



---

west virginia department of environmental protection

---

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-2H  
47-041-05726-00-00

**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, Chief, is written over a white rectangular area. The signature is stylized and cursive.

James A. Martin  
Chief

Operator's Well Number: BURNSIDE 1214 N-2H  
Farm Name: JOHN K BURNSIDE ET AL  
U.S. WELL NUMBER: 47-041-05726-00-00  
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 11, 2022

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

*CHH*  
*030801*  
*\$5000<sup>00</sup>*  
*4/13/22*

RE: Burnside 1214 N-2H Drill Permit Revision Request – (47-041-05726)  
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, WW6A-1) and a check for expedited service for the 1214 N-2H well work permit revision request. We ask the permit be modified as additional leases have been secured to revise the lateral.

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

RECEIVED  
Office of Oil and Gas

APR 22 2022

WV Department of  
Environmental Protection  
*05/13/2022*

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-2H 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 6709/6815' and 106' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7334'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,098'

11) Proposed Horizontal Leg Length: 16,708'

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: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
APR 22 2022

WV Department of  
Environmental Protection

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	24098'	24098' ✓	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 = 1.25, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	40% excess yield = 1.25, CTS
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	40% excess yield = 1.25, CTS
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	40% excess yield = 1.25, CTS
Tubing							
Liners							

*SPW -  
4/29/2022*

PACKERS

Kind:				
Sizes:				
Depth Set:				

WW-6B  
(10/14)

4704105726  
API NO. 47- -  
OPERATOR WELL NO. Burnside 1214 N-2H  
Well Pad Name: Burnside 1214

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 7334'. Drill horizontal leg to estimated 16,708' lateral length, 24,098' 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 - 15.8 ppg, Class A Neat, 94%wt, 40% Excess Yield = 1.18 / CTS  
Intermediate 1 - \*\*\* Storage String \*\*\* CTS \*\*\* 15.4 ppg Lead - Yield 1.24 - D696 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 BSL CemNET\* - 60% Excess 15.9 ppg Tail - Yield 1.17 - D698 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 / D901 - 0.03 gal / sack Retarder - 0% Excess  
Intermediate 2 - 15.6 ppg Class A 94%/wt, 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.

RECEIVED  
Office of Oil and Gas

APR 22 2022

WV Department of  
Environmental Protection

\*Note: Attach additional sheets as needed.



1214 N-2H  
14206300.26N 1775697.37E

RECEIVED  
Office of Oil and Gas  
Marcellus Shale Horizontal  
Lewis County, WV  
APR 22 2022

1214 N-2H SHL  
14206360.22N 1774483.16E  
14222099.9N 1768921.35E

\*\*\* Storage String \*\*\* CTS \*\*\*  
15.4 ppg Lead - Yield 1.24 - D096 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 CemNET\* - 60% Excess  
15.9 ppg Tail - Yield 1.17 - D866 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)  
B100A - 0.15% BWOB Dispersant / D547 - 0.35% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam /  
D801 - 0.03 gal / sack Retarder - 0% Excess

Ground Elevation		1159'		340.539'		1214 N-2H SHL		1214 N-2H LP		1214 N-2H BHL		CENTRALIZERS		CONDITIONING		COMMENTS	
Azim		1159'		340.539'		1214 N-2H SHL		1214 N-2H LP		1214 N-2H BHL		CENTRALIZERS		CONDITIONING		COMMENTS	
WELLBORE DIAGRAM		HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS						
X	X	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						
X	X	26"	20" 94# J-55	Fresh Water Kilnning Coal Fresh Water Protection	0	1100	AIR	15.9 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						
X	X	17.5"	13-3/8" 68# J-55 BTC	Little Lime Big Lime Injun / Ganiz (Storage)	1501 1543 1808 / 1861	1517 1804 1712 / 1941	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						
X	X	12.25"	9-5/8" 40# N-80 BTC	Intermediate 1 Fifty / Thirty Foot Garden Stray / Gordon 5th Sand Bayard / Warren Speechley Balltown Bradford Benson	0 1997 / 2086 2126 / 2161 2381 2461 / 2756 3092 3205 3858 4389	2056 2017 / 2111 2163 / 2241 2426 2491 / 2791 3107 3265 4401	AIR / 9.0ppg SOBIM	15.9 ppg Class A 94#/sk 1% Calcium BWOB - 40% Excess Yield=1.2 / CTS	Bow Spring on first 2 joints then every third joint to 100' from 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						
X	X	8.5" Curve	5-1/2" 23# P-110 HP CDC HTQ	Rhinestreet Cashagua Middlesex West River Burkett Tully Limestone Hamilton Marcellus TMD / LP TVD (Production)	6009 6279 6379 6411 6482 6482 6492 6500 6709 6815 24086	6279 6379 6411 6482 6492 6709 6815 6810	AIR / 9.0ppg SOBIM	Class A 14.8 ppg Yield 1.34 D255 - 0.4% BWOB Fluid Loss Retarder D198 - 0.55% BWOB DC-7 - 0.02 gal / sack Anti Foam D203 - 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=15240 psi Note: Actual centralizer schedules may be changed due to hole conditions						
X	X	8.5" Lateral	5-1/2" Lateral	Conductage	8815		11.5ppg-12.5ppg SOBIM										

05/13/2022

LP @ 6810' TVD / 7360' MD  
8.5" Hole - Cemented Long String  
5-1/2" 23# P-110 HP CDC HTQ

+/-16708' ft Lateral

TD @ +/-7334' TVD  
+/-24038' MD

X = Centralizers

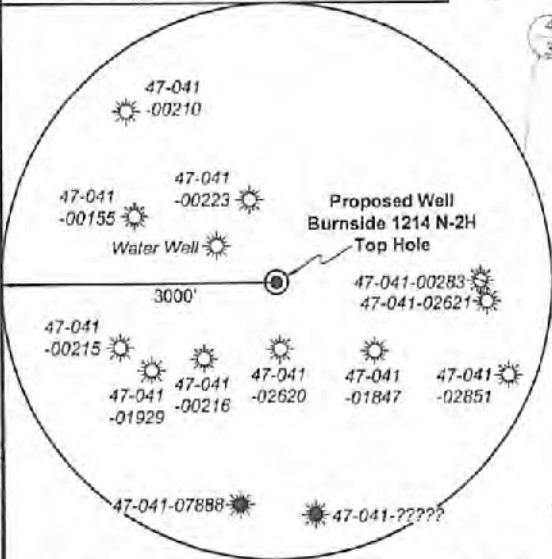
Page 1 of 3  
 HG Energy II Appalachia, LLC  
 Well No. Burnside 1214 N-2H MOD



