

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



API 47 - 033 - 05982 County Harrison District Grant
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N-5H
Operator (as registered with the OOG) HG Energy II Appalacia, 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 4334505.025 Easting 553375.928
Landing Point of Curve Northing 4334719.0 Easting 554203.0
Bottom Hole Northing 4337700.905 Easting 553218.090

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:
Ken Quynolds
05/10/2024
signed original 8/8/23

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 47-033-05982 County Harrison District Grant Union
Quad West Milford Pad Name Antonio 1206 Field/Pool Name Lost Creek
Farm name Antonio Well Number 1206 N5H
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 14,220,788.57' Easting 1,818,534.19'
Landing Point of Curve Northing 14,221,489.49' Easting 1,818,247.50'
Bottom Hole Northing 14,231,273.72' Easting 1,815,016.35'

VOID

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 10/14/2020 Date drilling ceased 4/1/2021
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
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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:
Lenora Spivey
05/10/2024

API 47-033 - 05982 Farm name Antonio Well number 1206 N5H

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		Yes
Coal							
Intermediate 1	17.5"	13.375"	2165	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	18546	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	2332	15.6	1.18	2752	Surface	8
Coal							
Intermediate 1	Class A	1919/440	16.0/16.4	1.16/1.10	2226/484	Surface	24
Intermediate 2	Class A	922	15.6	1.19	1097	Surface	8
Intermediate 3							
Production	Class A	508/832/337/2284	13.5/13.5/14.8/14.8	1.82/1.67/1.48/1.34	925/1389/499/3061	Surface	8
Tubing							

Drillers TD (ft) ¹⁸⁵⁷² _____ Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ⁷³²⁸ _____

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 - 05982

Farm name Antonio

Well number 1206 N5H

PRODUCING FORMATION(S) DEPTHS
Marcellus 7230-7354 TVD 8246-18572 MD



Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1058 psi Bottom Hole _____ psi DURATION OF TEST 658 hrs

OPEN FLOW Gas 16176 mcfpd Oil _____ bpd NGL _____ bpd Water 1032 bpd
GAS MEASURED BY Estimated Orifice Pilot

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

Please insert additional pages as applicable.

Drilling Contractor Precision Drilling
Address 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 119 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

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

05/10/2024

HG Energy II Appalachia, LLC
Antonio 1206 N-5H
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	2183	2182
30 foot Sand	2211	2210	2239	2238
Gordon Stray	2262	2261	2296	2294
Gordon	2296	2294	2414	2413
4th Sand	2414	2413	2458	2456
4th sand "A"	2475	2473	2496	2494
5th Sand	2547	2545	2563	2561
Upper Speechley	3126	3121	3157	3152
Lower Speechley	3238	3231	3260	3253
Benson	4740	4535	4769	4558
Rhinestreet	6454	5880	7332	6579
Cashaqua	7332	6579	7651	6828
Middlesex	7651	6828	7770	6920
West River	7770	6920	7912	7029
Burket	7912	7029	7967	7061
Tully	7967	7061	8102	7157
Hamilton	8102	7157	8246	7230
Marcellus	8246	7230	18572	7354

HG Energy II Appalachia, LLC
Antonio 1206 N-5H
Perforation Record

Stage #	Perforation Date	Perforation from Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve/1	4/15/2021	18495	18470	N/A	Marcellus
2	4/16/2021	18436	18268	28	Marcellus
3	4/16/2021	18240	18072	28	Marcellus
4	4/17/2021	18044	17876	28	Marcellus
5	4/17/2021	17848	17680	28	Marcellus
6	4/18/2021	17652	17484	28	Marcellus
7	4/19/2021	17456	17288	28	Marcellus
8	4/19/2021	17260	17092	28	Marcellus
9	4/20/2021	17064	16896	28	Marcellus
10	4/20/2021	16868	16700	28	Marcellus
11	4/21/2021	16672	16504	28	Marcellus
12	4/21/2021	16476	16308	28	Marcellus
13	4/22/2021	16280	16112	28	Marcellus
14	4/22/2021	16084	15916	28	Marcellus
15	4/23/2021	15888	15720	28	Marcellus
16	4/23/2021	15692	15524	28	Marcellus
17	4/24/2021	15496	15328	28	Marcellus
18	4/24/2021	15300	15132	28	Marcellus
19	4/24/2021	15104	14936	28	Marcellus
20	4/25/2021	14908	14740	28	Marcellus
21	4/25/2021	14712	14544	28	Marcellus
22	4/26/2021	14516	14348	28	Marcellus
23	4/27/2021	14320	14152	28	Marcellus
24	4/27/2021	14124	13956	28	Marcellus
25	4/27/2021	13928	13760	28	Marcellus
26	4/28/2021	13732	13564	28	Marcellus
27	5/8/2021	13536	13368	28	Marcellus
28	5/9/2021	13340	13172	28	Marcellus
29	5/9/2021	13144	12976	28	Marcellus
30	5/10/2021	12948	12780	28	Marcellus
31	5/11/2021	12752	12584	28	Marcellus
32	5/11/2021	12556	12388	28	Marcellus
33	5/11/2021	12360	12192	28	Marcellus
34	5/12/2021	12164	11996	28	Marcellus
35	5/12/2021	11968	11800	28	Marcellus
36	5/13/2021	11772	11604	28	Marcellus
37	5/13/2021	11576	11408	28	Marcellus
38	5/14/2021	11380	11212	28	Marcellus
39	5/14/2021	11184	11016	28	Marcellus
40	5/15/2021	10988	10820	28	Marcellus
41	5/15/2021	10792	10624	28	Marcellus
42	5/16/2021	10596	10428	28	Marcellus
43	5/16/2021	10400	10232	28	Marcellus
44	5/16/2021	10204	10036	28	Marcellus
45	5/17/2021	10008	9840	28	Marcellus
46	5/17/2021	9812	9644	28	Marcellus
47	5/17/2021	9616	9448	28	Marcellus
48	5/18/2021	9420	9252	28	Marcellus
49	5/18/2021	9224	9056	28	Marcellus
50	5/18/2021	9028	8860	28	Marcellus
51	5/18/2021	8832	8664	28	Marcellus
52	5/18/2021	8636	8468	28	Marcellus
53	5/19/2021	8440	8272	28	Marcellus

