



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
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-3H
47-041-05709-00-00

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-3H
Farm Name: JOHN K BURNSIDE ET AL
U.S. WELL NUMBER: 47-041-05709-00-00
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 57th Street
Charleston, West Virginia 25304

*ck# 030802
+5,000*

RE: Burnside 1214 N-3H Drill Permit Revision Request – (47-041-05709)
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-3H 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.

Very truly yours,

Diane C. White

Enclosures

cc: Sam Ward – WV DEP State Inspector

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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-3H 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 6709/6805' and 96' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7289'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 23,698'

11) Proposed Horizontal Leg Length: 16,484'

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)

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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Environmental Protection

WW-6B
(04/15)

API NO. 47- 041 - 05709
 OPERATOR WELL NO. Burnside 1214 N-3H
 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'	CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2056'	2056'	CTS
Intermediate 2	9 5/8"	NEW	J-55 BTC	40	4601'	4601'	CTS
Production	5 1/2"	NEW	P-110 HP	23	23698'	23698'	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	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Lead 40% excess, Tail 0% excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	20% excess yield = 1.15, tail yield 1.25
Tubing							
Liners							

*SOW
4/29/2022*

PACKERS

Kind:				
Sizes:				
Depths Set:				

WW-6B
(10/14)

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 7289'. Drill horizontal leg to estimated 16,484' lateral length, 23,698' 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, w/3 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 - Run 1 spiral centralizer every 5 joints from the top of the curve to surface. 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 - 15.9 ppg PNE-1 + 3% bwoc CaCl₂ 40% Excess Yield = 1.20, GTS
 Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂ 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, GTS
 Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂ 40% Excess, Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, GTS
 Production - Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170, Tail: 14.8 ppg POZ:PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess, Lead Yield=1.19, Tail Yield=1.94, GTS

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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 Environmental Protection

*Note: Attach additional sheets as needed.



1214 N-3H
Marcellus Shale Horizontal
Lewis County, WV

14206309.1N 1775709.49E
14206776.69N 1775661.74E
14222306.11N 1770174.23E

1214 N-3H SHL
1214 N-3H LP
1214 N-3H BHL

1159'
340.539'

Ground Elevation

Azm

WELLBORE DIAGRAM	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	
	25"	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	
			Kitching Coal	910	915						
	17.5"	13-3/8" 88# J-55 BTC	Fresh Water Protection	0	1100						
			Little Lime	1501	1517						
	12.25"	8-5/8" 40# N-80 BTC	Big Lime	1543	1504						
			Injun / Ganz (Storage)	1608 / 1881	1712 / 1941						
			Intermediate 1	0	2056						
			Fifty / Thirty Foot	1997 / 2096	2017 / 2111						
							AIR / 9.0ppg SOBIM	See above (LEFT) for Storage String Cement Blend to Meet DTL 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
Garcon S-ray / Gordon											
						AIR / 9.0ppg SOBIM	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	
											Bayard / Warren
						AIR / 9.0ppg SOBIM	Class A 14.9 ppg Yield 1.34 Fluid Loss Retarder D047 - 0.02 gal / sack Anti Foam D208 - 0.05% BWOC 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	
											Speachley
						AIR / 9.0ppg SOBIM	TVD: 4504' MD: 4806' Inc: 5 deg.				
											Balltown
											Bradford
											Benson
											Intermediate 2
											Rhinestreet
											Cashaqua
											Middlesex
											West River
											Burkett
											Tully Limestone
											P-110 HP CDC HTQ
											Hamilton
											Marcellus
											TMD / LP TVD (Production)
											Onondaga

LP @ 6800' TVD / 7214' MD
8.5" Hole - Cemented Long String
5-1/2" 23# P-110 HP CDC HTQ

+/-16494' ft Lateral

TD @ +/-7289' TVD
+/-23690 MD

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TVD Den
Environmental
05/13/2022

