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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, May 9, 2022  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC  
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for BURNSIDE 1214 N-1H  
47-041-05725-00-00

**Lateral Extension, Additional Leases**

HG ENERGY II APPALACHIA, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin  
Chief

Operator's Well Number: BURNSIDE 1214 N-1H  
Farm Name: JOHN K. BURNSIDE, ET AL  
U.S. WELL NUMBER: 47-041-05725-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 5/9/2022

Promoting a healthy environment.

05/13/2022



**HG Energy, LLC**  
5260 Dupont Road  
Parkersburg, WV 26101  
(304) 420-1100 - Office  
(304) 863-3172 - Fax

April 14, 2022

WV DEP  
Division of Oil & Gas  
Attn: Cragin Blevins  
601 57<sup>th</sup> Street  
Charleston, West Virginia 25304

*CK# 030800  
\$5,000-*

RE: Burnside 1214 N-1H Drill Permit Revision Request – (47-041-05725)  
Freeman's Creek District, Lewis County  
West Virginia

Dear Mr. Blevins -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic) and a check for expedited service for the 1214 N-1H well work permit revision request. We ask the permit be modified as the direction of the lateral has been modified. No additional leases were added.

Please let me know if you have any questions or require additional information. I can be reached at (304) 420-1119 or [dwhite@hgenergyllc.com](mailto:dwhite@hgenergyllc.com).

Very truly yours,

*Diane White*

Diane C. White

Enclosures

cc: Sam Ward – WV DEP State Inspector

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STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: HG Energy II Appalachia, L.P. 494519932 Lewis Freeman Camden 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Burnside 1214 N-1H Well Pad Name: Burnside 1214

3) Farm Name/Surface Owner: John K Burnside, et al Public Road Access: Mare Run Rd at CR 10/9

4) Elevation, current ground: 1160' Elevation, proposed post-construction: 1159.20'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_  
Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus at 6709/6825' and 116' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7316'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,682'

11) Proposed Horizontal Leg Length: 16,722'

12) Approximate Fresh Water Strata Depths: 803', 950'

13) Method to Determine Fresh Water Depths: Nearest offset well data, (47-041-00283, 0210,)

14) Approximate Saltwater Depths: None found

15) Approximate Coal Seam Depths: 510', 910', 915' (Surface casing is being extended to cover the coal in the DTI Field)

16) Approximate Depth to Possible Void (coal mine, karst, other): None

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes \_\_\_\_\_ No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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WW-6B  
(04/15)

API NO. 47- 041 - 05725  
 OPERATOR WELL NO. Burnside 1214 N-1H  
 Well Pad Name: Burnside 1214

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120'	Drilled In
Fresh Water/Coal	20"	NEW	J-55	94	1100'	1100'	40% Excess, CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2056'	2056'	40% Excess, CTS
Intermediate 2	9 5/8"	NEW	J-55 BTC	40	4601'	4601'	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	24682'	24682'	20% Excess Tail, CTS
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40% excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	40% excess, Tail 0% excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	20% excess yield = 1.10, 40% excess tail
Tubing							
Liners							

*SDW*  
4/29/2022

PACKERS

Kind:				
Sizes:				
Depths Set:				

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 7316'. Drill horizontal leg to estimated 16,722' lateral length, 24,682' TMD. Hydraulically fracture, stimulate and be capable of producing from the Marcellus Formation. Should we encounter an unanticipated void in the coal, we will install a minimum of 20' of casing below the void but not more than 100' below the void, set a basket and grout to surface. We plan to run an ACP above the Gantz/Dominion Storage interval to aid in sealing off and isolating the storage interval.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The stimulation will be completed with multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals. See attached list. Maximum pressure not to exceed 12,500 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 6.32 acres

22) Area to be disturbed for well pad only, less access road (acres): 4.12 acres

23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing.  
Freshwater/Coal - centralized every 3 joints to surface.  
Intermediate 1 - Bow Spring on every joint, will also be running ACP for isolating storage zone  
Intermediate 2 - Bow Spring on first 2 joints then every third joint to 100' from surface.  
Production - Vertical - Run 1 spiral centralizer every 5 joints from the top of the curve to surface, Curve - Run 1 spiral centralizer every 3 joints from the 1st 5.5' long joint to the top of the curve.

24) Describe all cement additives associated with each cement type:

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig.  
Fresh Water/Coal - 15.0 ppg, Class A Nnet, 94819k, 40% Excess Yield = 1.18 / CTS  
Intermediate 1 - Storage String - CTS - 15.4 ppg Lead - Yield 1.24 - D898 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements) B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per BBL CernNET - 60% Excess 15.9 ppg Tail - Yield 1.17 - D898 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements) B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOK / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam / D801 - 0.03 gal / sack Retarder - 0% Excess  
Intermediate 2 - 15.9 ppg Class A 94819k, 1% Calcium BWOC - 40%, Excess Yield = 1.2 / CTS  
Production - Class A 14.8 ppg, Yield 1.34 D255 - 0.4% BWOB Fluid Loss D198 - 0.55% BWOB Retarder D047 - 0.02 gal / sack Anti Foam D208 - 0.05% BWOB Viscosifier 10% Excess

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.  
Fresh Water/Coal - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.  
Intermediate 1 - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.  
Intermediate 2 - Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.  
Production - Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.

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\*Note: Attach additional sheets as needed.

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WV Department of  
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1214 N-1H

Marcellus Shale Horizontal

Lewis County, WV



\*\*\* Storage String \*\*\* CTS \*\*\*

15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)  
 B346 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB  
 Dispersant / D095 1.5 lb per BBL GemNET\* - 60% Excess  
 15.9 ppg Tail - Yield 1.17 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)  
 B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOC\* / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam /  
 D801 - 0.03 gal / sack Retarder - 0% Excess

