



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
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Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, August 21, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for VANECK 1215 N-4H
47-041-05735-00-00

Lateral Extension

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: Vaneck 1215 N-4H
Farm Name: HG ENERGY II APPALACHIA, LLC
U.S. WELL NUMBER: 47-041-05735-00-00
Horizontal 6A New Drill
Date Modification Issued: 08/21/2023

Promoting a healthy environment.

08/25/2023

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

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

2) Operator's Well Number: Vaneck 1215 N-4H Well Pad Name: Vaneck 1215

3) Farm Name/Surface Owner: HG Energy II Appalachia, LLC Public Road Access: Mare Run Rd at CR 10 / 9

4) Elevation, current ground: 1259' Elevation, proposed post-construction: 1254.8'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 7015'/7088' and 73' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7,075'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 29,167'

11) Proposed Horizontal Leg Length: 21,455'

12) Approximate Fresh Water Strata Depths: 60', 214', 600', 861'

13) Method to Determine Fresh Water Depths: Nearest offset well data, (47-041-02173, 0693, 0236, 2308, 0578)

14) Approximate Saltwater Depths: 1605'

15) Approximate Coal Seam Depths: 272', 700', 1040', 1150' (Surface casing is being extended to cover the coal in the DTI Field)

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

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

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

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WW-6B
(04/15)

API NO. 47- 041 - 05735
 OPERATOR WELL NO. Vaneck 1215 N-4H
 Well Pad Name: Vaneck 1215

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' ✓	CTS
Fresh Water/Coal	20"	NEW	J-55	94	1200'	1200' ✓	40% Excess, CTS ✓
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2250'	2250' ✓	40% Excess, CTS
Intermediate 2	9 5/8"	NEW	N-80 BTC	40	5745'	5745' ✓	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	29167'	29167' ✓	20% Excess Tail, CTS
Tubing							
Liners							

Kenneth Greynolds Digitally signed by Kenneth Greynolds
 DN: CN = Kenneth Greynolds, email = Kenneth.L.Greynolds@wv.gov, C = AD O = WVDEP CU = Oil and Gas
 Date: 2023.08.03 08:12:50 -0400

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A ✓	40 % excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750		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 = 1.19, tail yield 1.04
Tubing							
Liners							

PACKERS

Kind:					RECEIVED Office of Oil and Gas AUG 11 2023 WV Department of Environmental Protection
Sizes:					
Depths Set:					

08/25/2023

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 7075'. Drill horizontal leg to estimated 21,455' lateral length, 29,167' 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): 22.55 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.70 acres

23) Describe centralizer placement for each casing string:

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

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

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig.
Fresh Water/Coal - "15.6 ppg PNE-1 + 3% bwoc CaCl40% Excess/Yield=1.20 / CTS"
Intermediate 1 - "**** Storage Slring *** 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 / D035 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 / D801 - 0.03 gal / sack Retarder - 0% Excess"
Intermediate 2 - "Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl 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 MPA170Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% Excess/Lead Yield=1.19Tail Yield=1.94CTS"

25) Proposed borehole conditioning procedures:

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

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*Note: Attach additional sheets as needed.

08/25/2023



**1215 N-4H
Marcellus Shale Horizontal
Lewis County, WV**

**14205575.26N 1768712.34E
14206199.23N 1769237.06E
14226418.46N 1762092.35E**

**1215 N-4H SHL
1215 N-4H LP
1215 N-4H BHL**

***** 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 VEWOB Anti Foam / D202 - 0.15% BWOB
Dispersant / D095 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 / B647 - 0.35% BWOB GasBLOK / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam /
D801 - 0.03 gal / sack Retarder - 0% Excess

Ground Elevation

Azim

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
		Fresh Water	0	214, 600, 861	AIR	15.6 ppg PNE-1 + 3% bwoc CaCl 40% Excess Yield=1.20 / 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
		Kilnating Coal Fresh Water Protection	900	905					
17.5"	13-3/8" 66# J-55 BTC	Little Lime	1694	1714	AIR / KCL - Salt Polymer	See above (LEFT) for Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation	Bow Spring on every joint <i>*will also be running ACP for isolating storage zone*</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi
		Big Lime	1741	1818	AIR / KCL - Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. 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
		Injun / Ganiz (Storage)	1818 / 2073	1904 / 2125					
		Intermediate 1	0	2250					
Thirty Foot	2274	2286							
12.25"	9-5/8" 40# N-80 BTC	Gordon Stray / Gordon	2320 / 2346	2336 / 2446	AIR / KCL - Salt Polymer	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=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	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
		5th Sand	2590	2612					
		Bayard	2660	2675					
		Speechley	3287	3301					
		Benson	4599	4615					
		Alexander / Elk	4930 / 5540	5100 / 5800					
		Intermediate 2	0	TVD: 5650' MD: 5745' Inc: 18. dec.					
		Rhinesfreet	6203	6444					
		Cashaqua	6444	6650					
		Middlesex	6650	6734					
West River	6734	6831							
Burkett	6831	6864							
Tully Limestone	6864	6950							
Hamilton	6950	6753							
Marcellus	7015	7088							
TMD / TVD (Production)	29167	7075							
Onondaga	7088								

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AUG 11 2023
WV Department of Environmental Protection

LP @ 7075' TVD / 7712' MD
8.5" Hole - Cemented Long String
5-1/2" 26# P-110 HP CDC HTQ
+/-21455' ft Lateral
TD @ +/-7075' TVD +/-29167 MD
X=Centers

08/25/2023

EXISTING WELLS LOCATED WITHIN THE AREA OF REVIEW FOR:

VANECK 1215 NORTH UNIT AND PROPOSED WELLS N-1H, N-2H, N-3H, N-4H, N-5H & N-6H

CT	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4703300335	Harrison	C A Coffindaffer Hrs	Eastern Gas Transmission & Storage, Inc.	Fifth	Gas w/ Oil Show	3000	PLUGGED	39.166973	-80.574796
2	4703301770	Harrison	J D Hitt	Core Solutions LLC	Gordon Stray	Oil and Gas	2666	ACTIVE	39.171443	-80.561419
3	4703302173	Harrison	J&D Dellabrada	Braxton Oil & Gas Co.	Alexander	Gas	5627	Abandoned	39.171520	-80.579681
4	4703302678	Harrison	K W Coffindaffer	Tenmile Land, LLC	Alexander	House Gas	5550	ABANDONED	39.163980	-80.558063
5	4703302690	Harrison	Oran A Post	Diversified Production LLC	Greenland Gap Fm	Gas	5463	ACTIVE	39.167962	-80.555643
6	4703302691	Harrison	Oran A Post	Diversified Production LLC	Greenland Gap Fm	Gas	5500	ACTIVE	39.170718	-80.560114
7	4703302721	Harrison	Robert B Weiman	Tenmile Land, LLC	Alexander	Gas	5081	ACTIVE	39.163785	-80.568309
8	4703302754	Harrison	Robert B Weiman	Tenmile Land, LLC	Alexander	Oil and Gas	5389	ACTIVE	39.166893	-80.572517
9	4703302755	Harrison	Robert B Weiman	Tenmile Land, LLC	Alexander	Oil and Gas	5520	ACTIVE	39.170525	-80.569613
10	4703305378	Harrison	Ray Mosser Jr	Alliance Petroleum Co. LLC	Greenland Gap Fm	Oil and Gas	4010	ACTIVE	39.161053	-80.555241
11	4703305812	Harrison	John E Tyler	Diversified Resources, Inc.	UNKNOWN	Oil and Gas		ACTIVE	39.161053	-80.555241
12	4703330207	Harrison	Harvey Morris	South Penn Oil Co.	Hampshire Grp	not available	-	UNKNOWN	39.167992	-80.581201
13	4703330224	Harrison	Luetta Bowen	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	3021	PLUGGED	39.161822	-80.566082
14	4703330721	Harrison	A. A. Bailey	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil and Gas	2707	PLUGGED	39.167494	-80.563286
15	4703330722	Harrison	Howard Marts	South Penn Oil (S. Penn Nat. Gas)	Gordon	Oil and Gas	2690	PLUGGED	39.173444	-80.560678
16	4703330792	Harrison	J B Coffindaffer	Hope Natural Gas Company	Hampshire Grp	Oil	2598	PLUGGED	39.168364	-80.560118
17	4703331035	Harrison	William Moses	Moses, William	Hampshire Grp	Gas	2857	PLUGGED	39.162983	-80.569250
18	4703331146	Harrison	G N Simons	Hope Natural Gas Company	Gordon Stray	Oil	2660	PLUGGED	39.160956	-80.555326
19	4703331204	Harrison	A A Bailey	Bradford Supply Co.	Hampshire Grp	Gas	2827	PLUGGED	39.168364	-80.583525
20	4703331209	Harrison	Tillman Clemens	Bradford Supply Co.	Hampshire Grp	Oil	2714	PLUGGED	39.173735	-80.562914
21	4703331210	Harrison	J B Coffindaffer	Bradford Supply Co.	Gordon	Oil	2592	PLUGGED	39.160742	-80.561692
22	4703331221	Harrison	Mollie Marts	Bradford Supply Co.	Gordon Stray	Oil	2775	PLUGGED	39.165157	-80.565792
23	4703331235	Harrison	Minerva Walker	Bradford Supply Co.	Hampshire Grp	Oil	2686	PLUGGED	39.170252	-80.561423
24	4703331379	Harrison	J D Hitt	Bradford Supply Co.	Gordon Stray	Gas	2778	PLUGGED	39.169381	-80.567386
25	4703331548	Harrison	R T Lowndes	Bradford Supply Co.	Hampshire Grp	Oil	2787	PLUGGED	39.171122	-80.566268
26	4703331569	Harrison	Goynor Wise	Hope Natural Gas Company	Hampshire Grp	Gas	2933	PLUGGED	39.172603	-80.577069
27	4703331710	Harrison	Homer Hitt	Moses, William	Gordon Stray	Gas	2778	PLUGGED	39.168655	-80.565895
28	4703331798	Harrison	Burgess Morris	Oper in Min-owner fld, no code assign(Orphan well pr	Hampshire Grp	Gas	3028	PLUGGED	39.173954	-80.568006
29	4704100013	Lewis	Flossie Riley	Jackson, Richard C.	UNKNOWN	not available	-	PLUGGED	39.166104	-80.564061
30	4704100205	Lewis	F B Riley	NOTE: THIS WELL IS MAPPED BY SENECA TECHNOLOGIES AND IS SHOWN ON THE PERMIT PLAT BUT NO FIELD EVIDENCE OF IT WAS FOUND AND NO DATA EXISTS FOR IT IN THE WVGES 2020 DATA SET	Hampshire Grp	Storage	2361	ACTIVE	39.125388	-80.536900
31	4704100236	Lewis	George C Francis	Dominion Energy Transmission, Inc.	Gantz	Storage	2110	ACTIVE	39.122361	-80.541592
32	4704100239	Lewis	J T Bailey	Dominion Energy Transmission, Inc.	Gantz	Storage	2322	ACTIVE	39.134608	-80.552219
33	4704100255	Lewis	J T Bailey	Hope Natural Gas Company	Fifth	Storage	2556	PLUGGED	39.132001	-80.544329
34	4704100256	Lewis	J T Bailey	Hope Natural Gas Company	Gordon Stray	Storage	2435	PLUGGED	39.129980	-80.546426

