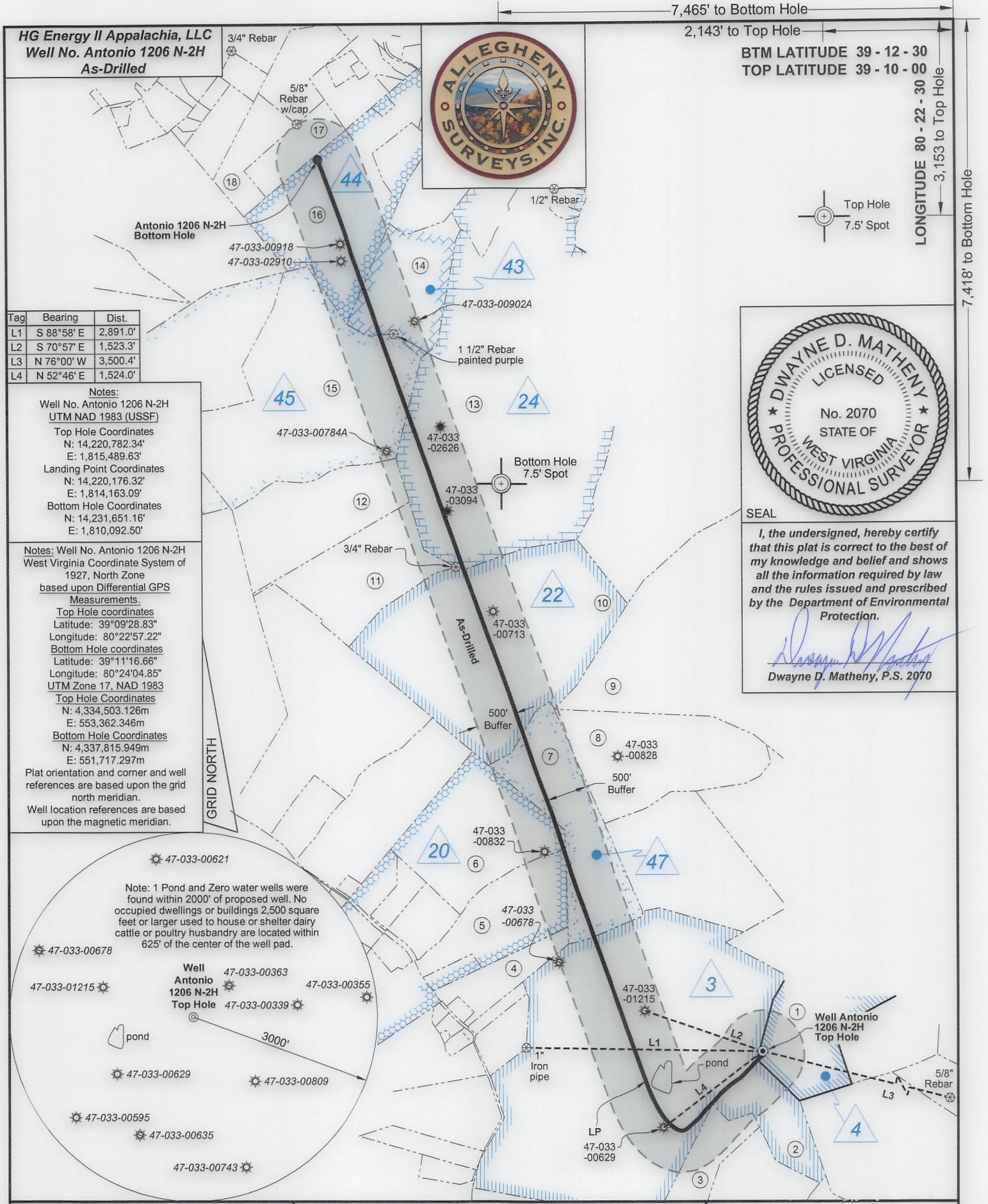
ROYALTY OWNER: Charles R. Sutton LEASE NO: _____ ACREAGE: 30.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,702' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,896' 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

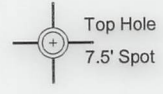


HG Energy II Appalachia, LLC
Well No. Antonio 1206 N-2H
As-Drilled



7,465' to Bottom Hole
2,143' to Top Hole
BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00

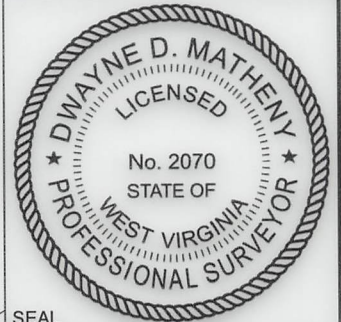
LONGITUDE 80 - 22 - 30
3,153' to Top Hole
7,418' to Bottom Hole



