



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 S-6H
47-041-05728-00-00

Lateral Direction Revision

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 handwritten signature in blue ink, appearing to read 'J. A. Martin', is written over a blue circular stamp. Below the signature, the name 'James A. Martin' and the title 'Chief' are printed in black text.

James A. Martin
Chief

Operator's Well Number: BURNSIDE 1214 S-6H
Farm Name: JOHN K BURNSIDE ET AL
U.S. WELL NUMBER: 47-041-05728-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/9/2022

Promoting a healthy environment.

05/13/2022



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

April 14, 2022

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

Ch#
030805
55000⁰⁰
4/13/22

RE: Burnside 1214 S-6H Drill Permit Revision Request – (47-041-05728)
Freeman's Creek District, Lewis County
West Virginia

Dear Mr. Blevins -

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

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

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Sam Ward – WV DEP State Inspector

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Office of Oil and Gas

MAY 03 2022

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

4704105728

WW-6B
(04/15)

API NO. 47- _____
OPERATOR WELL NO. Burnside 1214 S-6H
Well Pad Name: Burnside 1214

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 S-6H 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'/6785' and 76' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 6181'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 26,494' ✓

11) Proposed Horizontal Leg Length: 19,066' ✓

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

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MAY 03 2017

WV Department of
Environmental Protection

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

4704105728

WW-6B
(04/15)

API NO. 47-
OPERATOR WELL NO. Burnside 1214 S-6H
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	26494'	26494'	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 = 1.28 CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Local 40% excess, Tol 95 excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Local 40% excess, Tol 95 excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	40% excess yield = 1.15, tol 95% 1.50
Tubing							
Liners							

SOW
4/29/2022

PACKERS

Kind:				
Sizes:				
Depths Set:				

WW-6B
(10/14)

API NO. 47- _____
OPERATOR WELL NO. Burnside 1214 S-6H
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 6181'. Drill horizontal leg to estimated 19,066' lateral length, 26,494' 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 - 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 - 15.8 ppg PNE-1 + 3% bwoc CaCl₂, 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess / Tail: 15.8 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess, Tail: 15.8 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, CTS
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 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=1.54, CTS

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.

*Note: Attach additional sheets as needed.

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

15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)
 B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB
 Dispersant / D005 1.5 lb per BBL CemNET* - 60% Excess
 15.9 ppg Tail - Yield 1.17 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)
 B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOK* / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam /
 D001 - 0.03 gal / sack Retarder - 0% Excess

1214 S-6H
 Marcellus Shale Horizontal
 Lewis County, WV



		1214 S-6H SHL			14206335.62N 1775745.84E					
Ground Elevation		1159'			1214 S-6H LP			14205928.27N 1775962.06E		
Azim		160.45°			1214 S-6H BHL			14187969.36N 1782308.06E		

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
	26"	20" 94# J-55	Fresh Water	0	200, 550, 800	AIR	15.6 ppg Class A Neat 94#/sk 40% Excess Yield=1.18 / CTS	Centralized every 3 joints to surface	Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.	Surface casing = 0.438" wall thickness Burst=2110 psi
			Kittanning Coal	910	915					
			Fresh Water Protection	0	1100					
	17.5"	13-3/8" 68# J-55 BTC	Little Lime	1501	1517	AIR / KOL Salt Polymer	See above (LEFT) for Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation	Bow Spring on every joint <i>"will also be running ACP for Isolating storage zone"</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi
			Big Lime	1543	1604					
			Injun / Gantz (Storage)	1808 / 1881	1712 / 1941					
			Intermediate 1	0	2056					
	12.25"	8-5/8" 40# N-80 BTC	Fifty / Thirty Foot	1997 / 2096	2017 / 2111	AIR / 9.0ppg SOBM	15.6 ppg Class A 94#/sk 1% Calcium BWOC - 40% Excess Yield=1.2 / CTS	Bow Spring on first 2 joints then every third joint to 100' 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
			Gordon Stray / Gordon	2126 / 2161	2163 / 2241					
			5th Sand	2381	2426					
			Bayard / Warren	2461 / 2755	2491 / 2791	AIR / 9.0ppg SOBM				
			Speachley	3092	3107					
			Balltown	3205	3265					
			Bradford	3868						
Benson	4388	4401	Intermediate 2	0	TVD: 4691' MD: 4636' Inc: 15 deg.					
3.5" Curve	5-1/2" 23# P-110 HP CDC HTQ	Rhinestreet	6009	6279	11.5ppg-12.5ppg SOBM	Class A 14.8 ppg Yield 1.34 D255 - 0.4% BWOB Fluid Loss D198 - 0.55% BWOB Retarder D047 - 0.02 gal / sack Anti Foam D208 - 0.05% BWOB Viscosifier 10% Excess	Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note: Actual centralizer schedules may be changed due to hole conditions	
		Cashaqua	6279	6379						
		Middlesex	6379	6411						
		West River	6411	6462						
		Burkett	6482	6492						
		Tully Limestone	6492	6500						
		Hamilton	6600	6709						
3.5" Lateral		Marcellus	6709	6785	11.5ppg-12.5ppg SOBM					
		TMD / LP TVD (Production)	26494	6760						
			Onondaga	6785						