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WV DEP

Office of
Oil and Gas

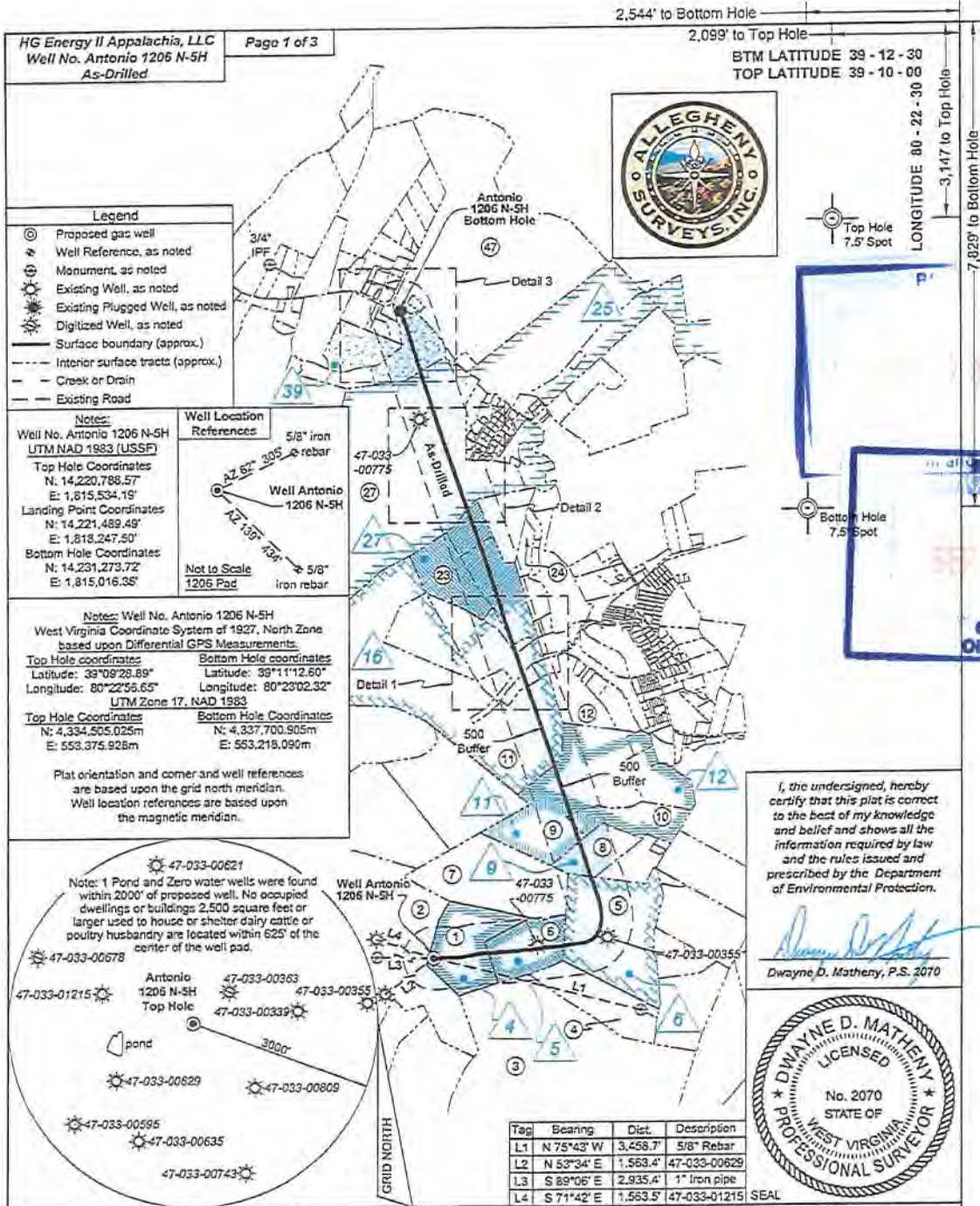
05/10/2024

HG Energy II Appalachia, LLC
Antonio 1206 N-5H
Stimulation Record



Stage #	Date	Average Pump Rate (BPM)	Average Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	4/15/2021	86.0	8916	12383	3515	283000	7,444
2	4/16/2021	93.0	9,881	7,236	4,372	700260	14,759
3	4/16/2021	90.1	9,957	6,817	4,422	700300	16,123
4	4/17/2021	94.4	9,745	5,987	4,527	702440	12,543
5	4/17/2021	84.4	9,947	7,839	4,724	700060	12,637
6	4/18/2021	83.8	10,086	7,705	4,753	704400	11,268
7	4/19/2021	90.9	10,070	6,130	4,918	705410	11,397
8	4/19/2021	86.5	9,718	7,426	5,201	701200	10,530
9	4/20/2021	84.4	9,706	6,683	5,990	705080	13,268
10	4/20/2021	86.8	10,222	7,119	5,943	705500	9,671
11	4/21/2021	87.2	10,041	5,148	5,252	704700	9,373
12	4/21/2021	84.8	10,235	6,726	5,561	705600	9,704
13	4/22/2021	87.3	10,064	6,660	5,460	704900	9,656
14	4/22/2021	92.0	9,907	4,066	5,442	705670	10,782
15	4/23/2021	96.0	10,076	5,434	5,858	705030	10,119
16	4/23/2021	95.0	9,833	6,630	5,130	658180	10,023
17	4/24/2021	105.0	10,279	6,707	5,473	705910	9,729
18	4/24/2021	101.5	10,277	6,446	6,006	705080	9,523
19	4/24/2021	104.0	10,135	6,181	5,899	705850	9,736
20	4/25/2021	102.5	10,268	6,987	6,080	705130	9,809
21	4/25/2021	98.5	9,914	5,418	5,429	705200	9,546
22	4/26/2021	97.0	10,314	6,543	5,353	705690	10,127
23	4/27/2021	98.0	10,165	6,751	5,329	705210	9,489
24	4/27/2021	104.3	10,295	6,410	5,637	705080	9,773
25	4/27/2021	108.0	10,273	3,864	5,712	705900	9,696
26	4/28/2021	95.0	9,964	6,347	5,638	705340	9,629
27	5/8/2021	100.0	10,119	6,851	5,629	705460	9,644
28	5/9/2021	99.7	9,915	7,061	5,096	705500	9,694
29	5/9/2021	102.0	9,977	6,810	5,150	705470	9,984
30	5/10/2021	100.0	9,662	6,786	5,692	705500	9,708
31	5/11/2021	103.0	9,715	6,863	5,398	645400	9,890
32	5/11/2021	102.0	9,757	6,288	5,643	705500	9,825