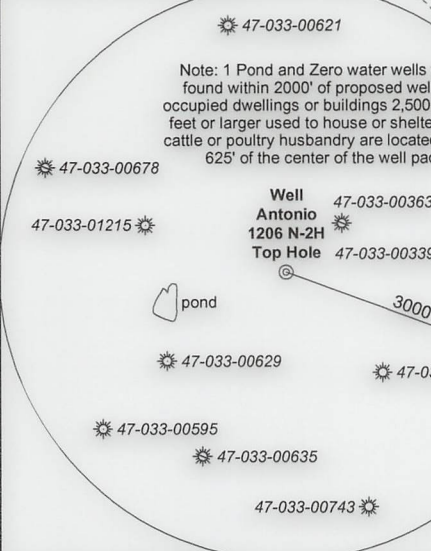
Tag	Bearing	Dist.
L1	S 88°58' E	2,891.0'
L2	S 70°57' E	1,523.3'
L3	N 76°00' W	3,500.4'
L4	N 52°46' E	1,524.0'

Notes:
Well No. Antonio 1206 N-2H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,220,782.34'
E: 1,815,489.63'
Landing Point Coordinates
N: 14,220,176.32'
E: 1,814,163.09'
Bottom Hole Coordinates
N: 14,231,651.16'
E: 1,810,092.50'

Notes: Well No. Antonio 1206 N-2H
West Virginia Coordinate System of
1927, North Zone
based upon Differential GPS
Measurements.
Top Hole coordinates
Latitude: 39°09'28.83"
Longitude: 80°22'57.22"
Bottom Hole coordinates
Latitude: 39°11'16.66"
Longitude: 80°24'04.85"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,334,503.126m
E: 553,362.346m
Bottom Hole Coordinates
N: 4,337,815.949m
E: 551,717.297m
Plat orientation and corner and well
references are based upon the grid
north meridian.
Well location references are based
upon the magnetic meridian.



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



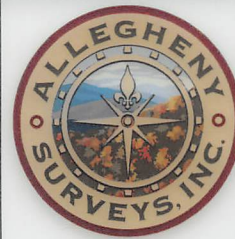
FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-2H As-Drilled
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: November 16 20 21
OPERATOR'S WELL NO. Antonio 1206 N-2H
API WELL NO
47 - 033 - 05979
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) 7,702' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,896' MD

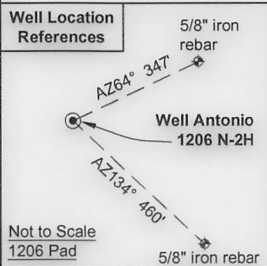
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



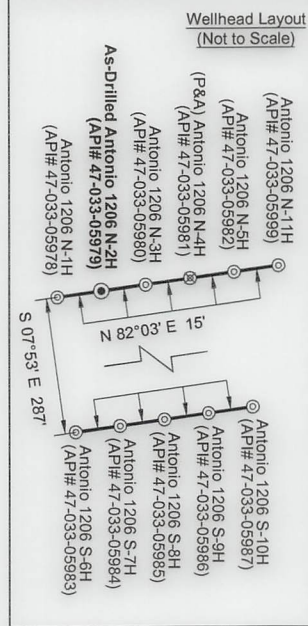
Legend

- ⊙ 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.)

Well Location References



Wellhead Layout (Not to Scale)



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 / 21	Judith H. Russell	1212 / 1074	15.26
5	425 / 19	Antonio P. LLC	1503 / 291	31.00
6	425 / 18	Antonio P. LLC	1503 / 291	46.00
7	425 / 17	Antonio P. LLC	1503 / 291	48.00
8	426 / 37	Antonio P. LLC	1503 / 291	54.00
9	426 / 13	Antonio P. LLC	1503 / 291	149.74
10	425 / 16	Antonio P. LLC	1503 / 291	122.25
11	425 / 15	WVDNR	W85 / 624	40.85
12	405 / 81	WVDNR	W85 / 624	42.00
13	405 / 82	Jim K. Stutler	1563 / 89	206.52
14	405 / 66	Antonio P. LLC	1503 / 291	33.00
15	405 / 74	Mary Lou Smith	W117 / 1179	107.76
16	405 / 64	Robert M. Lewis, Jr.	1518 / 814	62.26
17	405 / 48	Connie J. & Robert M. Lewis, Jr.	1518 / 814	13.20
18	405 / 47	Robin Ann Stark	1518 / 809	14.06