LP @ 6780' TVD / 7428' MD

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

+/-19066' ft Lateral

TD @ +/-6181' TVD
 +/-26494' MD

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 WV Department of Environmental Protection
 production casing = 0.415" wall thickness
 Burst=16240 psi
 Note: Actual centralizer schedules may be changed due to hole conditions

X=centralizers

71' to Bottom Hole

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

6,532' to Top Hole

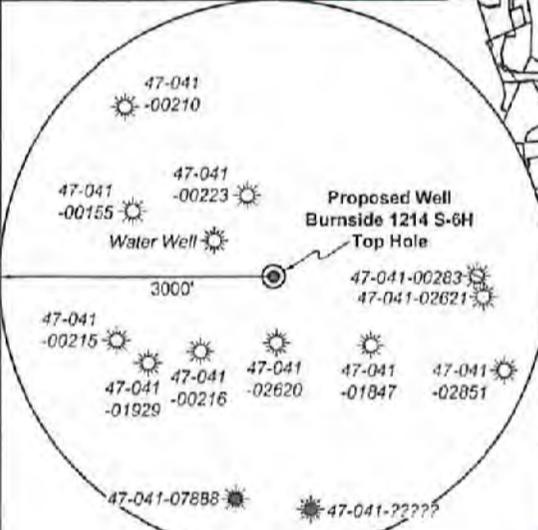
TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 05 - 00

Notes:
Well No. Burnside 1214 S-6H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,206,335.62'
E: 1,775,745.84'
Landing Point Coordinates
N: 14,205,928.27'
E: 1,775,962.06'
Bottom Hole Coordinates
N: 14,187,969.36'
E: 1,782,308.06'



Tag	Bearing	Dist.	Description
L1	S 42°06' W	1,835.1'	Threaded Pipe
L2	N 69°33' W	2,170.6'	Gate Post
L3	N 56°05' W	1,213.7'	#47-041-01847
L4	N 01°39' E	653.4'	#47-041-02620
L5	S 27°58' E	461.2'	Landing point

Notes: Well No. Burnside 1214 S-6H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'08.37" Latitude: 39°04'06.42"
Longitude: 80°31'22.81" Longitude: 80°30'00.90"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,069.801m N: 4,324,501.754m
E: 541,248.420m E: 543,248.587m
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.

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



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WV Department of Environmental Protection