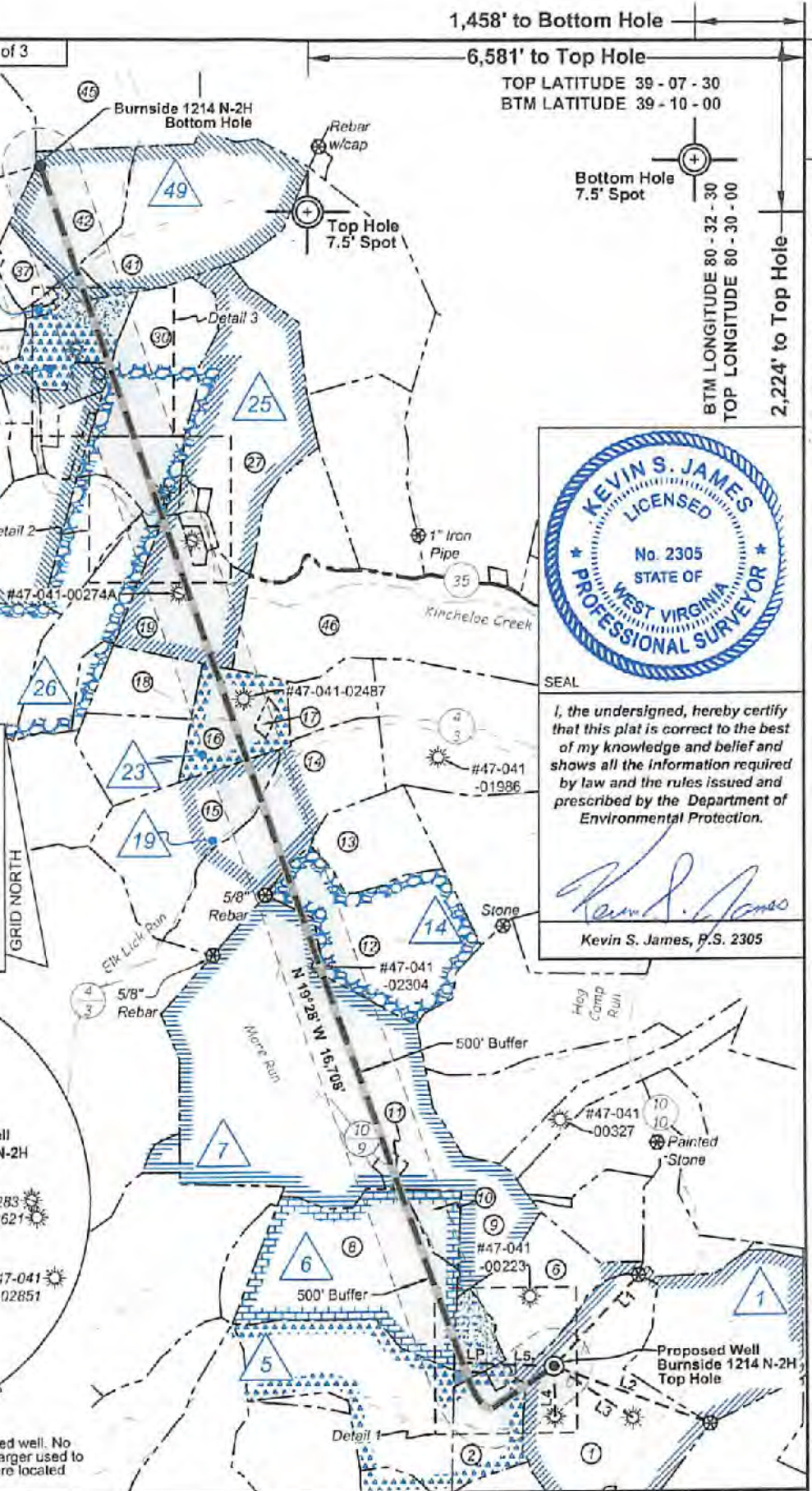
**Notes:**  
 Well No. Burnside 1214 N-2H  
 UTM NAD 1983 (USSF)  
 Top Hole Coordinates  
 N: 14,206,300.26'  
 E: 1,775,697.37'  
 Landing Point Coordinates  
 N: 14,206,360.22'  
 E: 1,774,483.16'  
 Bottom Hole Coordinates  
 N: 14,222,099.90'  
 E: 1,768,921.35'

Tag	Bearing	Dist.	Description
L1	S 43°03' W	1,644.9'	Threaded Pipe
L2	N 69°31' W	2,199.7'	Gate Post
L3	N 56°21' W	1,242.3'	#47-041-01847
L4	N 00°42' W	664.5'	#47-041-02620
L5	N 87°10' W	1,215.7'	Landing point

**Notes:** Well No. Burnside 1214 N-2H  
 West Virginia Coordinate System of 1927, North Zone  
 based upon Differential GPS Measurements.  
 Top Hole coordinates Latitude: 39°07'08.02" Longitude: 80°31'23.52"  
 Bottom Hole coordinates Latitude: 39°09'44.59" Longitude: 80°32'48.52"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates N: 4,330,088.978m E: 541,233.641m  
 Bottom Hole Coordinates N: 4,334,904.719m E: 539,168.305m  
 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.

