

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

API 47-041-05728 County Lewis District Freeman's Creek
Quad Camden & Big Isaac 7.5' Pad Name Burnside 1214 Field/Pool Name Fink/Kennedy
Farm name Burnside Well Number Burnside 1214 S6H
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 4330099.757 Easting 541248.415
Landing Point of Curve Northing 4330032 Easting 541310
Bottom Hole Northing 4324502.240 Easting 543249.571

Elevation (ft) 1159 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 01/20/2022 Date drilling commenced 2/7/2022 Date drilling ceased 6/25/2022
Date completion activities began 9/3/2022 Date completion activities ceased 1/10/2023
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 120' Open mine(s) (Y/N) depths N
Salt water depth(s) ft Not observed Void(s) encountered (Y/N) depths N
Coal depth(s) ft 415,496,582,952,1052 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) No

APPROVED

Reviewed by:
[Signature]
05/10/2024

API 47-041 - 05728 Farm name Burnside Well number Burnside 1214 S6H

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"	1099	New	94 lbs/ft J-55		Yes, 57 bbls to surface
Coal							
Intermediate 1	17.5"	13.375"	2060	New	68 lbs/ft J55		Yes, 88 bbls to surface
Intermediate 2	12.25"	9.625"	4684	New	40 lbs/ft		Yes, 168 bbls to surface
Intermediate 3							
Production	8.5	5.5	26736	New	23 lbs/ft P-110HP		Yes, 116 bbls to surface
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							
Surface	Class A	1863	15.6	1.19	2217	Surface	8
Coal							
Intermediate 1	Class A	1438/753	16.0/16.4	1.15/1.11	1653.7/835.8	Surface	24
Intermediate 2	Class A	526/159	10.5/15.2	2.97/1.49	1562/236.9	Surface	18
Intermediate 3							
Production	Class A	483/181/394/4314	13.5/13.5/15.5/14.8	1.82/1.67/1.47/1.34	879/302.3/579.2/5780	Surface	8
Tubing							

Drillers TD (ft) ²⁶⁷⁶³ _____ Loggers TD (ft) _____

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) ⁶⁰⁴⁸ _____

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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API 47- 041 - 05728 Farm name Burnside Well number Burnside 1214 S6H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6763-6882</u> TVD	<u>7510-26763</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

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

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ 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			
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Please insert additional pages as applicable.

Drilling Contractor Patterson Drilling WV Department of Environmental Protection
 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 02/29/2024

HG Energy II Appalachia, LLC
Lithology Record
Burnside 1214 S-6H

Formation	Top MD	Top TVD	Base MD	Base TVD
coal	415	415	418	418
coal	496	496	499	499
coal	582	582	586	586
Gas sand	682	682	802	802
Salt sand	882	882	1281	1281
coal	952	952	955	955
Coal	1052	1052	1056	1056
Surface casing	1134	drill	1099	set
Maxton	1334	1334	1375	1375
Little Lime	1488	1488	1510	1510
Big Lime	1536	1536	1591	1591
Big Injun	1598	1598	1711	1711
Gantz (storage)	1885	1885	1943	1943
50' sand	1997	1997	2020	2020
Storage casing Drill to	2086	drill	2060	set
30' sand	2095	2095	2111	2111
Gordon Stray	2124	2124	2161	2161
Gordon Sand	2161	2161	2242	2242
Fourth Sand	2252	2252	2280	2280
Fifth Sand	2386	2386	2422	2422
Bayard	2462	2462	2495	2495
Warren	2761	2757	2800	2795
Speechley	3104	3089	3123	3107
Balltown	3225	3206	3287	3266
Bradford	3917	3874	4000	3955
Benson	4439	4381	4467	4408
Inter Casing	4715	drill	4684.5	set
Rhinstreet	6160	6052	6419	6282
Cashaqua	6419	6282	6753	6544
Middlesex	6753	6544	6893	6633
West River	6893	6633	7047	6721
Burket	7047	6721	7065	6731
Tully	7065	6731	7233	6806
Hamilton	7233	6806	7510	6882
Marcellus	7510	6882	26763	6763

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HG Energy II Appalachia, LLC
Burnside 1214 S-6H
Perforation Record