205' to Bottom Hole

6,568' to Top Hole

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

Bottom Hole 7.5' Spot
2,215' to Top Hole
1,359' to Bottom Hole
BTM LONGITUDE 80 - 32 - 30
TOP LONGITUDE 80 - 30 - 00

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

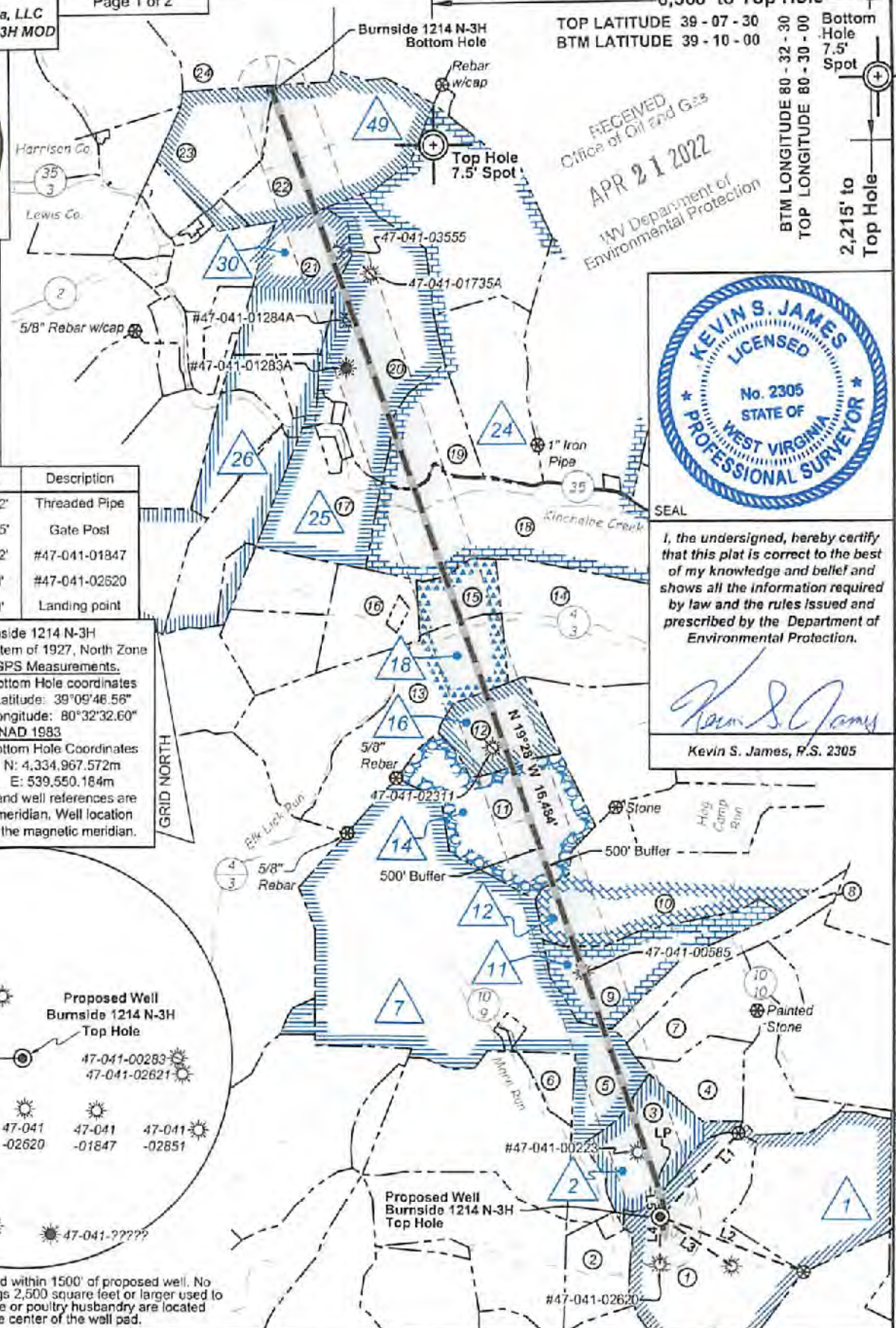
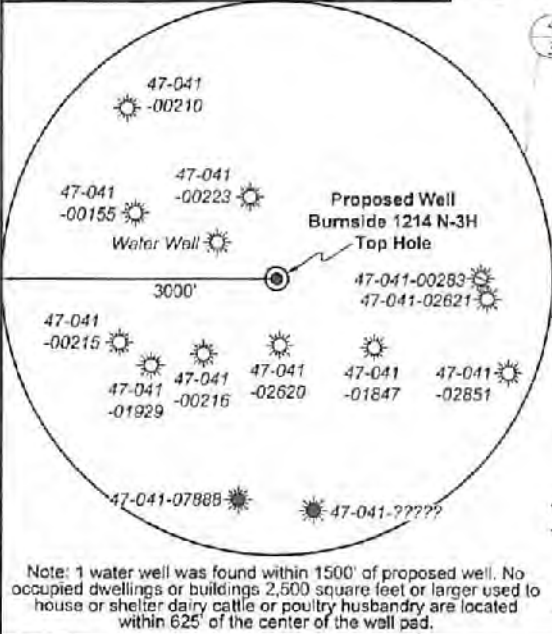
Page 1 of 2