Ground Elevation			1159'			1214 N-1H SHL			14206291.41N 1775685.25E		
Azm			340.884°			1214 N-1H LP			14205943.75N 1773304.58E		
WELLBORE DIAGRAM			1214 N-1H BHL			14221730.66N 1767832.89E					
HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS		
30"	30" 157.5# LS	Conductor	0	120	AIR	N/A Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness		
26"	20" 94# J-55	Fresh Water	0	200, 550, 800	AIR	15.6 ppg Class A Neat 94#/sk 40% Excess Yield=1.18 / CTS	Centralized every 3 joints to surface	Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.	Surface casing = 0.438" wall thickness Burst=2110 psi		
		Kittaning Coal	910	915							
		Fresh Water Protection	0	1100							
17.5"	13-3/8" 68# J-55 BTC	Little Lime	1501	1517	AIR / KCL Salt Polymer	See above (LEFT) for Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation	Bow Spring on every joint <i>"will also be running ACP for isolating storage zone"</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi		
		Big Lime	1543	1604							
		Injun / Gantz (Storage)	1608 / 1881	1712 / 1941							
		Intermediate 1	0	2066							
12.25"	9-5/8" 40# N-60 BTC	Fifty / Thirty Foot	1997 / 2096	2017 / 2111	AIR / 9.0ppg SOBM	15.6 ppg Class A 94#/sk 1% Calcium BWOC - 40% Excess Yield=1.2 / CTS	Bow Spring on first 2 joints then every third joint to 100' form surface	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=5750 psi		
		Gordon Stray / Gordon	2126 / 2161	2163 / 2241							
		5th Sand	2381	2426							
		Bayard / Warren	2481 / 2756	2491 / 2791							
		Speechley	3092	3107	AIR / 9.0ppg SOBM						
		Belltown	3205	3265							
		Bradford	3868								
		Benson	4389	4401							
Intermediate 2	0	TVD: 4601' MD: 4871' Inc: 37 deg.									
8.5" Curve	5-1/2" 23# P-110 HP CDC HTQ	Rhinestreet	6009	6279	11.5ppg-12.5ppg SOBM	Class A 14.8 ppg Yield 1.34 D255 - 0.4% BWOB Fluid Loss D198 - 0.55% BWOB Retarder D047 - 0.02 gal / sack Anti Foam D208 - 0.05% BWOB Viscosifier 10% Excess	Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note: Actual centralizer schedules may be changed due to hole conditions		
		Cashaqua	6279	6379							
		Middlesex	6379	6411							
		West River	6411	6482							
		Burkett	6482	6492							
		Tully Limestone	6492	6600							
		Hamilton	6600	6709							
		Marcellus	6709	6825							
		TMD / LP TVD (Production)	24682	6820							
		Onondaga	6825								
8.5" Lateral					11.5ppg-12.5ppg SOBM						

LP @ 6920' TVD / 7960' MD

8.5" Hole - Cemented Long String  
5-1/2" 23# P-110 HP CDC HTQ

+/-16722' ft Lateral

TD @ +/-7316' TVD  
+/-24682' MD

X=centralizers

2,549' to Bottom Hole

6,592' to Top Hole

TOP LATITUDE 39 - 07 - 30  
BTM LATITUDE 39 - 10 - 00

BTM LONGITUDE 80 - 32 - 30  
TOP LONGITUDE 80 - 30 - 00

2,233' to Top Hole

1,923' to Bottom Hole

HG Energy II Appalachia, LLC  
Well No. Burnside 1214 N-1H MOD

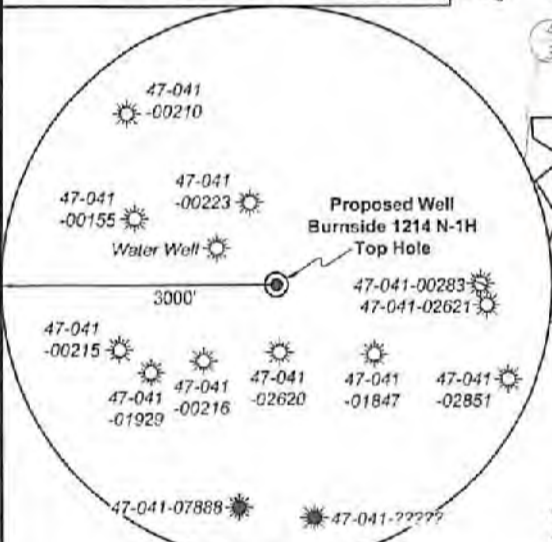
Page 1 of 3



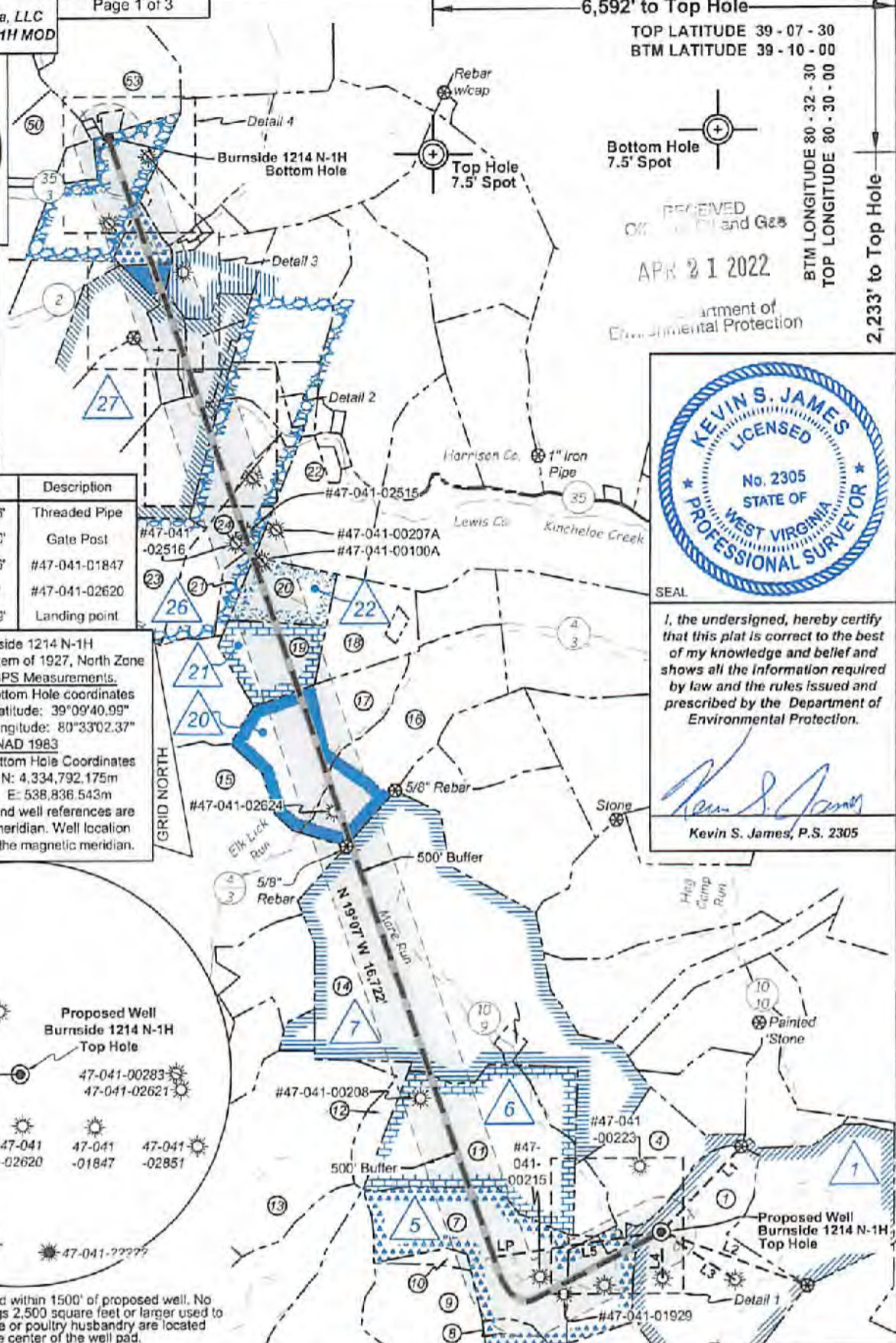
Notes:  
Well No. Burnside 1214 N-1H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,206,291.41'  
E: 1,775,685.25'  
Landing Point Coordinates  
N: 14,205,943.75'  
E: 1,773,304.58'  
Bottom Hole Coordinates  
N: 14,221,730.66'  
E: 1,767,832.89'