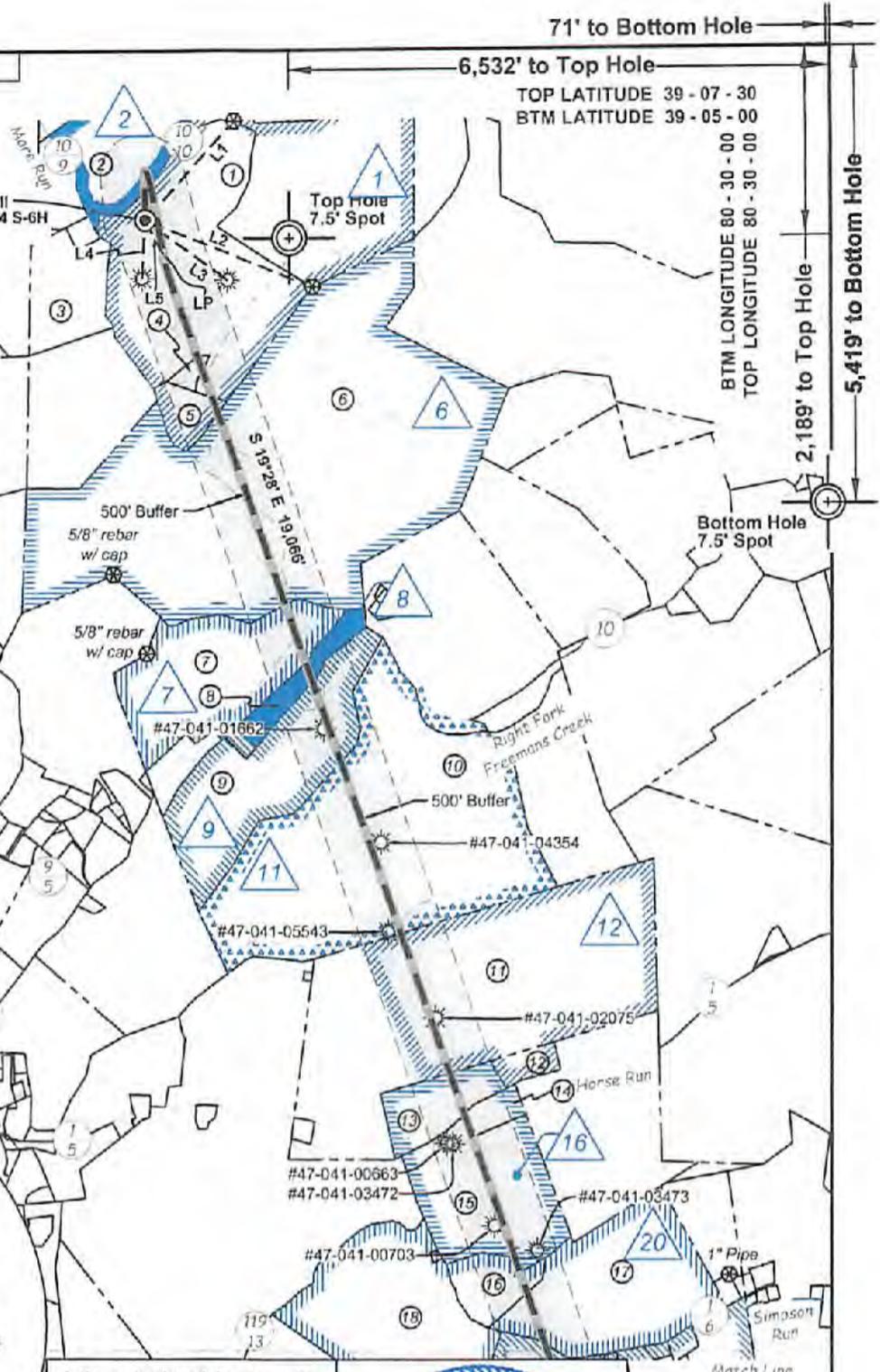
FILE NO: 236-36-12-19
DRAWING NO: Burnside 1214 S-6H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: April 11 2022
OPERATOR'S WELL NO. Burnside 1214 S-6H
API WELL NO MOD
47 - 041 - 05728
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: ACREAGE: 214.08
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Curve, TVD, MD - MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,494' MD
6,181' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5280 Dupont Road ADDRESS: 5280 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



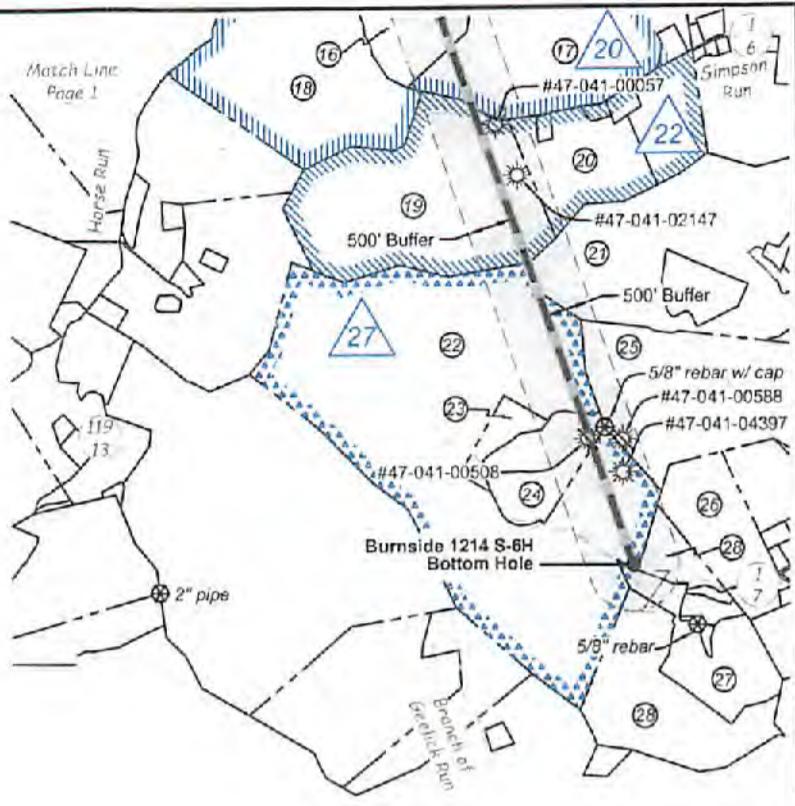
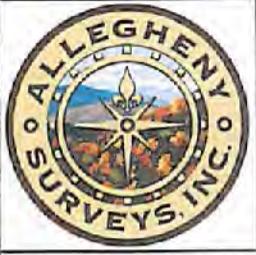
BTM LONGITUDE 80 - 30 - 00
TOP LONGITUDE 80 - 30 - 00