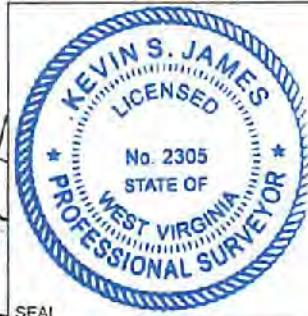


1,458' to Bottom Hole

6,581' to Top Hole

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

Bottom Hole 7.5' Spot  
 BTM LONGITUDE 80 - 32 - 30  
 TOP LONGITUDE 80 - 30 - 00  
 2,224' to Top Hole  
 1,559' to Bottom Hole



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*Kevin S. James*  
 Kevin S. James, P.S. 2305

FILE NO: 236-36-12-19  
 DRAWING NO: Burnside 1214 N-2H Well Plat  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

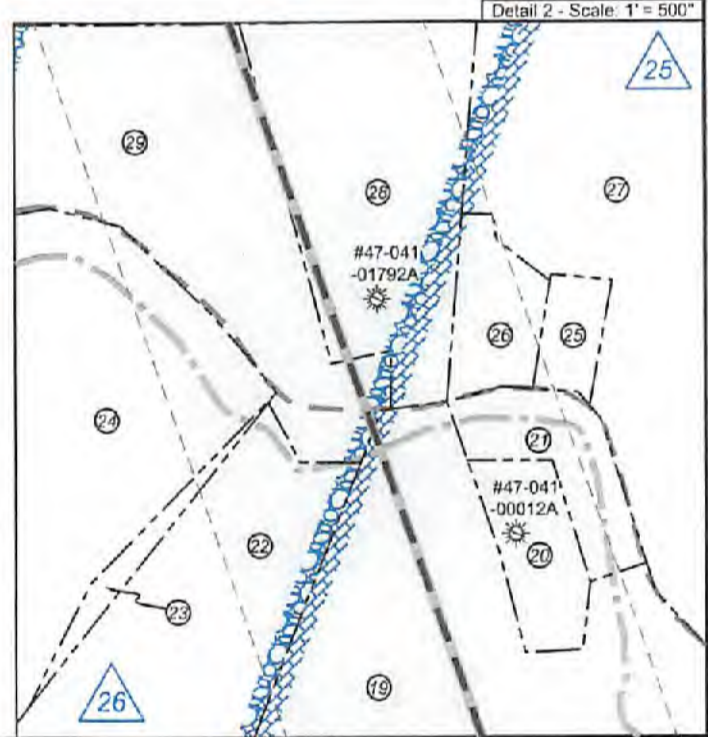
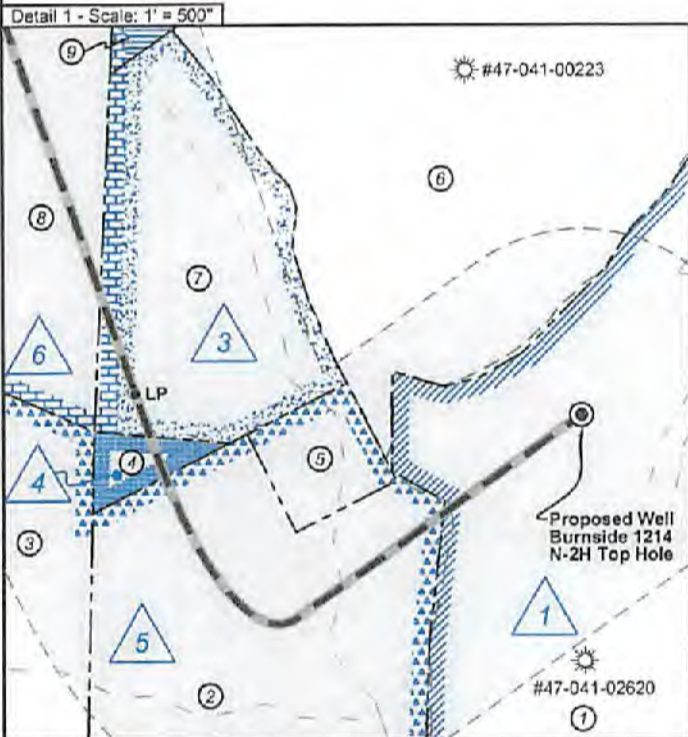
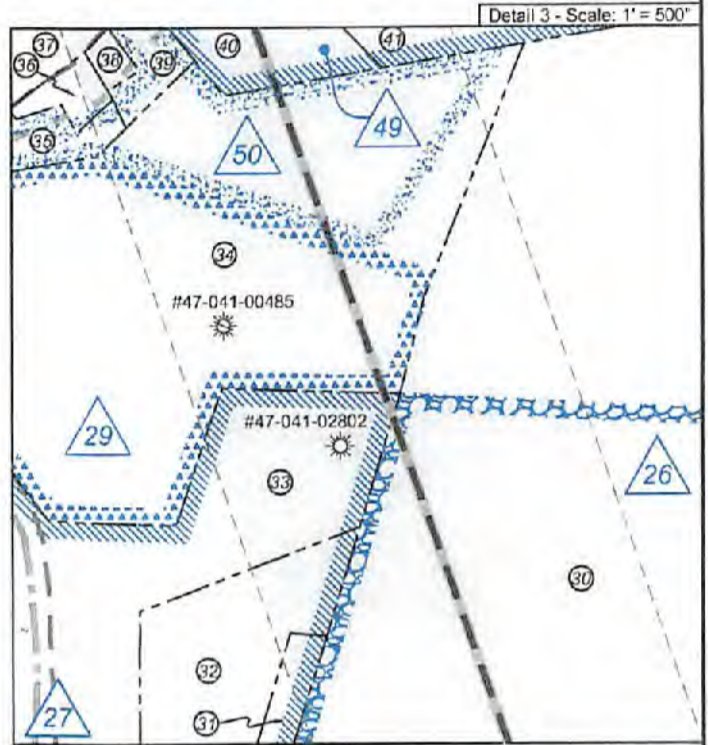
STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OIL AND GAS DIVISION

DATE: April 6 2022  
 OPERATOR'S WELL NO. Burnside 1214 N-2H  
 API WELL NO  
 47 - 041 - 05726  
 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) \_\_\_\_\_ BH-MOD \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,099' MD 7,335' TVD

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

RECEIVED  
 Office of Oil and Gas  
 APR 22 2022  
 QUADRANGLE: Top: Camden  
 COUNTY: Lewis  
 ACREAGE: 115.00  
 ACREAGE: 214.08  
 05/13/2022



FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-2H 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 6 2022  
OPERATOR'S WELL NO. Burnside 1214 N-2H  
API WELL NO  
47 - 041 - 05726  
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) \_\_\_\_\_ BH-MOD 7,335' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,099' MD

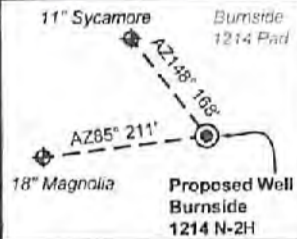
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

05/13/2022





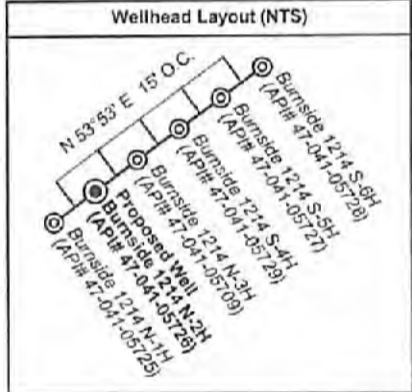
Well Location References  
Not to Scale



ID	Lease
1	J.S. Hall, et ux
3	Zina L. Kershner, et vir
4	M.I. Metheny, et vr
5	Blonda S. Hall, et al
6	N.A. Lovett, et ux
7	Hudson Bailey, et ux
14	John L. Burnside, et ux
19	W. T. Rhodes, et al
23	Arta R. Loudin, et al
25	Fern M. White, et al
26	J.A. White, et ux
27	Guffey Oil & Gas Royalties, Inc., et al
29	Mark E. Hill, et al
49	James K. Coffindaffer, et al
50	Mark E. Hill, et al

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 / 37	Phillip E. Burnside	766 / 831	83.75
4	5C / 36	Phillip E. Burnside	766 / 831	0.71
5	5C / 41.1	Mike Ross, Inc., et al	676 / 133	2.09
6	5C / 34	Karina K. Rowe	572 / 209	42.00
7	5C / 35	Robert S. Glottelty	399 / 241	14.77
8	5C / 32	Robert S. Glottelty	399 / 241	94.40
9	5B / 18	Mike Ross Inc.	659 / 215	279.97
10	5C / 33	John W. & Joyce M. Hall	567 / 82	12.30
11	5C / 51	Melissa A. & Lester Bleigh	748 / 284	3.03
12	5B / 38	Phillip E. Burnside	666 / 503	75.00
13	5B / 37	Phillip E. Burnside	666 / 503	36.00
14	5B / 32	John & Rhonda Myers	852 / 73	78.84
15	5B / 31	Mark D. Griffith, et ux	852 / 69	64.04
16	5B / 33	Kelly Joanne Burrows Bowie	622 / 463	33.49
17	5B / 33.1	Christa Burrows, et al	F30 / 856	3.01
18	5B / 28	Kelly Joanne Burrows Bowie	622 / 463	21.25
19	5A / 16.1	Charles D. & Samantha L. Brosius	710 / 356	49.90
20	5A / 16.2	Charles D. & Samantha L. Brosius	701 / 233	3.00
21	5A / 16	Charles D. & Samantha L. Brosius	701 / 233	2.85
22	5A / 15	Brian K. & Debra D. Lough	728 / 285	43.77
23	5A / 14	Dawna Jo Burnside	762 / 219	1.00
24	5A / 13	Dawna Jo Burnside	762 / 219	27.00

Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
25	442 / 6.2	Dawna Jo & Emir E. Mussad	1466 / 913	0.95
26	442 / 6.1	Ruth Burnside (LE)	1268 / 1168	1.79
27	442 / 6	J.C. & Karen L. Hayhurst	1592 / 1194	97.01
28	442 / 4.1	Karen L. Hayhurst & Dawna J. Mussad	W198 / 657	8.73
29	442 / 5	Brian K. & Debra D. Lough	1610 / 875	13.89
30	422 / 29	Karen L. Hayhurst & Dawna J. Mussad	W198 / 657	48.47
31	442 / 3	Brian K. & Debra D. Lough	1623 / 961	2.00
32	442 / 2	Brian K. & Debra D. Lough	1623 / 963	9.13
33	442 / 1	Central Pittsburgh Coal Corp.	943 / 764	10.00
34	422 / 26	James P. Winski	1216 / 300	38.19
35	422 / 27	Gerald & Vicky Hall	1616 / 1220	1.20
36	422 / 26	Charles G. Dennison	W156 / 747	1.00
37	422 / 24.1	Matthew C. & Shana L. Gould	1599 / 1102	9.00
38	422 / 24	Charles G. & Ruby N. Dennison	1140 / 648	0.25
39	422 / 25	Charles G. & Ruby N. Dennison	1140 / 648	1.15
40	422 / 30.1	Robert H. Richards, Jr., et al	W186 / 1340	3.53
41	422 / 30	Dewain Titus, Jr.	1173 / 1045	89.47
42	422 / 22	Dewain Titus, Jr.	1173 / 1045	43.00
43	421 / 44	Matthew C. & Shana L. Gould	1488 / 1020	51.21
44	421 / 43.1	Schuyler & Pamela J. Hughes	1336 / 276	42.40
45	422 / 12	Mary J. Short & Lou A. Baker	1323 / 663	105.44
46	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79



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.)
	Adjoinder surface tracts (approx.)