Notes:
Well No. Burnside 1214 N-3H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,206,309.10'
E: 1,775,709.49'
Landing Point Coordinates
N: 14,206,776.69'
E: 1,775,661.74'
Bottom Hole Coordinates
N: 14,222,306.11'
E: 1,770,174.23'

Tag	Bearing	Dist.	Description
L1	S 42°57' W	1,630.2'	Threaded Pipe
L2	N 69°11' W	2,191.5'	Gate Post
L3	N 55°42' W	1,237.2'	#47-041-01847
L4	N 00°21' E	673.3'	#47-041-02620
L5	N 05°50' W	470.0'	Landing point

Notes: Well No. Burnside 1214 N-3H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'08.11" Latitude: 39°09'46.56"
Longitude: 80°31'23.37" Longitude: 80°32'32.60"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,091.673m N: 4,334,967.572m
E: 541,237.334m E: 539,550.184m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.



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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
Kevin S. James, P.S. 2305

FILE NO: 236-36-12-19
DRAWING NO: Burnside 1214 N-3H 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-3H
API WELL NO
47 - 041 - 05709
STATE COUNTY PERMIT

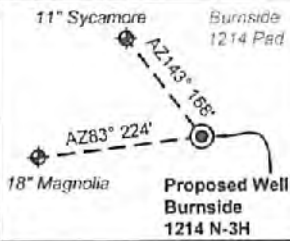
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: ACREAGE: 214.08
PROPOSED WORK: DRILL 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: 7,289' TVD 23,698' 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

05/13/2022

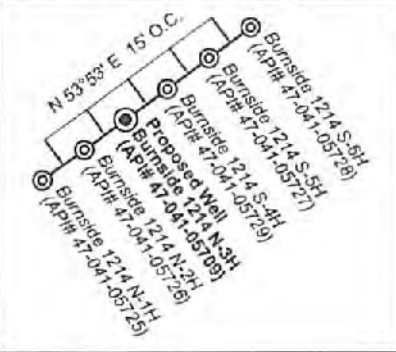


**Well Location References
Not to Scale**



ID	Lease
1	J.S. Hall, et ux
2	W.J. Grant, et ux
7	Hudson Bailey, et ux
11	Ruby L. Klinger, et al
12	Ira L. Queen, et al
14	John L. Burnside, et ux
16	W.G. Bailey
18	Ruth N. Bailey
24	Orna G. Hall, et al
25	Fern M. White, et al
26	J.A. White, et ux
30	Clarence P. McKinley, et ux
49	James K. Coffindaffer, et al

Wellhead Layout (NTS)