Stage #	Date	Perforation From Depth	Perforation to Depth	Number of Perforations	Formation
Sleeve/1	9/14/2022	26688	26665	2	Marcellus
2	9/15/2022	26631	26463	32	Marcellus
3	9/16/2022	26435	26267	32	Marcellus
4	9/16/2022	26239	26071	32	Marcellus
5	9/16/2022	26043	25875	32	Marcellus
6	9/17/2022	25847	25679	32	Marcellus
7	9/17/2022	25651	25483	32	Marcellus
8	9/18/2022	25455	25287	32	Marcellus
9	9/18/2022	25259	25091	32	Marcellus
10	9/19/2022	25063	24895	32	Marcellus
11	9/19/2022	24867	24699	32	Marcellus
12	9/19/2022	24671	24503	32	Marcellus
13	9/20/2022	24475	24307	32	Marcellus
14	9/20/2022	24279	24111	32	Marcellus
15	9/20/2022	24083	23915	32	Marcellus
16	9/21/2022	23887	23719	32	Marcellus
17	9/21/2022	23691	23523	32	Marcellus
18	9/21/2022	23495	23327	32	Marcellus
19	9/21/2022	23299	23131	32	Marcellus
20	9/22/2022	23103	22935	32	Marcellus
21	9/22/2022	22907	22739	32	Marcellus
22	9/22/2022	22711	22543	32	Marcellus
23	9/23/2022	22515	22347	32	Marcellus
24	9/23/2022	22319	22151	32	Marcellus
25	9/24/2022	22123	21955	32	Marcellus
26	9/25/2022	21927	21759	32	Marcellus
27	9/25/2022	21731	21563	32	Marcellus
28	9/25/2022	21535	21367	32	Marcellus
29	9/26/2022	21339	21171	32	Marcellus
30	9/26/2022	21143	20975	32	Marcellus
31	9/26/2022	20947	20779	32	Marcellus
32	9/27/2022	20751	20583	32	Marcellus
33	9/27/2022	20555	20387	32	Marcellus
34	9/28/2022	20359	20191	32	Marcellus
35	9/28/2022	20163	19995	32	Marcellus
36	9/30/2022	19967	19799	32	Marcellus
37	9/30/2022	19771	19603	32	Marcellus
38	9/30/2022	19575	19407	32	Marcellus
39	10/1/2022	19379	19211	32	Marcellus
40	10/1/2022	19183	19015	32	Marcellus
41	10/1/2022	18987	18819	32	Marcellus
42	10/2/2022	18791	18623	32	Marcellus
43	10/2/2022	18595	18427	32	Marcellus
44	10/4/2022	18399	18231	32	Marcellus
45	10/4/2022	18203	18035	32	Marcellus
46	10/5/2022	18007	17839	32	Marcellus
47	10/5/2022	17811	17643	32	Marcellus
48	10/6/2022	17615	17447	32	Marcellus
49	10/6/2022	17419	17251	32	Marcellus
50	10/7/2022	17223	17055	32	Marcellus
51	10/7/2022	17027	16859	32	Marcellus
52	10/7/2022	16831	16663	32	Marcellus
53	10/8/2022	16635	16467	32	Marcellus
54	10/8/2022	16439	16271	32	Marcellus