Tag	Bearing	Dist.	Description
L1	S 43°09' W	1,859.8'	Threaded Pipe
L2	N 69°51' W	2,208.0'	Gate Post
L3	N 56°59' W	1,247.6'	#47-041-01847
L4	N 01°46' W	655.9'	#47-041-02620
L5	S 81°42' W	2,405.8'	Landing point

Notes: Well No. Burnside 1214 N-1H  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°07'07.93" Latitude: 39°09'40.99"  
Longitude: 80°31'23.68" Longitude: 80°33'02.37"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,330,086.284m N: 4,334,792.175m  
E: 541,229.947m E: 538,836.543m  
Plat orientation and corner and well references are  
based upon the grid north meridian. Well location  
references are based upon the magnetic meridian.



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.



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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.

Kevin S. James, P.S. 2305

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-1H 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: April 11 2022  
OPERATOR'S WELL NO. Burnside 1214 N-1H  
API WELL NO  
47 - 041 - 05725  
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) Curve, TVD, MD - MOD 7,316' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,682' 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

05/13/2022

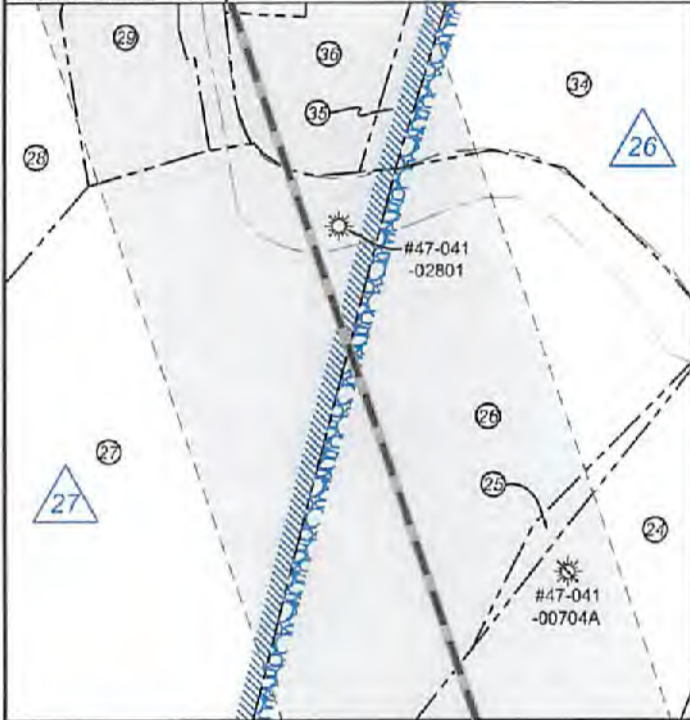
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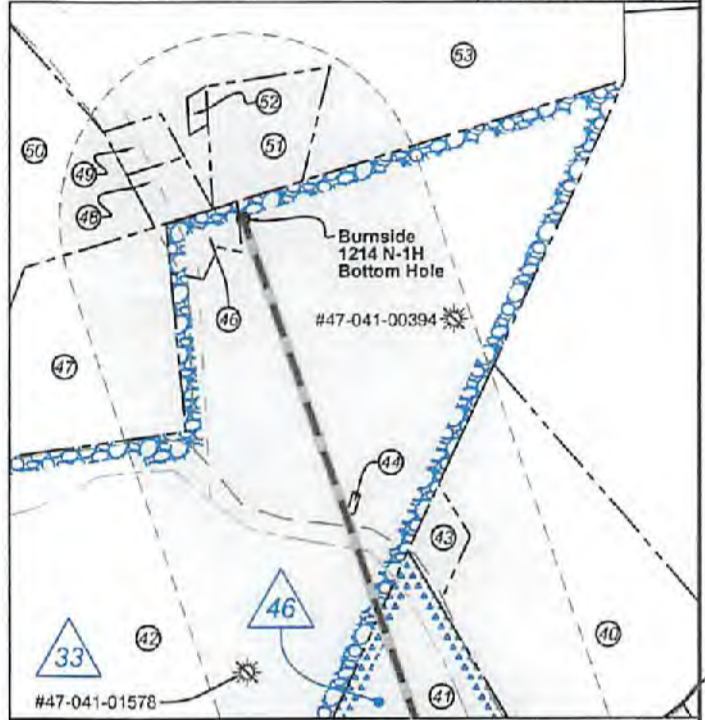
WV Department of  
Environmental Protection



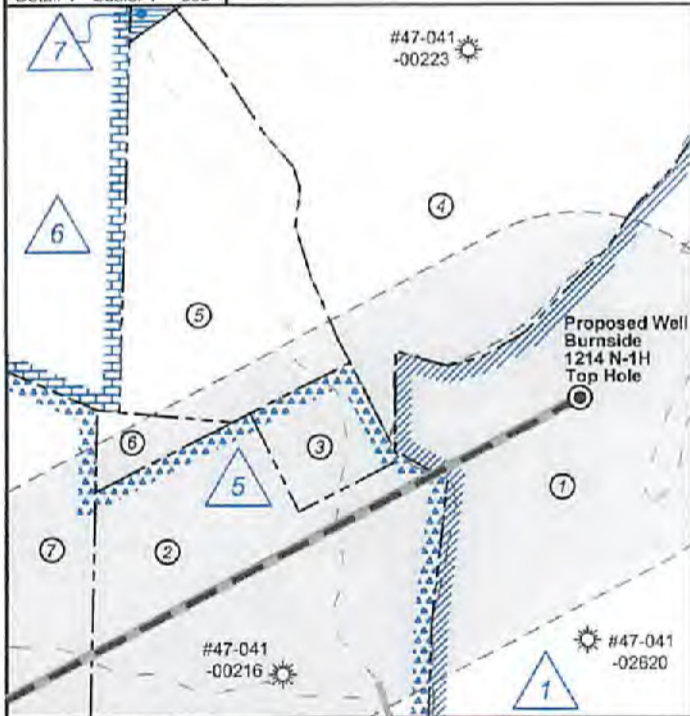
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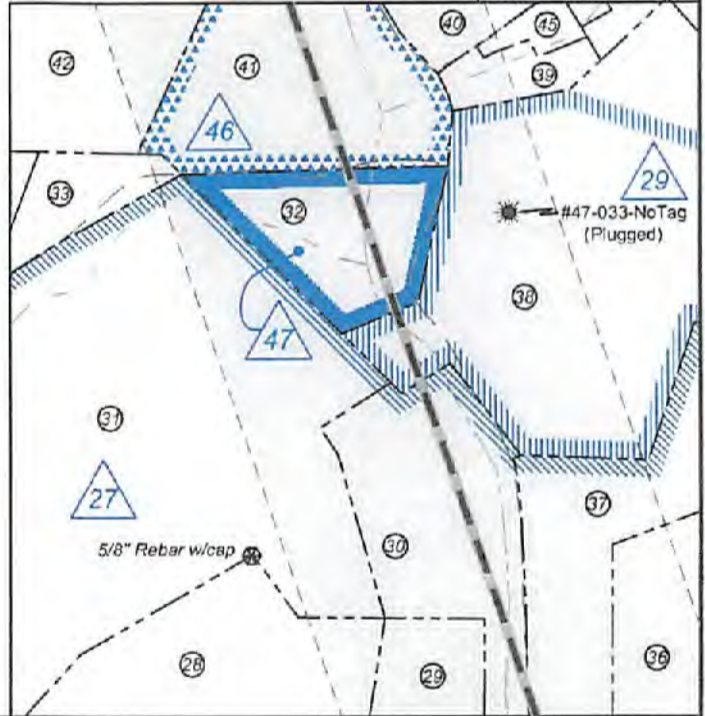
Detail 4 - Scale: 1" = 500'