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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 / 34	Kanna K. Rowe	572 / 209	42.00
4	5C / 49	James C. Garrett, et al	621 / 578	28.50
5	5B / 18	Mike Ross Inc.	659 / 215	279.97
6	5C / 33	John W. & Joyce M. Hall	567 / 82	12.30
7	6B / 8	James C. Garrett, et al	621 / 578	47.00
8	6B / 6	James C. Garrett, et al	621 / 578	30.00
9	5B / 39	Edward E. Garrett, et al	429 / 245	55.00
10	6B / 5	Edward E. Garrett, et al	429 / 245	136.00
11	5B / 38	Phillip E. Burnside, et al	666 / 503	75.00
12	5B / 37	Phillip E. Burnside, et al	666 / 503	36.00
13	5B / 32	John & Rhonda Myers	652 / 73	76.64
14	5B / 35	Ruth U. Theofield Living Trust Agreement October 24, 2018	740 / 840	96.69
15	5B / 34	Mannie R. & Doris A. Griffith (LE), et al	652 / 69	20.49
16	5B / 33	Kelly Joanne Burrows Bowie	622 / 463	33.49
17	5A / 44	Charles D. & Samantha L. Brosius	710 / 356	49.90

Harrison Co. - Union-Outside Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
18	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79
19	442 / 7.1	Stephanie Stalnaker	1674 / 1254	43.24
20	442 / 6	Karen L. & J.C. Hayhurst	1592 / 1194	97.01
21	422 / 29	Karen L. Hayhurst, et al	W198 / 657	48.47
22	422 / 30	Dewain Titus, Jr.	1173 / 1045	89.47
23	422 / 22	Dewain Titus, Jr.	1173 / 1045	43.00
24	422 / 12	Mary Jo Short & Lou Ann Baker	1323 / 663	105.44

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.)

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CORS, Bridgeport, WV

STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: April 6 2022
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API WELL NO
47 - 041 - 05709
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
QUADRANGLE: Top: Camden

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: John K. Burnside, et al

ACREAGE: 115.00

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
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DESIGNATED AGENT: Diane C. White
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05/13/2022

205' to Bottom Hole

6,568' to Top Hole

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BTM LATITUDE 39 - 10 - 00

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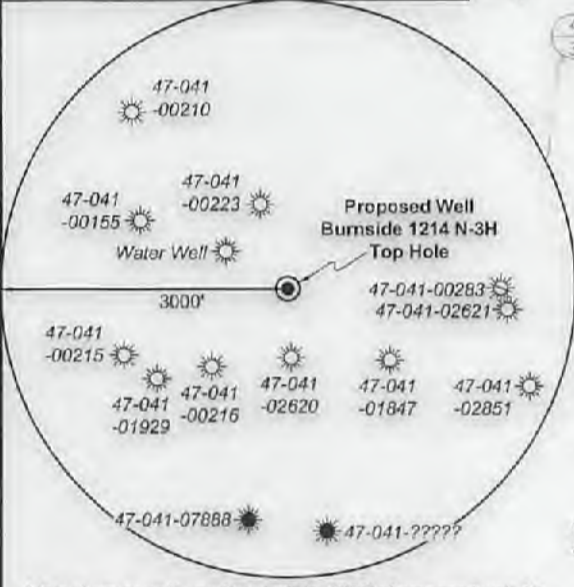
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based upon the grid north meridian. Well location
references are based upon the magnetic meridian.



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.

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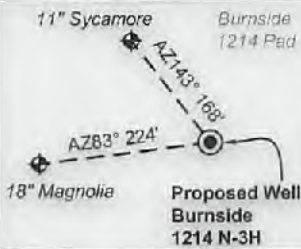
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WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



**Well Location References
Not to Scale**



ID	Lease
1	J.S. Hall, et ux
2	W.J. Grant, et ux
7	Hudson Bailey, et ux
11	Ruby L. Klinger, et al
12	Ira L. Queen, et al
14	John L. Burnside, et ux
16	W.G. Bailey
18	Ruth N. Bailey
24	Orna G. Hall, et al
25	Fern M. White, et al
26	J.A. White, et ux
30	Clarence P. McKinley, et ux
49	James K. Coffindaffer, et al

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.)

