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

API 47 - 033 - 06009 County Harrison District Grant
Quad Mount Clare 7.5' Pad Name Schoen 1205 Field/Pool Name Fink/Kennedy
Farm name Schoen Well Number Schoen 1205 N5H
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 4333875.995	Easting 555996.515
Landing Point of Curve	Northing 4334183.454	Easting 556884.710
Bottom Hole	Northing 4338835.852	Easting 555229.241

Elevation (ft) 1407 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/WBM(gas storage)/ OBM
Barite, Lime, CaCL, base oil, Gilsonite, Asphalt, clay, Emulsifier, sulfatone, safevert FLG, safevert WA

Date permit issued 5/19/2021 Date drilling commenced 9/21/2021 Date drilling ceased 4/13/2023
Date completion activities began 5/4/2023 Date completion activities ceased 9/28/2023
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 149, 416 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1615 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 416,818,1058 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) No

Reviewed by: _____
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API 47- 033 - 06009 Farm name Schoen Well number Schoen 1205 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"	120	New	157 lbs/ft		Drilled in
Surface	26"	20"	1203	New	94 lbs/ft J-55		yes 110 bbl to surface
Coal							
Intermediate 1	17.5"	13.375"	2117	New	68 lbs/ft J55		yes 124 bbl to surface
Intermediate 2	12.25"	9.625"	5905	New	40 lbs/ft L80-J55		yes 110 bbl to surface
Intermediate 3							
Production	8.5	5.5	24632	New	23 lbs/ft P-110HP		yes 320 bbl to surface
Tubing							
Packer type and depth set							

Comment Details cement squeeze plug set 1650-1050' due to hole making ~1000 bph water, then losses (3500 bbl water gain total, loaded hole with KCL water in casing to 5811'), pumped 234 bbl 16.0 ppg w/ 20% excess.12/20/2022

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft^3/sks)	Volume (ft^3)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	Class A	1159/964	15/15.6	1.15/1.11	1333/1070	Surface	8
Coal							
Intermediate 1	Class A	1717/487	16/16.4	1.2/1.14	2060/555	Surface	24
Intermediate 2	Class A	744/234	10.5/15.2	2.97/1.5	2210/351	Surface	8
Intermediate 3							
Production	Class A	1023/703/3435	13.5/13.5/14.8	1.82/1.67/1.34	1862/1174/4603	Surface	8
Tubing							

Drillers TD (ft) 24662 Loggers TD (ft) ___
Deepest formation penetrated Marcellus Plug back to (ft) ___
Plug back procedure ___

Kick off depth (ft) 7575

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 every 3 joints to surface
13.375" casing: Bow spring centralizer on every joint
9.625" casing: Bow spring on first 2 joints then every 3rd joint to 100' from surface
5.5" casing: Centralizer run every 3 joints to top of curve (KOP) then centralizers placed every 5 joints to surface

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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 ___

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API 47- 033 - 06009 Farm name Schoen Well number Schoen 1205 N5H

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					

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Please insert additional pages as applicable.

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HG Energy II Appalachia, LLC
Schoen 1205 N-5H
Stimulation Record

Stage #	Date	Average Pump Rate (BPM)	Average Treament Pressure (PSI)	Maximum Breakdown	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	7/1/2023	62.0	10506	10705	5281	2000	4,160
2	7/6/2023	77.0	9,747	10,362	4,749	710000	14,972
3	7/7/2023	80.0	9,953	10,699	4,672	499100	13,080
4	7/7/2023	73.0	10,026	10,618	4,370	361900	12,771
5	7/7/2023	77.0	9,871	10,583	5,110	702500	13,179
6	7/8/2023	74.0	9,869	10,518	5,100	705000	12,728
7	7/9/2023	74.0	9,856	10,484	5,110	705500	10,623
8A	7/9/2023	37.0	8,842	10,912	5,385	5400	3,760
8B	7/10/2023	82.0	10,236	10,914	5,150	705500	10,058
9	7/10/2023	75.0	10,068	10,960	5,151	510800	9,057
10	7/11/2023	78.0	10,016	10,350	5,198	705500	9,784
11	7/11/2023	81.3	10,060	10,502	4,891	705500	9,785
12	7/17/2023	78.3	10,130	10,966	5,451	705500	9,805
13	7/18/2023	76.3	10,063	10,333	5,147	705500	10,257
14	7/18/2023	79.7	10,411	10,716	4,713	450770	8,465
15	7/18/2023	79.0	10,171	10,589	5,340	705500	10,230
16	7/19/2023	79.6	10,233	10,705	4,631	614970	10,517
17	7/19/2023	76.6	10,226	10,571	5,617	672350	9,981
18	7/20/2023	81.0	10,333	10,878	4,920	418940	9,890
19	7/20/2023	78.0	10,055	10,727	4,581	705500	11,528
20	7/21/2023	76.0	10,018	10,960	4,573	705500	9,849
21	7/21/2023	75.0	10,221	10,676	4,509	705500	10,853
22	7/22/2023	81.0	10,116	10,542	5,067	705500	9,950
23	7/22/2023	81.0	10,221	10,420	4,659	705500	10,742
24	7/23/2023	83.0	10,176	10,785	4,439	705500	11,113
25	7/23/2023	82.0	9,974	10,785	4,320	705500	10,941
26A	7/24/2023	64.0	10,393	10,907	5,344	7000	2,763
26B	7/24/2023	84.0	10,039	10,740	4,655	705500	9,831
27A	7/25/2023	59.0	10,382	11,007	5,137	8000	3,000
27B	7/25/2023	84.0	10,106	10,675	4,409	705500	11,773
28	7/31/2023	79.0	10,035	10,571	4,851	705500	10,842
29	7/31/2023	83.0	10,228	10,751	4,330	705500	9,889
30	8/1/2023	90.0	10,214	10,880	4,062	705500	10,406
31	8/1/2023	81.0	10,237	10,679	5,334	467500	8,277
32A	8/2/2023	66.0	10,055	11,001	4,664	6000	2,551
32B	8/2/2023	91.0	10,171	10,611	4,261	699500	9,769
33	8/2/2023	94.0	10,163	10,623	5,105	700000	9,769
34	8/3/2023	85.0	10,143	10,664	4,960	700000	10,045
35	8/3/2023	81.0	10,108	10,805	4,670	700000	10,391
36	8/4/2023	91.0	10,147	10,605	4,612	700000	9,768
37	8/4/2023	91.0	10,165	10,728	4,735	700000	10,620
38	8/5/2023	85.0	10,126	10,664	4,185	511000	10,313
39A	8/5/2023	27.0	7,504	10,489	5,060	0	2,500
39B	8/6/2023	96.0	10,199	10,786	4,418	700000	10,559
40	8/6/2023	85.0	10,190	10,710	4,885	667900	9,573
41	8/6/2023	92.0	10,177	10,576	4,558	700000	9,608
42	8/7/2023	87.0	9,984	10,815	5,174	705500	12,417
43	8/7/2023	90.0	10,192	10,623	4,722	646300	10,463
44	8/8/2023	88.0	10,173	10,640	5,117	415400	8,578
45	8/8/2023	85.0	10,043	10,553	4,648	705500	9,825
46A	8/16/2023	43.0	9,338	11,385	5,283	4172	3,039

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46B	8/16/2023	101.0	10,015	10,716	5,152	705500	9,735
47	8/17/2023	90.0	9,961	10,611	5,384	700000	9,542
48A	8/18/2023	39.0	9,603	11,355	5,114	4000	2,627
48B	8/18/2023	94.0	9,592	10,315	5,372	697000	9,902
49	8/18/2023	91.0	9,876	10,371	5,080	705500	9,798
50	8/19/2023	96.0	9,782	10,480	4,529	705500	9,803
51	8/19/2023	90.0	10,102	10,762	5,019	705500	9,575
52	8/20/2023	95.0	9,883	10,429	4,934	705500	9,588
53	8/20/2023	85.0	10,179	10,896	4,895	710000	10,248
54	8/21/2023	95.0	10,015	10,698	4,400	710000	10,323
55	8/21/2023	73.0	10,113	11,000	4,219	710000	11,956
56	8/22/2023	98.0	9,931	10,524	4,824	710000	11,454
57	8/22/2023	99.0	9,960	10,588	5,016	698900	11,464
58	8/30/2023	104.0	9,989	10,682	4,617	710000	9,454
59	8/30/2023	100.0	9,162	10,763	4,619	710000	10,603
60	8/31/2023	99.0	9,443	10,298	5,137	695400	9,332
61	8/31/2023	91.0	9,083	10,646	4,042	710000	11,629
62	9/1/2023	96.0	9,663	10,595	4,313	710000	11,184
63	9/1/2023	106.0	9,927	10,664	4,556	710000	11,468
64	9/2/2023	102.0	10,072	10,669	5,251	710000	11,196
65	9/2/2023	101.0	10,172	10,687	5,323	710000	11,197
66	9/3/2023	104.0	10,060	10,716	5,042	710000	11,090
67	9/3/2023	92.0	10,210	10,687	4,676	710000	11,436
68	9/4/2023	91.0	10,082	10,646	4,468	710000	12,440
69	9/4/2023	102.0	10,195	10,675	4,481	710000	12,305
70	9/5/2023	93.0	9,952	10,704	4,221	710000	12,094
71	9/5/2023	95.0	9,752	10,442	4,926	710000	12,312
72	9/13/2023	93.0	10,106	10,344	4,691	710000	11,984
73	9/14/2023	75.0	9,955	10,780	4,580	710000	13,319
74	9/15/2023	98.0	9,899	10,297	4,686	710000	11,835
75	9/16/2023	99.0	9,961	10,420	4,462	710000	11,690
76	9/17/2023	99.0	9,959	10,455	5,497	710000	11,852
77	9/18/2023	97.0	10,036	10,687	5,306	710000	12,050
78	9/19/2023	98.0	10,026	10,689	4,445	710000	11,949
79	9/20/2023	97.0	9,889	10,380	5,258	710000	11,766
80	9/21/2023	103.0	10,012	10,542	5,827	710000	11,724
81	9/22/2023	96	10,019	10,716	5,144	710000	11,734
82	9/23/2023	101	9,824	10,414	9,515	710000	11,779
83	9/24/2023	101	9,379	10,321	5,894	710000	12,095
84	9/25/2023	99	9,642	10,193	4,661	709999	11,653