Detail 1 - Scale: 1" = 500'



Detail 3 - Scale: 1" = 500'



FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-1H 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: April 11 2022  
OPERATOR'S WELL NO. Burnside 1214 N-1H  
API WELL NO  
47 - 041 - 05725  
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

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Curve, TVD, MD - MOD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,316' TVD 24,682' MD

Btm: Big Isaac  
QUADRANGLE: Top: Camden

COUNTY: Lewis

ACREAGE: 115.00

ACREAGE: 214.08

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

05/13/2022



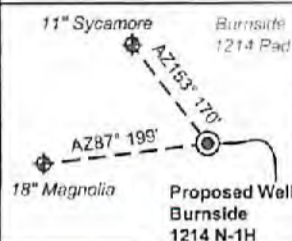


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Well Location References  
Not to Scale

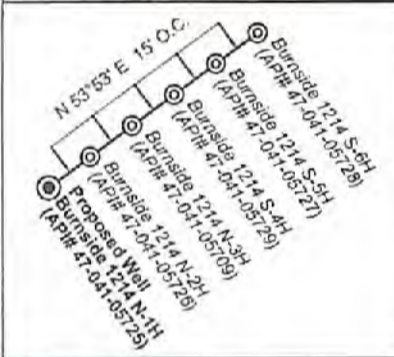


Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 3.2	John K. Burnside, et al	666 / 44	115.00
2	5C / 41	Phillip E. Burnside	766 / 831	23.90
3	5C / 41.1	Mike Ross, Inc., et al	676 / 133	2.09
4	5C / 34	Karina K. Rowe	572 / 209	42.00
5	5C / 35	Robert S. Giotfelty	399 / 241	14.77
6	5C / 36	Phillip E. Burnside	766 / 831	0.71
7	5C / 37	Phillip E. Burnside	766 / 831	83.75
8	5C / 40	Phillip E. Burnside, et al	666 / 503	6.50
9	5C / 39	Phillip E. Burnside, et al	666 / 503	47.00
10	5C / 38	Phillip E. Burnside	766 / 831	4.25
11	5C / 32	Robert S. Giotfelty	399 / 241	94.40
12	5C / 31	Nancy Hayhurst & Mary Snyder	F30 / 392	13.75
13	5C / 30	Woody Lumber Co., Inc.	590 / 438	140.50
14	5B / 18	Mike Ross Inc.	659 / 215	279.97
15	5B / 21	Theodore J. & Jacqueline Riley	467 / 254	140.00
16	5B / 32	John & Rhonda Myers	652 / 73	76.64
17	5B / 31	Merk D. Griffith, et ux	652 / 69	64.04
18	5B / 33	Kelly Joanne Burrows Bowie	622 / 463	33.49
19	5B / 29	Kelly Joanne Burrows Bowie	622 / 463	32.00
20	5B / 28	Kelly Joanne Burrows Bowie	622 / 463	21.25
21	5B / 27	Kelly Joanne Burrows Bowie	622 / 463	6.25
22	5A / 16.1	Charles D. & Samantha L. Brosius	710 / 356	49.90
23	5B / 26	Dawna J. Burnside	762 / 219	52.00
24	5A / 15	Brian K. & Debra D. Lough	728 / 285	43.77
25	5A / 14	Dawna Jo Burnside	762 / 219	1.00
26	5A / 13	Dawna Jo Burnside	762 / 219	27.00
27	5A / 12	Jeffrey P. & Anessa E. Griffith	745 / 162	47.84
28	5A / 12.1	Jeffrey P. & Anessa E. Griffith	745 / 162	47.84
29	5A / 10	Jeffrey P. & Anessa E. Griffith, et al	745 / 162	3.97
30	5A / 9	Jeffrey P. & Anessa E. Griffith	745 / 162	7.96
31	5A / 8	Robert F. Burnside	710 / 276	32.61
32	5A / 17	Bradford & Jennifer Lemon	1145 / 7	4.95
33	5A / 7	Robert F. Burnside	710 / 276	1.50

ID	Lease
1	J.S. Hall, et ux
5	Blonda S. Hall, et al
6	N.A. Lovett, et ux
7	Hudson Bailey, et ux
20	Joseph H. Bailey, et ux
21	Billie L. McKinney Revocable Trust, et al
22	Flodia R. Smith
26	J.A. White, et ux
27	Guffey Oil & Gas Royalties, Inc., et al
29	Mark E. Hitt
33	William A. Booth, et ux
46	Pamela J. Hughes, et al
47	Bradford W. Lemon, et al

Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
34	442 / 5	Brian K. & Debra D. Lough	1610 / 675	13.69
35	442 / 3	Brian K. & Debra D. Lough	1623 / 961	2.00
36	442 / 2	Brian K. & Debra D. Lough	1623 / 963	9.13
37	442 / 1	Central Pittsburgh Coal Corp.	943 / 764	10.00
38	422 / 28	James P. Winski	1216 / 300	38.19
39	422 / 27	Gerald & Vicky Hall	1616 / 1220	1.20
40	422 / 24.1	Matthew C. & Shana L. Gould	1599 / 1102	9.00
41	421 / 45	Kathy M. Bright	1152 / 298	10.88
42	421 / 44	Matthew C. & Shana L. Gould	1468 / 1020	51.21
43	422 / 23	Matthew C. & Shana L. Gould	1468 / 1020	0.75
44	421 / 44.1	Harrison County Board of Education	519 / 20	0.03
45	422 / 26	Charles G. Dennison	W156 / 747	1.00
46	421 / 44.3	Sherman J. Snider	1392 / 1120	0.65
47	421 / 38	Atlantic Coast Pipeline, LLC	1516 / 421	6.00
48	421 / 40	Sherman J. Snider	1392 / 1120	0.60
49	421 / 41	Walter S. Workman (LE)	1628 / 745	0.48
50	421 / 43.3	Ray M. Moser, Jr.	1291 / 1136	29.11
51	421 / 43.2	Lynn A. Hughes	1581 / 444	2.00
52	421 / 42	Lynn A. Hughes	1581 / 444	0.14
53	421 / 43.1	Schuyler & Pamela J. Hughes	1336 / 276	42.40

Wellhead Layout (NTS)



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.)