33	5/11/2021	103.0	9,856	6,983	5,761	686000	9,852
34	5/12/2021	106.5	10,126	6,100	5,940	670000	9,329
35	5/12/2021	107.0	9,914	6,496	5,672	670080	9,237
36	5/13/2021	108.4	9,947	6,474	5,727	670000	9,333
37	5/13/2021	107.9	9,818	4,539	5,729	670060	9,388
38	5/14/2021	106.3	9,624	6,851	5,522	670100	9,309
39	5/14/2021	109.0	9,715	6,959	6,043	670030	9,436
40	5/15/2021	107.8	9,966	6,491	6,121	670000	9,343
41	5/15/2021	108.7	10,094	5,642	6,068	670010	9,374
42	5/16/2021	104.5	10,033	6,390	5,938	670040	9,363
43	5/16/2021	104.5	9,769	5,537	5,222	670000	9,319
44	5/16/2021	99.5	8,516	6,412	5,526	670040	9,354
45	5/17/2021	108.3	9,385	5,858	4,786	670000	9,388
46	5/17/2021	109.3	9,551	6,189	5,521	670000	9,357
47	5/17/2021	110.1	9,293	6,375	5,818	670040	9,288
48	5/18/2021	110.0	8,907	6,387	4,758	670050	9,288
49	5/18/2021	109.9	9,057	6,871	5,081	670020	9,143
50	5/18/2021	110.1	9,280	6,480	4,780	670100	9,306
51	5/18/2021	106.0	9,061	6,585	5,395	670100	9,240
52	5/18/2021	109.7	8,913	6,509	5,052	670040	9,357
53	5/19/2021	105.8	8,716	6,726	5,014	653560	10,315

05/10/2024

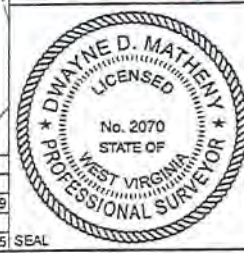


2,544' to Bottom Hole
 2,099' to Top Hole
 BTM LATITUDE 39 - 12 - 30
 TOP LATITUDE 39 - 10 - 00
 LONGITUDE 80 - 22 - 30
 3,147' to Top Hole
 7,829' to Bottom Hole



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-SH As-Drilled
 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: December 6 2021
 OPERATOR'S WELL NO. Antonio 1206 N-SH
 API WELL NO
 47 - 033 - 05982
 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) _____ 8,245' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,572' 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

05/10/2024

2,544' to Bottom Hole

2,099' to Top Hole

BTM LATITUDE 39 - 12 - 30

TOP LATITUDE 39 - 10 - 00

LONGITUDE 80 - 22 - 30

3,147' to Top Hole

7,829' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Antonio 1206 N-5H
As-Drilled