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HG Energy II Appalachia, LLC
Schoen 1205 N-5H
Perforation Record

Stage #	Perforation Date	Perforations From Depth	Perforations to Depth	Number of Perforations	Formation
Sleeve/1	7/1/2023	24584	24561	2	Marcellus
2	7/6/2023	24528	24360	28	Marcellus
3	7/7/2023	24334	24166	28	Marcellus
4	7/7/2023	24140	23972	28	Marcellus
5	7/7/2023	23946	23778	28	Marcellus
6	7/8/2023	23752	23584	28	Marcellus
7	7/9/2023	23558	23390	28	Marcellus
8A	7/9/2023	23364	23196	28	Marcellus
8B	7/10/2023	23364	23166	56	Marcellus
9	7/10/2023	23137	22987	28	Marcellus
10	7/11/2023	22958	22808	28	Marcellus
11	7/11/2023	22782	22614	28	Marcellus
12	7/17/2023	22588	22420	28	Marcellus
13	7/18/2023	22394	22226	28	Marcellus
14	7/18/2023	22200	22032	28	Marcellus
15	7/18/2023	22006	21838	28	Marcellus
16	7/19/2023	21812	21644	28	Marcellus
17	7/19/2023	21618	21450	28	Marcellus
18	7/20/2023	21424	21256	28	Marcellus
19	7/20/2023	21230	21062	28	Marcellus
20	7/21/2023	21036	20868	28	Marcellus
21	7/21/2023	20842	20674	28	Marcellus
22	7/22/2023	20648	20480	28	Marcellus
23	7/22/2023	20454	20286	28	Marcellus
24	7/23/2023	20260	20092	28	Marcellus
25	7/23/2023	20066	19898	28	Marcellus
26A	7/24/2023	19872	19704	28	Marcellus
26B	7/24/2023	19872	19674	56	Marcellus
27A	7/25/2023	19645	19495	28	Marcellus
27B	7/25/2023	19645	19465	56	Marcellus
28	7/31/2023	19466	19316	28	Marcellus
29	7/31/2023	19290	19122	28	Marcellus
30	8/1/2023	19096	18928	28	Marcellus
31	8/1/2023	18902	18734	28	Marcellus
32A	8/2/2023	18708	18540	28	Marcellus
32B	8/2/2023	18708	18540	56	Marcellus
33	8/2/2023	18481	18510	28	Marcellus
34	8/3/2023	18302	18152	28	Marcellus
35	8/3/2023	18126	17958	28	Marcellus
36	8/4/2023	17932	17764	28	Marcellus
37	8/4/2023	17738	17570	28	Marcellus
38	8/5/2023	17544	17376	28	Marcellus
39A	8/5/2023	17350	17182	28	Marcellus
39B	8/6/2023	17350	17152	56	Marcellus
40	8/6/2023	17123	16973	28	Marcellus
41	8/6/2023	16944	16794	28	Marcellus
42	8/7/2023	16768	16600	28	Marcellus
43	8/7/2023	16574	16406	28	Marcellus
44	8/8/2023	16380	16212	28	Marcellus
45	8/8/2023	16186	16018	28	Marcellus
46A	8/16/2023	15992	15824	28	Marcellus

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46B	8/16/2023	15992	15,794	56	Marcellus
47	8/17/2023	15765	15615	28	Marcellus
48A	8/18/2023	15586	15436	28	Marcellus
48B	8/18/2023	15586	15406	56	Marcellus
49	8/18/2023	15377	15227	28	Marcellus
50	8/19/2023	15198	15048	28	Marcellus
51	8/19/2023	15022	14854	28	Marcellus
52	8/20/2023	14828	14660	28	Marcellus
53	8/20/2023	14634	14466	28	Marcellus
54	8/21/2023	14440	14272	28	Marcellus
55	8/21/2023	14246	14078	28	Marcellus
56	8/22/2023	14052	13884	28	Marcellus
57	8/22/2023	13858	13690	28	Marcellus
58	8/30/2023	13664	13496	28	Marcellus
59	8/30/2023	13470	13302	28	Marcellus
60	8/31/2023	13276	13108	28	Marcellus
61	8/31/2023	13082	12914	28	Marcellus
62	9/1/2023	12888	12720	28	Marcellus
63	9/1/2023	12694	12526	28	Marcellus
64	9/2/2023	12500	12332	28	Marcellus
65	9/2/2023	12306	12138	28	Marcellus
66	9/3/2023	12112	11944	28	Marcellus
67	9/3/2023	11918	11750	28	Marcellus
68	9/4/2023	11724	11556	28	Marcellus
69	9/4/2023	11530	11362	28	Marcellus
70	9/5/2023	11336	11168	28	Marcellus
71	9/5/2023	11142	10974	28	Marcellus
72	9/13/2023	10948	10780	28	Marcellus
73	9/14/2023	10754	10586	28	Marcellus
74	9/15/2023	10560	10392	28	Marcellus
75	9/16/2023	10366	10198	28	Marcellus
76	9/17/2023	10172	10004	28	Marcellus
77	9/18/2023	9978	9810	28	Marcellus
78	9/19/2023	9784	9616	28	Marcellus
79	9/20/2023	9590	9422	28	Marcellus
80	9/21/2023	9396	9228	28	Marcellus
81	9/22/2023	9202	9034	28	Marcellus
82	9/23/2023	9008	8840	28	Marcellus
83	9/24/2023	8814	8646	28	Marcellus
84	9/25/2023	8620	8452	28	Marcellus

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API 47- 033 - 06009 Farm name Schoen Well number Schoen 1205 N5H

PRODUCING FORMATION(S)	DEPTHS			
Marcellus	7234-7412	TVD	8439-24662	MD

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ■ Open Flow OIL TEST ☐ Flow ☐ Pump

SHUT-IN PRESSURE Surface 2432 psi Bottom Hole _____ psi DURATION OF TEST 703 hrs

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY
	24260 mcfpd	____ bpd	____ bpd	1080 bpd	☐ Estimated ■ Orifice ☐ Pilot

LITHOLOGY/ FORMATION NAME	TOP DEPTH IN FT 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_2S, ETC)
	0		0		
	See Attached				

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Drilling Contractor Patterson Drilling
Address 2198 University Drive City Lemont Furnace State PA Zip 15456

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 5/21/2025

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

JR 8-13-2025

09/19/2025

HG Energy II Appalachia, LLC
Schoen 1205 N-5H
Lithology Information

Formation	Top MD	Top TVD	Base MD	Base TVD
Coal	416	416	420	420
Coal	818	818	824	824
1st salt sand	894	894	1021	1021
Deepest Coal	1058	1058	1061	1061
2nd salt sand	1062	1062	1126	1126
3rd salt sand	1154	1154	1268	1268
Maxton	1285	1285	1408	1408
Little Lime	1518	1516	1543	1543
Big Lime	1556	1556	1604	1604
Big Injun	1634	1634	1739	1739
Gantz	1944	1944	2012	2012
50 foot sand	2032	2032	2135	2135
Casing depth	2145		set depth	2117
30 foot sand	2154	2154	2193	2193
Gordon Stray	2235	2235	2288	2288
Gordon Sand	2288	2288	2350	2350
4th sand	2358	2358	2382	2381
4th A sand	2408	2407	2421	2420
Fifth sand	2479	2478	2510	2508
Warren	2873	2866	2899	2891
Upper Speechley	3079	3067	3110	3097
Lower Speechley	3177	3161	3209	3191
Balltown	3412	3381	3432	3399
Bradford	3880	3804	3941	3858
Benson	4729	4467	4764	4491
Alexander	5217	4814	5574	5074
Elk	5829	5261	5872	5294
Casing depth	5945	drill	5905	5318
Rhinestreet	7275	6364	7563	6588
Cashaqua	7563	6588	7802	6776
Middlesex	7802	6776	7946	6890
West River	7946	6890	8107	7017
Burket	8107	7017	8147	7048
Tully	8147	7048	8281	7146
Hamilton	8281	7146	8377	7205
Marcellus	8377	7205	24662	7412

RECEIVED
Office of Oil and Gas
JUN 02 2025
WV Department of
Environmental Protection

09/19/2025

HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled

Page 1 of 5

ALLEGHENY SURVEYS, INC.

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.