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	768 / 831	23.90
3	5C / 34	Karina K. Rowe	572 / 209	42.00
4	5C / 49	James C. Garrett, et al	621 / 578	28.50
5	5B / 18	Mike Ross Inc.	659 / 215	279.97
6	5C / 33	John W. & Joyce M. Hall	567 / 82	12.30
7	6B / 8	James C. Garrett, et al	621 / 578	47.00
8	6B / 6	James C. Garrett, et al	621 / 578	30.00
9	5B / 39	Edward E. Garrett, et al	429 / 245	55.00
10	6B / 5	Edward E. Garrett, et al	429 / 245	136.00
11	5B / 38	Phillip E. Burnside, et al	666 / 503	75.00
12	5B / 37	Phillip E. Burnside, et al	666 / 503	36.00
13	5B / 32	John & Rhonda Myers	652 / 73	76.64
14	5B / 35	Ruth U. Theofield Living Trust Agreement October 24, 2018	740 / 840	96.69
15	5B / 34	Mannie R. & Doris A. Griffith (LE), et al	652 / 69	20.49
16	5B / 33	Kelly Joanne Burrows Bowie	622 / 463	33.49
17	5A / 44	Charles D. & Samantha L. Brosius	710 / 356	49.90
Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
18	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79
19	442 / 7.1	Stephanie Stalnaker	1674 / 1254	43.24
20	442 / 6	Karen L. & J.C. Hayhurst	1592 / 1194	97.01
21	422 / 29	Karen L. Hayhurst, et al	W196 / 657	48.47
22	422 / 30	Dewain Titus, Jr.	1173 / 1045	89.47
23	422 / 22	Dewain Titus, Jr.	1173 / 1045	43.00
24	422 / 12	Mary Jo Short & Lou Ann Baker	1323 / 863	105.44

FILE NO: 236-36-12-19
DRAWING NO: Burnside 1214 N-3H 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-3H
API WELL NO. MOD
47 - 041 - 05709
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

Btm: Big Isaac
Top: Camden
QUADRANGLE: 05/13/2022
COUNTY: LEWIS
ACREAGE: 115.00

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 _____ 7,289' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,698' 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

**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 *

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**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

4704105709

HG Energy II Appalachia, LLC
Burnside 1214 N-3H

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
				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				
2	FK061776	03-005C-0034-0000	Q100936000	W. J. GRANT AND ADDIE J. GRANT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	209	438
				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
7	FK052228	03-005B-0018-0000 03-005C-0051-0000	Q100758000 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

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				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
11	FK062880 FK062963	03-005B-0039-0000	Q100289000 Q100695000	RUBY L. KLINGER (ALSO KNOWN AS RUBY KALLAS) AND ROBERT E. KLINGER, HER HUSBAND; HELEN L. LANG AND JUNIOR A. LANG, HER HUSBAND; JOSEPHINE TRAVIS AND RAYMOND TRAVIS, HER HUSBAND; AND, HAROLD E. OLDAKER, SINGLE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	216	238
				CHARLES M. GARRETT AND DELPHIA GARRETT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	216	329
				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
12	FK053127	p/o 03-006B-0005-0000 p/o 03-006B-0039-0000	Q100382000	IRA L. QUEEN AND EFFIE QUEEN	FRED RICH	NOT LESS THAN 1/8	40	110
				T.N. BARNSDALL, SOUTHERN OIL COMPANY, FRED S. RICH, AND W.S. MOWRIS	RESERVE GAS COMPANY	ASSIGNMENT	85	106
				HOPE NATURAL GAS COMPANY AND RESERVE GAS COMPANY	CRUDE OIL COMPANY	ASSIGNMENT	55	456
				CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY AND RESERVE GAS COMPANY	ASSIGNMENT	55	315
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	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
				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