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55	10/9/2022	16243	16075	32	Marcellus
56	10/9/2022	16047	15879	32	Marcellus
57	10/9/2022	15851	15683	32	Marcellus
58	10/10/2022	15655	15487	32	Marcellus
59	10/10/2022	15459	15291	32	Marcellus
60	10/11/2022	15263	15095	32	Marcellus
61	10/11/2022	15067	14899	32	Marcellus
62	10/12/2022	14871	14703	32	Marcellus
63	10/12/2022	14675	14507	32	Marcellus
64	10/13/2022	14479	14311	32	Marcellus
65	10/13/2022	14283	14115	32	Marcellus
66	10/13/2022	14087	13919	32	Marcellus
67	10/14/2022	13891	13723	32	Marcellus
68	10/14/2022	13694	13526	32	Marcellus
69	10/15/2022	13496	13328	32	Marcellus
70	10/15/2022	13298	13130	32	Marcellus
71	10/15/2022	13100	12932	32	Marcellus
72	10/16/2022	12902	12734	32	Marcellus
73	10/16/2022	12704	12536	32	Marcellus
74	10/17/2022	12506	12338	32	Marcellus
75	10/17/2022	12308	12140	32	Marcellus
76	10/17/2022	12110	11942	32	Marcellus
77	10/18/2022	11912	11744	32	Marcellus
78	10/18/2022	11714	11546	32	Marcellus
79	10/18/2022	11516	11348	32	Marcellus
80	10/18/2022	11318	11150	32	Marcellus
81	10/19/2022	11120	10952	32	Marcellus
82	10/19/2022	10922	10754	32	Marcellus
83	10/19/2022	10724	10556	32	Marcellus
84	10/20/2022	10526	10358	32	Marcellus
85	10/20/2022	10328	10160	32	Marcellus
86	10/20/2022	10130	9962	32	Marcellus
87	10/21/2022	9932	9764	32	Marcellus
88	10/22/2022	9734	9566	32	Marcellus
89	10/22/2022	9536	9368	32	Marcellus
90	10/22/2022	9338	9170	32	Marcellus
91	10/22/2022	9140	8972	32	Marcellus
92	10/23/2022	8942	8774	32	Marcellus
93	10/23/2022	8744	8576	32	Marcellus
94	10/23/2022	8546	8378	32	Marcellus
95	10/23/2022	8348	8180	32	Marcellus
96	10/24/2022	8150	7982	32	Marcellus
97	10/24/2022	7952	7784	32	Marcellus
98	10/24/2022	7754	7586	32	Marcellus

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Burnside 1214 S-6H
Stimulation Summary

Stage #	Date	Ave Pump Rate (BPM)	Ave Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve/1	9/14/2022	75.0	9971	N/A	4500	270000	7,750
2	9/15/2022	79.0	10,282	6,859	4,226	700000	15,125
3	9/16/2022	83.0	10,411	6,200	5,507	700000	14,594
4	9/16/2022	80.0	10,159	7,258	4,355	702500	12,913
5	9/16/2022	86.0	10,555	6,793	5,847	624570	10,986
6	9/17/2022	84.0	10,113	5,712	4,781	705000	11,477
7	9/17/2022	86.0	10,178	5,794	5,388	705000	11,602
8	9/18/2022	83.0	10,313	6,250	4,585	705000	11,829
9	9/18/2022	86.0	10,192	6,206	4,933	705000	11,569
10	9/19/2022	84.0	10,133	5,852	4,465	705000	11,536
11	9/19/2022	85.0	10,109	6,618	4,857	705000	11,761
12	9/19/2022	84.0	10,126	6,340	5,794	705000	11,995
13	9/20/2022	91.0	10,496	5,817	6,204	705500	11,770
14	9/20/2022	84.0	10,150	6,325	4,656	705000	11,731
15	9/20/2022	83.0	10,926	6,526	5,639	705000	12,784
16	9/21/2022	83.0	10,260	6,485	5,851	690000	11,587
17	9/21/2022	81.0	10,209	6,491	5,363	690000	11,732
18	9/21/2022	83.0	10,277	6,416	5,555	690000	11,395
19	9/21/2022	86.0	10,270	6,890	5,954	690000	11,482
20	9/22/2022	87.0	10,192	6,526	5,804	690000	9,918
21	9/22/2022	83.0	10,182	6,341	5,443	690000	11,493
22	9/22/2022	83.0	10,060	6,315	5,269	690000	11,198
23	9/23/2022	87.0	10,165	6,323	5,121	670910	10,842
24	9/23/2022	85.0	10,264	6,410	6,033	690000	9,688
25	9/24/2022	84.0	10,187	6,352	5,043	690000	9,632
26	9/25/2022	84.0	10,231	6,383	6,080	690000	9,677
27	9/25/2022	88.0	10,177	6,061	5,376	690000	10,021
28	9/25/2022	89.0	10,249	6,416	5,928	690000	9,760
29	9/26/2022	88.0	10,338	6,304	5,525	690000	9,767
30	9/26/2022	87.0	10,155	5,940	5,422	664900	9,553
31	9/26/2022	90.0	10,290	6,154	5,894	690000	9,676
32	9/27/2022	91.0	10,199	6,259	5,198	652930	9,423
33	9/27/2022	87.0	10,290	6,509	4,903	690000	9,528
34	9/28/2022	88.0	10,291	6,189	4,981	690000	9,752
35	9/28/2022	93.0	10,188	5,730	5,245	690000	10,905
36	9/30/2022	86.0	10,311	6,381	4,565	690000	9,457
37	9/30/2022	87.0	10,185	5,760	5,549	690000	9,687
38	9/30/2022	88.0	10,164	5,597	4,519	690000	9,745
39	10/1/2022	89.0	10,309	6,395	4,979	690000	9,705
40	10/1/2022	89.0	10,349	6,172	5,061	690000	9,793
41	10/1/2022	91.0	10,238	6,340	4,742	690000	9,823
42	10/2/2022	97.0	10,339	6,503	5,505	690000	9,969
43	10/2/2022	97.0	10,208	7,278	5,401	690000	9,542
44	10/4/2022	93.0	10,355	6,167	5,014	690000	9,787
45	10/4/2022	87.0	10,278	6,700	4,541	690000	9,708
46	10/5/2022	87.5	10,277	6,313	5,474	690000	9,692
47	10/5/2022	86.0	10,170	6,149	4,625	690000	9,778
48	10/6/2022	87.0	10,225	6,271	4,759	690000	9,828
49	10/6/2022	90.0	10,065	6,200	4,290	690000	9,861
50	10/7/2022	87.0	10,283	6,149	4,401	690000	9,780
51	10/7/2022	90.0	10,422	5,771	5,631	690000	10,013
52	10/7/2022	89.0	10,259	5,823	4,328	690000	9,874
53	10/8/2022	99.0	10,475	6,084	6,209	690000	9,889