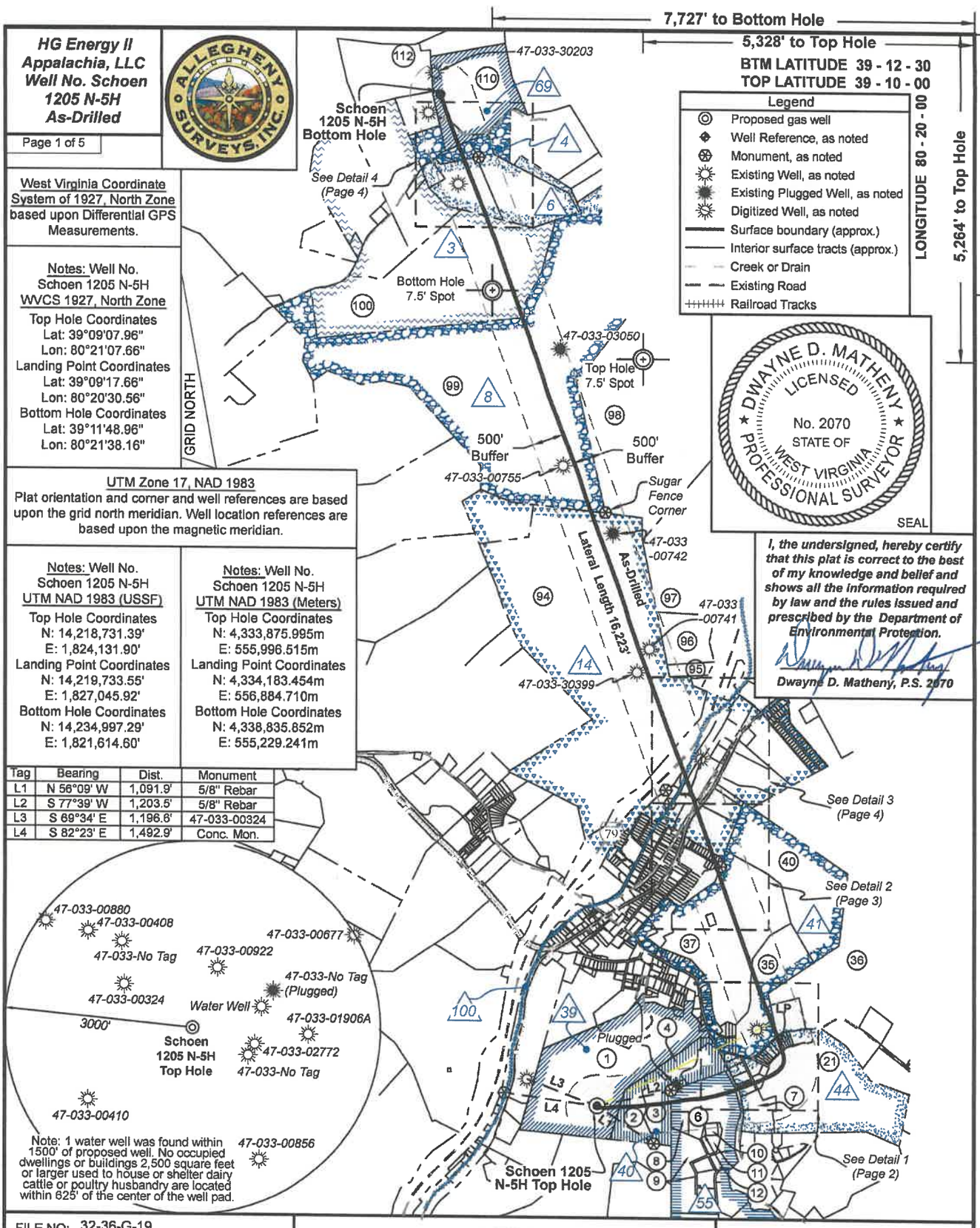
Notes: Well No. Schoen 1205 N-5H
WVCS 1927, North Zone
Top Hole Coordinates
Lat: 39°09'07.96"
Lon: 80°21'07.66"
Landing Point Coordinates
Lat: 39°09'17.66"
Lon: 80°20'30.56"
Bottom Hole Coordinates
Lat: 39°11'48.96"
Lon: 80°21'38.16"

UTM Zone 17, NAD 1983
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Notes: Well No. Schoen 1205 N-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,731.39'
E: 1,824,131.90'
Landing Point Coordinates
N: 14,219,733.55'
E: 1,827,045.92'
Bottom Hole Coordinates
N: 14,234,997.29'
E: 1,821,614.60'

Notes: Well No. Schoen 1205 N-5H
UTM NAD 1983 (Meters)
Top Hole Coordinates
N: 4,333,875.995m
E: 555,996.515m
Landing Point Coordinates
N: 4,334,183.454m
E: 556,884.710m
Bottom Hole Coordinates
N: 4,338,835.852m
E: 555,229.241m

Tag	Bearing	Dist.	Monument
L1	N 56°09' W	1,091.9'	5/8" Rebar
L2	S 77°39' W	1,203.5'	5/8" Rebar
L3	S 69°34' E	1,196.6'	47-033-00324
L4	S 82°23' E	1,492.9'	Conc. Mon.



DWAYNE D. MATHENY LICENSED No. 2070 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR 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, P.S. 2070

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N5H Well Plat
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: May 14 2025
OPERATOR'S WELL NO. Schoen 1205 N-5H

API WELL NO
47 — 033 — 06009
STATE COUNTY PERMIT

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

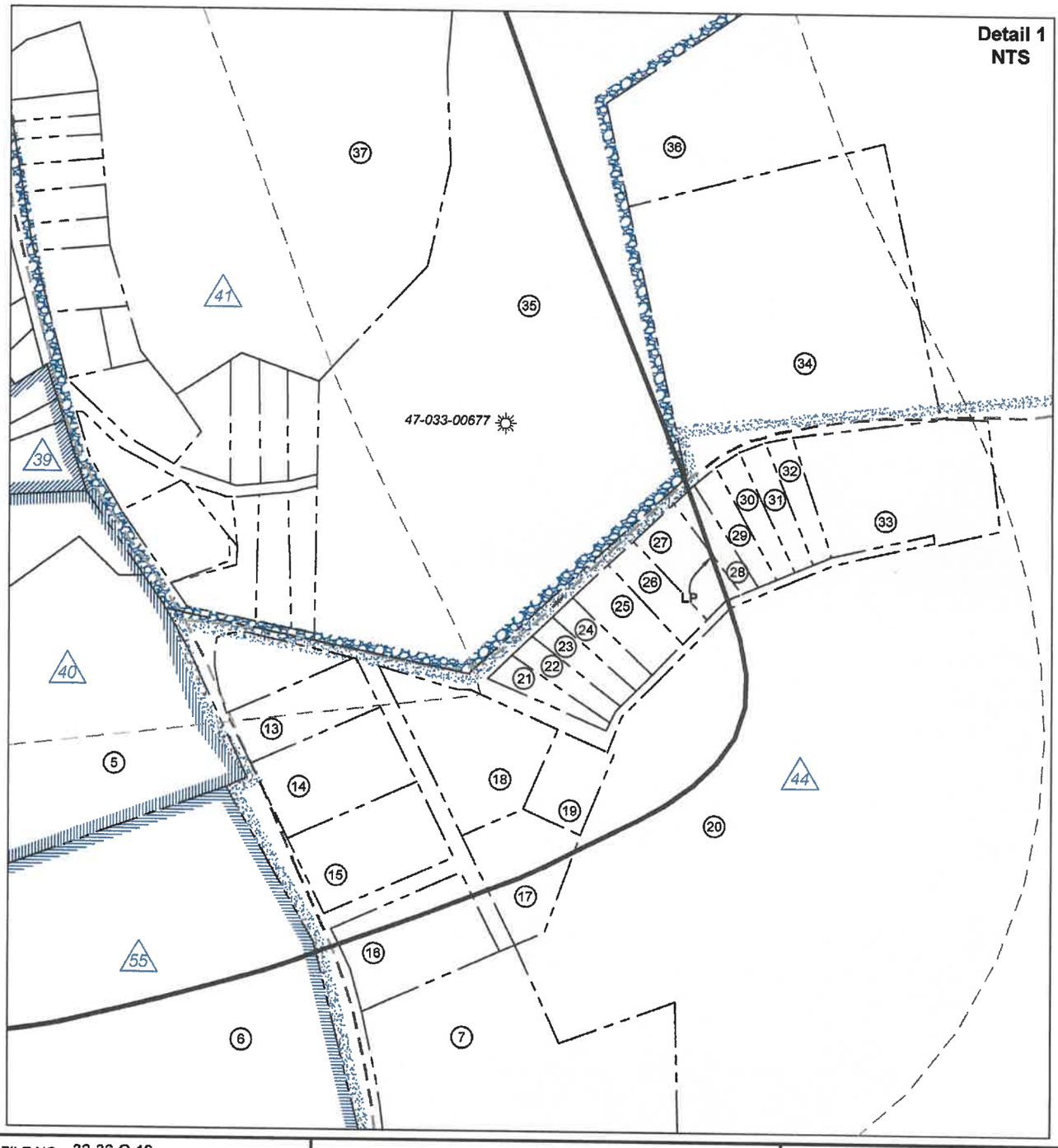
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
QUADRANGLE: Top: Mount Clare Btm: West Milford
DISTRICT: Grant / Union
COUNTY: Harrison
SURFACE OWNER: George & Rosanne Schoen
ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al
LEASE NO: ACREAGE: 78.20
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,412' TVD 24,662' MD

09/19/2025

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. Schoen 1205 N-5H
As-Drilled



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

DATE: May 14 20 25
OPERATOR'S WELL NO. Schoen 1205 N-5H

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47 — 033 — 06009
STATE COUNTY PERMIT