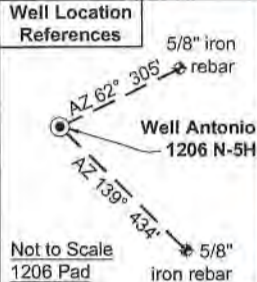
Page 1 of 3



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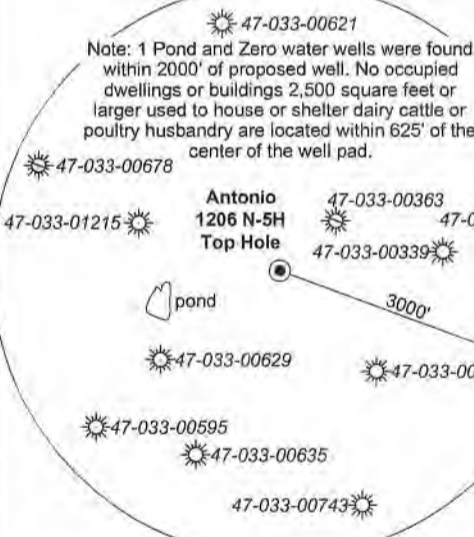
- ⊙ Proposed gas well
- ⊕ Well Reference, as noted
- ⊗ Monument, as noted
- ⊙ Existing Well, as noted
- ⊙ Existing Plugged Well, as noted
- ⊙ Digitized Well, as noted
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- Creek or Drain
- Existing Road

Notes:
Well No. Antonio 1206 N-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,220,788.57'
E: 1,815,534.19'
Landing Point Coordinates
N: 14,221,489.49'
E: 1,818,247.50'
Bottom Hole Coordinates
N: 14,231,273.72'
E: 1,815,016.35'



Notes: Well No. Antonio 1206 N-5H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'28.89" Longitude: 80°22'56.65"
Bottom Hole coordinates Latitude: 39°11'12.60" Longitude: 80°23'02.32"
UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,334,505.025m E: 553,375.928m
Bottom Hole Coordinates N: 4,337,700.905m E: 553,218.090m

Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.



Tag	Bearing	Dist.	Description
L1	N 75°43' W	3,458.7'	5/8" Rebar
L2	N 53°34' E	1,563.4'	47-033-00629
L3	S 89°06' E	2,935.4'	1" Iron pipe
L4	S 71°42' E	1,563.5'	47-033-01215

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



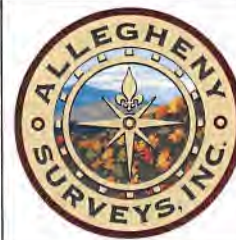
FILE NO: 06-36-12-G-H-19
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SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

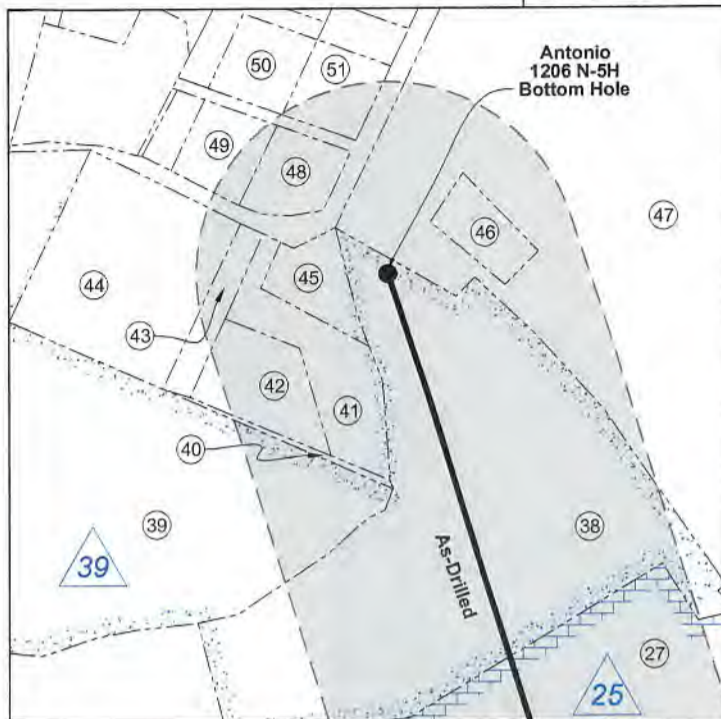
DATE: December 6 2021
OPERATOR'S WELL NO. Antonio 1206 N-5H
API WELL NO
47 - 033 - 05982
STATE COUNTY PERMIT

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) 8,246' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,572' MD