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-2H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV



DATE: April 6 2022  
OPERATOR'S WELL NO. Burnside 1214 N-2H  
API WELL NO  
47 - 041 - 05726  
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) \_\_\_\_\_ BH-MOD \_\_\_\_\_ 7,335' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,099' 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

1,458' to Bottom Hole

6,581' to Top Hole

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

HG Energy II Appalachia, LLC  
Well No. Burnside 1214 N-2H MOD

Page 1 of 3



Notes:  
Well No. Burnside 1214 N-2H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,206,300.26'  
E: 1,775,697.37'  
Landing Point Coordinates  
N: 14,206,360.22'  
E: 1,774,483.16'  
Bottom Hole Coordinates  
N: 14,222,099.90'  
E: 1,768,921.35'

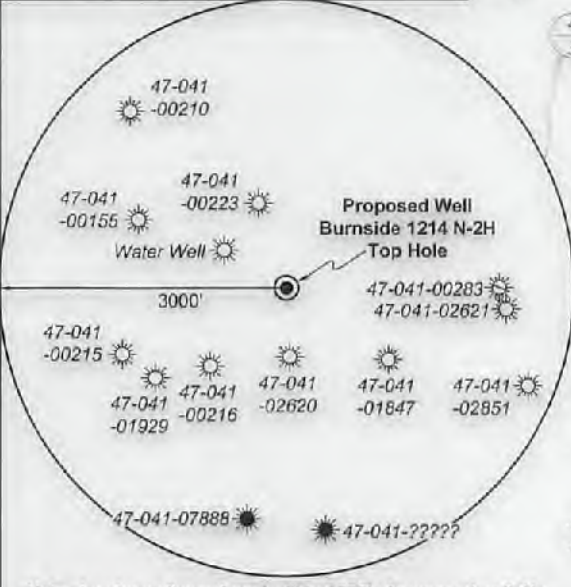
Tag	Bearing	Dist.	Description
L1	S 43°03' W	1,644.9'	Threaded Pipe
L2	N 69°31' W	2,199.7'	Gate Post
L3	N 56°21' W	1,242.3'	#47-041-01847
L4	N 00°42' W	684.5'	#47-041-02620
L5	N 87°10' W	1,215.7'	Landing point

Notes: Well No. Burnside 1214 N-2H  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°07'08.02" Latitude: 39°09'44.59"  
Longitude: 80°31'23.52" Longitude: 80°32'48.52"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,330,086.978m N: 4,334,904.719m  
E: 541,233.641m E: 539,168.305m  
Plat orientation and corner and well references are  
based upon the grid north meridian. Well location  
references are based upon the magnetic meridian.



I, the undersigned, hereby certify  
that this plat is correct to the best  
of my knowledge and belief and  
shows all the information required  
by law and the rules issued and  
prescribed by the Department of  
Environmental Protection.

*Kevin S. James*  
Kevin S. James, P.S. 2305



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.

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-2H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

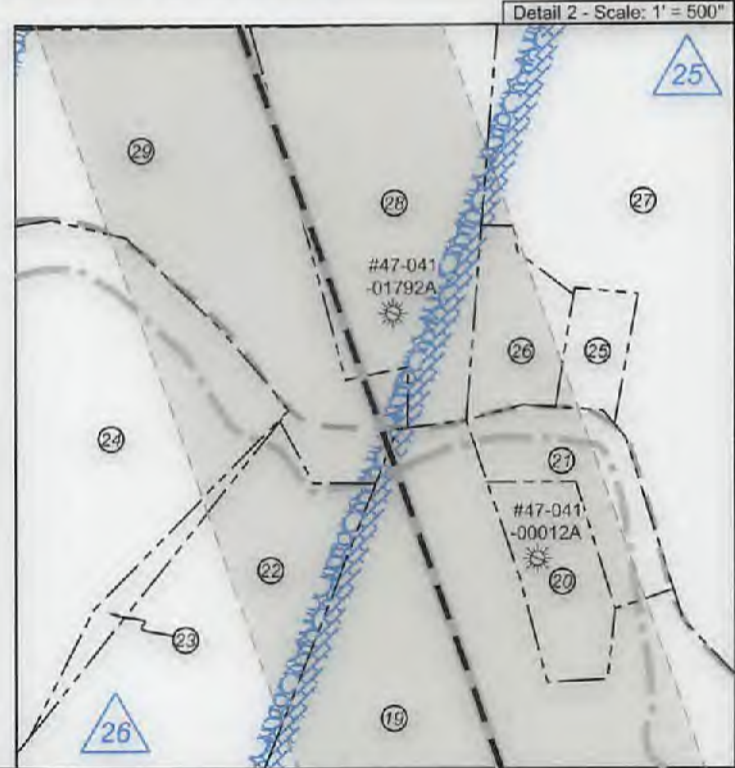
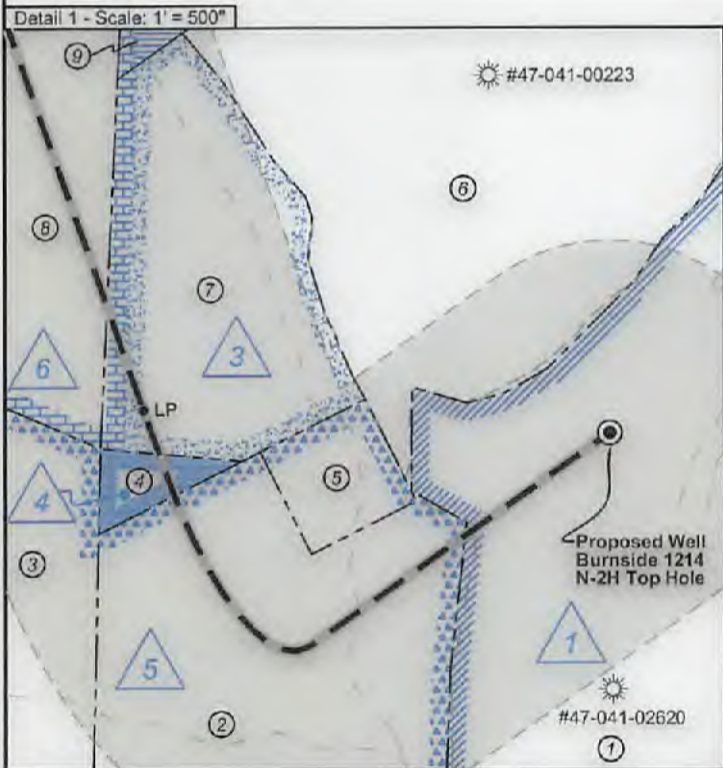
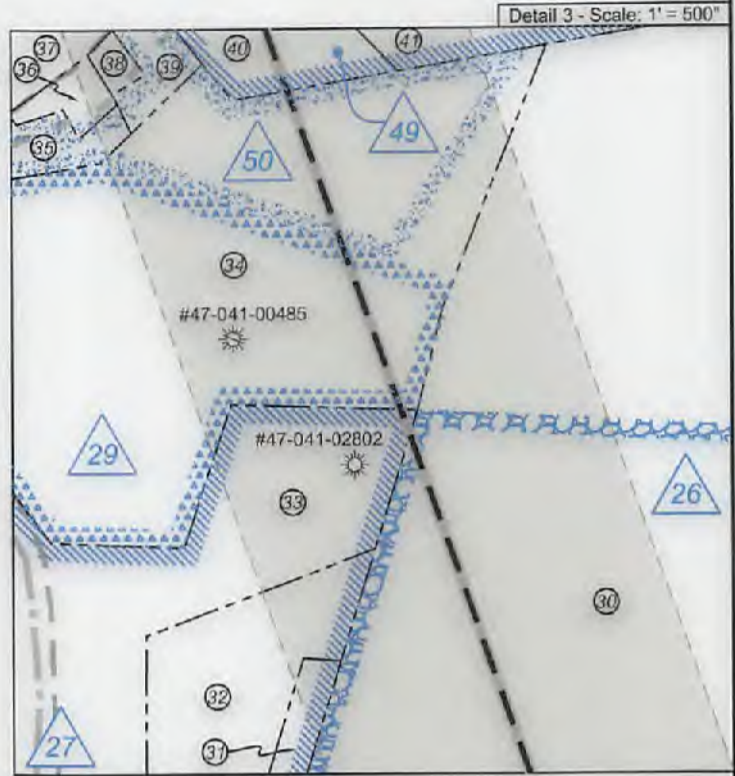
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: April 6 2022  
OPERATOR'S WELL NO. Burnside 1214 N-2H  
API WELL NO MOP  
47 - 041 - 05726  
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) BH-MOD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,335' TVD  
24,099' 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-2H 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 6 2022  
OPERATOR'S WELL NO. Burnside 1214 N-2H  
API WELL NO **MOD**  
47 - 041 - 05726  
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