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54	10/8/2022	97.0	10,279	6,532	4,614	690000	9,832
55	10/9/2022	92.0	10,466	6,346	5,409	690000	10,088
56	10/9/2022	88.0	10,355	6,132	5,682	690000	9,452
57	10/9/2022	87.0	10,233	6,166	4,459	690000	9,523
58	10/10/2022	98.0	10,655	6,352	5,911	690000	9,611
59	10/10/2022	92.0	10,281	6,532	4,312	690000	9,730
60	10/11/2022	95.0	10,519	6,259	5,889	690000	9,717
61	10/11/2022	85.0	10,194	5,475	4,998	689410	9,773
62	10/12/2022	86.0	10,450	5,960	4,800	690000	9,617
63	10/12/2022	90.0	10,335	5,875	5,052	690000	9,668
64	10/13/2022	93.0	10,538	5,695	5,960	690000	9,624
65	10/13/2022	95.0	10,476	6,073	5,037	690000	9,505
66	10/13/2022	91.0	10,171	5,707	5,205	680000	9,582
67	10/14/2022	92.0	10,561	5,620	5,188	680000	10,664
68	10/14/2022	98.0	10,413	5,713	4,948	680000	9,478
69	10/15/2022	88.0	10,207	5,660	4,674	507480	10,011
70	10/15/2022	103.0	10,409	5,152	5,868	680000	9,587
71	10/15/2022	98.0	10,171	5,718	5,061	612320	9,024
72	10/16/2022	102.0	10,087	5,630	4,920	680000	10,538
73	10/16/2022	101.0	9,962	5,974	4,991	680000	10,702
74	10/17/2022	100.0	10,010	5,625	5,118	680000	9,401
75	10/17/2022	100.0	10,151	6,014	6,376	663520	9,788
76	10/17/2022	101.0	10,055	5,631	5,102	690000	9,744
77	10/18/2022	103.0	9,861	5,760	5,333	690000	9,572
78	10/18/2022	108.0	9,813	5,047	5,048	690000	9,668
79	10/18/2022	107.0	9,871	5,852	5,562	690000	9,345
80	10/18/2022	105.0	9,732	6,120	4,939	690000	9,681
81	10/19/2022	106.0	10,522	4,872	4,318	690000	9,492
82	10/19/2022	105.0	9,299	5,423	4,676	690000	9,557
83	10/19/2022	104.0	9,039	5,613	5,033	690000	9,925
84	10/20/2022	107.0	9,408	5,736	5,156	690000	9,541
85	10/20/2022	104.0	9,725	5,887	5,186	558500	8,626
86	10/20/2022	106.0	9,407	6,462	5,160	700000	9,509
87	10/21/2022	106.0	9,581	6,323	5,167	700000	9,611
88	10/22/2022	106	9,280	5,810	5,505	701440	9,565
89	10/22/2022	106	9,395	5,672	4,752	700000	9,712
90	10/22/2022	108	9,238	5,829	4,559	700000	9,541
91	10/22/2022	104	9,285	6,218	5,191	700000	9,615
92	10/23/2022	104	9,413	6,038	5,125	700000	9,594
93	10/23/2022	102	8,881	5,905	4,493	700000	9,563
94	10/23/2022	107	8,783	5,916	4,788	700000	9,421
95	10/23/2022	106	8,652	5,713	5,147	700000	9,613
96	10/24/2022	106	9,223	5,893	4,330	700000	9,710
97	10/24/2022	108	9,406	5,636	4,862	700000	9,997
98	10/24/2022	107	9,331	6,166	4,861	700000	9,488