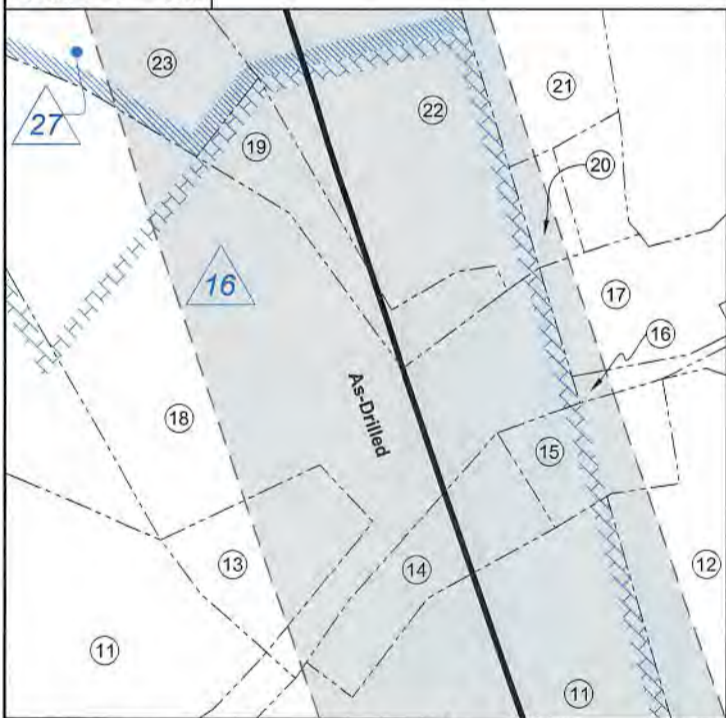
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



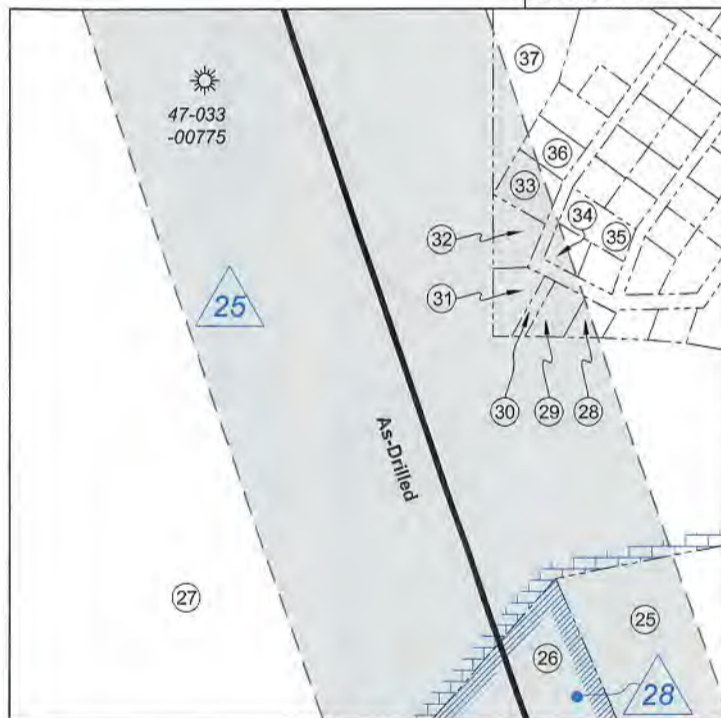
Detail 3 - 1" = 500'



Detail 1 - 1" = 500'



Detail 2 - 1" = 500'



FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-5H As-Drilled
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: December 6 2021
OPERATOR'S WELL NO. Antonio 1206 N-5H
API WELL NO
47 - 033 - 05982
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) _____

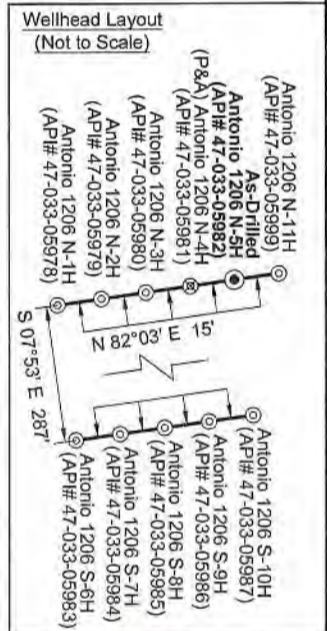
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,572' MD 8,246' TVD