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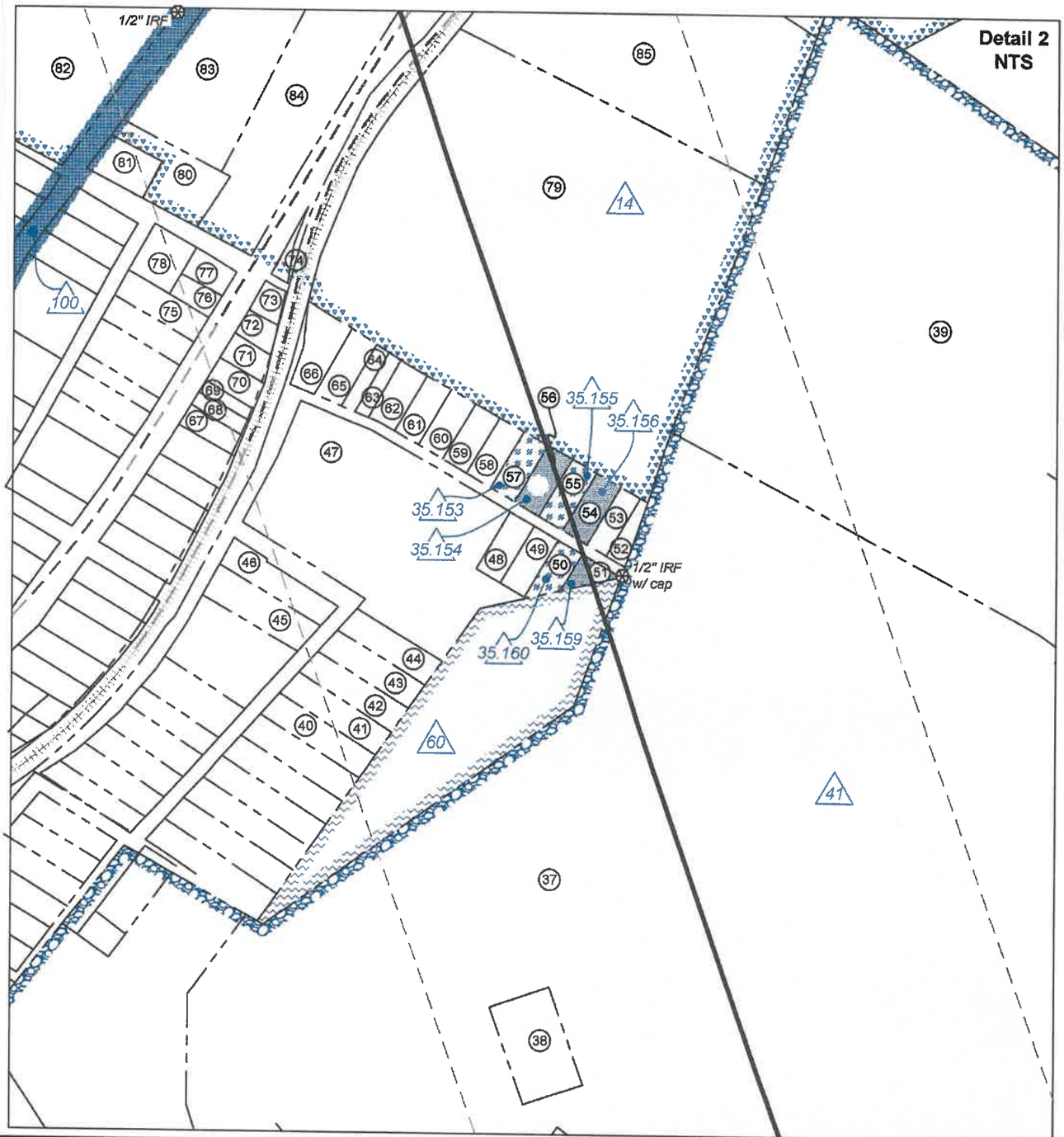
09/19/2025

HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled



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

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47 — 033 — 06009
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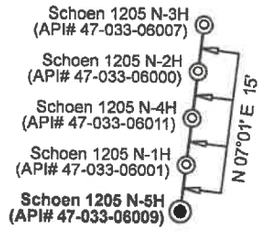
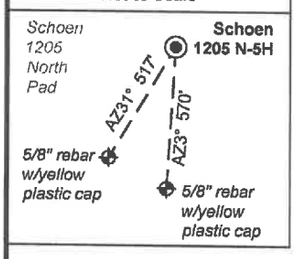
09/19/2025

HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled

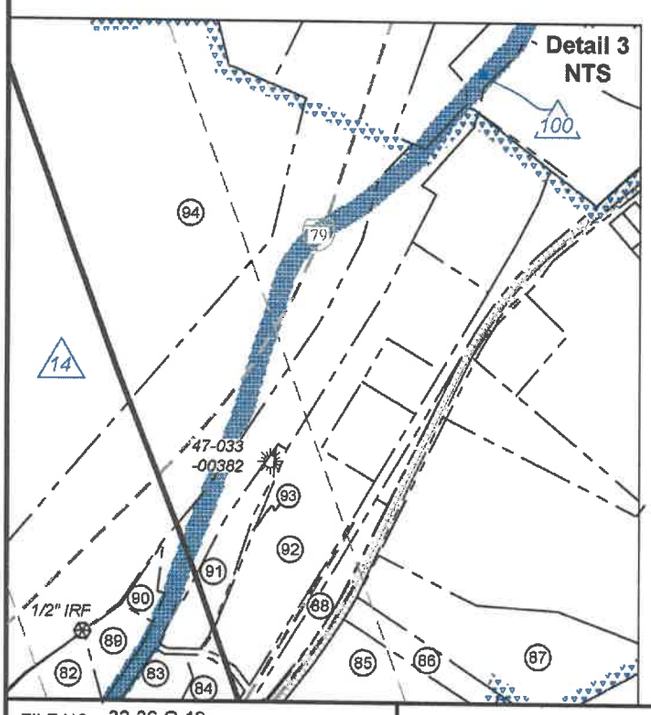
Wellhead Layout (NTS)

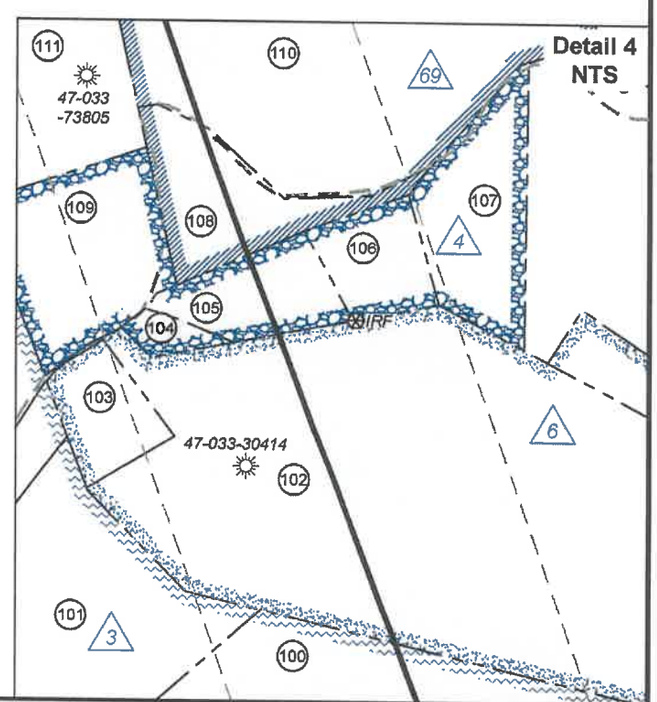


Well Location References
Not to Scale



ID	Lease
3	Emory L. & Elzia P. Stout
4	Cassie G. Smith, et al
6	Edna M. Swisher, et al
8	Porter & Bertha B. Maxwell, et al
14	Mollie V. Bassell, et al
35.153	Brenda Joyce Cogar, et al
35.154	Charles D. Leeson
35.155	Charles D. Leeson
35.156	Charles D. Leeson
35.159	Charles D. Leeson
35.160	Charles D. Leeson
39	A.B. Post, et al
40	John H. & Charlotte C. Gerlach
41	D.L. & Margaret R. Nutter
44	Milton S. & Mary I. Davis
55	French S. & Anna J. Young
60	Betty J. & Isaac H. Maxwell, III
69	Jo Ann Murtha
100	WVDOT, Division of Highways





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

DATE: May 14 20 25
OPERATOR'S WELL NO. Schoen 1205 N-5H

API WELL NO
47 — 033 — 06009
STATE COUNTY PERMIT

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ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
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☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,412' TVD 24,662' 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