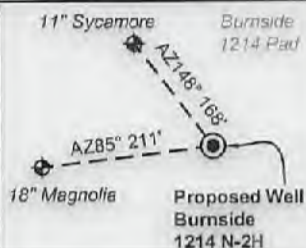
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD 7,335' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,099' MD

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

HG Energy II Appalachia, LLC  
Well No. Burnside 1214 N-2H MOD



Well Location References  
Not to Scale

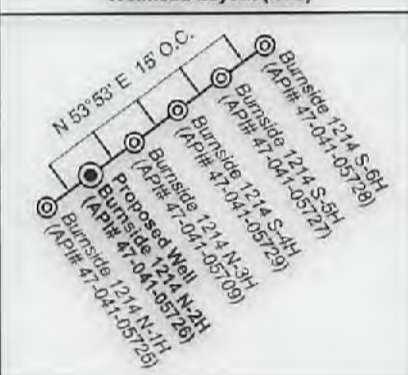


ID	Lease
1	J.S. Hall, et ux
3	Zina L. Kershner, et vir
4	M.I. Metheny, et vir
5	Blonda S. Hall, et al
6	N.A. Lovell, et ux
7	Hudson Bailey, et ux
14	John L. Burnside, et ux
19	W.T. Rhodes, et al
23	Arta R. Loudin, et al
25	Fern M. White, et al
26	J.A. White, et ux
27	Guffey Oil & Gas Royalties, Inc., et al
29	Mark E. Hitt, et al
49	James K. Coffindaffer, et al
50	Mark E. Hitt, et al

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 / 37	Phillip E. Burnside	766 / 831	83.75
4	5C / 36	Phillip E. Burnside	766 / 831	0.71
5	5C / 41.1	Mike Ross, Inc., et al	676 / 133	2.09
6	5C / 34	Karina K. Rowe	572 / 209	42.00
7	5C / 35	Robert S. Glotfelty	399 / 241	14.77
8	5C / 32	Robert S. Glotfelty	399 / 241	94.40
9	5B / 18	Mike Ross Inc.	659 / 215	279.97
10	5C / 33	John W. & Joyce M. Hall	567 / 82	12.30
11	5C / 51	Melissa A. & Lester Bleigh	748 / 284	3.03
12	5B / 37	Phillip E. Burnside	666 / 503	75.00
13	5B / 37	Phillip E. Burnside	666 / 503	36.00
14	5B / 32	John & Rhonda Myers	652 / 73	76.64
15	5B / 31	Mark D. Griffith, et ux	652 / 69	64.04
16	5B / 33	Kelly Joanne Burrows Bowie	622 / 463	33.49
17	5B / 33.1	Christa Burrows, et al	F30 / 856	3.01
18	5B / 28	Kelly Joanne Burrows Bowie	622 / 463	21.25
19	5A / 16.1	Charles D. & Samantha L. Brosius	710 / 356	49.90
20	5A / 16.2	Charles D. & Samantha L. Brosius	701 / 233	3.00
21	5A / 16	Charles D. & Samantha L. Brosius	701 / 233	2.85
22	5A / 15	Brian K. & Debra D. Lough	728 / 285	43.77
23	5A / 14	Dawna Jo Burnside	782 / 219	1.00
24	5A / 13	Dawna Jo Burnside	782 / 219	27.00

Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
25	442 / 6.2	Dawna Jo & Emir E. Mussad	1466 / 913	0.95
26	442 / 6.1	Ruth Burnside (LE)	1288 / 1168	1.79
27	442 / 6	J.C. & Karen L. Hayhurst	1592 / 1194	97.01
28	442 / 4.1	Karen L. Hayhurst & Dawna J. Mussad	W198 / 657	8.73
29	442 / 5	Brian K. & Debra D. Lough	1610 / 675	13.69
30	422 / 29	Karen L. Hayhurst & Dawna J. Mussad	W198 / 657	48.47
31	442 / 3	Brian K. & Debra D. Lough	1623 / 961	2.00
32	442 / 2	Brian K. & Debra D. Lough	1623 / 963	9.13
33	442 / 1	Central Pittsburgh Coal Corp.	943 / 764	10.00
34	422 / 28	James P. Winski	1216 / 300	38.19
35	422 / 27	Gerald & Vicky Hall	1616 / 1220	1.20
36	422 / 26	Charles G. Dennison	W156 / 747	1.00
37	422 / 24.1	Matthew C. & Shana L. Gould	1599 / 1102	9.00
38	422 / 24	Charles G. & Ruby N. Dennison	1140 / 648	0.25
39	422 / 25	Charles G. & Ruby N. Dennison	1140 / 648	1.15
40	422 / 30.1	Robert H. Richards, Jr., et al	W186 / 1340	3.53
41	422 / 30	Dewain Titus, Jr.	1173 / 1045	89.47
42	422 / 22	Dewain Titus, Jr.	1173 / 1045	43.00
43	421 / 44	Matthew C. & Shana L. Gould	1468 / 1020	51.21
44	421 / 43.1	Schuyler & Pamela J. Hughes	1336 / 276	42.40
45	422 / 12	Mary J. Short & Lou A. Baker	1323 / 663	105.44
46	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79

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.)
- Adjoinder surface tracts (approx.)

FILE NO: 236-36-12-19  
DRAWING NO: Burnside 1214 N-2H 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 6 20 22  
OPERATOR'S WELL NO. Burnside 1214 N-2H  
API WELL NO MOD  
47 - 041 - 05726  
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

Btm: Big Isaac  
Top: Camden  
QUADRANGLE: 05/13/2022  
COUNTY: LOG  
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) \_\_\_\_\_ BH-MOD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,335' TVD  
24,099' 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

WW-6A1  
(5/13)

Operator's Well No. Burnside 1214 N-2H

**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
**See Attached **				

**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 *diane white*  
 Its: Agent

RECEIVED  
Office of Oil and Gas  
APR 22 2022

WV Department of  
Environmental Protection

**HG Energy II Appalachia, LLC  
Burnside 1214 N-2H Lease Chain**

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	J. 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				
				DOMINION 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				
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				
								M. I. METHENY AND M. G. METHENY, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	226	189
				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								

4	FK065107	03-005C-0036-0000	Q100440000	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				
				ZINA L. KERSHNER AND F. H. KERSHNER, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	221	97				
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202				
3	FK064311	03-005C-0035-0000	Q100856000	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				
				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								
6	FK053161	03-005C-0032-0000 03-005C-0033-0000	Q100334000	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				
				7	FK052228	03-005B-0018-0000 03-005C-0051-0000	Q100758000 Q102422000	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
								DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736					220				
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
				JOHN L. BURNSIDE AND GRACE BURNSIDE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	185	338
				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
				W. T. RHODES AND NELLIE RHODES, HIS WIFE; DAISY V. FURR, WIDOW; OCIE M. BELL; J. R. RHODES AND BERTHA RHODES, HIS WIFE; GRACE G. LOUGH, WIDOW; WORTHY H. OLDAKER AND FREEDA F. OLDAKER, HIS WIFE; EDITH M. WESTFALL AND CHARLES E. WESTFALL, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	233	435
				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	139
				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
14	FK058271	03-006B-003B-0000	Q100681000					
19	FK065886	p/o 03-005B-0031-0000 p/o 03-005B-0032-0000	Q100562000					



23	FK058657	03-0058-0033-0000 03-0058-0033-0001	Q100392000	ARTA R. LOUDIN; BERTHA RHODES, WIDOW; THOMAS P. LOUDIN, HUSBAND OF ARTA R. LOUDIN; DAISY V. FURR, WIDOW; INA GRACE WOLFE AND RALPH C. WOLFE, HER HUSBAND; ORSO D. BELL AND ETHEL K. BELL, HIS WIFE; HAROLD E. OLDAKER AND VALENA OLDAKER, HIS WIFE; FREEDA OLDAKER, WIDOW; RUBY KLINGER; WANDA J. TRAVIS AND FRANK R. TRAVIS, HER HUSBAND; ETHEL M. WESTFALL AND CHARLES E. WESTFALL, HER HUSBAND; VELMA R. HYRE AND KEMPER D. HYRE, HER HUSBAND; GRACE G. LOUGH, WIDOW; PAULINE TAYLOR AND EDWARD B. TAYLOR, HER HUSBAND; W. T. RHODES AND NELLIE RHODES, HIS WIFE; GARY N. PERTZ, HUSBAND OF ETTA MAXINE PERTZ; JEAN FLORY AND E. BRUCE FLORY, HER HUSBAND; LUCILLE HEATER AND EBERT C. HEATER, JR., HER HUSBAND; EVELYN BUTCHER AND GILBERT L. BUTCHER, HER HUSBAND; JAMES JASON BAILEY AND MARY ANN BAILEY, HIS WIFE, BY EDITH MAXINE PERTZ, THEIR ATTORNEY IN FACT; ETTA MAXINE PERTZ, WIFE OF GARY N. PERTZ; EVA C. BEALL	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	303	284	
				CONSOLIDATED GAS SUPPLY 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	
				Fern M. (Babcock) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	563	
				Frederick See Hall	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1559	376	
				John Richard Hall	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1128	
				Sharon L. Hall	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1559	381	
				Jerry M White	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	891	
				Ann Williamson	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	895	
				Sandra S. Wilson	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	899	
				Diane Gibbs	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1559	901	
				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					
Janice Gum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1586	1135					
John E Gygax by POA Matthew Brent Gygax	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	1119					
Gretchen G. Johnson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	729					
Alice Jean Hall Fisher	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1043					
Donna L. Hall Davis	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1045					
Cathy Hall Couch aka Catherine Hall Couch	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	565					
John Richard Hall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1322					
Sharon L. Hall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1047					
L. D. (Jack) Skinner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1718	1176					
Sue Ellen Hall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1049					
Jane Ann Finster	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1718	1178					
Paula Sue Elliott	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	559					
Margene Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	312					
25	FK108082	p/o 20-0442-0004-0001 p/o 20-0442-0005-0000 p/o 20-0442-0006-0000 20-0442-0006-0001 20-0442-0006-0002 03-005A-0016-0000 p/o 03-005A-0016-0001 03-005A-0016-0002							