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-1H 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: April 11 2022  
OPERATOR'S WELL NO. Burnside 1214 N-1H  
API WELL NO  
47 - 041 - 05725  
STATE COUNTY PERMIT

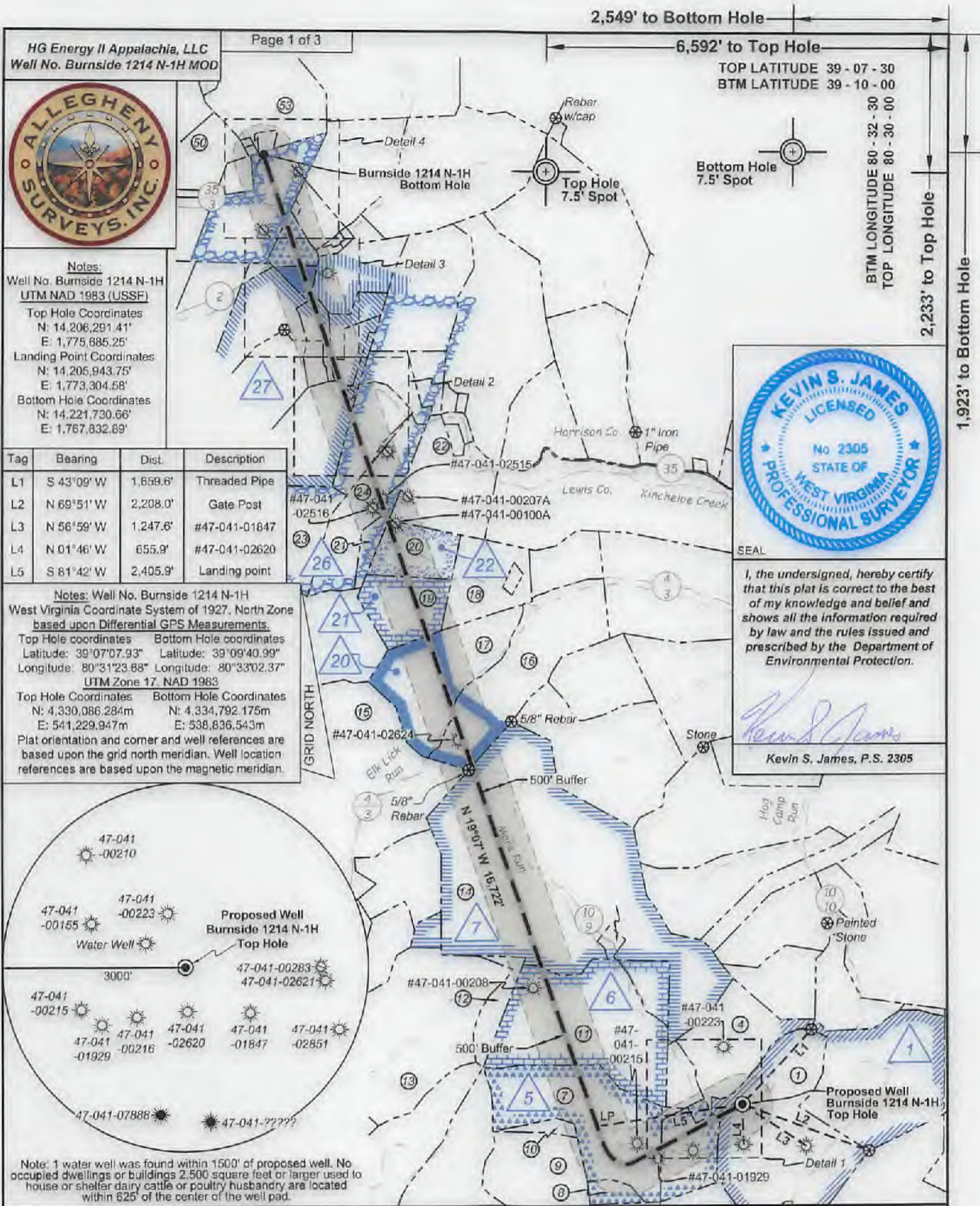
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

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) Curve, TVD, MD - MOD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,316' TVD 24,682' 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

05/13/2022



FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-1H 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: April 11 2022  
OPERATOR'S WELL NO. Burnside 1214 N-1H  
API WELL NO. **M10**  
47 - 041 - 05725  
STATE COUNTY PERMIT

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

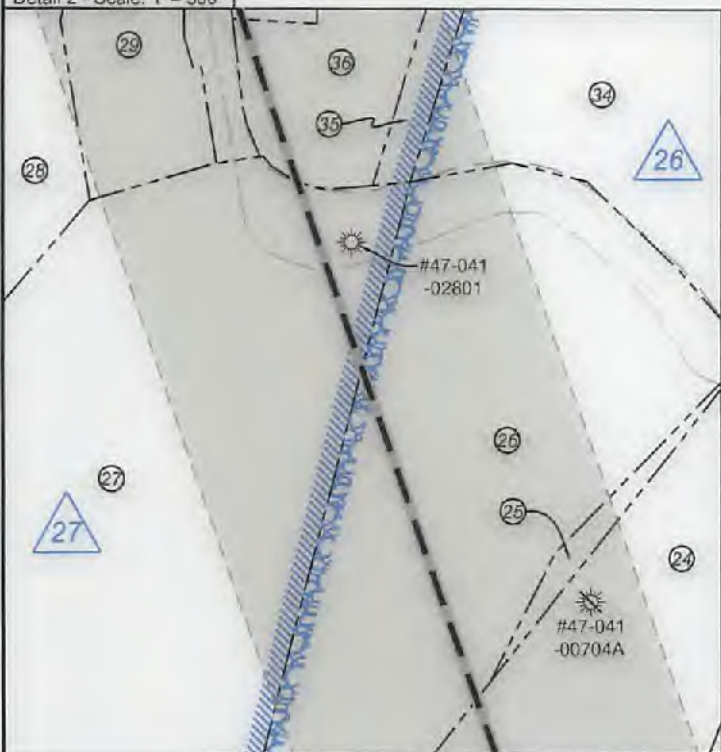
LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek  
SURFACE OWNER: John K. Burnside, et al  
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: ACREAGE: 214.08  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Curve, TVD, MD - MOD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,682' MD