09/19/2025

HG Energy II Appalachia, LLC Well No. Schoen 1205 N-5H As-Drilled

No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 2	George & Rosanne Schoen	1148 / 1059	65.00
2	447 / 3	George & Rosanne Schoen	1253 / 302	10.06
3	447 / 3.4	Stephen M & Kimberly Goff	1257 / 189	7.67
4	447 / 3.3	Charlotte C. Gerlach	1070 / 1041	6.10
5	447 / 3.2	Michael Tillman & Mary Hencke	1257 / 193	5.86
6	447 / 4.1	Joseph & Karen Bowers	1295 / 887	21.87
7	447 / 6.1	Michael & Charlotte Moses	1364 / 7	7.20
8	447 / 4.14	Sarah N. & Andrew D. Spitler	1622 / 331	2.00
9	447 / 4.1	H. Keith & Diana L. Bramel	1438 / 63	7.46
10	447 / 4.10	John L. Breen	1512 / 1161	0.92
11	447 / 4.7	John L. Breen	1512 / 1161	2.21
12	447 / 4.12	John L. Breen	1512 / 1161	0.17
13	2105 / 119	Church of God Trustees	1097 / 818	Lot 23
14	2105 / 120	Church of God Trustees	1097 / 818	Lot 24
15	2105 / 121	Charles & Mitzie Reider	1646 / 958	0.88
16	2105 / 122	Janice Dean	1456 / 1011	0.99
17	2105 / 57	Thomas & Terri Hawkins	1558 / 1255	0.76
18	2105 / 56	Thomas & Terri Hawkins	1558 / 1255	1.41
19	2105 / 58	Thomas & Terri Hawkins	1558 / 1255	0.38
20	447 / 6	Thomas E. & Terri E. Hawkins	1558 / 1255	84.25
21	2105 / 59	Mary Ann Bowyer, et al	F1118 / 63	0.23
22	2105 / 60	Mary Ann Bowyer, et al	F118 / 63	0.22
23	2105 / 61	Lisa Hickman	1621 / 760	0.21
24	2105 / 62	Lisa Hickman	1621 / 760	0.20
25	2105 / 63	Lisa Hickman	1621 / 760	0.38
26	2105 / 64	David W. Stutler	1482 / 433	0.28
27	2105 / 65	Jean Riffle Estate	--- / ---	0.42
28	2105 / 67	Jean Riffle Estate	--- / ---	0.21
29	2105 / 68	Jean Riffle Estate	--- / ---	0.25
30	2105 / 69	Jean Riffle Estate	--- / ---	0.26
31	2105 / 70	Kevin R. Kolenda	1257 / 800	0.26
32	2105 / 71	Kevin R. Kolenda	1257 / 800	0.26
33	2105 / 73	Paul Winnters Estate	W201 / 472	1.53
34	427 / 28.1	Allen Scott Hall	1265 / 589	5.40
35	427 / 34	Worthy C. Hall	1577 / 626	27.00
36	427 / 28	Worthy C. Hall	1577 / 626	248.44
37	427 / 33	Isaac & Betty Maxwell	1539 / 141	72.00
38	427 / 33.1	Greater Harrison Co.	1424 / 1161	0.48
39	427 / 27	Worthy C. Hall	1577 / 626	51.75
40	2103 / 94	Candice S. Wheeler	W125 / 113	0.25
41	2103 / 88	Candice S. Wheeler	W125 / 113	0.24
42	2103 / 82	Candice S. Wheeler	W125 / 113	0.23
43	2103 / 75	Candice S. Wheeler	W125 / 113	0.22
44	2103 / 68	Candice S. Wheeler	W125 / 113	0.22
45	2103 / 74	Eugene N. & Linda S. Alkire	1131 / 636	0.23
46	2103 / 67	Charles Melton Estate, et al	--- / ---	0.26
47	2103 / 37	Christian R. Grymes	1516 / 139	2.95
48	2103 / 38	Charles D. Lesson	1585 / 664	---
49	2103 / 39	Charles D. Lesson	1585 / 664	---
50	2103 / 40	Charles D. Lesson	1585 / 664	---
51	2103 / 41	Charles D. Lesson	1585 / 664	---
52	2103 / 26	Charles D. Lesson	1585 / 664	---
53	2103 / 25	Charles D. Lesson	1585 / 664	---
54	2103 / 24	Charles D. Lesson	1585 / 664	---
55	2103 / 23	Charles D. Lesson	1585 / 664	---
56	2103 / 22	Charles D. Lesson	1585 / 664	---
57	2103 / 21	Joshua & Harley Miller Cogar	W174 / 683	---
58	2103 / 20	Joshua & Harley Miller Cogar	W174 / 683	---
59	2103 / 19	Dennis W. & Rose M. Chamberlain	1335 / 911	---
60	2103 / 18	Dennis W. & Rose M. Chamberlain	1335 / 911	---
61	2103 / 17	Jonah E. Cogar	1432 / 493	---
62	2103 / 16	Jonah E. Cogar	1432 / 493	---
63	2103 / 15.1	Jonah E. Cogar	1432 / 493	---
64	2103 / 15	Eugene R. Smith Jr.	1329 / 532	---
65	2103 / 14	Eugene R. Smith Jr.	1329 / 532	---
66	2103 / 13	Drexal L. Mullen	W134 / 323	---
67	2103 / 51	Judith A. Corkrean	1148 / 474	0.11
68	2103 / 46	Judith A. Corkrean	1148 / 474	---
69	2103 / 46.1	Judith A. Corkrean	1148 / 474	---
70	2103 / 36	Judith A. Corkrean	1148 / 474	---
71	2103 / 31	Beverly A. Foster	1096 / 205	---
72	2103 / 12	Beverly A. Foster	1096 / 20	---
73	2103 / 7	Beverly A. Foster	1096 / 205	---
74	2103 / 2	Beverly A. Foster	1096 / 205	---
75	2103 / 30	Gregory A. Foster	1404 / 455	---
76	2103 / 11	Gregory A. & Beverly A. Foster	1256 / 109	---
77	2103 / 6	Gregory A. & Beverly A. Foster	1256 / 109	---
78	2103 / 11.1	Joshua D. Messenger	1492 / 197	0.24
79	427 / 13	Dennis & Rose Chamberlain	1321 / 102	9.25
80	427 / 1.12	Jerry & Myrna Kincaid	1484 / 1045	0.30
81	2103 / 1	Jerry & Myrna Kincaid	1484 / 1045	0.19
82	427 / 1.6	Michel M. Lewis	1598 / 301	2.45
83	427 / 1.7	Apostolic Christian	1598 / 301	3.83
84	427 / 1.13	Apostolic Christian	1598 / 296	1.80
85	427 / 14	Debra & David Shriver	1218 / 787	4.19
86	427 / 15	Reid & Vicki Smith	1506 / 332	0.63
87	427 / 16	Reid & Vicy Smith	1336 / 710	4.21
88	427 / 1.10	Charles & Nancy Shock	1299 / 472	0.80
89	427 / 1.5	Michel M. Lewis	1444 / 142	0.76
90	427 / 1.4	Walter & David Nutter	0.25	0.25
91	427 / 1.8	Apostolic Christian	1466 / 825	1.41
92	427 / 1.9	Charles & Nancy Shock	1368 / 201	5.96
93	427 / 1.14	Apostolic Christian	1596 / 475	0.15
94	427 / 1	Walter E. Nutter & David H. Nutter	154 / 301	228.20
95	427 / 3	Walter Nutter	W154 / 301	8.00
96	427 / 48	Walter E. & David H. Nutter	W154 / 301	33.00
97	427 / 61	Walter E. & David H. Nutter	W154 / 301	116.16
98	407 / 25	Richard D. Mendez	W168 / 424	192.71
99	406 / 25	Isaac H. III & Betty Jean Maxwell	1509/934	255.20
100	406 / 27	James Stout	W161 / 306	43.50
101	406 / 11	Mildred Stout	1138 / 993	44.80
102	406 / 15	Danny Haggerty	1362 / 278	42.11
103	406 / 15.1	Danny E. Jr. & Lisa A. Haggerty	1497 / 995	2.02
104	406 / 13.3	Williard George Brown	1496 / 1170	0.58
105	406 / 13.2	Leonard C. Paugh	1524 / 1195	2.56
106	406 / 13	Leonard C. Paugh	1524 / 1195	2.12
107	406 / 14	Danny E. & Debra D. Haggerty	1061 / 11	4.00
108	406 / 127.1	Angela Renee Ricketts	1393 / 362	4.75
109	406 / 13.1	Angela Renee Ricketts	1408 / 44	4.50
110	386 / 127	Sherry Louise Ricketts	916 / 343	40.75
111	386 / 126	Sherry Louise Ricketts	W114 / 1014	7.12
112	386 / 125	Sherry Louise Ricketts	W114 / 1014	27.69

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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

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47 — 033 — 06009
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09/19/2025

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

Fracture Start Date/Time:	7/1/23 10:25
Fracture End Date/Time:	9/26/23 8:21
State:	West Virginia
County:	Harrison
API Number:	47-033-06009-0000
Operator Number:	
Well Name:	5H
Federal Well:	No
Tribal Well:	No
Longitude:	-80.351939
Latitude:	39.15203
Long/Lat Projection:	NAD83
True Vertical Depth (TVD):	7,412'
Total Clean Fluid Volume* (gal):	39,456,424

Frac Focus
Chemical Disclosure Registry

(e.g. XX-XXX-XXXXX-0000)

1205 N 5H

Additive	Specific Gravity	Additive Quantity	Mass (lbs)	
Water	1.00	39,456,424	329,263,858	gal
Proppant (Sand)	2.65	56,384,562	56,384,562	lb
15% HCl	1.08	149,954	1,351,475	gal
3rd Party Acid Inhibitor		218		gal
3rd Party Biocide		10,510		gal
3rd Party FR		56,343		gal
3rd Party Gel		590		gal
3rd Party Scale Inhibitor		10,905		gal
NCI-25	0.95	4,440	35,199	gal
NFR-64	1.20	2,853	28,570	gal
				lb
				gal
				gal
				gal
				gal
				gal
				gal
				gal
			Total Slurry Mass (Lbs) 387,063,665	

RECEIVED
Office of Oil and Gas
JUN 02 2025
WV Department of Environmental Protection

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	
15% HCl	NexTier	Acid	Hydrochloric Acid	7647-01-0	15.00%	202,721	0.05237%		15% HCl
15% HCl	NexTier	Acid	Water	7732-18-5	85.00%	1,148,754	0.29679%		15% HCl
Proppant (Sand)	Nextier	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100.00%	56,384,562	14.56726%		Proppant (Sand)
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00%	329,263,858	85.06711%		Water
NCI-25	Nextier	Corrosion Inhibitor	Methanol	67-56-1	60.00%	21,120	0.00546%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Ammonium bisulfate	10192-30-0	5.00%	1,760	0.00045%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Citric Acid	77-92-9	5.00%	1,760	0.00045%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	3-aminopropyldimethylamine	109-55-7	1.00%	352	0.00009%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Sodium nitrite	7632-00-0	1.00%	352	0.00009%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Benzyl Chloride	100-44-7	1.00%	352	0.00009%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Cocamidopropyl Dimethylamine	68140-01-2	1.00%	352	0.00009%		NCI-25
NFR-64	Nextier	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8	30.00%	8,571	0.00221%		NFR-64
NFR-64	Nextier	Friction Reducer	Proprietary Surfactant Blend	Proprietary	10.00%	2,857	0.00074%		NFR-64
									NFR-64
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									NFR-64
									NFR-64

Fracture Start Date/Time:	7/1/23 10:25
Fracture End Date/Time:	9/26/23 8:21
State:	West Virginia
County:	Harrison
API Number:	47-033-06009-0000
Operator Number:	
Well Name:	5H
Federal Well:	No
Tribal Well:	No
Longitude:	-80.351939
Latitude:	39.15203
Long/Lat Projection:	NAD83
True Vertical Depth (TVD):	7,412'
Total Clean Fluid Volume* (gal):	39,456,424

FracFocus Chemical Disclosure Registry

(e.g. XX-XXX-XXXXX-0000)

1205 N 5 H

Additive	Specific Gravity	Additive Quantity	Mass (lbs)	
Water	1.00	39,456,424	329,263,858	gal
Proppant (Sand)	2.65	56,384,562	56,384,562	lb
15% HCl	1.08	149,954	1,351,475	gal
3rd Party Acid Inhibitor		218		gal
3rd Party Biocide		10,510		gal
3rd Party FR		56,343		gal
3rd Party Gel		590		gal
3rd Party Scale Inhibitor		10,905		gal
NCI-25	0.95	4,440	35,199	gal
NFR-64	1.20	2,853	28,570	gal
				lb
				gal
				gal
				gal
				gal
				gal
				gal
				gal
				gal
			Total Slurry Mass (Lbs) 387,063,665	

RECEIVED Office of Oil & Gas JUN 02 2023 WV Department of Environmental Protection

09/15/2023

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	
15% HCl	NexTier	Acid	Hydrochloric Acid	7647-01-0	15.00%	202,721	0.05237%		15% HCl
15% HCl	NexTier	Acid	Water	7732-18-5	85.00%	1,148,754	0.29679%		15% HCl
Proppant (Sand)	Nextier	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100.00%	56,384,562	14.56726%		Proppant (Sand)
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00%	329,263,858	85.06711%		Water
NCI-25	Nextier	Corrosion Inhibitor	Methanol	67-56-1	60.00%	21,120	0.00546%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Ammonium bisulfate	10192-30-0	5.00%	1,760	0.00045%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Citric Acid	77-92-9	5.00%	1,760	0.00045%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	3-aminopropyldimethylamine	109-55-7	1.00%	352	0.00009%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Sodium nitrite	7632-00-0	1.00%	352	0.00009%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Benzyl Chloride	100-44-7	1.00%	352	0.00009%		NCI-25
NCI-25	Nextier	Corrosion Inhibitor	Cocamidopropyl Dimethylamine	68140-01-2	1.00%	352	0.00009%		NCI-25
NFR-64	Nextier	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8	30.00%	8,571	0.00221%		NFR-64
NFR-64	Nextier	Friction Reducer	Proprietary Surfactant Blend	Proprietary	10.00%	2,857	0.00074%		NFR-64
									NFR-64
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									NFR-64
									NFR-64

HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled

Page 1 of 5

ALLEGHENY SURVEYS, INC.