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AUG 11 2023
WV Department of Environmental Protection

08/25/2023

35	4704100262	Lewis	Olive Thoms	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	2370	ACTIVE	39.127821	-80.544402
36	4704100266	Lewis	L E Gall	Hope Natural Gas Company	Gantz	Storage	2346	PLUGGED	39.136913	-80.555985
37	4704100267	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Gantz	Storage	2240	ACTIVE	39.133801	-80.557303
38	4704100335	Lewis	JT Bailey	Hope Natural Gas Company	Up Devonian	Storage	2341	PLUGGED	39.130706	-80.544729
39	4704100343	Lewis	E Haney	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2312	ACTIVE	39.122570	-80.556467
40	4704100358	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2767	ACTIVE	39.131939	-80.560943
41	4704101233	Lewis	Jacob Freeman Heirs	Diversified Resources, Inc.	Fifth	Oil and Gas	2796	ACTIVE	39.155255	-80.559765
42	4704101246	Lewis	L E Gall	Hope Natural Gas Company	Thirty-foot	Storage	2594	PLUGGED	39.139103	-80.555840
43	4704101296	Lewis	E L Haney	UNKNOWN	Gantz	Storage	2610	PLUGGED	39.124106	-80.559535
44	4704101483	Lewis	D C Burnside	Diversified Resources, Inc.	Squaw	Gas w/ Oil Show	2102	ACTIVE	39.155880	-80.552790
45	4704101501	Lewis	E Freeman	Pioneer Petroleum, Inc.	Squaw	Dry	2100	PLUGGED	39.148652	-80.567749
46	4704101578	Lewis	W A Booth	Diversified Resources, Inc.	Gordon	Gas	2674	ACTIVE	39.158031	-80.550804
47	4704101630	Lewis	W S Bennett	Dominion Energy Transmission, Inc.	Gantz	Storage	2368	PLUGGED	39.138805	-80.558116
48	4704101641	Lewis	Jack E Waggoner	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4703	ACTIVE	39.115940	-80.543809
49	4704101761	Lewis	William Burnside	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4760	ACTIVE	39.114437	-80.558559
50	4704101793	Lewis	Burnside & Freeman	Stephen Gas Company	Benson	Gas w/ Oil Show	4705	ACTIVE	39.133754	-80.545894
51	4704101796	Lewis	David A Caynor	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4755	ACTIVE	39.120257	-80.549412
52	4704101807	Lewis	E L Hanley	Eastern Gas Transmission & Storage, Inc.	Benson	Storage	4876	ACTIVE	39.121790	-80.559398
53	4704101900	Lewis	Burnside & Freeman	Stephen Gas Company	Big Injun (Grnbr)	Oil and Gas	1988	ACTIVE	39.135288	-80.545022
54	4704101966	Lewis	Brent Maxwell	Eastern Gas Transmission & Storage, Inc.	Gordon	Dry	2896	PLUGGED	39.154711	-80.578247
55	4704102173	Lewis	Woody Lumber Co Inc	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4746	ACTIVE	39.121674	-80.543631
56	4704102184	Lewis	M C Burnside	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4848	ACTIVE	39.116787	-80.536540
57	4704102303	Lewis	Orpha D Waggoner	Eastern Gas Transmission & Storage, Inc.	Benson	Oil and Gas	4777	ACTIVE	39.115272	-80.549369
58	4704102308	Lewis	F Riley	Eastern Gas Transmission & Storage, Inc.	Gordon	Gas	2393	ACTIVE	39.119736	-80.543167
59	4704102309	Lewis	J S Burnside	Dominion Energy Transmission, Inc.	not available	Gas	2591	PLUGGED	39.148560	-80.558603
60	4704102579	Lewis	Sarepta Nutter	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.130324	-80.566303
61	4704102580	Lewis	J R H Straley	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.132532	-80.566249
62	4704102588	Lewis	Minor J Hall	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2350	ACTIVE	39.119939	-80.561694
63	4704102603	Lewis	W Burnside	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.114018	-80.556711
64	4704102605	Lewis	T J Halterman	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.119907	-80.558232
65	4704102608	Lewis	G W Waggoner	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2296	ACTIVE	39.117018	-80.554880
66	4704102611	Lewis	George C Francis	Dominion Energy Transmission, Inc.	not available	Storage	2350	ACTIVE	39.134562	-80.555238
67	4704102612	Lewis	S Minter Heirs	Dominion Energy Transmission, Inc.	not available	Storage	2273	ACTIVE	39.122318	-80.551705
68	4704102613	Lewis	Caroline Minter	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2622	ACTIVE	39.128385	-80.546842
69	4704102615	Lewis	Geo C Francis	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.131662	-80.553225
70	4704102662	Lewis	Francis M McKinley	Hope Natural Gas Company	not available	Storage	-	ACTIVE	39.137318	-80.554891
71	4704102663	Lewis	Francis M McKinley	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.135429	-80.553660

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AUG 11 2023
WV Department of Environmental Protection

08/25/2023

72	4704102664	Lewis	Francis M McKinley	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.138758	-80.554200
73	4704102665	Lewis	W S Bennett	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.140146	-80.555951
74	4704102666	Lewis	Norman S Small	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2673	ACTIVE	39.135584	-80.556008
75	4704102667	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.137633	-80.558097
76	4704102668	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.139096	-80.559857
77	4704102669	Lewis	L E Gall	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.133045	-80.562280
78	4704102670	Lewis	B J & B E Rhoades	Dominion Energy Transmission, Inc.	Hampshire Grp	Observation	2141	ACTIVE	39.127182	-80.554537
79	4704102671	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.132416	-80.557967
80	4704102672	Lewis	L E Gall	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.129634	-80.563098
81	4704102697	Lewis	J A Fox	Fluharty Enterprises, Inc.	UNKNOWN	not available	-	XABANDONED	39.154720	-80.550106
82	4704102726	Lewis	E W Wagonner	UNKNOWN	Hampshire Grp	Gas	2435	PLUGGED	39.113030	-80.551358
83	4704102770	Lewis	Sheldon Minter	Dominion Energy Transmission, Inc.	undetermined unit	Storage	2232	ACTIVE	39.123651	-80.552733
84	4704102836	Harrison	Robert B Weiman	Tenmile Land, LLC	Elk	Oil and Gas	5730	ACTIVE	39.174811	-80.570185
85	4704102849	Lewis	Francis McKinley	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.136993	-80.554712
86	4704102850	Lewis	L E Gall et al	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	Storage	-	ACTIVE	39.135334	-80.558905
87	4704102955	Lewis	Zella Curry	Alliance Petroleum Co. LLC	Alexander	Gas	5353	ACTIVE	39.155188	-80.560862
88	4704102956	Lewis	James E Elmer	Diversified Resources, Inc.	Alexander	Oil and Gas	5431	ABANDONED	39.158129	-80.552007
89	4704102966	Lewis	Ralph Pitzer	Alliance Petroleum Co. LLC	Greenland Gap Fm	Oil and Gas	5535	ACTIVE	39.153631	-80.570456
90	4704103100	Lewis	Marjorie Hyatt	Dominion Energy Transmission, Inc.	Big Injun (Grnbr)	Oil w/ Gas Show	2075	ACTIVE	39.116597	-80.549618
91	4704103173	Lewis	Orpha Waggoner	Consolidated Gas Supply Corp.	Big Injun (Grnbr)	Dry	2089	PLUGGED	39.117125	-80.546833
92	4704103343	Lewis	R B Weimann	Diversified Resources, Inc.	Benson	Oil and Gas	5058	ACTIVE	39.166953	-80.578187
93	4704103958	Lewis	James W Wagner et al	Diversified Resources, Inc.	Greenland Gap Fm	Gas	3131	ACTIVE	39.150039	-80.550957
94	4704104722	Lewis	W S Bennett	Dominion Energy Transmission, Inc.	Fifth	Gas	2752	PLUGGED	39.140307	-80.560812
95	4704104753	Lewis	Allegheny Wood Products	Dominion Energy Transmission, Inc.	not available	not available	-	PLUGGED	39.137862	-80.551309
96	4704104784	Lewis	Troy/D Rickles	Eastern Gas Transmission & Storage, Inc.	UNKNOWN	not available	-	PLUGGED	39.141896	-80.567142
97	4704104976	Lewis	Phillip Burnside	Mountain V Oil and Gas, Inc.	Alexander	Gas	5600	ACTIVE	39.150796	-80.573408
98	4704105165	Lewis	J Todd Hatfield	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4910	ACTIVE	39.147356	-80.554526
99	4704105481	Lewis	Jerry Tomes	Diversified Resources, Inc.	Hampshire Grp	Oil and Gas	3300	ACTIVE	39.154425	-80.566885
100	4704105688	Lewis	John E Tyler	Diversified Resources, Inc.	-	-	-	NEVER DRILLED	39.165574	-80.582408
101	4704130007	Lewis	L E Gall	Hope Construction & Refining	not available	not available	-	PLUGGED	39.128685	-80.555511
102	4704130014	Lewis	Stella Freeman Hrs	South Penn Oil Co.	Gordon Stray	Oil	2778	PLUGGED	39.152835	-80.564021
103	4704130020	Lewis	S M Burnside	South Penn Oil Co.	Greenland Gap Fm	Oil and Gas	3675	PLUGGED	39.151820	-80.561972
104	4704130021	Lewis	J L Freeman	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	3038	PLUGGED	39.155010	-80.563649
105	4704130067	Lewis	L O Stutler	Pittsburgh & WV Gas	Gordon	Oil and Gas	2411	PLUGGED	39.129342	-80.556751
106	4704130070	Lewis	William Furlley	Pittsburgh & WV Gas	Hampshire Grp	Gas	2760	PLUGGED	39.143699	-80.562714
107	4704130076	Lewis	Ray & Delphia Holden	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2869	PLUGGED	39.128893	-80.563980
108	4704130103	Lewis	Earl Freeman	South Penn Oil Co.	Hampshire Grp	Oil	2782	PLUGGED	39.151384	-80.564765