7,318' TVD

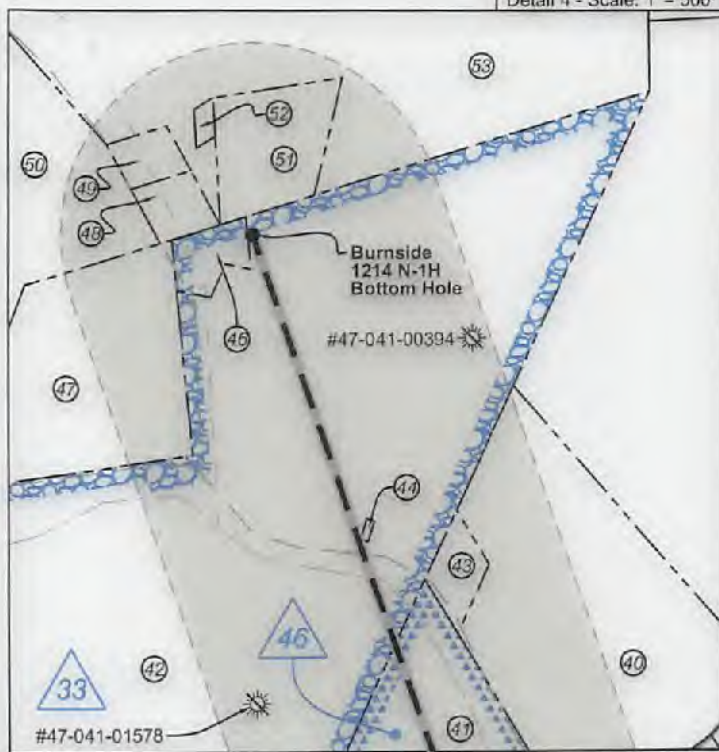
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101



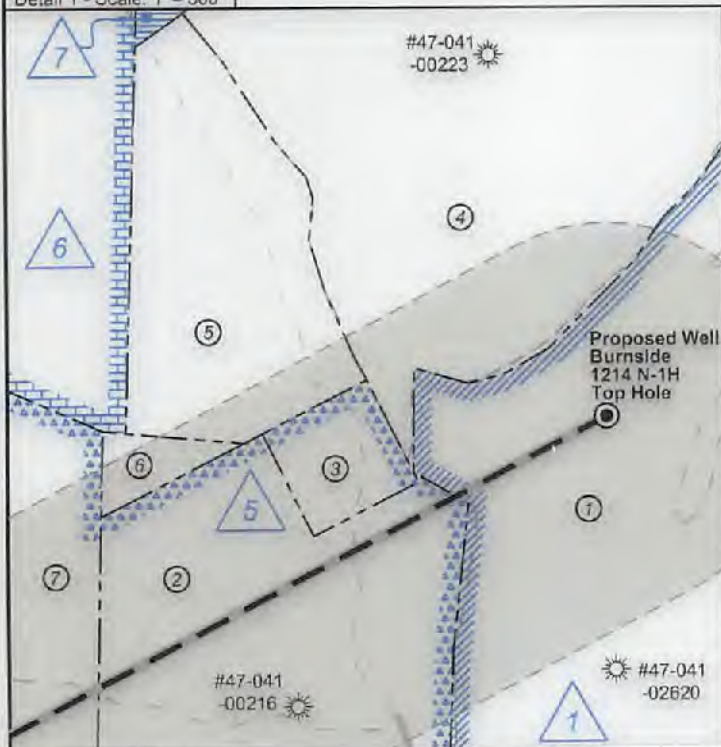
Detail 2 - Scale: 1" = 500"



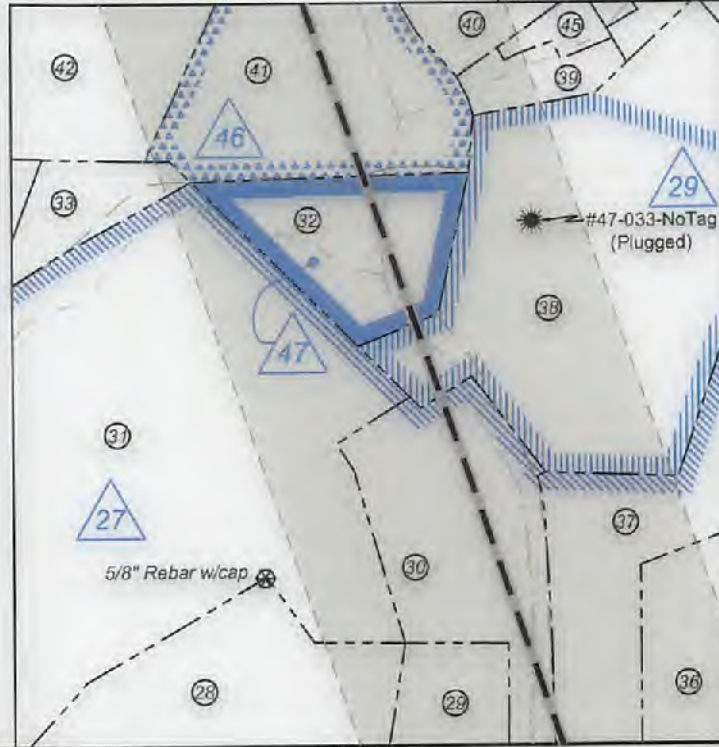
Detail 4 - Scale: 1" = 500"



Detail 1 - Scale: 1" = 500"



Detail 3 - Scale: 1" = 500"



FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-1H 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: April 11 2022  
OPERATOR'S WELL NO. Burnside 1214 N-1H  
API WELL NO  
47 - 041 - 05725  
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: Btm: Big Isaac  
Top: Camden  
COUNTY: Putnam  
ACREAGE: 115.00

DISTRICT: Freemans Creek

SURFACE OWNER: John K. Burnside, et al

ROYALTY OWNER: J.S. Hall, et ux, et al

LEASE NO: ACREAGE: 214.08

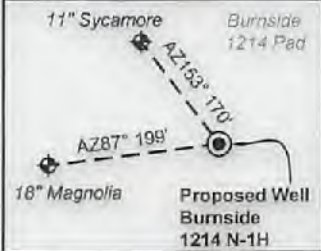
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Curve, TVD, MD - MOD 7,316' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,682' MD