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.

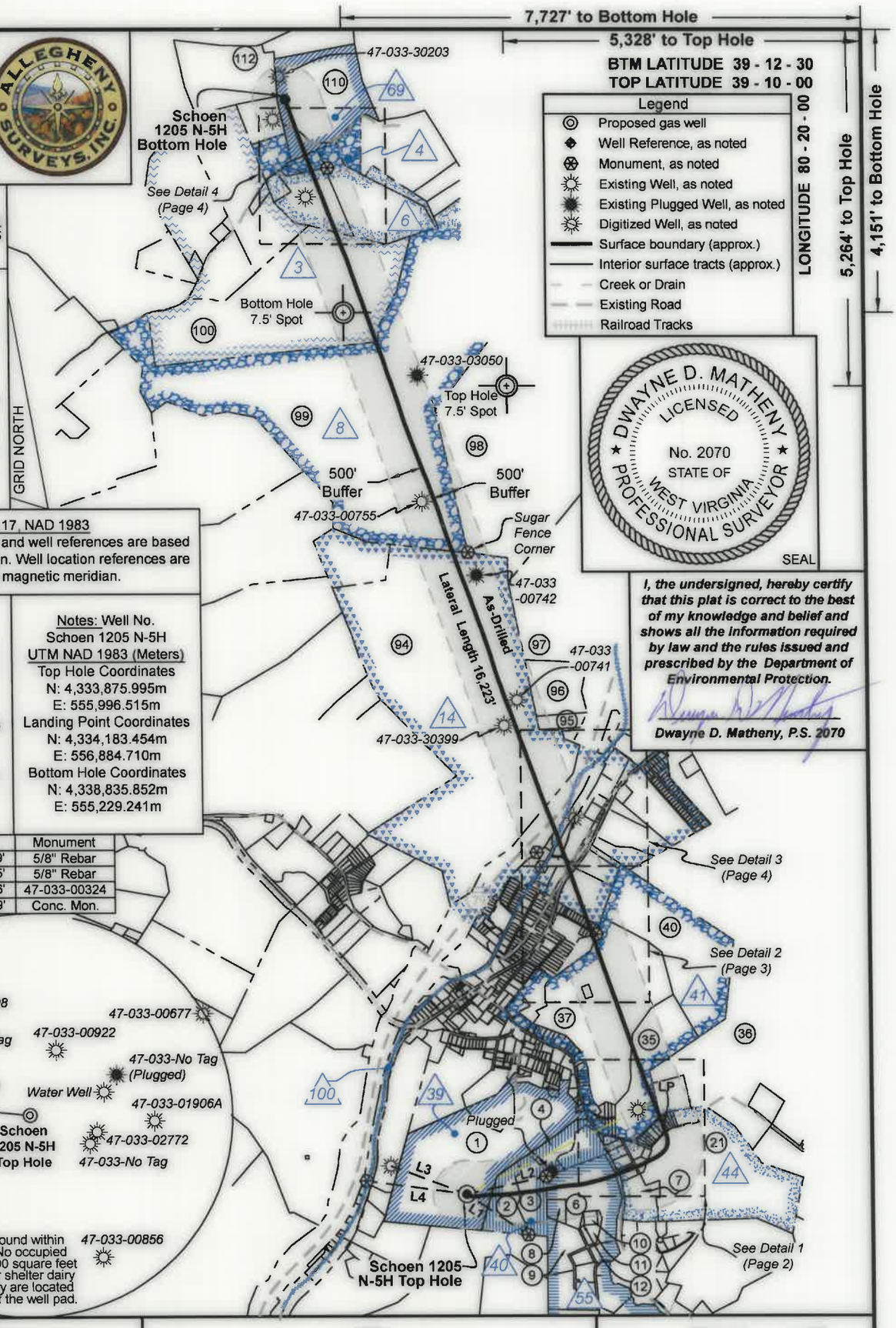
Notes: Well No. Schoen 1205 N-5H
WVCS 1927, North Zone
Top Hole Coordinates
Lat: 39°09'07.96"
Lon: 80°21'07.66"
Landing Point Coordinates
Lat: 39°09'17.66"
Lon: 80°20'30.56"
Bottom Hole Coordinates
Lat: 39°11'48.96"
Lon: 80°21'38.16"

UTM Zone 17, NAD 1983
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Notes: Well No. Schoen 1205 N-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,731.39'
E: 1,824,131.90'
Landing Point Coordinates
N: 14,219,733.55'
E: 1,827,045.92'
Bottom Hole Coordinates
N: 14,234,997.29'
E: 1,821,614.60'

Notes: Well No. Schoen 1205 N-5H
UTM NAD 1983 (Meters)
Top Hole Coordinates
N: 4,333,875.995m
E: 555,996.515m
Landing Point Coordinates
N: 4,334,183.454m
E: 556,884.710m
Bottom Hole Coordinates
N: 4,338,835.852m
E: 555,229.241m

Tag	Bearing	Dist.	Monument
L1	N 56°09' W	1,091.9'	5/8" Rebar
L2	S 77°39' W	1,203.5'	5/8" Rebar
L3	S 69°34' E	1,196.6'	47-033-00324
L4	S 82°23' E	1,492.9'	Conc. Mon.



DWAYNE D. MATHENY LICENSED No. 2070 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR 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, P.S. 2070

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N5H Well Plat
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: May 14 20 25
OPERATOR'S WELL NO. Schoen 1205 N-5H

API WELL NO
47 — 033 — 06009
STATE COUNTY PERMIT

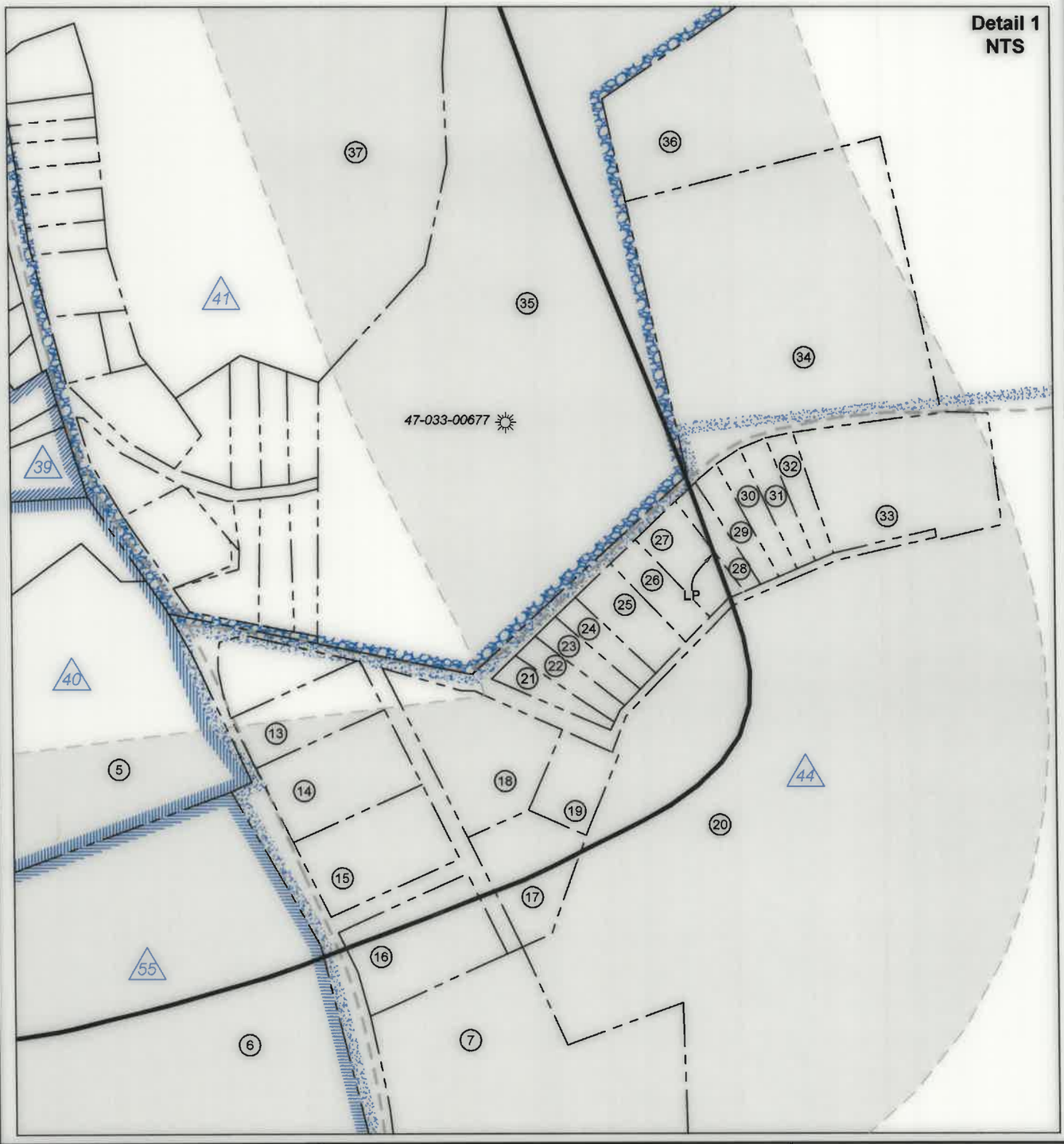
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION : ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
QUADRANGLE: Top: Mount Clare Btm: West Milford
DISTRICT: Grant / Union
COUNTY: Harrison
09/19/2025
SURFACE OWNER: George & Rosanne Schoen
ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al
LEASE NO: ACREAGE: 78.20
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,412' TVD 24,662' 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. Schoen 1205 N-5H
As-Drilled