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14	FK058271	03-006B-0038-0000	Q100681000	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
16	FK053095	03-005B-0037-0000	Q100766000	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. G. BAILEY	J. W. TRACY	NOT LESS THAN 1/8	39	116
				J. W. TRACY	FRED S. RICH	ASSIGNMENT	44	532
				FRED S. RICH AND M. B. RICH, HIS WIFE; GEORGE H. CORNWALL AND MARY D. CORNWALL, HIS WIFE; J. M. REED AND ELLA REED, HIS WIFE; AND W. I. GOBLE AND L. M. GOBLE, HIS WIFE	CRUDE OIL COMPANY	ASSIGNMENT	52	176
				CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY AND RESERVE GAS COMPANY	ASSIGNMENT	55	456
				CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY AND RESERVE GAS COMPANY	ASSIGNMENT	55	315
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	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	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				
18	FK058323	03-005B-0034-0000 p/o03-005B-0032-0000	Q100931000 Q09876000	RUTH N. BAILEY, SINGLE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	302	433
				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				
		20-0442-0007-0000 20-0442-0007-0001		OMA G. HALL, SINGLE; MARIE P. HALL, WIDOW; EVELYN H. TAYLOR, WIDOW; BERTHA H. MILLER AND A.D. MILLER, HER HUSBAND; CHARLES R. HALL, SINGLE; HELEN M. HALL, SINGLE; PAMELA H. SHANKLIN AND WM. M. SHANKLIN, JR., HER HUSBAND; GERTRUDE BEALL AND BLAIR B. BEALL, HER HUSBAND; HELEN MCCOY, SINGLE; AND, ADA B. HALL, WIDOW	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1032	683
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG DEVELOPMENT COMPANY	ASSIGNMENT	1143	921
				CNG DEVELOPMENT COMPANY	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1169	820

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24	FK097991	20-0442-0007-0002 20-0442-0008-0000 20-0442-0008-0001 20-0442-0008-0003 20-0422-0032-0000	Q100844000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
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		Janice Gum	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1568	1135
				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
				Fern M. (Babcock) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1723	563
				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 fka 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
				Charles E. Franklin AKA Charles Edward Franklin, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1720	736
				Leslie Monteith	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1719	1334
				Lauren G. Plante	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
				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				

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				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
				CLARENCE P. MCKINLEY AND EUNICE H. MCKINLEY, HIS WIFE	CNG DEVELOPMENT COMPANY	NOT LESS THAN 1/8	1161	990
				CNG DEVELOPMENT COMPANY	CNG PRODUCING COMPANY	MERGER/NAME CHANGE	1223	361
				CNG PRODUCING COMPANY	DOMINION EXPLORATION & PRODUCTION INC	MERGER/NAME CHANGE	58	366
				DOMINION EXPLORATION & PRODUCTION INC, DOMINION TRANSMISSION INC., AND DOMINION APPALACHIAN DEVELOPMENT LLC	ANTERO RESOURCES APPALACHIAN CORPORATION	PARTIAL ASSIGNMENT (FROM TOP OF RHINESTREET FORMATION TO 500' BELOW THE TOP OF HELDERBURG FORMATION)	1423	1068
				DOMINION EXPLORATION & PRODUCTION INC.	DOMINION TRANSMISSION INC.	ASSIGNMENT	1457	978
				DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS LLC XVI, LLC	ASSIGNMENT	1458	299
				CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	59	1019
				DOMINION EXPLORATION & PRODUCTION INC	CONSOL GAS COMPANY	MERGER/NAME CHANGE	36	913
				CONSOL GAS COMPANY	CNX GAS COMPANY	MERGER/NAME CHANGE	1472	294
				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
				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, HISBAND AND WIFE	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1567	138
				JEANNETTE 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

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 20-0422-0030-0001
 20-0422-0030-0000

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
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PATSY L HYLAND AND A. VERNE HYLAND, WIFE AND HUSBAND	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	1566	856
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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
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CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692

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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

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