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



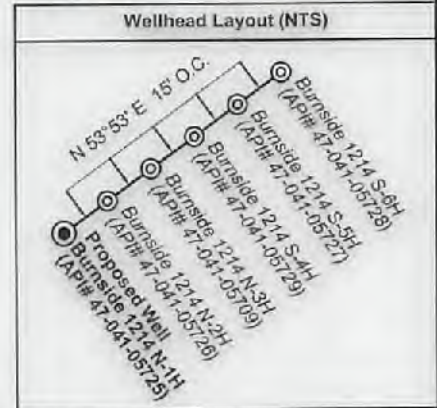
Well Location References  
Not to Scale



Lewis Co. - Freeman Creek Dist.			
No.	TM / Par	Owner	Bk / Pg Ac.
1	6C / 3.2	John K. Burnside, et al	666 / 44 115.00
2	5C / 41	Phillip E. Burnside	766 / 831 23.90
3	5C / 41.1	Mike Ross, Inc., et al	676 / 133 2.09
4	5C / 34	Karina K. Rowe	572 / 209 42.00
5	5C / 35	Robert S. Giotfelty	399 / 241 14.77
6	5C / 36	Phillip E. Burnside	766 / 831 0.71
7	5C / 37	Phillip E. Burnside	766 / 831 83.75
8	5C / 40	Phillip E. Burnside, et al	666 / 503 6.50
9	5C / 39	Phillip E. Burnside, et al	666 / 503 47.00
10	5C / 38	Phillip E. Burnside	766 / 831 4.25
11	5C / 32	Robert S. Giotfelty	399 / 241 94.40
12	5C / 31	Nancy Hayhurst & Mary Snyder	F30 / 392 13.75
13	5C / 30	Woody Lumber Co., Inc.	590 / 438 140.50
14	5B / 18	Mike Ross Inc.	659 / 215 279.97
15	5B / 21	Theodore J. & Jacqueline Riley	467 / 254 140.00
16	5B / 32	John & Rhonda Myers	652 / 73 76.64
17	5B / 31	Mark D. Griffith, et ux	652 / 69 64.04
18	5B / 33	Kelly Joanne Burrows Bowie	622 / 463 33.49
19	5B / 29	Kelly Joanne Burrows Bowie	622 / 463 32.00
20	5B / 28	Kelly Joanne Burrows Bowie	622 / 463 21.25
21	5B / 27	Kelly Joanne Burrows Bowie	622 / 463 6.25
22	5A / 16.1	Charles D. & Samantha L. Brosius	710 / 356 49.90
23	5B / 26	Dawna J. Burnside	762 / 219 52.00
24	5A / 15	Brian K. & Debra D. Lough	728 / 285 43.77
25	5A / 14	Dawna Jo Burnside	762 / 219 1.00
26	5A / 13	Dawna Jo Burnside	762 / 219 27.00
27	5A / 12	Jeffrey P. & Anessa E. Griffith	745 / 162 47.84
28	5A / 12.1	Jeffrey P. & Anessa E. Griffith	745 / 162 47.84
29	5A / 10	Jeffrey P. & Anessa E. Griffith, et al	745 / 162 3.97
30	5A / 9	Jeffrey P. & Anessa E. Griffith	745 / 162 7.96
31	5A / 8	Robert F. Burnside	710 / 276 32.61
32	5A / 17	Bradford & Jennifer Lemon	1145 / 7 4.95
33	5A / 7	Robert F. Burnside	710 / 276 1.50

ID	Lease
1	J.S. Hall, et ux
5	Blonda S. Hall, et al
6	N.A. Lovell, et ux
7	Hudson Bailey, et ux
20	Joseph H. Bailey, et ux
21	Billie L. McKinney Revocable Trust, et al
22	Flodia R. Smith
26	J.A. White, et ux
27	Guffey Oil & Gas Royalties, Inc., et al
28	Mark E. Hill
33	William A. Booth, et ux
46	Pamela J. Hughes, et al
47	Bradford W. Lemon, et al

Harrison Co. - Union-Outside Dist.			
No.	TM / Par	Owner	Bk / Pg Ac.
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36	442 / 2	Brian K. & Debra D. Lough	1623 / 963 9.13
37	442 / 1	Central Pittsburgh Coal Corp.	943 / 764 10.00
38	422 / 28	James P. Winski	1216 / 300 38.19
39	422 / 27	Gerald & Vicky Hall	1616 / 1220 1.20
40	422 / 24.1	Matthew C. & Shana L. Gould	1599 / 1102 9.00
41	421 / 45	Kathy M. Bright	1152 / 298 10.88
42	421 / 44	Matthew C. & Shana L. Gould	1468 / 1020 51.21
43	422 / 23	Matthew C. & Shana L. Gould	1468 / 1020 0.75
44	421 / 44.1	Harrison County Board of Education	519 / 20 0.03
45	422 / 26	Charles G. Dennison	W156 / 747 1.00
46	421 / 44.3	Sherman J. Snider	1392 / 1120 0.65
47	421 / 38	Atlantic Coast Pipeline, LLC	1618 / 421 6.00
48	421 / 40	Sherman J. Snider	1392 / 1120 0.60
49	421 / 41	Walter S. Workman (LE)	1628 / 745 0.46
50	421 / 43.3	Ray M. Moser, Jr.	1291 / 1136 29.11
51	421 / 43.2	Lynn A. Hughes	1581 / 444 2.00
52	421 / 42	Lynn A. Hughes	1581 / 444 0.14
53	421 / 43.1	Schuyler & Pamela J. Hughes	1336 / 276 42.40



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.)

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-1H 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: April 11 2022  
OPERATOR'S WELL NO. Burnside 1214 N-1H  
API WELL NO. MOD  
47 - 041 - 05725  
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) Curve, TVD, MD - MOD 7,316' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,882' 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

WW-6A1  
(5/13)

Operator's Well No. Bumside 1214 N-1H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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**\*\*See Attached Sheets\*\***

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: HG Energy II Appalachia, LLC  
By: Diane White *DWhite*  
Its: Accountant

HG Energy II Appalachia, LLC - Burnside 1214 N-1H

1214N Tract	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE				
1	FK053143	03-006C-0003-0000 03-006C-0003-0001 03-005C-0042-0000	Q101021000	I. S. HALL AND CORA A. HALL, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	94				
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127				
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370				
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202				
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127				
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1				
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170				
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220				
				5	FK064784	03-005C-0037-0000 03-005C-0040-0000 03-005C-0041-0000	Q101057000	BLONDA S. HALL AND LUCY S. HALL, HIS WIFE; JAMES H. HALL AND PATRICIA HALL, HIS WIFE; MABEL HALL, WIDOW; MARJORIE HALL COSBY AND ROBERT S. COSBY, JR., HER HUSBAND; ROBERTA HALL STEPHENS AND CHARLES H. STEPHENS, HER HUSBAND; MABEL JANE HALL GIBBS; AND, HERBERT F. GIBBS, JR., HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	222	449
								HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425					127				
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS									
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS									
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672					154				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684					57				
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712					848				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717					1				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					170				
DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS									
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723					499				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734					558				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736					220				
N. A. LOVETT AND S. E. A. LOVETT, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42					109				
SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85					127				
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294					89				

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FK053161

03-005C-0032-0000  
03-005C-0033-0000

Q100334000

CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220

7

FK052228

03-005B-0018-0000  
03-005C-0051-0000Q100758000  
Q102422000

HUDSON BAILEY AND CHARLOTTE BAILEY, HIS WIFE	A. W. WOODFORD AND GEO. MCGIRE	NOT LESS THAN 1/8	33	424
JAMES M. GUFFEY AND JOHN H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	583
THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	85	141
PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220

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FK053177

p/o 03-005B-0031-0000  
p/o 03-005B-0032-0000

Q100383000

JOSEPH H. BAILEY AND CATHERINE BAILEY, HIS WIFE	LOUIS BENNETT	NOT LESS THAN 1/8	33	272
LOUIS BENNETT	S. E. BARRETT	ASSIGNMENT	35	548
S. E. BARRETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	46	283
J. M. GUFFEY AND JNO. H. GALEY	SOUTH PENN OIL COMPANY	ASSIGNMENT	42	532
SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127
HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370
RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499