2,189' to Top Hole

5,419' to Bottom Hole

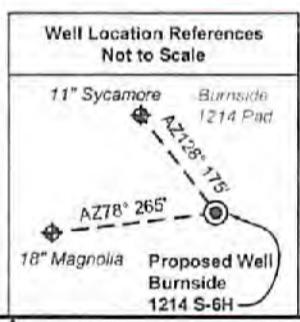
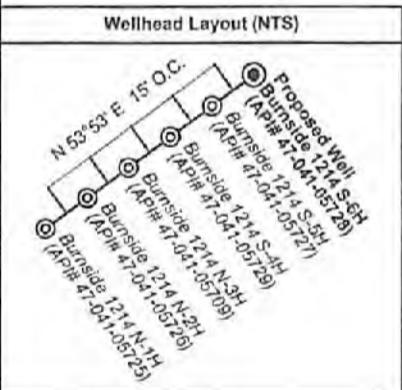
MAY 03 2022

05/13/2022



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

Legend	
	Proposed gas well
	Well Reference, as noted
	Monument, as noted
	Existing Well, as noted
	Existing Plugged Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Existing Road
	Surface boundary (approx.)
	Adjoiner surface tracts (approx.)



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WV Department of
Environmental Protection

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 / 34	Karina K. Rowe	572 / 209	42.00
3	5C / 41	Phillip E. Burnside	766 / 831	23.90
4	6C / 3.1	Eric E. & Bertha F. Benedum	438 / 600	2.30
5	5C / 42	Cynthia D. Sumpter	666 / 507	9.58
6	6C / 4	James M. Evans III, et al	657 / 228	294.00
7	6C / 6	Equitable Gas	216 / 185	65.55
8	6C / 7	Matthew S. & Tricia A. Jorden	627 / 197	12.00
9	6D / 2	Robert L. & Lindsey R. Rittenhouse	691 / 794	74.75
10	6D / 3	James H. Hall Trust	WB H / 147	194.50
11	6D / 5	David B. & Wendall S. Hall	W29 / 176	196.50
12	6D / 5.2	Wendall S. Hall	614 / 258	6.25
13	6D / 9	Daniel E. & Alice J. Fisher	658 / 108	25.00
14	6D / 9.1	James S. & Tamara B. Wilson	370 / 303	5.96
15	6D / 8	James S. & Tamara B. Wilson	370 / 303	57.25
16	6D / 17.1	Brian K. & Sherri Skidmore	713 / 846	14.00
17	6D / 17	Raymond M. Peters	610 / 706	74.75
18	6D / 12	Bradford & Michelle Taylor	762 / 891	77.00
19	6E / 12	James E. Gray, et al	735 / 51	90.50
20	6E / 6.1	Bernice M. Linger, et al	417 / 306	30.81
21	6E / 13	Charles F. Sumpter	600 / 507	123.45
22	6E / 11.1	Heartwood Forestland Fund VII	666 / 124	235.87
23	6E / 11	Heartwood Forestland Fund VII	666 / 124	6.21
24	6E / 11.2	Jonathan R. & Tracie M. Dodson	632 / 203	21.92
25	6E / 14	Linda Wright	F31 / 130	89.12
26	6E / 16.3	Ernest & Willadean Bennett	381 / 471	24.00
27	6E / 17.4	William H. & Jaime L. Wyckoff	722 / 635	26.54
28	6E / 17	Heartwood Forestland Fund VII	666 / 124	56.07