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Office of Oil and Gas
AUG 11 2023
WV Department of
Environmental Protection

08/25/2023

109	4704130109	Lewis	F M McKinley	Federal Oil Co.	UNKNOWN	not available	2909	PLUGGED	39.127081	-80.559901
110	4704130149	Lewis	F M McKinley	Douglas, Septer W.	not available	not available	-	PLUGGED	39.141669	-80.546698
111	4704130201	Lewis	J L Freeman	UNKNOWN	not available	not available	-	PLUGGED	39.156170	-80.563649
112	4704130208	Lewis	Enn Bailey	Atha Supply Company	not available	not available	-	PLUGGED	39.141959	-80.551726
113	4704130209	Lewis	Jacob L Freeman Bros	South Penn Oil Co.	Gordon Stray	Oil and Gas	2580	PLUGGED	39.156460	-80.565381
114	4704130215	Lewis	Lelia Grace	South Penn Oil Co.	Hampshire Grp	Oil	2846	PLUGGED	39.144134	-80.551402
115	4704130227	Lewis	Ray & Delphia Holden	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil and Gas	2932	PLUGGED	39.126897	-80.563418
116	4704130228	Lewis	Chas A Coffindaffer	South Penn Oil Co.	Gordon	Oil	2736	PLUGGED	39.157765	-80.569853
117	4704130284	Lewis	Francis M McKinley	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	2821	PLUGGED	39.139493	-80.545440
118	4704130289	Lewis	John S Burnside	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	2818	PLUGGED	39.143008	-80.553062
119	4704130355	Lewis	William Moses	Moses, William	Fifth	Oil	2806	PLUGGED	39.158346	-80.551972
120	4704130356	Lewis	William Moses	Moses, William	Gordon Stray	Oil	2805	PLUGGED	39.157765	-80.557000
121	4704130427	Lewis	Mrs Alona May Lowman	Bradford Supply Co.	Gordon Stray	Gas	2702	PLUGGED	39.156412	-80.568647
122	4704130428	Lewis	Mrs Alona May Lowman	Bradford Supply Co.	Gordon Stray	Oil	2594	PLUGGED	39.154630	-80.565145
123	4704130468	Lewis	J A Fox	Bradford Supply Co.	Hampshire Grp	Gas	2850	PLUGGED	39.153995	-80.552341
124	4704130469	Lewis	Alice White	Bradford Supply Co.	Hampshire Grp	Oil	2850	PLUGGED	39.143409	-80.545395
125	4704130486	Lewis	Serepta Nutter	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2914	PLUGGED	39.125691	-80.561211
126	4704130499	Lewis	J A Fox	South Penn Oil Co.	Hampshire Grp	Oil	2793	PLUGGED	39.149595	-80.546272
127	4704130578	Lewis	Fortunatus White	Hope Natural Gas Company	Hampshire Grp	Gas	2602	PLUGGED	39.117115	-80.543159
128	4704130599	Lewis	U A Morris	Bradford Supply Co.	Gordon Stray	Oil	2707	PLUGGED	39.160086	-80.565700
129	4704130620	Lewis	J L Freeman	Hal Pack & Company	Hampshire Grp	Oil	2619	PLUGGED	39.156750	-80.569666
130	4704130628	Lewis	Fortunatus White	Hope Natural Gas Company	not available	not available	2702	not available	39.119287	-80.539976
131	4704130693	Lewis	Shelton Minter Hrs	Hope Natural Gas Company	Hampshire Grp	Gas	2594	PLUGGED	39.124656	-80.548745
							YELLOW DENOTES WELL WITH TVD > 4,500'	DENOTES SURVEYED WELL COORDINATES		

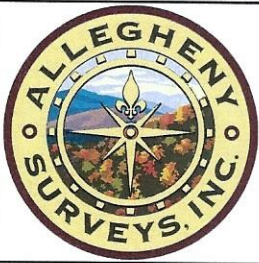
SOURCE: WVGES DATASET (2020) and WVDEP WEBSITE AND FIELD SURVEYS

UPDATED 12/5/2022

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AUG 11 2023
WV Department of
Environmental Protection

08/25/2023

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-4H MOD



Page 1 of 3

Notes:
Well No. Vaneck 1215 N-4H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,575.26'
E: 1,768,712.34'
Landing Point Coordinates
N: 14,206,199.23'
E: 1,769,237.06'
Bottom Hole Coordinates
N: 14,226,418.46'
E: 1,762,092.35'



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

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070

Notes: Well No. Vaneck 1215 N-4H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'01.21" Latitude: 39°10'27.62"
Longitude: 80°32'52.23" Longitude: 80°34'14.99"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,867.999m N: 4,336,221.019m
E: 539,104.599m E: 537,086.822m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-4H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

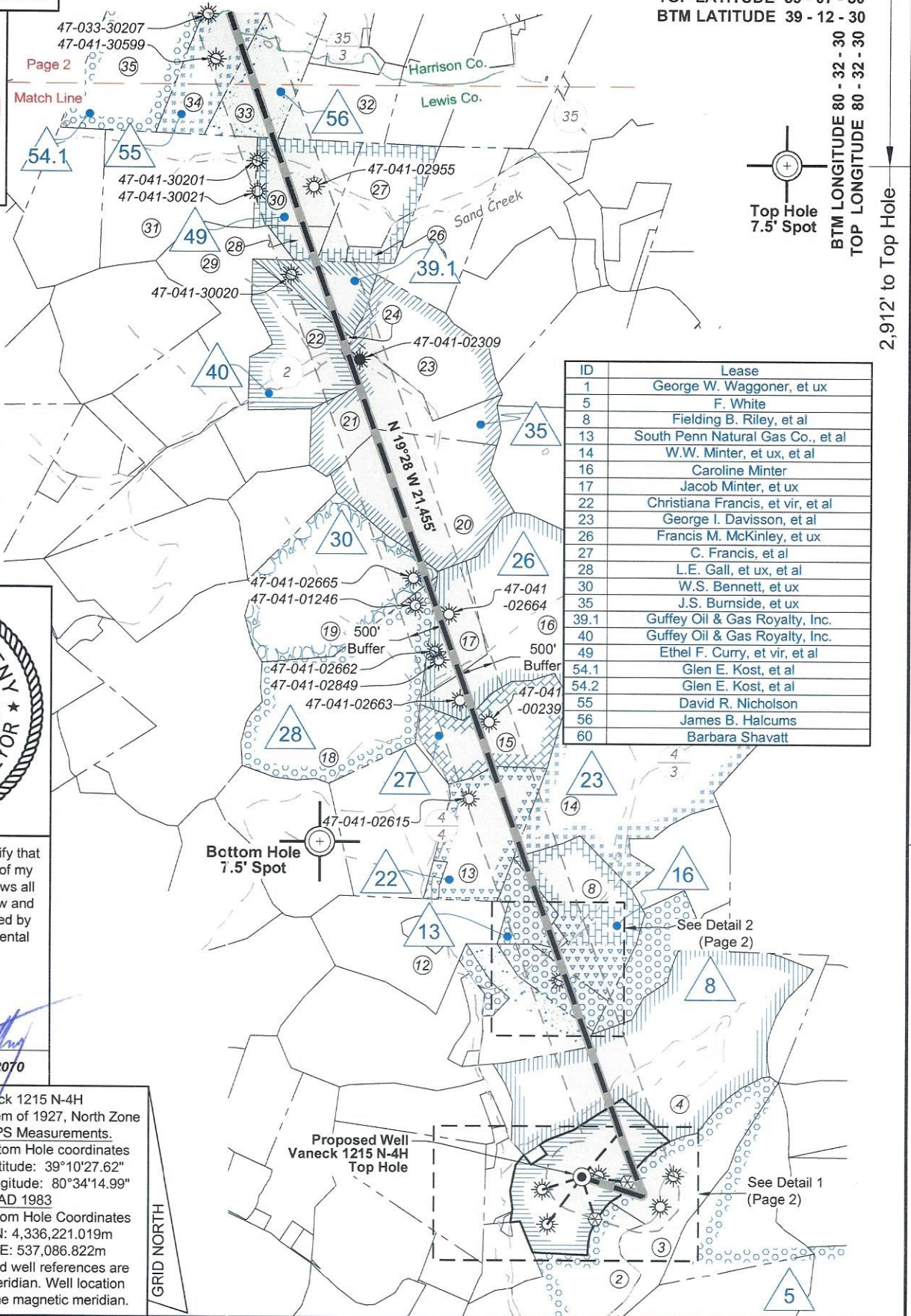
GRID NORTH

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

DATE: February 28 2023
OPERATOR'S WELL NO. Vaneck 1215 N-4H
API WELL NO
47 - 041 - 05735
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al
ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE NO: ACREAGE: 56.00
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: 29,167' 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