FILE NO: 32-36-G-19 DRAWING NO: Schoen 1205 N5H Well Plat 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: May 14 20 25 OPERATOR'S WELL NO. Schoen 1205 N-5H API WELL NO 47 — 033 — 06009 STATE COUNTY PERMIT

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

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DISTRICT: Grant / Union COUNTY: Harrison
SURFACE OWNER: George & Rosanne Schoen ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
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09/19/2025

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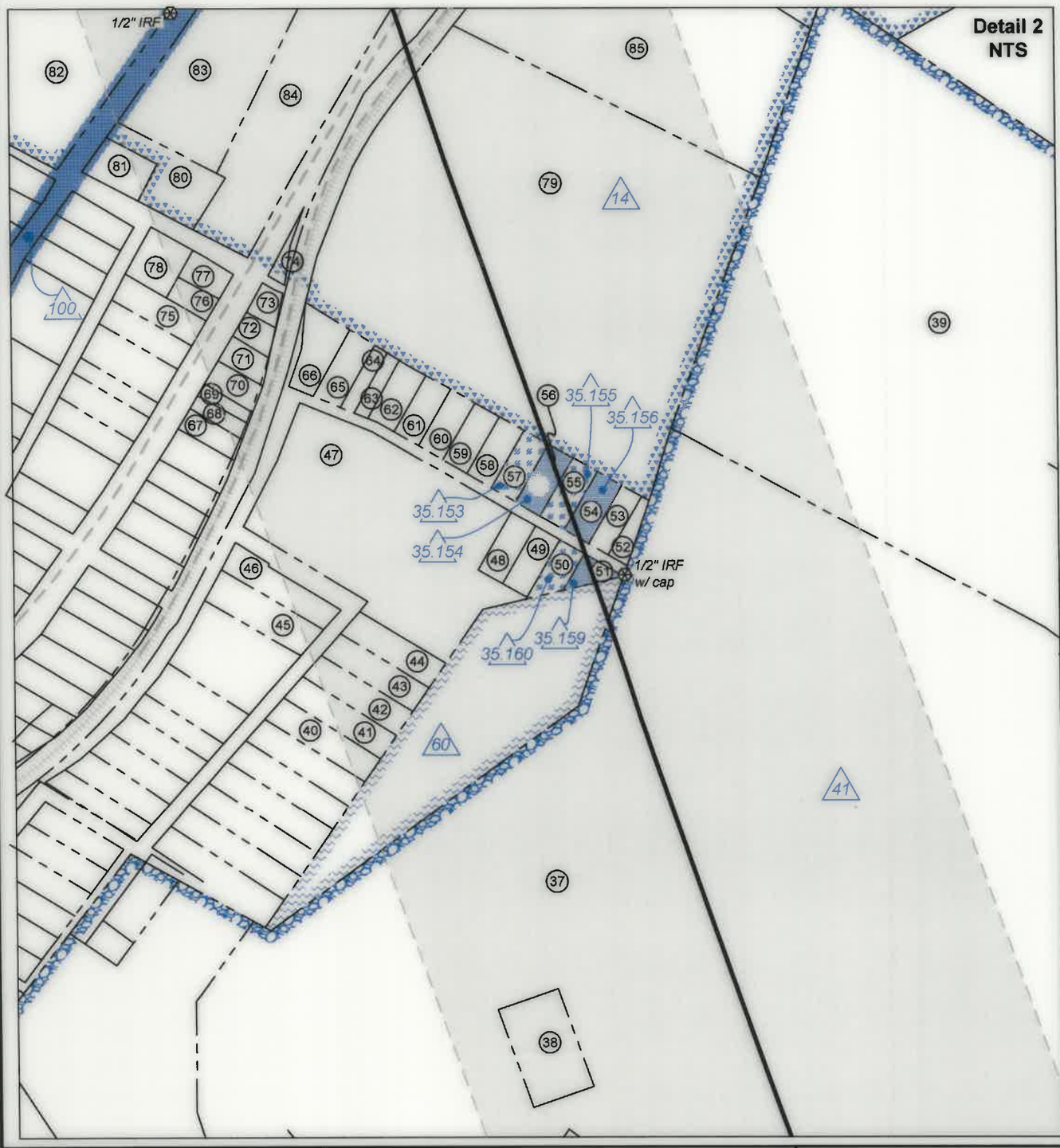
ADDRESS: 5260 Dupont Road	ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101	Parkersburg, WV 26101

HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled



FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N5H Well Plat
SCALE: 1" = 2000'
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PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: May 14 20 25
OPERATOR'S WELL NO. Schoen 1205 N-5H

API WELL NO
47 — 033 — 06009
STATE COUNTY PERMIT

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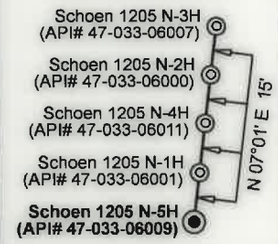
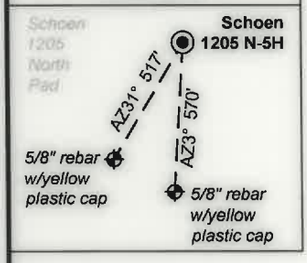
HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled

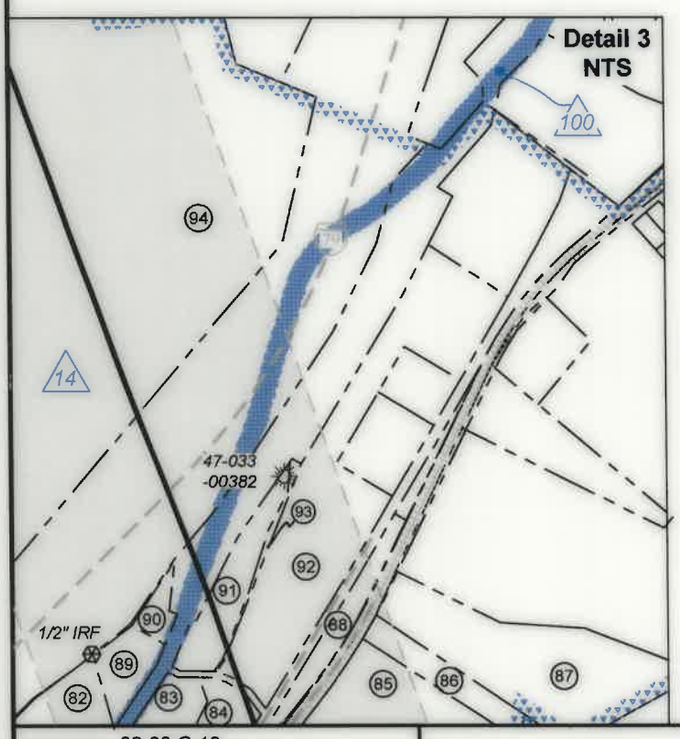
Wellhead Layout (NTS)

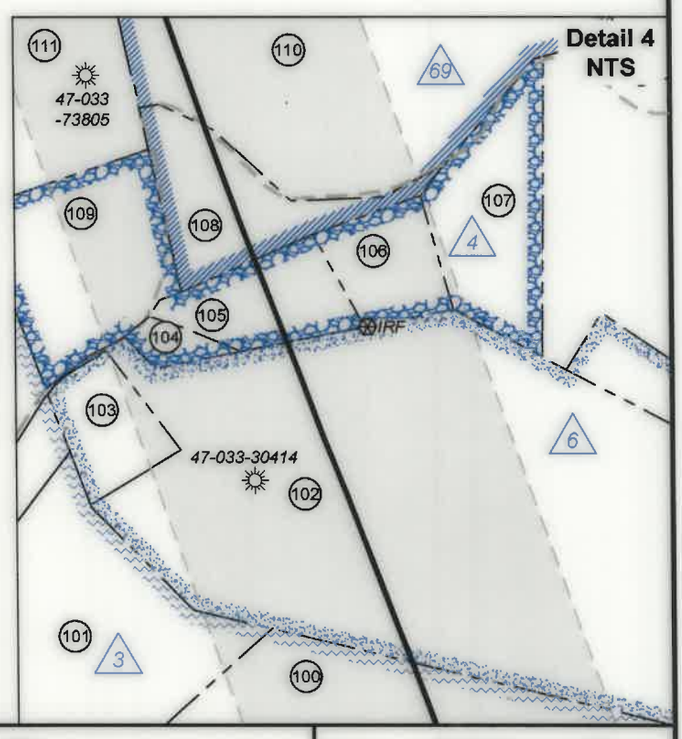


Well Location References
Not to Scale



ID	Lease
3	Emory L. & Elzia P. Stout
4	Cassie G. Smith, et al
6	Edna M. Swisher, et al
8	Porter & Bertha B. Maxwell, et al
14	Mollie V. Bassell, et al
35.153	Brenda Joyce Cogar, et al
35.154	Charles D. Leeson
35.155	Charles D. Leeson
35.156	Charles D. Leeson
35.159	Charles D. Leeson
35.160	Charles D. Leeson
39	A.B. Post, et al
40	John H. & Charlotte C. Gerlach
41	D.L. & Margaret R. Nutter
44	Milton S. & Mary I. Davis
55	French S. & Anna J. Young
60	Betty J. & Isaac H. Maxwell, III
69	Jo Ann Murtha
100	WVDOT, Division of Highways