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

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

DATE: April 11 2022
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API WELL NO. MOD
47 - 041 - 05728
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Camden
DISTRICT: Freemans Creek COUNTY: Lewis
SURFACE OWNER: John K. Burnside, et al ACREAGE: 115.05/13/2022
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: ACREAGE: 214.08

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Curve, TVD, MD - MOD 6,161' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,494' 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

71' to Bottom Hole

6,532' to Top Hole

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

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

5,419' to Bottom Hole

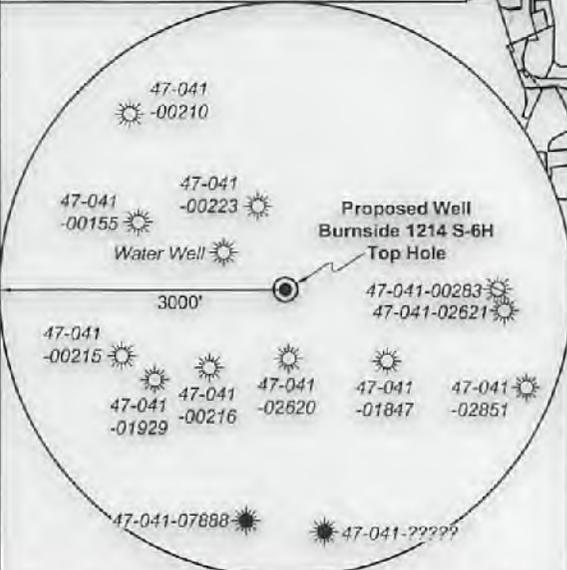
HG Energy II Appalachia, LLC
Well No. Burnside 1214 S-6H MOD

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Top Hole Coordinates Bottom Hole Coordinates
N: 4,330,099.801m N: 4,324,501.754m
E: 541,248.420m E: 543,248.587m
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.

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



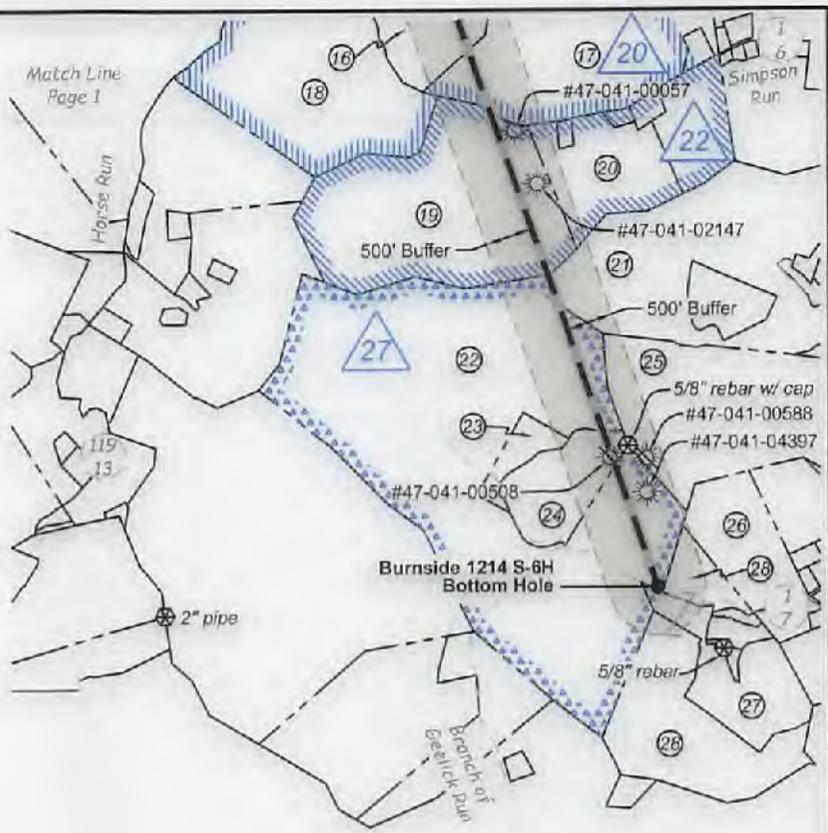
FILE NO: 236-36-12-19
DRAWING NO: Burnside 1214 S-6H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: April 11 2022
OPERATOR'S WELL NO. Burnside 1214 S-6H
API WELL NO MOD
47 - 041 - 05728
STATE COUNTY PERMIT