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



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 / 74	Harriet June Ferree	1514 / 480	60.30
6	426 / 73	Charles R. & Franklin L. Sutton	1301 / 98	22.96
7	426 / 63	Charles R. & Franklin L. Sutton	1301 / 98	51.33
8	426 / 41	Charles R. & Franklin L. Sutton	1301 / 98	15.00
9	426 / 40	Charles R. & Franklin L. Sutton	1332 / 28	57.97
10	426 / 44	Charles R. & Franklin L. Sutton	1332 / 28	17.73
11	426 / 13	Antonio P., LLC	1503 / 291	149.74
12	426 / 25	Antonio P., LLC	1503 / 291	14.89
13	426 / 15	Antonio P., LLC	1503 / 291	3.22
14	426 / 16	Antonio P., LLC	1503 / 291	3.02
15	426 / 17	Antonio P., LLC	740 / 435	2.42
16	426 / 18	Antonio P., LLC	1503 / 291	1.16
17	426 / 19	Antonio P., LLC	1594 / 81	3.89
18	426 / 2	Antonio P., LLC	1503 / 291	26.13
19	426 / 3	Antonio P., LLC	1503 / 291	3.00
20	426 / 6	Antonio P., LLC	1503 / 288	0.80
21	426 / 5	Antonio P., LLC	1503 / 291	5.13
22	426 / 4	Antonio P., LLC	1503 / 291	22.04
23	406 / 29	Antonio P., LLC	1503 / 291	19.43
24	406 / 32	Antonio P., LLC	600 / 424	4.36
25	406 / 31	Antonio P., LLC	1503 / 291	14.65
26	406 / 30	Antonio P., LLC	1503 / 291	8.42
27	406 / 28	Antonio P., LLC	1503 / 291	176.82
28	406A / 31	Patrick & Amanda Gaughan	1391 / 1240	0.21
29	406A / 32	Patrick & Amanda Gaughan	1391 / 1240	0.30
30	406A / 39	Patrick & Amanda Gaughan	1391 / 1240	0.12
31	406A / 38	Brian Rowe	1445 / 1006	0.21
32	406A / 37	Brian Rowe	1445 / 1006	0.41
33	406A / 36	Bacel L. & Alma S. Rowe	1252 / 1133	0.43
34	406A / 30	Diana Swiger	1270 / 842	0.23
35	406A / 28	John & Erin Stout	1480 / 439	0.43
36	406A / 15	Bacel L. & Alma S. Rowe	1099 / 493	0.33
37	406 / 21.3	Marsha L. Romine	1510 / 304	3.17
38	406 / 19	Antonio P., LLC	1503 / 291	23.49
39	406 / 19.1	Harrison County BOE	1240 / 27	13.91
40	406 / 18.5	Bridgette A. & Richard L. Ward	1338 / 137	0.17
41	406 / 18.2	Bridgette A. & Richard L. Ward	1217 / 862	2.05
42	406 / 18	Bridgette A. & Richard L. Ward	1338 / 137	1.56
43	406 / 18.4	Bridgette A. & Richard L. Ward	1338 / 137	0.75
44	406 / 18.3	Harrison County BOE	1230 / 1024	5.00
45	406 / 18.1	Bridgette A. & Richard L. Ward	1217 / 862	0.94
46	406 / 8.1	Criss L. Bragg	1399 / 1240	0.91
47	406 / 8	Maxson Helen Louise, et al	1314 / 102	176.16
48	406 / 7.2	Richard A. & Wilma D. Fenstermacher	1075 / 1031	1.00
49	406 / 7.1	Michael L. & Clenta V. Bond	1087 / 304	1.00
50	406 / 7.3	Larry F. & Cynthia B. Lawrence	1081 / 530	1.00
51	406 / 7.4	David L. Stout	1630 / 128	1.00



ID	Lease
4	Alton Bell, et al
5	Alton Bell
6	Marcella R. Bond, et al
9	Orpha G. Davis, et al
11	Hugh C. Davis, et al
12	Hugh C. Davis, et al
16	Lewis M. Stout, et al
25	Porter Maxwell, et al
27	H.D. Smith, et al
28	Hattie Cummings, et al
39	HG Energy II Appalachia, LLC

FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-5H As-Drilled
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: December 6 2021
OPERATOR'S WELL NO. Antonio 1206 N-5H
API WELL NO
47 - 033 - 05982
STATE COUNTY PERMIT

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

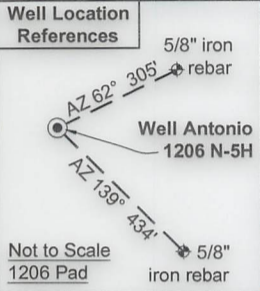
LOCATION: ELEVATION: 1,350' WATERSHED: Middle West Fork Creek
DISTRICT: Grant QUADRANGLE: West Milford
SURFACE OWNER: Charles R. & Franklin L. Sutton COUNTY: Boone
ROYALTY OWNER: Charles R. Sutton LEASE NO: ACREAGE: 30.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 8,246' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,572' 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