RECEIVED
Office of Oil and Gas

MAY 6 2024

WV Department of
Environmental Protection

05/10/2024

68' to Bottom Hole

6,532' to Top Hole

TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 05 - 00

BTM LONGITUDE 80 - 30 - 00
TOP LONGITUDE 80 - 30 - 00

2,189' to Top Hole

5,417' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Burnside 1214 S-6H
As-Drilled

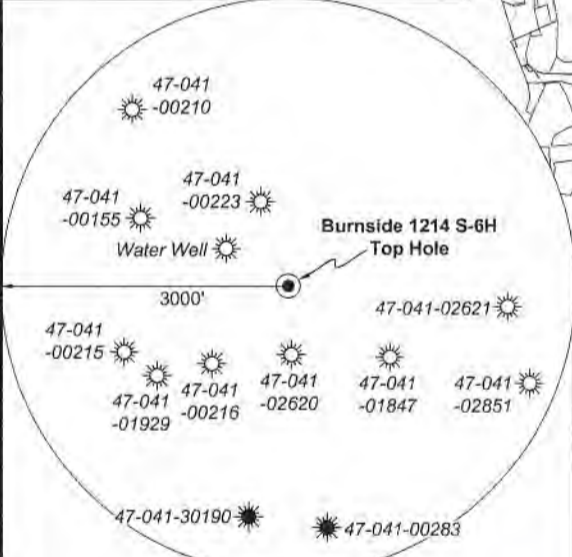
Page 1 of 2

Notes:
Well No. Burnside 1214 S-6H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,206,335.62'
E: 1,775,745.84'
Landing Point Coordinates
N: 14,206,113.10'
E: 1,775,947.60'
Bottom Hole Coordinates
N: 14,187,971.10'
E: 1,782,311.30'



Tag	Bearing	Dist.	Description
L1	S 42°39' W	1,586.0'	Threaded Pipe
L2	N 68°12' W	2,167.2'	Gate Post
L3	N 53°42' W	1,222.9'	47-041-01847
L4	N 03°18' E	701.0'	47-041-02620

Notes: Well No. Burnside 1214 S-6H
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Top Hole coordinates Bottom Hole coordinates
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Note: 1 water well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