8,265' to Bottom Hole

1,751' to Top Hole

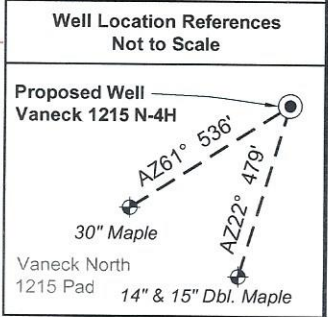
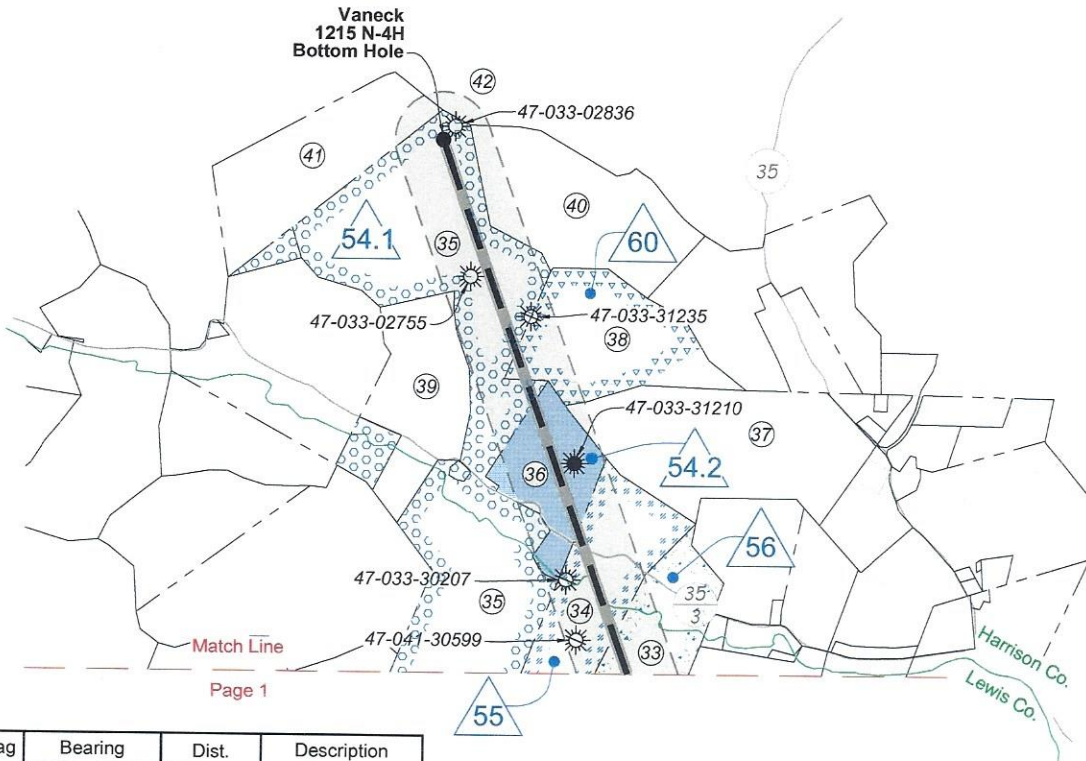
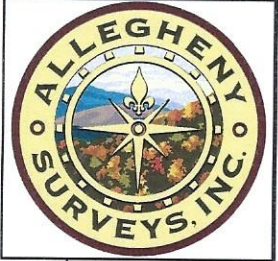
TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 12 - 30

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

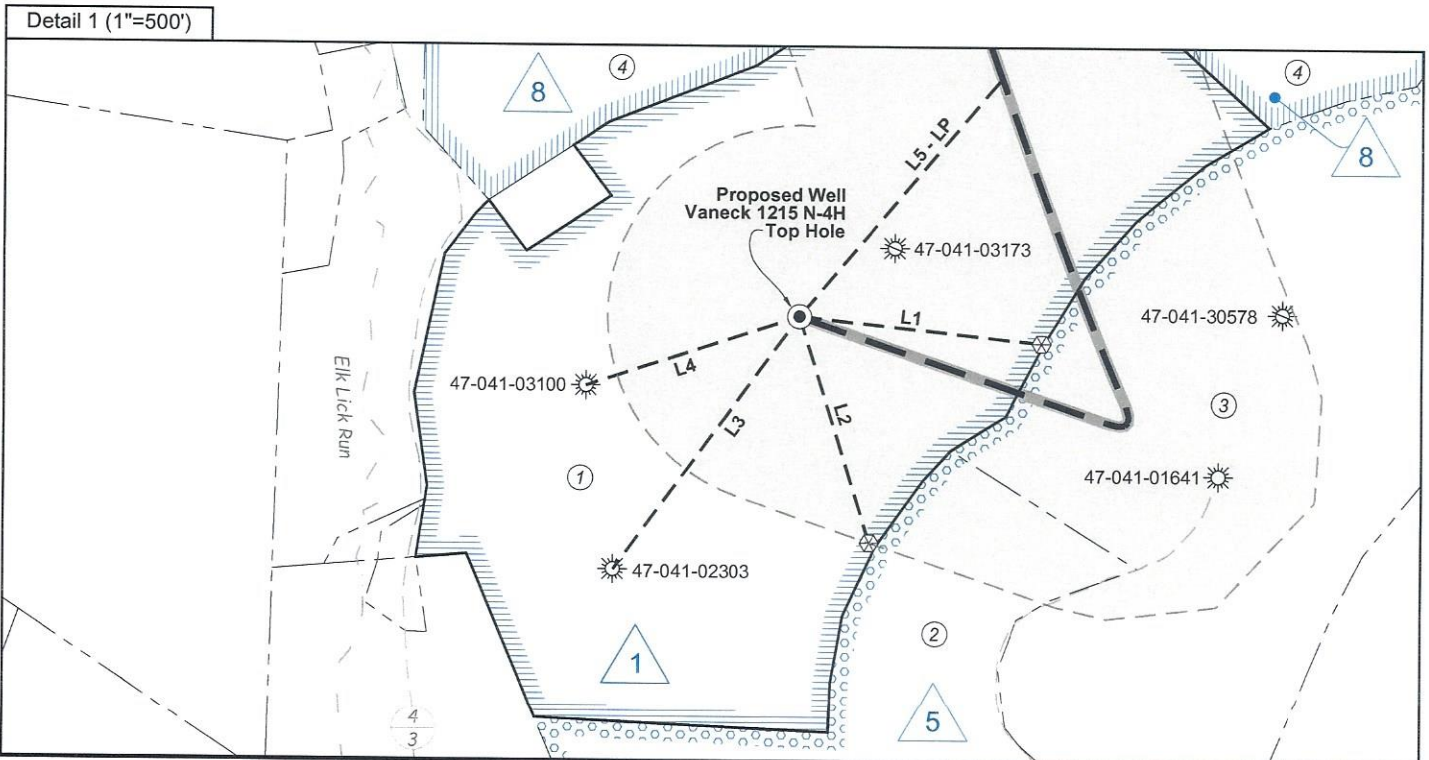


2,912' to Top Hole
12,378' to Bottom Hole

Top - Camden
Btm - Big Isaac
COUNTY: Lewis
ACREAGE: 55.00
08/25/2023



Tag	Bearing	Dist.	Description
L1	N 83°50' W	634.6'	1/2" Rebar
L2	N 17°13' W	620.2'	1/2" Rebar
L3	N 35°58' E	821.6'	47-041-02303
L4	N 71°45' E	584.5'	47-041-03100
L5	N 40°04' E	815.3'	Landing point



FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-4H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: February 28 2023
OPERATOR'S WELL NO. Vaneck 1215 N-4H
API WELL NO
47 - 041 - 05735
STATE COUNTY PERMIT

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

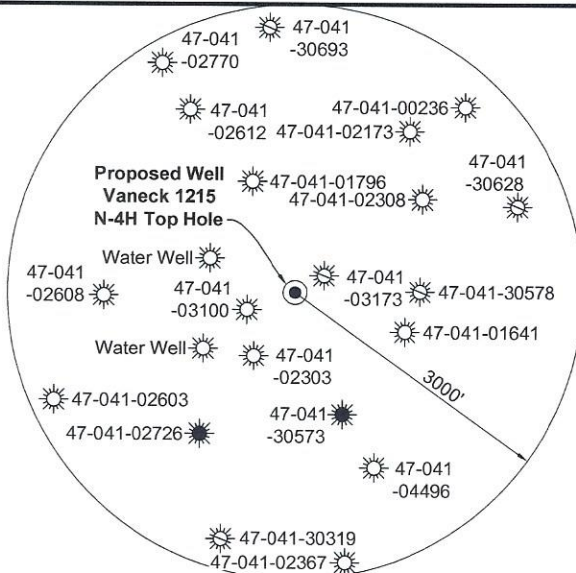
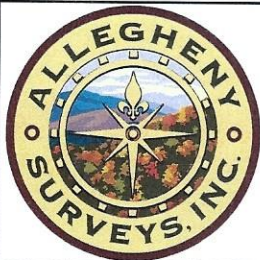
LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek QUADRANGLE: Top - Camden Btm - Big Isaac
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al COUNTY: Lewis
ROYALTY OWNER: George W. Waggoner, et ux, et al LEASE NO: ACREAGE: 55.00
PROPOSED WORK: DRILL CONVERT DRILL 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: 7,075' TVD 29,167' 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

08/25/2023

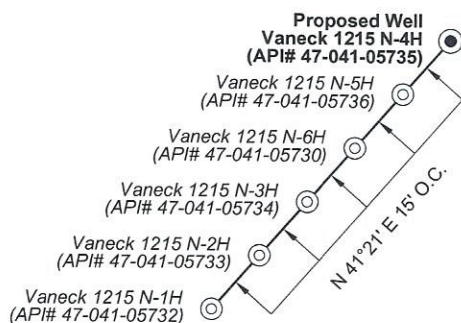
Legend

- 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.)