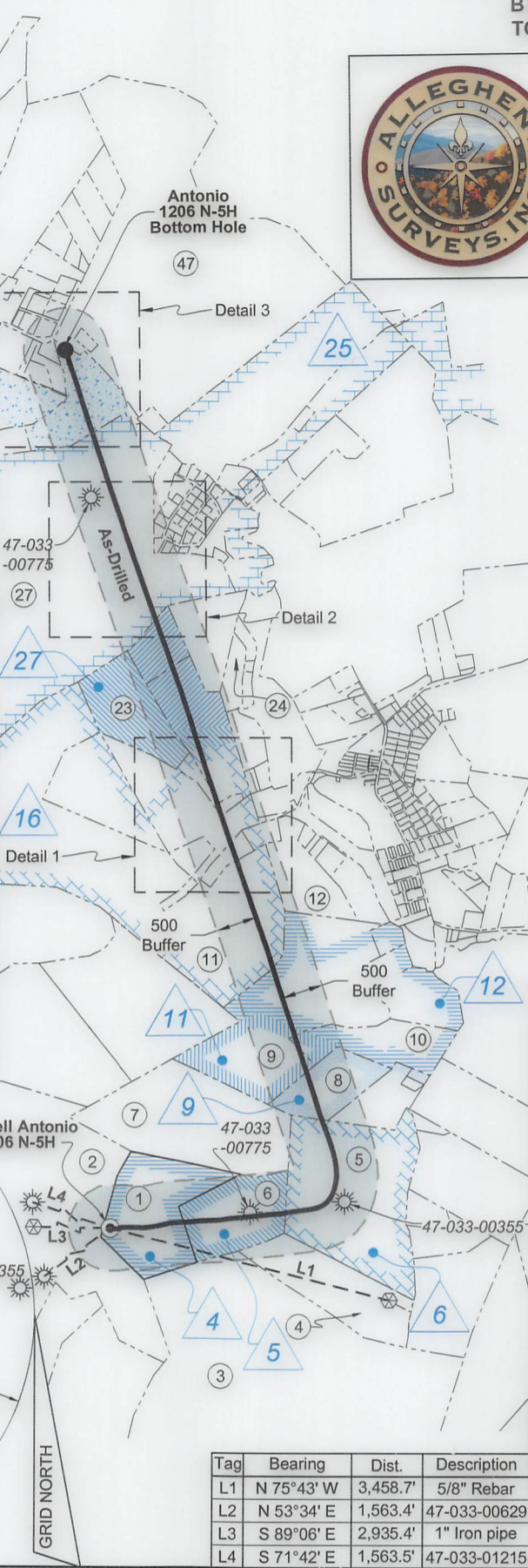
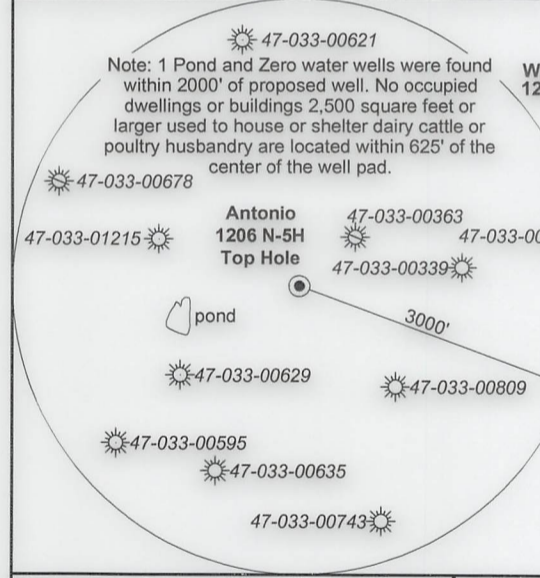
Legend	
	Proposed gas well
	Well Reference, as noted
	Monument, as noted
	Existing Well, as noted
	Existing Plugged Well, as noted
	Digitized Well, as noted
	Surface boundary (approx.)
	Interior surface tracts (approx.)
	Creek or Drain
	Existing Road

Notes:
Well No. Antonio 1206 N-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,220,788.57'
E: 1,815,534.19'
Landing Point Coordinates
N: 14,221,489.49'
E: 1,818,247.50'
Bottom Hole Coordinates
N: 14,231,273.72'
E: 1,815,016.35'



Notes: Well No. Antonio 1206 N-5H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates
Latitude: 39°09'28.89" Longitude: 80°22'56.65"
Bottom Hole coordinates
Latitude: 39°11'12.60" Longitude: 80°23'02.32"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,334,505.025m E: 553,375.928m
Bottom Hole Coordinates
N: 4,337,700.905m E: 553,218.090m

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



Tag	Bearing	Dist.	Description
L1	N 75°43' W	3,458.7'	5/8" Rebar
L2	N 53°34' E	1,563.4'	47-033-00629
L3	S 89°06' E	2,935.4'	1" Iron pipe
L4	S 71°42' E	1,563.5'	47-033-01215

FILE NO: 06-36-12-G-H-19
DRAWING NO: Antonio 1206 N-5H As-Drilled
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: December 6 2021
OPERATOR'S WELL NO. Antonio 1206 N-5H
API WELL NO
47 - 033 - 05982
STATE COUNTY PERMIT

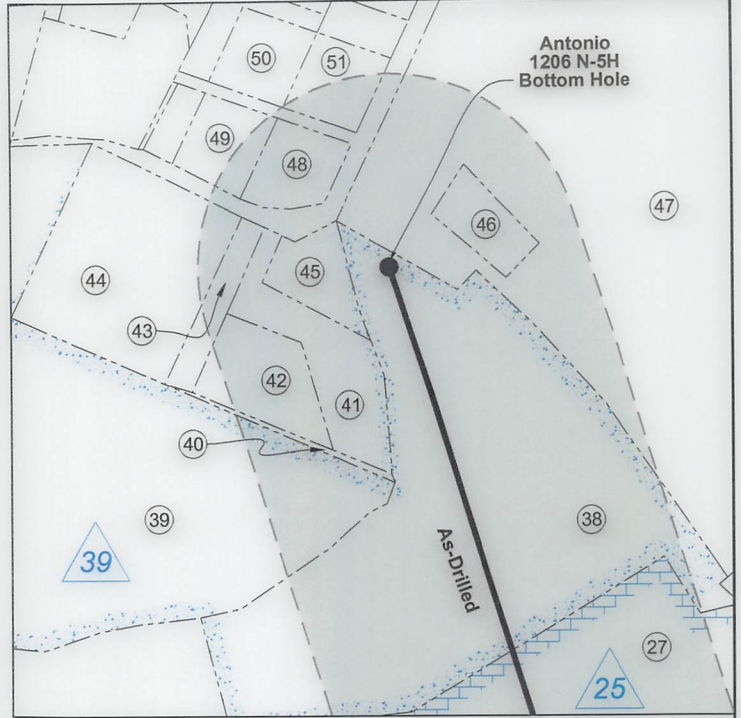
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,350' WATERSHED: Middle West Fork Creek
DISTRICT: Grant QUADRANGLE: West Milford
SURFACE OWNER: Charles R. & Franklin L. Sutton COUNTY: Grant
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: 8,246' TVD
18,572' MD