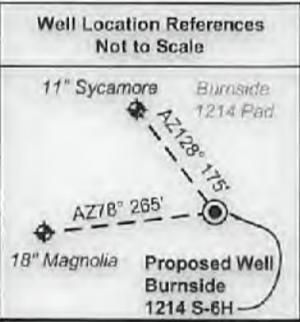
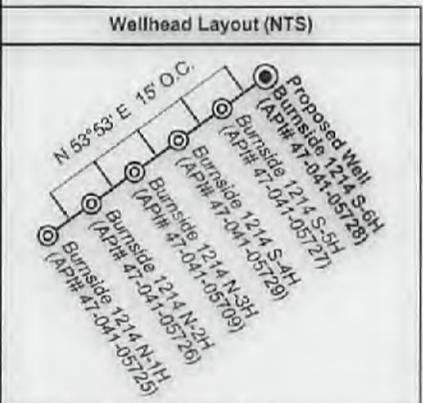
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: ACREAGE: 214.08
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Curve, TVD, MD - MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,494' MD 6.181' TVD

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



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

Legend	
	Proposed gas well
	Well Reference, as noted
	Monument, as noted
	Existing Well, as noted
	Existing Plugged Well, as noted
	Digitized Well, as noted
	Creek or Drain
	Existing Road
	Surface boundary (approx.)
	Adjoiner surface tracts (approx.)



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 / 34	Karina K. Rowe	572 / 209	42.00
3	5C / 41	Phillip E. Burnside	766 / 831	23.90
4	6C / 3.1	Eric E. & Bertha F. Benadum	438 / 600	2.30
5	5C / 42	Cynthia D. Sumpter	666 / 507	9.58
6	6C / 4	James M. Evans III, et al	657 / 228	294.00
7	6C / 6	Equitable Gas	216 / 185	65.55
8	6C / 7	Matthew S. & Tricia A. Jerden	627 / 197	12.00
9	6D / 2	Robert L. & Lindsey R. Rittenhouse	891 / 794	74.75
10	6D / 3	James H. Hall Trust	WB H / 147	194.50
11	6D / 5	David B. & Wendall S. Hall	W29 / 176	196.60
12	6D / 5.2	Wendall S. Hall	814 / 258	6.25
13	6D / 9	Daniel E. & Alice J. Fisher	658 / 108	25.00
14	6D / 9.1	James S. & Tamara B. Wilson	370 / 303	5.96
15	6D / 8	James S. & Tamara B. Wilson	370 / 303	57.25
16	6D / 17.1	Brian K. & Sherri Skidmore	713 / 848	14.00
17	6D / 17	Raymond M. Peters	810 / 706	74.75
18	6D / 12	Bradford & Michelle Taylor	762 / 891	77.00
19	6E / 12	James E. Gray, et al	735 / 51	90.50
20	6E / 61	Bernice M. Linger, et al	417 / 306	30.81
21	6E / 13	Charles F. Sumpter	600 / 507	123.45
22	6E / 11.1	Heartwood Forestland Fund VII	666 / 124	235.87
23	6E / 11	Heartwood Forestland Fund VII	666 / 124	6.21
24	6E / 11.2	Jonathan R. & Tracie M. Dodson	632 / 203	21.92
25	6E / 14	Linda Wright	F31 / 130	89.12
26	6E / 16.3	Ernest & Willadean Bennett	381 / 471	24.00
27	6E / 17.4	William H. & Jaime L. Wyckoff	722 / 635	26.54
28	6E / 17	Heartwood Forestland Fund VII	666 / 124	56.07

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

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

DATE: April 11 2022
OPERATOR'S WELL NO. Burnside 1214 S-6H
API WELL NO. **MOD**
47 - 041 - 05728
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1159.2' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: John K. Burnside, et al
ROYALTY OWNER: J.S. Hall, et ux, et al LEASE NO: _____ ACREAGE: 214.08
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,494' MD

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

WW-6A1
(5/13)

Operator's Well No. Burnside 1214 S-6H

**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

Page 1 of 5

HG Energy II Appalachia, LLC - 1214 S-6H Lease Chain

1214S 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	WVS05	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVS05	
				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	3
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVS05	
				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	FK052229	03-005C-0013-0000 03-006C-0001-0000	Q100750000	MARY C. BURNSIDE AND JOHN L. BURNSIDE, HER HUSBAND	A. W. WOODFORD AND GED. E. MCGUIRE	NOT LESS THAN 1/8	33	431
				A. W. WOODFORD	J. M. GUFFEY AND J. H. GALEY	ASSIGNMENT	33	515
				J. M. GUFFEY AND J. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	583
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	DEED	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	WVS05	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVS05	
				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	3
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVS05	
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 (58%)	736	220				
				A. BROWN AND MARY E. BROWN, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	35
				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	MERGER/NAME CHANGE	WVS05	
				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	WVS05	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVS05	