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



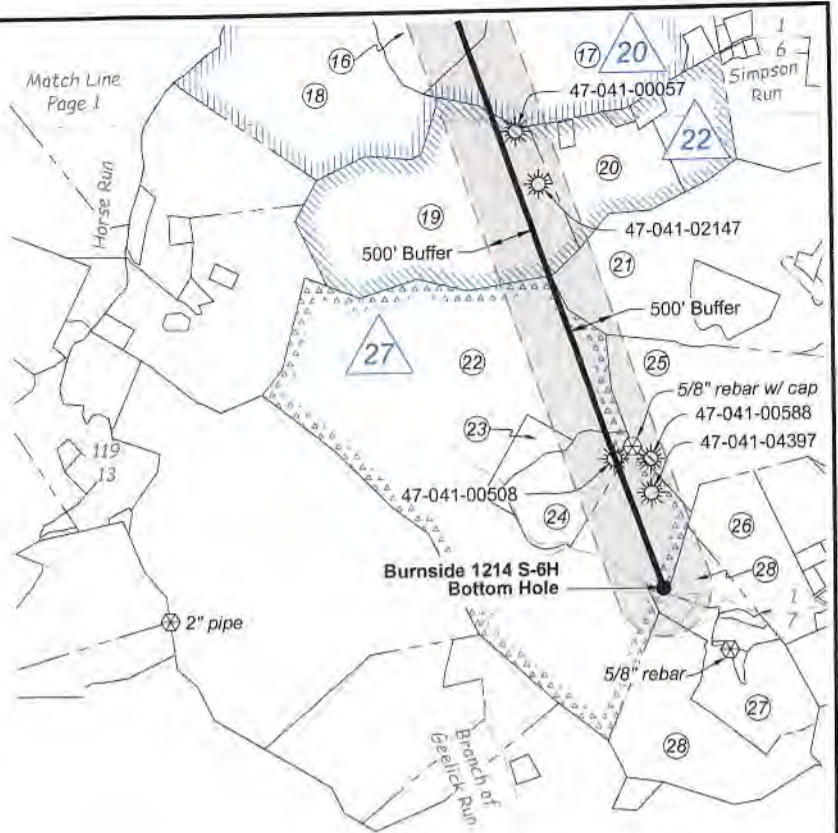
FILE NO: 236-36-12-19
DRAWING NO: Burnside 1214 S-6H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: February 20 2023
OPERATOR'S WELL NO. Burnside 1214 S-6H
API WELL NO
47 - 041 - 05728
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: ACREAGE: 214.08
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: 6,763' TVD
26,763' MD

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

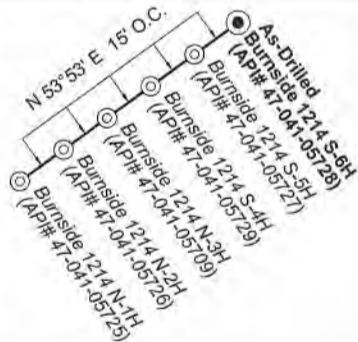


ID	Lease
1	J.S. Hall, et ux
2	W.J. Grant, et ux
6	Mary C. Burnside, et vir
7	A. Brown, et ux
8	Dale Eugene Copens, et ux
9	N.A. Lovett, et ux
11	M.J. Hall, et ux
12	Franklin McKinley, et ux
16	S.A. Hall, et ux
20	J.W. Kemper, et ux
22	James B. Lovett, et ux
27	Lot Hall, et ux

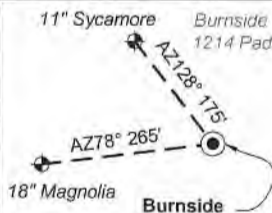
Legend

- 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.)
- Adjoiner surface tracts (approx.)

Wellhead Layout (NTS)



**Well Location References
Not to Scale**



Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
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11	6D / 5	David B. & Wendall S. Hall	W29 / 176	196.50
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13	6D / 9	Daniel E. & Alice J. Fisher	658 / 108	25.00
14	6D / 9.1	James S. & Tamara B. Wilson	370 / 303	5.96
15	6D / 8	James S. & Tamara B. Wilson	370 / 303	57.25
16	6D / 17.1	Brian K. & Sherri Skidmore	713 / 848	14.00
17	6D / 17	Raymond M. Peters	610 / 706	74.75
18	6D / 12	Bradford & Michelle Taylor	762 / 891	77.00
19	6E / 12	James E. Gray, et al	735 / 51	90.50
20	6E / 61	Bernice M. Linger, et al	417 / 306	30.81
21	6E / 13	Charles F. Sumpter	600 / 507	123.45
22	6E / 11.1	Heartwood Forestland Fund VII	666 / 124	235.87
23	6E / 11	Heartwood Forestland Fund VII	666 / 124	6.21
24	6E / 11.2	Jonathan R. & Tracie M. Dodson	632 / 203	21.92
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FILE NO: 236-36-12-19
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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: February 20 2023
OPERATOR'S WELL NO. Burnside 1214 S-6H
API WELL NO
47 - 041 - 05728
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek

QUADRANGLE: Camden
COUNTY: Lewis
ACREAGE: 115.00

DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al

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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled

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ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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

68' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Burnside 1214 S-6H
As-Drilled

Page 1 of 2

6,532' to Top Hole

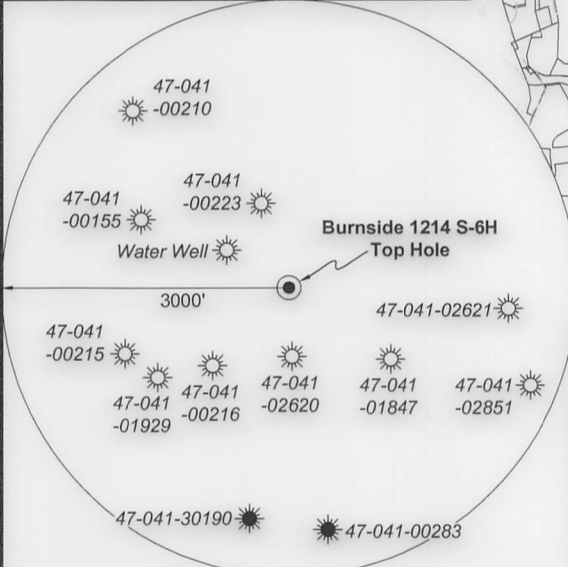
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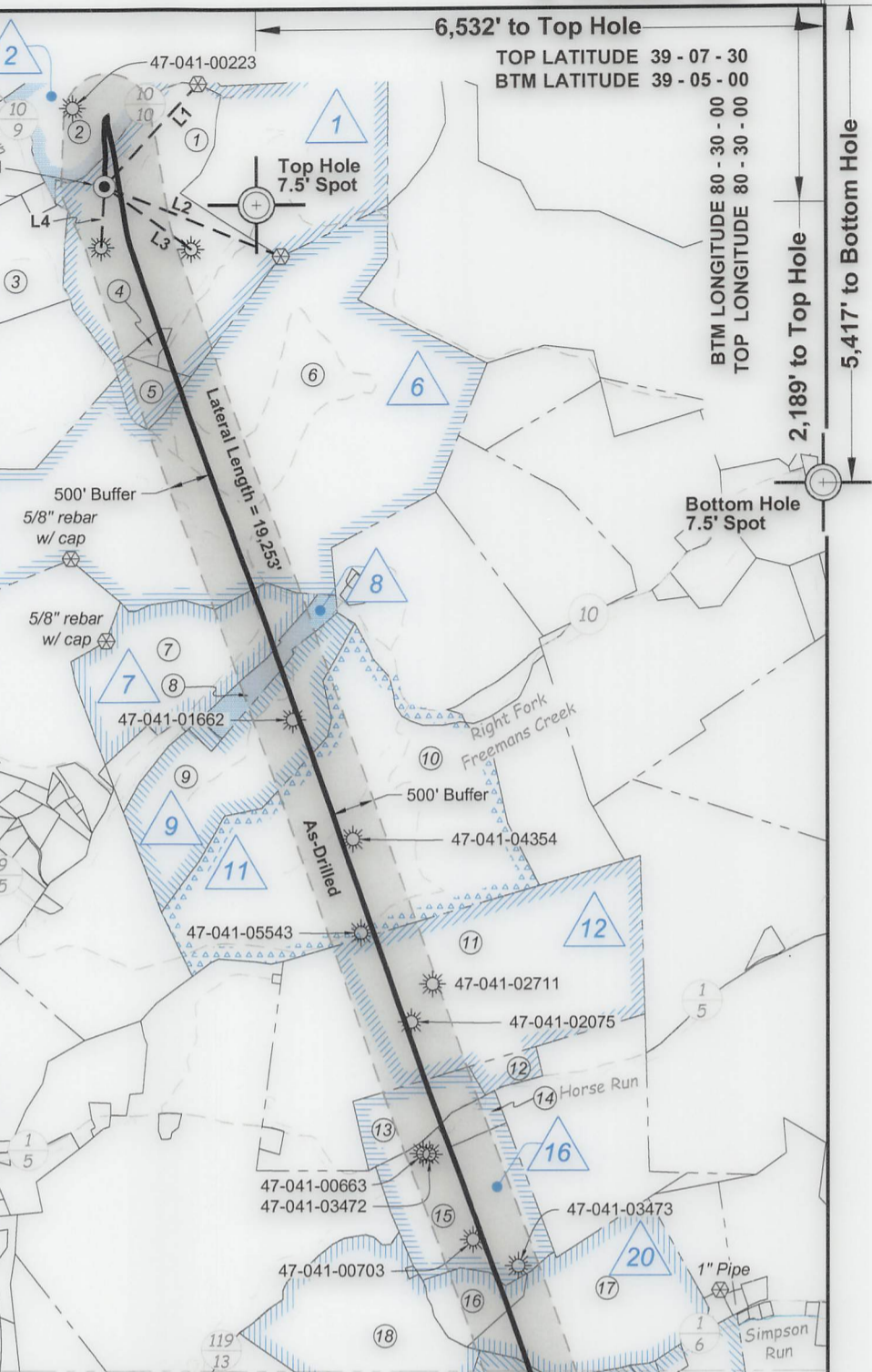