				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
21		03-0058-0029-0000	HG10532 & HG10533	BILLIE L. MCKINNEY REVOCABLE TRUST, MATTHEW KENT MCKINNEY, TRUSTEE	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	748	125
				OLIVE S. BELL IRRIVOCABLE TRUST DATE APRIL 8, 1999, LINDA RAE BELL BROWN, TRUSTEE	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	748	127
				FLODIA ROMINE SMITH, WIDOW	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	278	641
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	LIMITED DEPTH ASSIGNMENT	692	570
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
				J. A. WHITE AND J. ALICE WHITE, HIS WIFE	LOUIS BENNETT	NOT LESS THAN 1/8	39	70
				J. A. WHITE AND J. ALICE WHITE, HIS WIFE	HOPE NATURAL GAS COMPANY AND LOUIS BENNETT	MODIFICATION OF LEASE	52	465
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
				GUFFEY OIL AND GAS ROYALTIES, INC (Q143841001)	E. DAVISSON HARDMAN	NOT LESS THAN 1/8 (171 ACRES)	388	65
				EARL FREEMAN (Q143841002)	E. DAVISSON HARDMAN	NOT LESS THAN 1/8 (104 ACRES)	395	553
				CENTRAL-PITTSBURGH COAL CORPORATION	E. DAVISSON HARDMAN	NOT LESS THAN 1/8 (10 ACRES)	1113	98
				OWEN J. SCHMITT (Q098904000)	CNX GAS COMPANY	NOT LESS THAN 1/8 (7.53 ACRES)	700	70
				E. DAVISSON HARDMAN	J. ROBERT HORNOR	ASSIGNMENT (388/65 & 395/553)	1111	791
				E. DAVISSON HARDMAN	J. ROBERT HORNOR	ASSIGNMENT (1113/98)	1117	375
				J. ROBERT HORNOR	STONEWALL GAS COMPANY	ASSIGNMENT (388/65 & 395/553)	HARRISON 1118	331
				J. ROBERT HORNOR	STONEWALL GAS COMPANY	ASSIGNMENT (1113/98)	LEWIS 408	636
				JESSE PAUL BURNSIDE AND BETTY BURNSIDE, HUSBAND AND WIFE	STONEWALL GAS COMPANY	NOT LESS THAN 1/8 (32.61 ACRES)	421	256
				STONEWALL GAS COMPANY	DOMINION APPALACHIAN DEVELOPMENT INC.	MERGER/NAME CHANGE	59	1086



		20-0442-0003-0000		DOMINION APPALACHIAN DEVELOPMENT LLC	CONSOL GAS RESERVES INC	MERGER/NAME CHANGE	WVSOS	
				CONSOL GAS RESERVES, INC.	CONSOL GAS COMPANY	MERGER/NAME CHANGE	59	961
				CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT (700/70) (388/65) (395/553)	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (388/65) (395/553)	727	765
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (700/70)	722	170
29	N/A	20-0422-0028-0000	HGI101894 HGI101924 HGI101942 HGI101955 HGI101994 HGI101886	Mark E. Hitt William Larry Hitt Dawn Renee Stone Thomas J. Cullen Amy Lammers aka Amy Linn Lammers fka Amy Hitt Evring B. Swaney II		NOT LESS THAN 1/8 NOT LESS THAN 1/8 NOT LESS THAN 1/8 NOT LESS THAN 1/8 NOT LESS THAN 1/8 NOT LESS THAN 1/8	1720 1721 1720 1719 1720 1719	753 800 738 1001 1155 1313
47	N/A	03-005A-0017-0000 (prior 20-0421-0046-0000)	ARC	BRADFORD W. LEMON JENNIFER ARMSTRONG BLYSTONE SANDRA J. CARREL	ANTERO RESOURCES CORPORATION ANTERO RESOURCES CORPORATION ANTERO RESOURCES CORPORATION	NOT LESS THAN 1/8 NOT LESS THAN 1/8 NOT LESS THAN 1/8	680 670 680	73 639 67
46	HGI101713, HGI101528	20-0421-0045-0000	HGI101713 HGI101528	Pamela Jane Hughes Cathy Bright	HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 NOT LESS THAN 1/8	1710 1712	289 1054
33	N/A	20-0421-0044-0000 20-0421-0044-0001 20-0421-0044-0003	CNX298566000	WILLIAM A. BOOTH AND EVELYN Y. BOOTH, HIS WIFE PIONEER PETROLEUM INC E. DAVISSON HARDMAN J. ROBERT HORNOR J. ROBERT HORNOR STONEMOUNT GAS COMPANY STONEMOUNT GAS COMPANY DOMINION APPALACHIAN DEVELOPMENT INC DOMINION APPALACHIAN DEVELOPMENT LLC DOMINION APPALACHIAN DEVELOPMENT LLC CONSOL GAS APPALACHIAN DEVELOPMENT LLC CONSOL GAS RESERVES, INC. CONSOL GAS COMPANY LLC	PIONEER PETROLEUM INC E. DAVISSON HARDMAN J. ROBERT HORNOR STONEMOUNT GAS COMPANY STONEMOUNT 80-2 JOINT VENTURE, A JOINT VENTURE INCLUDING STONEMOUNT GAS COMPANY AND MOUNTAIN GAS 80-2 DOMINION APPALACHIAN DEVELOPMENT INC. DOMINION APPALACHIAN DEVELOPMENT LLC CONSOL GAS APPALACHIAN DEVELOPMENT LLC CONSOL GAS RESERVES INC CNX GAS COMPANY LLC HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 ASSIGNMENT ASSIGNMENT ASSIGNMENT ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE MERGER/NAME CHANGE MERGER/NAME CHANGE MERGER/NAME CHANGE ASSIGNMENT	899 1099 1094 1097 1097 59 59 59 1472 1472 1722	226 825 879 844 837 1086 1335 936 294 294 728



Stansberry, Wade A <wade.a.stansberry@wv.gov>

**Modifications H6A Horizontal Well Work Permit (API: 47-041-05709, 05725, 05726, 05727, 05728, 05729)**

1 message

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Mon, May 9, 2022 at 12:24 PM

To: Diane White <dwhite@hgeneryllc.com>, John Breen <jbreen@assessor.state.wv.us>, "Ward, Samuel D" <samuel.d.ward@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

- 47-041-05709 - BURNSIDE 1214 N-3H
- 47-041-05725 - BURNSIDE 1214 N-1H
- 47-041-05726 - BURNSIDE 1214 N-2H
- 47-041-05727 - BURNSIDE 1214 S-5H
- 47-041-05728 - BURNSIDE 1214 S-6H
- 47-041-05729 - BURNSIDE 1214 S-4H

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**






**Charleston, WV 25304**

**(304) 926-0499 ext. 41115**

**(304) 926-0452 fax**

**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**

**6 attachments**

-  **47-041-05709 - mod.pdf**  
1697K
-  **47-041-05726 - mod.pdf**  
2104K
-  **47-041-05727 - mod.pdf**  
1686K
-  **47-041-05728 - mod.pdf**  
1709K
-  **47-041-05729 - mod.pdf**  
1644K
-  **47-041-05725 - mod.pdf**  
1884K

05/13/2022