7	FK053145	03-006C-0006-0000	Q100479000	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
				DALE E COPENS ET UX	JAMES F. SCOTT	NOT LESS THAN 1/8	369	104
JAMES F SCOTT	GEORGE R. GIBSON	ASSIGNMENT	378	160				
GEORGE R. GIBSON ET UX	RANDALL GIBSON	ASSIGNMENT (50%)	489	623				
GEORGE R. GIBSON ET UX	RANDALL GIBSON	ASSIGNMENT (50%)	489	625				
JAMES F SCOTT, GEORGE R. GIBSON, RANDALL GIBSON, AND RICHARD GIBSON	CABOT OIL AND GAS CORP	ASSIGNMENT	513	82				
CABOT OIL AND GAS CORP	NATURAL GAS INVESTMENTS, LLC	ASSIGNMENT	529	702				
NATURAL GAS INVESTMENTS, LLC	CABOT OIL AND GAS CORP	ASSIGNMENT	557	652				
CABOT OIL AND GAS CORP	ENERVEST APPALACHIA, LP	ASSIGNMENT	558	249				
ENERVEST APPALACHIA, LP	CGAS PROPERTIES LP	ASSIGNMENT	621	590				
ENERVEST APPALACHIA, LP & CGAS PROPERTIES LP	WINTER MOON ENERGY COMPANY LLC	ASSIGNMENT	648	548				
WINTER MOON ENERGY COMPANY LLC & CHESAPEAKE APPALACHIA, LLC	SWN PRODUCTION COMPANY, LLC	ASSIGNMENT	684	333				
SWN PRODUCTION COMPANY, LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	769	529				
N. A. LOVETT AND S. E. A. LOVETT, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	110				
SOUTH PENN OIL COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	230				
RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202				
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127				
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57				
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170				
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT (32%)	723	527				
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. J. HALL AND M. J. HALL, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	92				
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	MERGER/NAME CHANGE	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.	DOMINION EXPLORATION & PRODUCTION INC.	ASSIGNMENT	641	533				
DOMINION EXPLORATION & PRODUCTION INC	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651	137				

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11	FK053168	03-0050-0003-0000	Q101141000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	654	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	727	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	230
				FRANKLIN MCKINLEY AND G. R. MCKINLEY, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	39	371
				12	53140	p/o 03-006D-0005-0000 03-006D-0005-0002		SOUTH PENN OIL COMPANY
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 DEVELOPMENT COMPANY	ASSIGNMENT	450					154
CNG DEVELOPMENT COMPANY	CNG PRODUCING COMPANY	MERGER/NAME CHANGE	WVSOS					
CNG PRODUCING COMPANY	DOMINION EXPLORATION & PRODUCTION INC.	MERGER/NAME CHANGE	WVSOS					
DOMINION EXPLORATION & PRODUCTION INC	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651					137
DOMINION APPALACHIAN DEVELOPMENT LLC	DOMINION TRANSMISSION	ASSIGNMENT	651					225
DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT	651					318
CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS					
CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	766					352
16	TBD	03-0050-0008-0000 03-0050-0009-0000 03-0050-0009-0001		S. A. HALL AND GEORGIA E. HALL, HIS WIFE	DELBERT GOFF	NOT LESS THAN 1/8	258	13
				GEORGE M. COOPER, SPECIAL COMMISSIONER (DELBERT GOFF)	ROY T. GUTHRIE	DEED	305	581
				JOHN R. HALLER, ANCILLARY ADMINISTRATOR OF THE ESTATE OF DELBERT GOFF	ROY T. GUTHRIE	DEED	346	61
				ROY T. GUTHRIE, DECEASED	HAL W. GUTHRIE	WILL BOOK	KANAWHA 329	81
				JAMES T. WILSON, SINGLE; W. H. WILSON JR., SINGLE; HAL W. GUTHRIE AND ANAMARIE GUTHRIE, HIS WIFE	JOE MCLAUGHLIN AND MILDRED G. TAYLOR, DBA M & J JOINT VENTURE	DEED AND ASSIGNMENT	397	242
				GILES E. MUSICK AND JOANN MUSICK, HIS WIFE	JOE MCLAUGHLIN AND MILDRED G. TAYLOR, DBA M & J JOINT VENTURE	ASSIGNMENT	399	507
				JOSEPH MCLAUGHLIN	MILDRED G. TAYLOR	WILL BOOK	18	106
				MILDRED G. TAYLOR	KEY OIL COMPANY	ASSIGNMENT	524	380
				KEY OIL COMPANY	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	764	745
				J. W. KEMPER SR. AND H. S. KEMPER, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	268
				20	TBD	03-006D-0011-0000 03-006D-0012-0000 03-006D-0017-0000 03-006D-0017-0001		RESERVE GAS COMPANY
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.	DOMINION EXPLORATION & PRODUCTION INC.	CONFIRMATORY ASSIGNMENT	620					135
DOMINION EXPLORATION & PRODUCTION INC	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651					137
DOMINION APPALACHIAN DEVELOPMENT LLC	DOMINION TRANSMISSION, INC.	ASSIGNMENT OF HYDROCARBON LEASES	651					225
DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT	651					318
CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	9					471
CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9					471
CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	766	352				
				JAMES B. LOVETT AND B. E. LOVETT, HIS WIFE	EASTERN OIL COMPANY	NOT LESS THAN 1/8	40	157
				EASTERN OIL COMPANY	BUCKHANNON GAS COMPANY	ASSIGNMENT	40	578
				BUCKHANNON GAS COMPANY	SOUTHERN OIL COMPANY	ASSIGNMENT	85	98