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

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OPERATOR'S WELL NO. Schoen 1205 N-5H

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47 — 033 — 06009
STATE COUNTY PERMIT

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(IF GAS) PRODUCTION : ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
QUADRANGLE: Top: Mount Clare Btm: West Milford
DISTRICT: Grant / Union
COUNTY: Harrison 09/19/2025
SURFACE OWNER: George & Rosanne Schoen
ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
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HG Energy II Appalachia, LLC
Well No. Schoen 1205 N-5H
As-Drilled

No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 2	George & Rosanne Schoen	1148 / 1059	65.00
2	447 / 3	George & Rosanne Schoen	1253 / 302	10.06
3	447 / 3.4	Stephen M & Kimberly Goff	1257 / 189	7.67
4	447 / 3.3	Charlotte C. Gerlach	1070 / 1041	6.10
5	447 / 3.2	Michael Tillman & Mary Hencke	1257 / 193	5.86
6	447 / 4.1	Joseph & Karen Bowers	1295 / 887	21.87
7	447 / 6.1	Michael & Charlotte Moses	1364 / 7	7.20
8	447 / 4.14	Sarah N. & Andrew D. Spitler	1622 / 331	2.00
9	447 / 4.1	H. Keith & Diana L. Bramel	1438 / 63	7.46
10	447 / 4.10	John L. Breen	1512 / 1161	0.92
11	447 / 4.7	John L. Breen	1512 / 1161	2.21
12	447 / 4.12	John L. Breen	1512 / 1161	0.17
13	2105 / 119	Church of God Trustees	1097 / 818	Lot 23
14	2105 / 120	Church of God Trustees	1097 / 818	Lot 24
15	2105 / 121	Charles & Mitzie Reider	1646 / 958	0.88
16	2105 / 122	Janice Dean	1456 / 1011	0.99
17	2105 / 57	Thomas & Terri Hawkins	1558 / 1255	0.76
18	2105 / 56	Thomas & Terri Hawkins	1558 / 1255	1.41
19	2105 / 58	Thomas & Terri Hawkins	1558 / 1255	0.38
20	447 / 6	Thomas E. & Terri E. Hawkins	1558 / 1255	84.25
21	2105 / 59	Mary Ann Bowyer, et al	F1118 / 63	0.23
22	2105 / 60	Mary Ann Bowyer, et al	F118 / 63	0.22
23	2105 / 61	Lisa Hickman	1621 / 760	0.21
24	2105 / 62	Lisa Hickman	1621 / 760	0.20
25	2105 / 63	Lisa Hickman	1621 / 760	0.38
26	2105 / 64	David W. Stutler	1482 / 433	0.28
27	2105 / 65	Jean Riffle Estate	--- / ---	0.42
28	2105 / 67	Jean Riffle Estate	--- / ---	0.21
29	2105 / 68	Jean Riffle Estate	--- / ---	0.25
30	2105 / 69	Jean Riffle Estate	--- / ---	0.26
31	2105 / 70	Kevin R. Kolenda	1257 / 800	0.26
32	2105 / 71	Kevin R. Kolenda	1257 / 800	0.26
33	2105 / 73	Paul Winnters Estate	W201 / 472	1.53
34	427 / 28.1	Allen Scott Hall	1265 / 589	5.40
35	427 / 34	Worthy C. Hall	1577 / 626	27.00
36	427 / 28	Worthy C. Hall	1577 / 626	248.44
37	427 / 33	Isaac & Betty Maxwell	1539 / 141	72.00
38	427 / 33.1	Greater Harrison Co.	1424 / 1161	0.48
39	427 / 27	Worthy C. Hall	1577 / 626	51.75
40	2103 / 94	Candice S. Wheeler	W125 / 113	0.25
41	2103 / 88	Candice S. Wheeler	W125 / 113	0.24
42	2103 / 82	Candice S. Wheeler	W125 / 113	0.23
43	2103 / 75	Candice S. Wheeler	W125 / 113	0.22
44	2103 / 68	Candice S. Wheeler	W125 / 113	0.22
45	2103 / 74	Eugene N. & Linda S. Alkire	1131 / 636	0.23
46	2103 / 67	Charles Melton Estate, et al	--- / ---	0.26
47	2103 / 37	Christian R. Grymes	1516 / 139	2.95
48	2103 / 38	Charles D. Lesson	1585 / 664	---
49	2103 / 39	Charles D. Lesson	1585 / 664	---
50	2103 / 40	Charles D. Lesson	1585 / 664	---
51	2103 / 41	Charles D. Lesson	1585 / 664	---
52	2103 / 26	Charles D. Lesson	1585 / 664	---
53	2103 / 25	Charles D. Lesson	1585 / 664	---
54	2103 / 24	Charles D. Lesson	1585 / 664	---
55	2103 / 23	Charles D. Lesson	1585 / 664	---
56	2103 / 22	Charles D. Lesson	1585 / 664	---
57	2103 / 21	Joshua & Harley Miller Cogar	W174 / 683	---
58	2103 / 20	Joshua & Harley Miller Cogar	W174 / 683	---
59	2103 / 19	Dennis W. & Rose M. Chamberlain	1335 / 911	---
60	2103 / 18	Dennis W. & Rose M. Chamberlain	1335 / 911	---
61	2103 / 17	Jonah E. Cogar	1432 / 493	---
62	2103 / 16	Jonah E. Cogar	1432 / 493	---
63	2103 / 15.1	Jonah E. Cogar	1432 / 493	---
64	2103 / 15	Eugene R. Smith Jr.	1329 / 532	---
65	2103 / 14	Eugene R. Smith Jr.	1329 / 532	---
66	2103 / 13	Drexal L. Mullen	W134 / 323	---
67	2103 / 51	Judith A. Corkrean	1148 / 474	0.11
68	2103 / 46	Judith A. Corkrean	1148 / 474	---
69	2103 / 46.1	Judith A. Corkrean	1148 / 474	---
70	2103 / 36	Judith A. Corkrean	1148 / 474	---
71	2103 / 31	Beverly A. Foster	1096 / 205	---
72	2103 / 12	Beverly A. Foster	1096 / 20	---
73	2103 / 7	Beverly A. Foster	1096 / 205	---
74	2103 / 2	Beverly A. Foster	1096 / 205	---
75	2103 / 30	Gregory A. Foster	1404 / 455	---
76	2103 / 11	Gregory A. & Beverly A. Foster	1256 / 109	---
77	2103 / 6	Gregory A. & Beverly A. Foster	1256 / 109	---
78	2103 / 11.1	Joshua D. Messenger	1492 / 197	0.24
79	427 / 13	Dennis & Rose Chamberlain	1321 / 102	9.25
80	427 / 1.12	Jerry & Myrna Kincaid	1484 / 1045	0.30
81	2103 / 1	Jerry & Myrna Kincaid	1484 / 1045	0.19
82	427 / 1.6	Michel M. Lewis	1598 / 301	2.45
83	427 / 1.7	Apostolic Christian	1598 / 301	3.83
84	427 / 1.13	Apostolic Christian	1598 / 296	1.80
85	427 / 14	Debra & David Shriver	1218 / 787	4.19
86	427 / 15	Reid & Vicki Smith	1506 / 332	0.63
87	427 / 16	Reid & Vicy Smith	1336 / 710	4.21
88	427 / 1.10	Charles & Nancy Shock	1299 / 472	0.80
89	427 / 1.5	Michel M. Lewis	1444 / 142	0.76
90	427 / 1.4	Walter & David Nutter	0.25	0.25
91	427 / 1.8	Apostolic Christian	1466 / 825	1.41
92	427 / 1.9	Charles & Nancy Shock	1368 / 201	5.96
93	427 / 1.14	Apostolic Christian	1596 / 475	0.15
94	427 / 1	Walter E. Nutter & David H. Nutter	154 / 301	228.20
95	427 / 3	Walter Nutter	W154 / 301	8.00
96	427 / 48	Walter E. & David H. Nutter	W154 / 301	33.00
97	427 / 61	Walter E. & David H. Nutter	W154 / 301	116.16
98	407 / 25	Richard D. Mendez	W168 / 424	192.71
99	406 / 25	Isaac H. III & Betty Jean Maxwell	1509/934	255.20
100	406 / 27	James Stout	W161 / 306	43.50
101	406 / 11	Mildred Stout	1138 / 993	44.80
102	406 / 15	Danny Haggerty	1362 / 278	42.11
103	406 / 15.1	Danny E. Jr. & Lisa A. Haggerty	1497 / 995	2.02
104	406 / 13.3	Williard George Brown	1496 / 1170	0.58
105	406 / 13.2	Leonard C. Paugh	1524 / 1195	2.56
106	406 / 13	Leonard C. Paugh	1524 / 1195	2.12
107	406 / 14	Danny E. & Debra D. Haggerty	1061 / 11	4.00
108	406 / 127.1	Angela Renee Ricketts	1393 / 362	4.75
109	406 / 13.1	Angela Renee Ricketts	1408 / 44	4.50
110	386 / 127	Sherry Louise Ricketts	916 / 343	40.75
111	386 / 126	Sherry Louise Ricketts	W114 / 1014	7.12
112	386 / 125	Sherry Louise Ricketts	W114 / 1014	27.69

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N5H Well Plat
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: May 14 20 25
OPERATOR'S WELL NO. Schoen 1205 N-5H

API WELL NO
47 — 033 — 06009
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
QUADRANGLE: Top: Mount Clare Btm: West Milford
DISTRICT: Grant / Union
COUNTY: Harrison
09/19/2025
SURFACE OWNER: George & Rosanne Schoen
ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,412' TVD 24,662' 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