				Charles E. Franklin AKA Charles Edward Franklin, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	736
				Leslie Monteloh	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1334
				Lauren G. Pianto	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	68
				Gregory Hume	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	569
				Paul Sinak	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	1015
26	FK002814	03-005A-0013-0000 03-005A-0014-0000 03-005A-0015-0000 03-005B-0026-0000 03-005B-0027-0000 20-0442-0005-0000 p/o 20-442-0004-0001 p/o 20-422-0029-0000	Q100365000	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
27	FK066192 DAD36977	03-005A-0008-0000 03-005A-0009-0000 03-005A-0010-0000 03-005A-0012-0000 03-005A-0012-0001 20-0442-0001-0000 20-0442-0001-0000 20-0442-0002-0000 20-0442-0003-0000	Q143841001 Q143841002 Q098904000	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	I. ROBERT HORNOR	ASSIGNMENT (388/65 & 395/553)	1111	791
				E. DAVISSON HARDMAN	I. ROBERT HORNOR	ASSIGNMENT (1113/98)	1117	375
				I. ROBERT HORNOR	STONEWALL GAS COMPANY	ASSIGNMENT (388/65 & 395/553)	HARRISON 1118	331
				I. ROBERT HORNOR	STONEWALL GAS COMPANY	ASSIGNMENT (1113/98)	LEWIS 408	636
							HARRISON 1118	876
				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
				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		20-0422-0028-0000	HGII01894 HGII01924 HGII01942 HGII01955 HGII01994 HGII01886	Mark E. Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	753
				William Larry Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1721	800
				Dawn Renee Stone	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	738
				Thomas J. Cullen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1001
				Amy Lammers aka Amy Linn Lammers fka Amy Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	1155
				Ewing B. Swaney II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1313
				Etta Marie Wilkinson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1729	216
				Steven Cook Johnson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1729	206
				Linda Sponster	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1727	210
				Thomas J. Cullen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	973
50	UNRELEASED	20-0422-0025-0000 20-0422-0027-0000 p/o 20-0422-0028-0000		Mark E. Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	999
				William Larry Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	981
				Dawn Renee Stone	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1311
				Thomas J. Cullen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	218
				Ewing B. Swaney III	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1710	860
				Etta Marie Wilkinson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1729	214

770 44744-740000

p/o 20-0422-0022-0000  
 p/o 20-0422-0022-0000  
 20-0422-0030-0000  
 20-0422-0030-0001  
 20-0422-0030-0000

Steven Cook Johnson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1729	208
Thomas J. Cullen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	973
Amy Lemmers aka Amy Linn Lemmers fka Amy Hill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1725	1114
Bounty Minerals, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1725	1111
JAMES K COFFINDAFFER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1158
MARY J HITT	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	397
RHONDA MOYER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	433
JEANNETTE FOWLER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	867
LORA J REED	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	869
MARCIE EAKLE	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	884
ALAN W FRANK	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	935
BETTY L BENNETT	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	937
RICHARD HITT	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	956
TAMMY BRAMER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	962
BRENDA L SHULTZ	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	230
JOHN M FRANK	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	249
JANET O'HAIL	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1559	367
WALTER REED WHITEMAN	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	741
SHERRI BAILEY	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	745
WAYNE BAILEY	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	753
JAMES HARLEY COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	766
DAVID COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	794
DIANA DAVISSON	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	816
DONNA JEAN HITT	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	825
MARY JO GREATHOUSE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	840
TERRY BRADDOCK	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	844
PATSY L HYLAND AND A. VERNE HYLAND, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	856
CHARLENE RAUCHBAUCH AND JAY RAUCHBACH, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	864
ROBERTA L SAURER AND BENJAMIN R. SAURER, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	131
EVELYN McDONALD	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	134
HASKELL L BEE SR. AND JULIE A BEE, HUSBAND AND WIFE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	138
JEANETTE FOWLER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	141
AMY DAVIS	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	145
DONNA C. BARUCZA	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	150
TIMOTHY BATCHA	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	154
ROBIN LAVENDER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	158
TWILA PROVINCE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	162
THOMAS COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	171
BOBBY ADAMS	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1090
DANIEL COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1098
JAMES E. BELL	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1102
BETTY L. HERSHMAN	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1106
BETTY O. FERRY	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1110
FARIS WOODROW COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1114
DENNIS ZAUGG	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1118
ROBER C. BEE AND VICKIE A. BEE, HUSBAND AND WIFE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	794
JOHN O'HAIL	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1326
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	13
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
JAMES K COFFINDAFFER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1158
LORA J REED	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	869
MARCIE EAKLE	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	884
ALAN W FRANK	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	935

BETTY L BENNETT	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	937
RICHARD HITT	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	956
BRENDA L SHULTZ	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	230
JOHN M FRANK	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	249
JANET O'HAIL	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1559	367
WALTER REED WHITEMAN	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	741
SHERRI BAILEY	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	745
WAYNE BAILEY	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	753
JAMES HARLEY COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	766
DAVID COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	794
DIANA DAVISSON	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	816
DONNA JEAN HITT	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	825
MARY JO GREATHOUSE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	840
TERRY BRADDOCK	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	844
PATSY L HYLAND AND A. VERNE HYLAND, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	856
CHARLENE RAUCHBAUCH AND JAY RAUCHBACH, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	864
ROBERTA L SAURER AND BENJAMIN R. SAURER, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	131
EVELYN MCDONALD	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	134
HASKELL L BEE SR. AND JULIE A BEE, HISBAND AND WIFE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	138
JEANETTE FOWLER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	141
AMY DAVIS	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	145
DONNA C. BARUCZA	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	150
TIMOTHY BATCHA	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	154
ROBIN LAVENDER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	158
TWILA PROVINCE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	162
THOMAS COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	171
BOBBY ADAMS	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1090
DANIEL COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1098
JAMES E. BELL	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1102
BETTY L. HERSHMAN	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1106
BETTY O. FERRY	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1110
FARIS WOODROW COFFINDAFFER	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1114
DENNIS ZAUGG	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1118
ROBER C. BEE AND VICKIE A. BEE, HUSBAND AND WIFE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	794
JOHN O'HAIL	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1326
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	13
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692



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@hgenergyllc.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