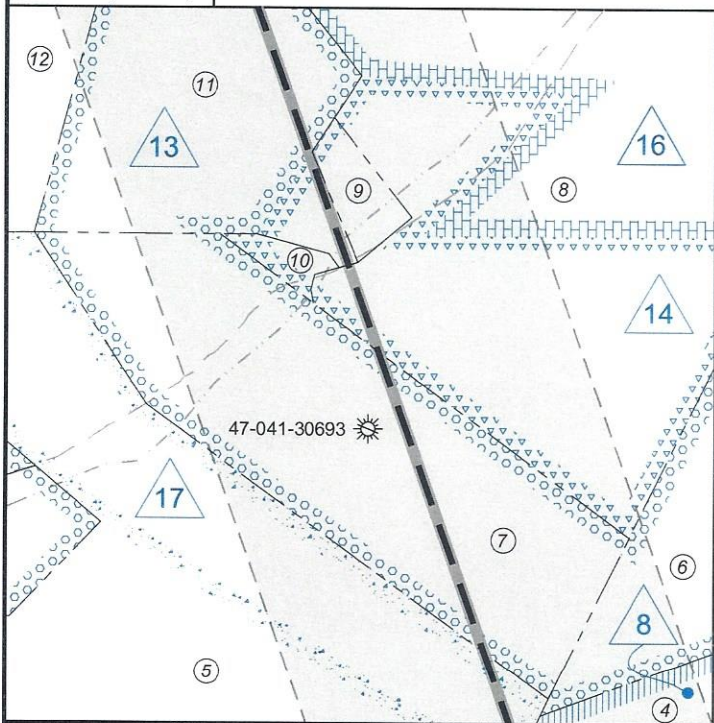


Note: 2 water well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Wellhead Layout (NTS)



Detail 2 (1"=500')



Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	5C / 29	HG Energy II Appalachia, LLC	765 / 894	55.00
2	5C / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
3	5C / 27.2	Jack E. & Cerilda M. Waggoner	547 / 691	57.97
4	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
5	5C / 3	Betty E. Rhoades	W35 / 524	33.60
6	5C / 55	Debora Burnside Garrett, et al	WB R / 525	25.00
7	5C / 52	Debora Burnside Garrett, et al	WB R / 525	16.50
8	5B / 15	Edward E. Garrett, et al	429 / 245	53.40
9	5C / 50	Edward E. Garrett, et al	429 / 245	1.00
10	5C / 1	Betty E. Rhoades	W35 / 524	0.50
11	5B / 42	Bruce Garrett, et al	PB 2 / 155	14.10
12	5B / 11	Betty E. Rhoades	W35 / 524	56.00
13	5B / 22	Christopher G. Duerr	594 / 666	34.50
14	5B / 21	Theodore J. & Jacqueline Riley	467 / 254	140.00
15	5B / 23	Christopher G. Duerr	594 / 666	40.00
16	5B / 25.1	Jeffrey P. & Anessa E. Griffith	745 / 338	118.29
17	5B / 25	Misty L. & Gerald Kolva, II	722 / 849	25.27
18	5B / 5	Gerald L. & Rita R. Kolva	639 / 517	100.33
19	5B / 4	Coastal Forest Resources Co.	710 / 471	85.00
20	5B / 3	Jeffrey P. & Anessa E. Griffith	653 / 168	74.00
21	5B / 1	Jeffrey P. & Anessa E. Griffith	692 / 498	49.25
22	5A / 4	Jeffrey P. & Anessa E. Griffith	692 / 498	44.00
23	5A / 5	Jeffrey P. & Anessa E. Griffith	653 / 165	51.25
24	5A / 3	Howard Walker, III	576 / 473	0.19
25	5A / 6	Jeffrey P. & Anessa E. Griffith	692 / 498	78.00
26	5A / 2.1	Wilson L. Zimmerman	702 / 556	6.00
27	5A / 2	Jerry Tomes	W17 / 336	42.00
28	5A / 1	Jerry C. & Linda K. Tomes	469 / 408	6.00
29	4A / 37	Rachel D. & Joshua M. Wyckoff	750 / 260	48.50
30	4A / 35	Jerry Tomes	W17 / 336	34.00
31	4A / 34	Jerry Tomes	W17 / 336	80.00

Harrison Co. - Union Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
32	421 / 35	Marion Dougherty	1464 / 1331	34.00
33	421 / 30	John T. & Stephanie J. Sowell	1261 / 1129	42.80
34	421 / 29	John T. & Stephanie J. Sowell	1261 / 1129	51.27
35	421 / 8	Kincheloe Mitigation Holdings, LLC	1565 / 908	185.30
36	421 / 28	Helen & David Stout	1406 / 1111	28.00
37	421 / 11.2	Christopher D. Nikki B. Curry	1616 / 417	70.00
38	421 / 10	Christopher D. Nikki B. Curry	1616 / 417	46.00
39	421 / 26	Kincheloe Mitigation Holdings, LLC	1565 / 908	37.96
40	421 / 9	Jeff Burnside	1345 / 957	52.20
41	421 / 7	Donald J. & Carole D. Knicely	1219 / 1282	47.70
42	401 / 10	Jeff Burnside	1345 / 957	44.77

FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-4H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: February 28 2023
OPERATOR'S WELL NO. Vaneck 1215 N-4H
API WELL NO
47 - 041 - 05735
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1254.8' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

Top - Camden
QUADRANGLE: Btm - Big Isaac
COUNTY: Lewis
ACREAGE: 55.00

SURFACE OWNER: HG Energy II, Appalachia, LLC, et al
ROYALTY OWNER: George W. Waggoner, et ux, et al

LEASE NO: _____ ACREAGE: 56.00

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: 29,167' MD 7,075' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

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

08/25/2023

**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 Sheets

Co-Tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-Tenancy Act

Horizontal Well Unit Utilization - Subject to unitization filing with the WV Oil and Gas Conservation Commission

**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: Accountant

HG Energy II Appalachia, LLC - Vaneck 1215 N-4H Lease Chain

1215N Tract	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
1	FK051509	03-005C-0027-0001 03-005C-0029-0000	Q100665000	GEO. W. WAGGONER AND ROSA M. WAGGONER, HIS WIFE	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	NOT LESS THAN 1/8	73	383
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	85	141
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				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				
8	FK052230	03-005C-0030-0000	Q100666000	FIELDING B. RILEY AND SAMUEL M. RILEY AND M. V. RILEY	E. W. BOYD	NOT LESS THAN 1/8	35	235
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	369
				S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36	517
				LOUIS BENNETT AND S. E. BARRETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT (75%)	71	14
				S. E. BARRETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	569
				LOUIS BENNETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	571
				J. M. GUFFEY AND JNO. 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
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				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				
				JACOB MINTER AND PRISCILLA MINTER, HIS WIFE	E. W. BOYD	NOT LESS THAN 1/8	35	239
				CAROLINE MINTER	E. W. BOYD	NOT LESS THAN 1/8	35	223
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	369
				S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36	517