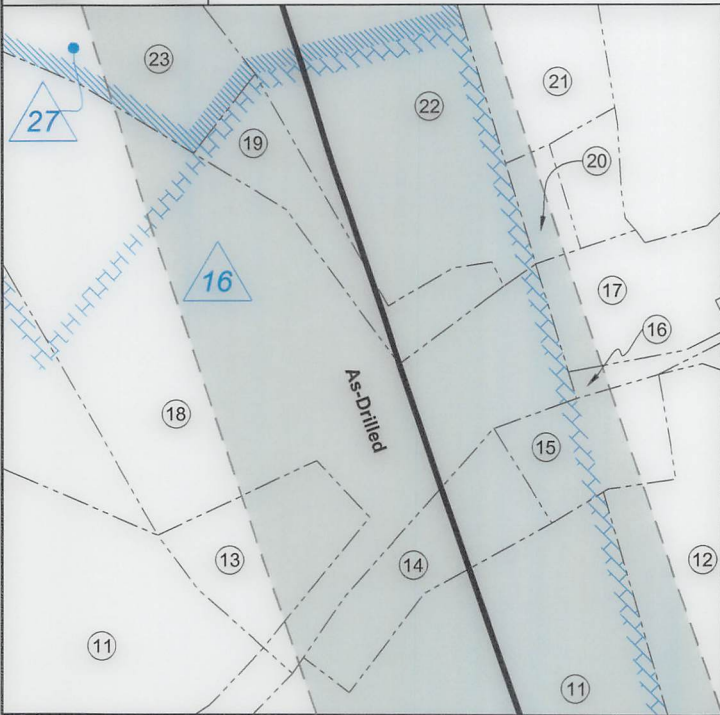
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
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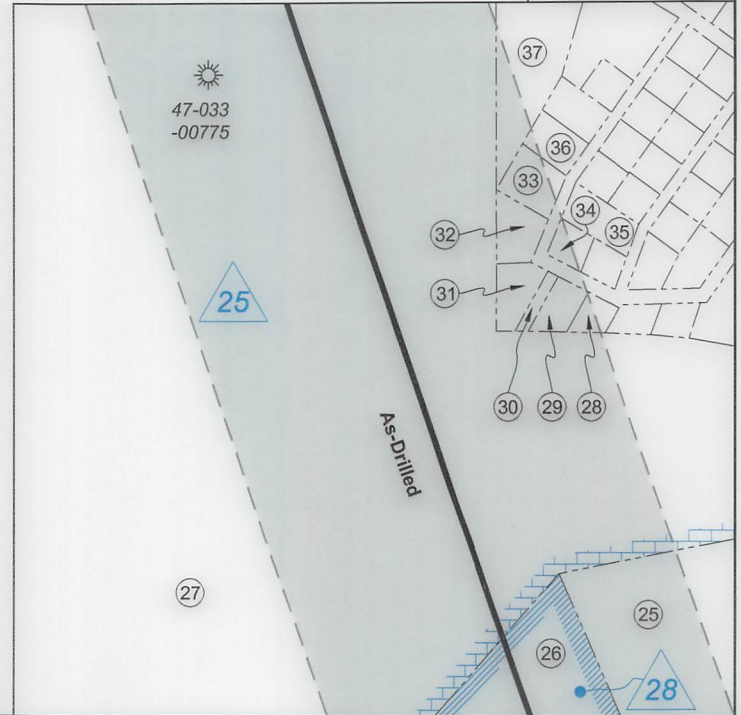
Detail 3 - 1" = 500'



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Detail 2 - 1" = 500'



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SCALE: 1" = 2000'
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Submeter
PROVEN SOURCE OF ELEVATION:
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: December 6 20 21
OPERATOR'S WELL NO. Antonio 1206 N-5H
API WELL NO
47 - 033 - 05982
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)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 8,246' TVD 18,572' MD

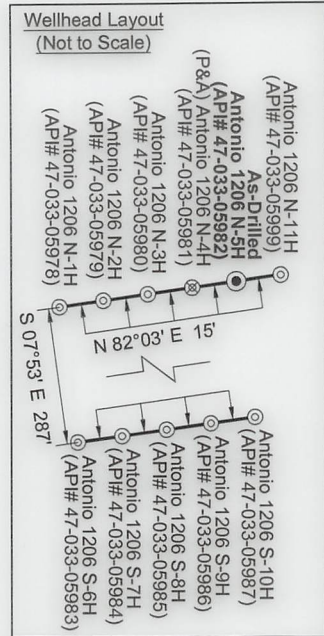
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ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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

05/10/2024



No.	TM / Par	Owner	Bk / Pg	Ac.
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CORS, Bridgeport, WV

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

DATE: December 6 20 21
OPERATOR'S WELL NO. Antonio 1206 N-5H
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47 - 033 - 05982
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
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