ID	Lease
3	C. Earl Snider, et al
4	Alton Bell, et al
20	Mae Gaston, et al
22	Rachel S. Hershey, et al
24	Mary A. Lowther, et al
43	Petitto Brothers, inc.
44	Jettie Cox, et al
45	Robert & Betty Stevenson, et al
47	WV Division of Natural Resources

FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-2H 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-2H
API WELL NO
47 — 033 — 05979
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
COUNTY: Harrison
ACREAGE: 30.00

SURFACE OWNER: Charles R. & Franklin L. Sutton

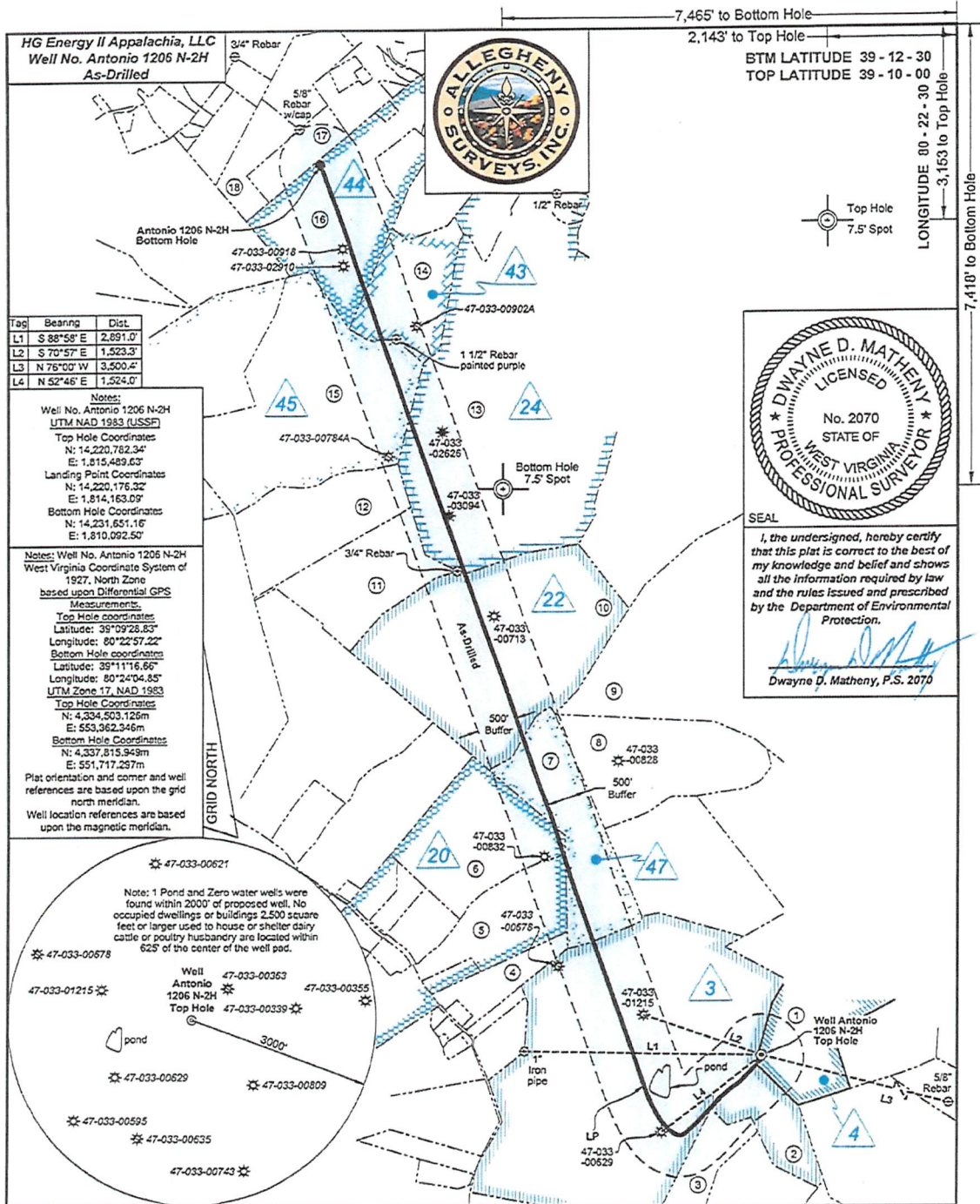
ROYALTY OWNER: Charles R. Sutton LEASE NO: ACREAGE: 30.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,702' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 19,896' 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



FILE NO: 06-36-12-G-H-19
 DRAWING NO: Antonio 1206 N-2H 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-2H
 API WELL NO
 47 - 033 - 05979
 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
 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: 7,702' TYD 19,896' 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
 05/10/2024

Office of
 Oil and Gas