22	FK053106	03-006D-0014-0000 03-006D-0015-0000 03-006E-0012-0000 03-006E-0060-0000 03-006E-0061-0000 03-005E-0062-0000	DV004937	SOUTHERN OIL COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	85	108				
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	MERGER/NAME CHANGE	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	UMC PETROLEUM CORPORATION	ASSIGNMENT	505	20				
				UMC PETROLEUM CORPORATION	ASHLAND EXPLORATION INC	ASSIGNMENT	525	557				
				ASHLAND EXPLORATION INC	ASHLAND EXPLORATION HOLDINGS INC	MERGER/NAME CHANGE	WVSOS					
				ASHLAND EXPLORATION HOLDINGS INC	BLAZER ENERGY CORP.	ASSIGNMENT	546	207				
				BLAZER ENERGY CORP.	EASTERN STATES OIL & GAS INC	MERGER/NAME CHANGE	WVSOS					
				EASTERN STATES OIL & GAS INC	EQUITABLE PRODUCTION - EASTER STATES INC	MERGER/NAME CHANGE	WVSOS					
				EQUITABLE PRODUCTION - EASTERN STATES INC	EQT PRODUCTION COMPANY	MERGER/NAME CHANGE	WVSOS					
				EQT PRODUCTION COMPANY	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	770	560				
				27	53107	03-006E-0004-0000	CNX053107 AGREEMENT 131324000	LOT HALL AND BIRD HALL, HIS WIFE	EASTERN OIL COMPANY	NOT LESS THAN 1/8	40	151
								EASTERN OIL COMPANY	BUCKHANNON GAS COMPANY	ASSIGNMENT	40	578
								BUCKHANNON GAS COMPANY	J.S. GLENN	ASSIGNMENT	85	98
								J.S. GLENN	SOUTHERN OIL COMPANY	ASSIGNMENT	85	98
								SOUTHERN OIL COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	85	108
								RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	158	575
								HOPE NATURAL GAS COMPANY	LURAY LAND INC.	ASSIGNMENT	260	232
								LURAY LAND INC.	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	294	434
								CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG DEVELOPMENT COMPANY	MERGER/NAME CHANGE	WVSOS									
CNG DEVELOPMENT COMPANY	CNG PRODUCING COMPANY	MERGER/NAME CHANGE	WVSOS									
CNG PRODUCING COMPANY	DOMINION EXPLORATION & PRODUCTION INC.	MERGER/NAME CHANGE	58					366				
DOMINION EXPLORATION & PRODUCTION INC	DOMINION TRANSMISSION INC	ASSIGNMENT	651					137				
DOMINION APPALACHIAN DEVELOPMENT LLC	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651					225				
DOMINION TRANSMISSION INC	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT	651					318				
CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	WVSOS									
CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9					471				
CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS									
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717					1				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					170				
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				



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

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