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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

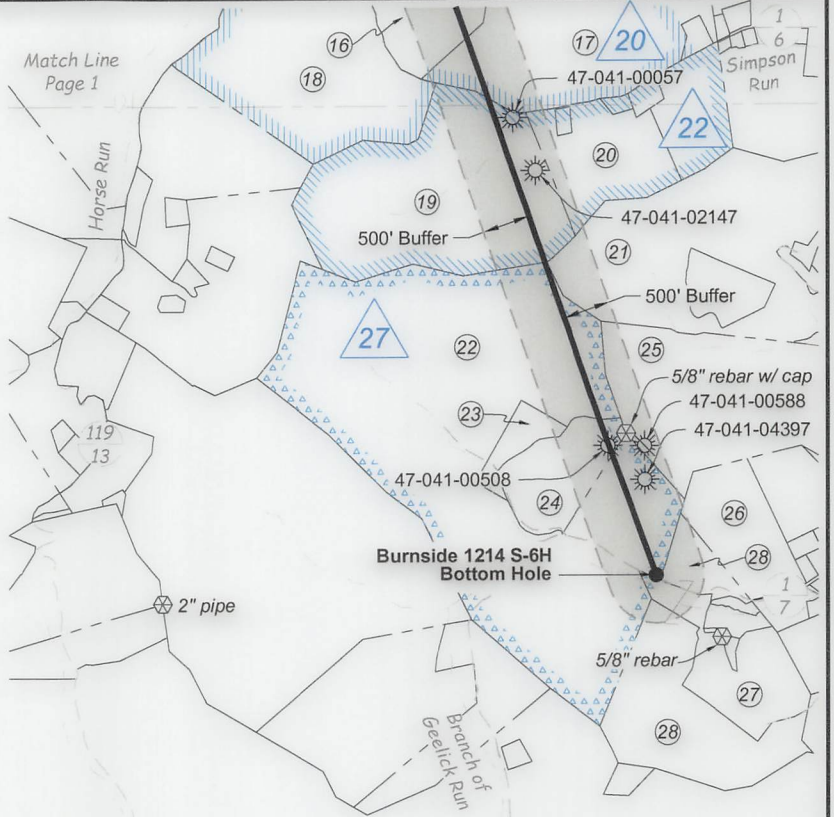
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47 - 041 - 05728
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Parkersburg, WV 26101 Parkersburg, WV 26101

QUADRANGLE: Camden
COUNTY: Lewis
ACREAGE: 115.00
05/10/2024

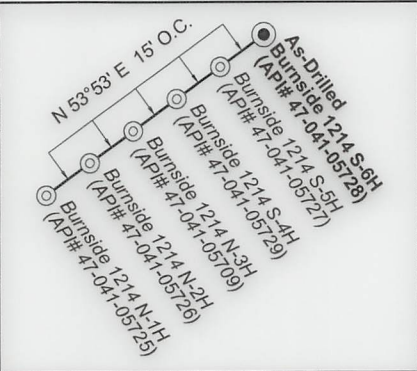


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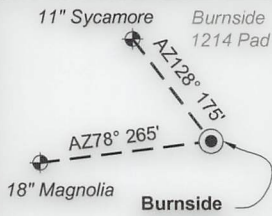
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