17	FK052233 FK066405	p/o 03-005C-0003-0000	Q100761000 Q100761000	S. E. BARRETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	569
				LOUIS BENNETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	571
				J. M. GUFFEY AND JNO. 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
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURGH AND WEST VIRGINIA GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	156	420
				PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
				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
13	FK068184	p/o 03-005B-0013-0000 03-005B-0016-0000 03-005C-0001-0001	Q101066000	SOUTH PENN NATURAL GAS COMPANY; JOHN W. LOWTHER & MARIE LOWTHER, HIS WIFE; W. R. MINTER, SINGLE; J. S. MINTER, WIDOWER; FRANK MCCLUNG, WIDOWER; DORTHY STOUT & BENNIE STOUT, HER HUSBAND; MARY STOUT, A MARRIED WOMAN LIVING SEPARATE AND APART FROM HER HUSBAND; EDWARD T. MINTER & MARY JOSEPHINE MINTER, HIS WIFE; C. M. GARRETT, WIDOWER; JOHN E. GARRETT & HELEN H. GARRETT, HIS WIFE; L. EARL GARRETT & VIRGINIA G. GARRETT, HIS WIFE; ANICE G. BAKER & ARDEN C. BAKER, HER HUSBAND; ETHAL G. GUM & E. KEMP GUM, HER HUSBAND; EDNA G. BAKER & PAUL F. BAKER, HER HUSBAND; MAVIS G. COLE & DELBERT COLE, HER HUSBAND; BARYL G. TALBOTT & BROCK TALBETT, HER HUSBAND; MONA LEE SHUTTS & CREED L. SHUTTS, HER HUSBAND; WANDA G. FLESHER & R. R. FLESHER, HER HUSBAND; K. E. MCCLUNG & E. E. MCCLUNG, HIS WIFE; WILDA L. BERG & HENRY B. BERG, HER HUSBAND; HAROLD MCCLUNG & HELEN MCCLUNG, HIS WIFE; JOSEPH R. GARRETT & RUTH G. GARRETT, HIS WIFE; CHARLES M. GARRETT, JR. & HILDA L. GARRETT, HIS WIFE; CATHERINE WARE & DANCIL WARE, HER HUSBAND; GARNETTA KENNEDY & FRANK KENNEDY, HER HUSBAND; WILSIE M. TAYLOR & CHARLES R. TAYLOR, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	254	127
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE		WVSOS
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE		WVSOS
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				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
14	FK066407 FK066408 FK051005	03-005B-0015-0000	Q100312000 Q100733000 Q100914000	W.W. MINTER AND MARTHA J. MINTER, HIS WIFE, W.R. MINTER, SINGLE, AND J.S. MINTER AND VIRGINIA MINTER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	153	65
				JOHN W. LOWTHER AND MARIE LOWTHER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	240	141
				SOUTH PENN OIL COMPAY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	240	150
				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				
16	FK052234 FK066405	p/o 03-005B-0015-0000	Q100274000	CAROLINE MINTER	E. W. BOYD	NOT LESS THAN 1/8	35	223
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	369
				S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36	517
				LOUIS BENNETT AND S. E. BARRETT	J. M. GUFFEY AND JOHN H. GALEY	ASSIGNMENT (75%)	44	571
				S. E. BARRETT	J. M. GUFFEY AND JOHN H. GALEY	ASSIGNMENT	44	569
				LOUIS BENNETT	J. M. GUFFEY AND JOHN H. GALEY	ASSIGNMENT	44	571
				J. 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
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				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				
		03-005B-0015-0000		GEO. C. FRANCIS AND CHRISTIANA FRANCIS, HIS WIFE; AND W. W. BRANNON AND ADDIE BRANNON, HIS WIFE	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	NOT LESS THAN 1/8	55	126
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURGH AND WEST VIRGINIA GAS COMPANY AND THE PHILADELPHIA COMPANY OF WEST VIRGINIA	HOPE NATURAL GAS COMPANY	ASSIGNMENT	156	420
				PITTSBURGH 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					

26	FK056567 FK056567-1	03-005B-0025-0000 03-005B-0025-0001 03-005B-0025-0002	Q100776000	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	85	141
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURGH AND WEST VIRGINIA GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	174	231
				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				
28	FK056564	03-005B-0005-0000	Q100344000	L. E. GALL AND HENRIETTA GALL, HIS WIFE; AND J. L. GALL AND MARY E. GALL, HIS WIFE	SOUTHERN OIL COMPANY	NOT LESS THAN 1/8	40	32
				J. N. BARNSDALL AND SOUTHERN OIL OCOMPANY	FRED S. RICH	DEED	46	170
				FRED S. RICH AND M. B. RICH, HIS WIFE	GEORGE H. CORNWALL AND JOHN M. REED	ASSIGNMENT (12.5%)	46	228
				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,(PARTNERS AS FRED S. RICH & CO.) AND W. I. GOBEL AND L. M. GOBEL, HIS WIFE	CRUDE OIL COMPANY	ASSIGNMENT	52	176
				CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	55	95
				CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	55	437
				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				
30	FK056568 FK065934	03-005B-0004-0000	Q100345000 Q100987000	W. S. BENNETT AND A. V. BENNETT, HIS WIFE	THE LEWIS OIL COMPANY	NOT LESS THAN 1/8	44	6
				THE LEWIS OIL COMPANY	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	562
				THE LEWIS OIL COMPANY	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	46	399
				J. M. GUFFEY AND JNO. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	73	318
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	174	231
				HUNTER M. BENNETT AND MADGE BENNETT, HIS WIFE; GUFFEY OIL AND GAS ROYALTIES, INC.; AND JOSEPH SHIBEN AND MINNIE SHIBEN, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	235	105
				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
35	FK052231	03-005A-0005-0000 03-005B-0001-0000 03-005B-0003-0000	Q100378000	JOHN S. BURNSIDE AND BIRD BURNSIDE	E. W. BOYD	NOT LESS THAN 1/8	35	234
				E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	369
				S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36	517
				LOUIS BENNETT	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	44	571
				J. M. GUFFEY AND JNO. 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
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
				THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
				PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
				EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				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
5	FK053097	p/o 03-005C-0022-0000 p/o 03-005C-0022-0001 p/o 03-005C-0025-0000 p/o 03-005C-0027-0002 03-005C-0045-0000 03-005C-0046-0000 03-005D-0020-0000 p/o 03-005D-0035-0000 p/o 03-005D-0036-0000 03-005D-0036-0001 03-005D-0036-0002 03-005D-0037-0000 03-005D-0038-0000 03-005D-0060-0000 03-005D-0060-0001 THRU 03-005D-0060-0015 03-005D-0061-0000 03-005D-0061-0001 03-005D-0062-0000	Q100333000	F. WHITE	SOUTHERN OIL COMPANY	NOT LESS THAN 1/8	40	62
				T. N. BARNSDALL, SOUTHERN OIL COMPANY, AND FRED S. RICH	RESERVE GAS COMPANY	ASSIGNMENT	85	106
				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	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
39.1	HGII02086, HGII02523	03-005A-0006-0000	HGII02086, HGII02523	GUFFEY OIL & GAS ROYALTIES INC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	778	554
				SUSAN HAGAR	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	457
				Guffey Oil & Gas Royalty, Inc.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	778	556
				Shiben Estates Inc.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	794	901

40	HGII02087 ET AL	03-5A-04	HGII02087 ET AL	Tamera Jo Durbin	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	798
				Philip John Currey	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	796
				Jane Ann Currey-Cartee AKA Jane Ann Currey-Risner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	802
				James Marshall Dye	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	762	760
				Susan Hagar	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	455
				Mark Steven Newman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	765
				Lisa Koss	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	767
				Todd E. Newman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	775
				Laura Beth Kuntz NKA Laura Beth Pitner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	763
				Elizabeth Rule	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Stephen Granville Rule	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Walter T. Newman	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Patricia Kuntz	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Debra Ann Nielsen	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Nathaniel Newman	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Jessica Matias	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
				Scott Newman, aka Scott Preston Newman	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788
Westley Newman, minor, mother- Ashley Peoples Conner	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	800	788				
49	CNX109564-000	03-005A-0001-0000 03-005A-0002-0000 03-005A-0002-0001 03-004A-0035-0000	CNX109564-000	ETHEL F. CURRY AND W. B. CURRY, HER HUSBAND; ZELLA CURRY AND H. O. CURRY, HER HUSBAND	PIONEER PETROLEUM INC	NOT LESS THAN 1/8	276	679
				PIONEER PETROLEUM INC	E. DAVISSON HARDMAN	ASSIGNMENT	388	431
				E. DAVISSON HARDMAN	J. ROBERT HORNOR	ASSIGNMENT	387	623
				J. ROBERT HORNOR	STONEWALL GAS COMPANY	ASSIGNMENT	389	450
				STONEWALL GAS COMPANY STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE , AND MOUNTAIN GAS 80-2, ET AL	STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE INCLUDING STONEWALL GAS COMPANY, AND MOUNTAIN GAS 80-2	AGREEMENT AND ASSIGNMENT	389	445
				STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE , AND MOUNTAIN GAS 80-2, ET AL	MOUNTAIN INCOME I LIMITED PARTNERSHIP	PARTIAL ASSIGNMENT	517	531
				STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE , AND MOUNTAIN GAS 80-2, ET AL	STONEWALL GAS COMPANY	PARTIAL ASSIGNMENT	517	517
				MOUNTAIN INCOME I LIMITED PARTNERSHIP, ET AL	STONEWALL GAS COMPANY	PARTIAL ASSIGNMENT	532	724
				MOUNTAIN INCOME I LIMITED PARTNERSHIP, ET AL	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES LLC	PARTIAL ASSIGNMENT	533	604
				STONEWALL GAS COMPANY	DOMINION APPALACHIAN DEVELOPMENT INC	MERGER/NAME CHANGE	(HARRISON) 59	1086
				DOMINION APPALACHIAN DEVELOPMENT INC	DOMINION APPALACHIAN DEVELOPMENT LLC	MERGER/NAME CHANGE	10	38
				DOMINION APPALACHIAN DEVELOPMENT PROPERTIES LLC	CONSOL GAS APPALACHIAN DEVELOPMENT PROPERTIES LLC	MERGER/NAME CHANGE	9	471
				CONSOL GAS APPALACHIAN DEVELOPMENT PROPERTIES LLC AND CONSOL GAS APPALACHIAN DEVELOPMENT LLC	CONSOL GAS RESERVES INC	MERGER/NAME CHANGE	9	471
				CONSOL GAS RESERVES INC	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	776	976
								Glen E. Kost (Heir - Elva V. Kost)
Skypoint Resources, LLC	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736					1032
James "Ted" Talbott	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735					1237
Judith Irene Lenz	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736					779
Richard B. Talbott	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735					1225
Mary Ann Talbott Newcomer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736					1026
Jamie Marsh	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738					371
Shannon Carlson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738					373
Ryan C. Radtka	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741					930
Agnes J. Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711					1056
Timothy Sanger	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712					419
Stephen Sanger	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712					421
Diane Smith	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712					458
Michele Sanger	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712					431
Terry Bostardi	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1724					408
Thomas A. Tricott	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735					735
Jane Ann Barton	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712					972

Breana M. Lewis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1720	74
Jackie Gear	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	968
Connie Sue Coffindaffer Ferrell	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	727
Wade H. Coffindaffer III	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	415
Debra Kay Stansbury Oyler	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1108
Thomas R. McConnell	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	788
Shelly Legaspi	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1172
Chad Johnson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	937
Betty Jo Keister	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1709	732
William Lewis Coffindaffer	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1710	110
Carol Ann Nay	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1711	60
Freda Pauline Perkins	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1709	929
Barbara Ann Dawson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1051
Misha Lea McDonie	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	429
William J. Sheldon	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	413
Susan J. Smith	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	751
Diana Jean Smith Rahm	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1720	749
Sheryl Lynn Smith Koons	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	224
Trustees of the Jackson Lodge No. 35 AF & AM Cemetery	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1319
Tillman Lee Williams, Life Estate	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	743
Tillman Lee Williams, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	747
Aneta (Anita) Marie Davis, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1709	1326
Edward Williams, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	783
Beth Ann Thompson, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1116
Michelle Gregory FKA Michelle K. Rodgers, Successor Trustee of the Michelle K. Rodgers Trust	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	790
R. Michael Groom, as Trustee of the Michael D. Rodgers Trust (Michael D. Rodgers is now the Trustee, as of May, 2021)	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1034
R. Michael Groom, as Trustee of the Raymond R. Rinehart Trust (Raymond R. Rinehart is now the Trustee as of this week.)	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1229
Sidney Boggess Jackson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	858
Charles Russell Jackson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1110
Carney B. Jackson Revocable Trust, dated December 13, 2007, Carney B. Jackson and/or Beth L. Jackson, Trustee	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	864
Margaret E. Hugus	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	439
James Ivan McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1180
William Michael McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1233
Marijo Robin Morris Marsh	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1174
Sandra E. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1708	696
David Michael Bennett	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1227
Lanette Higgins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1716	858
Cheri Lynn Myron	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1034
Leslie Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1716	856
Marcia Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	974
Charles Lynn Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	310
Phillip Roger Slagle, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1030
Patricia Sandoval	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	130
Ora Lee Levy Trust c/o First Merchant's Bank, Andrew Weisenburger, Trustee	HG ENERGY II APPALACHIA LLC	Horizontal Unit Order	Docket 320	335
Anita Douglas Bratko	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	553
Buene Ann Douglas Neel AKA Buine Ann Douglas by POA Kent Neel	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	155
Joe Ross Douglas	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	132
Julia Ann Malone fka Julia Ann Carder nka Julie Ann Carder Young	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1307
Betty Fridley	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1235

54.1

HGII01672 ET AL

20-421-8; 20-421-8.1; 20-421-27

HGII01672 ET AL

Lueva Lee Morris Shuman				
AIF Terri J. Jones	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	925
Patricia Y. Owens	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1239
Ginger C. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	923
Amanda Jo Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1028
Amy Louise Morris Wuest	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	365
Patricia L. Turk Morris	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1717	40
Eva Marie Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	853
Cheri L. Myron	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1034
Anita Carol Snider Jarrett Douglas	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1053
Julie Ann Carder	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1307
JOHN R. MORRIS ET AL	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1113	1069
JACKSON L SMITH	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1107	356
JACKSON L SMITH	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1116	705
Pete Perri and Guy E. Morris, Jr., d/b/a C & P Oil & Gas Company	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1332	1019
Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1336	172
Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1336	175
Robert L. Matthey, Sr. and Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1351	1228
HMS RESOURCES INC	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1743	411
Pamela Peet	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1743	420
James Bradford Halcums	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1720	177
Billy L. Coffindaffer c/o Ernie Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1032
Ernest E. Carder, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	519
Lou Ann Baker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	441
Mary Jo Strong Short	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	758
Deidre L. Mason Brown	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	532
Joanne B. Penny	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1338
John Penny	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1721	790
Michelle Johnson, aka Jacqueline Michelle Johnson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	987
Priscilla Ann Shields	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	737
Karen Jo Ogrodnick	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	785
Susan Pronchik	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	851
Kimberly Jo Griffith	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	150
Francis Winfield Hughes	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1184
Fred Keith Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	733
Beverly Jo Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	876
Vanessia G. Hillberry, aka Vanessia G. Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	741
David L. Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1715	1052
Shyann Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	134
Beverly T. Rose	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Teresa Rose Attridge	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
H. M. Burton "Helen"	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Paula Ashley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Lindsay Kay Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Geri Beth Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary Ellen Kraus (Kraus)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Clarence Lee Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Diana M. Esteve	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mark J. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Chad W. Johnson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
David L. Currey (Leslie K. Currey; guardian)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Maranda Michelle Elizabeth Ford	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Richard Thomas Ford, II	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Ralph LaGatta, Life Estate (Carmela Weber is full guardian and conservator)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Carmela Weber, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Michael LaGatta, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335

Trustees of the Francis J. LaGatta Revocable Trust, dated September 15, 2011, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Rita Jane Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mark Allen Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Amy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Timothy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Rita Jane Davis, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Erica Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mark Allen Williams, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Joel Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Justin Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
A. Morris Clemans UA Trust, Alan Clemans, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Robert W. Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Richard Charles Bennett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Wendy Marie Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Bruce I. MacNeill	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary B. Ferguson Trust				
T. Rlison Ferguson III, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary L. Morris Hurst	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Tonya Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Alice Jean Morris Kirkendall	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Carl R. Lingerfelt	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Alan Clemans, Trustee of the A. Morris Clemans Testamentary Trust				
	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Wendy Marlene Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Lucille R. Taylor	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Jimmie Jo Douglas Smith	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
NAJ, LLC, a West Virginia limited liability company	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Shirley J. Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Linda L. Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Joseph H. Mason	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Scott Penny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
John C. Irvine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
James R. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Debbie Sallee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Charles Anthony Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Linda Darlene McCoy Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Cynthia Dawn Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Domenic Calasante	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Glen E. Kost (Heir - Elva V. Kost)	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1711	634
Skypoint Resources, LLC	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1032
James "Ted" Talbott	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1237
Judith Irene Lenz	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	779
Richard B. Talbott	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1225
Mary Ann Talbott Newcomer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1026
Jamie Marsh	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738	371
Shannon Carlson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738	373
Ryan C. Radtka	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	930
Agnes J. Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1056
Timothy Sanger	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	419
Stephen Sanger	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	421
Diane Smith	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	458
Michele Sanger	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	431
Terry Bostardi	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1724	408
Thomas A. Tricott	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	735
Jane Ann Barton	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	972
Breana M. Lewis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1720	74

Jackie Gear	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	968
Connie Sue Coffindaffer Ferrell	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	727
Wade H. Coffindaffer III	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	415
Debra Kay Stansbury Oyler	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1108
Thomas R. McConnell	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	788
Shelly Legaspi	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1172
Chad Johnson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	937
Betty Jo Keister	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1709	732
William Lewis Coffindaffer	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1710	110
Carol Ann Nay	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1711	60
Freda Pauline Perkins	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1719	929
Barbara Ann Dawson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1051
Misha Lea McDonie	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	429
William J. Sheldon	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	413
Susan J. Smith	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	751
Diana Jean Smith Rahm	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1720	749
Sheryl Lynn Smith Koons	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	224
Trustees of the Jackson Lodge No. 35 AF & AM Cemetery	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1319
Tillman Lee Williams, Life Estate	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	743
Tillman Lee Williams, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	747
Edward Williams, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	783
Aneta (Anita) Marie Davis, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1709	1326
Beth Ann Thompson, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1116
Michelle Gregory FKA Michelle K. Rodgers, Successor Trustee of the Michelle K. Rodgers Trust	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	790
R. Michael Groom, as Trustee of the Michael D. Rodgers Trust (Michael D. Rodgers is now the Trustee, as of May, 2021)	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1034
R. Michael Groom, as Trustee of the Raymond R. Rinehart Trust (Raymond R. Rinehart is now the Trustee as of this week.)	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1229
Sidney Boggess Jackson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	858
Charles Russell Jackson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1110
Carney B. Jackson Revocable Trust, dated December 13, 2007, Carney B. Jackson and/or Beth L. Jackson, Trustee	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	864
Antero Minerals, LLC	HG ENERGY II APPALACHIA LLC		1698	1222
Antero Resources Corp.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1735	1264
William Michael McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1233
Marijo Robin Morris Marsh	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1174
Eva Marie Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	853
Sandra E. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1708	696
Lanette Higgins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1716	858
Cheri Lynn Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1034
Leslie Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1716	856
Marcia Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	974
Phillip Roger Slagle, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1030
Patricia Sandoval	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	130
Ora Lee Levy Trust c/o First Merchant's Bank, Andrew Weisenburger, Trustee	HG ENERGY II APPALACHIA LLC	Horizontal Unit Order	Docket 320	335
Lueva Lee Morris Shuman				
AIF Terri J. Jones	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	925
Patricia Y. Owens	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1239
Margaret E. Hugus	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	439
James Ivan McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1180
Betty Fridley	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1235
Patricia L. Turk Morris	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1717	40
Ginger C. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	923
Amy Louise Morris Wuest	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	365

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Amanda Jo Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1028
David Michael Bennett	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1227
Cheri L. Myron	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1034
Anita Douglas Bratko	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	553
Buene Ann Douglas Neel AKA Buine Ann Douglas by POA Kent Neel	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	155
Joe Ross Douglas	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	132
Anita Carol Snider Jarrett Douglass	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1053
Charles Lynn Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	310
Julie Ann Carder	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1307
JOHN R. MORRIS ET AL	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1113	1069
JACKSON L SMITH	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1107	356
JACKSON L SMITH	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1116	705
Pete Perri and Guy E. Morris, Jr., d/b/a C & P Oil & Gas Company	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1332	1019
Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1336	172
Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1336	175
Robert L. Matthey, Sr. and Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1351	1228
HMS RESOURCES INC	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1743	411
Pamela Peet	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1743	420
James Bradford Halcums	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1720	177
Billy L. Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1032
Ernest E. Carder, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	519
Lou Ann Baker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	441
Mary Jo Strong Short	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	758
Deidre L. Mason Brown	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	532
Joanne B. Penny	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1338
John Penny	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1721	790
Michelle Johnson, aka Jacqueline Michelle Johnson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	987
Priscilla Ann Shields	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	737
Karen Jo Ogradnick	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	785
Susan Pronchik	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	851
Kimberly Jo Griffith	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	150
Francis Winfield Hughes	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1184
Fred Keith Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	733
Helen L. Stout & David Lee Stout JTWROS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	785
Julia Ann Malone fka Julia Ann Carder nka Julie Ann Carder Young	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1307
Beverly T. Rose	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Teresa Rose Altridge	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
H. M. Burton "Helen"	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Paula Ashley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Lindsay Kay Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Geri Beth Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary Ellen Kraws (Kraus)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Clarence Lee Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Diana M. Esteve	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mark J. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Chad W. Johnson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
David L. Currey (Leslie K. Currey; guardian)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Ralph LaGatta, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Carmela Weber, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Michael LaGatta, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Trustees of the Francis J. LaGatta Revocable Trust, dated September 15, 2011, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Rita Jane Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mark Allen Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Amy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335

Timothy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Rita Jane Davis, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Erica Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mark Allen Williams, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Joel Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Justin Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
A. Morris Clemans UA Trust, Alan Clemans, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Robert W. Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Tonya Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Richard Charles Bennett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Wendy Marie Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary B. Ferguson Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
T. Ritson Ferguson III, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Julia Ann Malone fka Julia Ann Carder nka Julie Ann Carder Young	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Carl R. Lingerfelt	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Alan Clemans, Trustee of the A. Morris Clemans Testamentary Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary L. Morris Hurst	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Alice Jean Morris Kirkendall	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Wendy Marlene Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Lucille R. Taylor	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Jimmie Jo Douglas Smith	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Bruce I. MacNeill	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
NAJ, LLC, a West Virginia limited liability company	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Shirley J. Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Linda L. Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Joseph H. Mason	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Charles Anthony Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Scott Penny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
John C. Irvine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
James R. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Debbie Sallee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
DAVID RONALD NICHOLSON	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1506	895
KENNETH WADE NICHOLSON	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1506	900
MARGARET ANN BLATTLER ROSENECKER	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1506	905
RICHARD LEWIS NICHOLSON	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1507	685
SARA NELL STINNETT	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1507	695
MARY BETH HELMICK	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1507	709
NANCY L. BISSLER	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1513	556
HAROLD WADE NICHOLSON JR	ANTERO RESOURCES APPALACHIAN CORPORATION	NOT LESS THAN 1/8	1513	561
ANTERO RESOURCES APPALACHIAN CORPORATION	ANTERO RESOURCES CORPORATION	MERGER/NAME CHANGE	2	914
ANTERO RESOURCES CORPORATION	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1735	1264
JUDITH JENKINS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	782
PAMELA GRIFFITHS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	770
WILLIAM L DAWSON III	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	768
unknown heirs and assigns of Worthy O. Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown heirs and assigns of Esther B. Riley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown heirs and assigns of Rebecca M. Booth	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown heirs and assigns of Kate Lee Skidmore	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown heirs and assigns of John W. Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown beneficiaries under the will of Florence Estelle Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Bonnie L. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Noel Kent Dawson and Christine Dawson, JTWROS	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Noel Kent Dawson and Christine Dawson, JTWROS	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Noel Kent Dawson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Noel Kent Dawson and Christine Dawson, JTWROS	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335

Dawnleigh Helber	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Tyson J. Bissler	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Denise L. Bissler	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Patricia A. Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
David Ronald Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Sara Nell Stinnett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary Beth Helmick	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Kathy Elizabeth Nicholson Currey	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
John Christopher Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Judith Ann Sams Irrevocable Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Kenneth Wade Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Donna Mazzaresse fka Donna Wells	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Clarinda Vincent	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Margaret Ann Rosenecker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Delbert P. Blattler	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown heirs and assigns of Frank R. Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
unknown heirs and assigns of J. Frederick Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
James Bradford Halcums	HG ENERGY II APPALCHIA LLC	MINERAL DEED	1710	299
Robert Earl Halcums	HG ENERGY II APPALCHIA LLC	MINERAL DEED	1710	1
Carey Ann Ownby and Christopher Ownby, JTWROS	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1736	1023
James L. Collins and Joanne Collins, JTWROS	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	139
Krista Ownby-Duchane	HG ENERGY II APPALCHIA LLC	MINERAL DEED	1737	1052
Jessica Ownby	HG ENERGY II APPALCHIA LLC	MINERAL DEED	1737	787
Cody Ownby	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1736	776
Jennifer Collins	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	136
Jessica Collins-Guglielmo	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1738	381
Jason Collins	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1741	927
Peaceful Valley Donkey Rescue aka Peaceful Valley Donkey Sanctuary	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1736	781
Blount County Animal Center AKA Smoky Mountain Blount County Animal	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	152
Jann A. Claxton Patton	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1735	739
Kathryn M. Yurgaitis Hanus	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1739	487
Christine Simone Kelly FKA Christine Simone Yurgaitis	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1741	1092
Peter Phillip Yurgaitis	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1735	929
Stephen David Collier	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1736	1015
Susan Kathleen Collier Phillips	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1736	1019
Robert Ivan Preston	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1734	942
Gaye Charlene Wolf, aka Charlene Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	203
Ronald G. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1335
Mary Theresa Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1333
Mark B. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	484
Christopher Dulany, aka Christopher Dulaney	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	1050
Shannon Elizabeth Adkins fka Shannon E. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	1054
Ross D. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	488
Hannah M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	205
Derek T. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	587
Kyle S. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1734	946
Britney L. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1731	676
Marci L. Ward, aka Marci Ward McClain, nka Marci L. Perry	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1732	524
Rachael A. Ward, aka Rachael A. Ward Tucker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1731	678
Nathaniel B. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1735	71
Mathew R. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	207
Christina V. Ward, aka Christina V. Ward Burris	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	486
James T. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1732	526
John C. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1732	787
Timothy M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	1052
Wrightsdale Baptist Church	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	784

Robert H. Arthur	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	142
Dawn D. Arthur-Grossman	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1735	926
Robert H. Arthur	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	142
Dawn D. Arthur-Grossman	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1735	926
Gaye Charlene Wolf, aka Charlene Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	203
Ronald G. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1335
Mary Theresa Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1333
Mark B. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	484
Christopher Dulany, aka Christopher Dulaney	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	1050
Shannon Elizabeth Adkins fka Shannon E. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	1054
Ross D. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	488
Hannah M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	205
Derek T. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	587
Kyle S. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1734	946
Britney L. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1731	676
Marci L. Ward, aka Marci Ward McClain, nka Marci L. Perry	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1732	524
Rachael A. Ward, aka Rachael A. Ward Tucker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1731	678
Nathaniel B. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1735	71
Mathew R. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	207
Christina V. Ward, aka Christina V. Ward Burris	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	486
James T. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1732	526
John C. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1732	787
Timothy M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1730	1052
Wrightsdale Baptist Church	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	784
Roger D. Parker, Trustee of the Melba Murphy Living Trust, dated June 24th, 2004, as amended July 2nd, 2013	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1346
Roger D. Parker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1738	375
Michael K. Parker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1738	379
Deborah P. Gray	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1741	938
Angela M. Fowler	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1741	936
Beverly Massey Foti	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1739	1096
Beverly Massey Foti	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1096
The Melba Murphy Living Trust				
Roger D. Parker, Trustee	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1729	1346
Jason P. Yorty	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1737	778
Roger D. Parker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1738	375
Michael K. Parker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1738	379
Deborah P. Gray	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1741	938
Angela M. Fowler	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8	1741	936
Nancy C. Maxwell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Janet C. Godwin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Rebecca Ann Clemans, a/k/a, Rebecca Ann Clemans Poggie	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Justin L. Richter	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Lorene C. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
D.E.L.T.A. Rescue, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Northshore Animal League	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
ASPCA	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Guiding Eyes for the Blind, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Save the Chimps, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
St. Jude's Children Hospital	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Vested Interest in K-9's, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mutts with a Mission	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Jessica Anne Collier	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Heirs of Ruth Bernice Clemans Hamilton	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Duff Street Methodist Church, fka Duff Street Evangelical United Brethern Church	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Clarence Edwin Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335

			Jody A. Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Julie Elizabeth Butzine (=19/420) 0.045238	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Karen Elizabeth Rodoni	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Kent Ward Butzine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Jody A. Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Clarence Edwin Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Julia Butzine, aka Julia Ward, aka Julia Elizabeth Butzine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Virginia R. Thompson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Susan Foerster	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Laurie Thiemann	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Patrick Yorty	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Alex B. Yorty	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Marjorie Piepho	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Marcia J. Lammlein	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Lorene C. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Janet C. Godwin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Nancy C. Maxwell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Rebecca Ann Clemans, a/k/a, Rebecca Ann Clemans Poggie	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Justin L. Richter	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Barbara Shavatt	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1099
			James David Cox	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1097
			Monte Shrader	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1096
			Lou Ann Baker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1090
			Mary Jo Short aka Mary Jo Coffindaffer Short	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	585
			Ernest E. Carder, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	523
			Joseph William Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	261
			John Alan Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	263
			Barbara Shavatt	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1099
			Monte Shrader	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1096
			James David Cox	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1097
			Michael David Richards	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	521
			Deborah Friend	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	527
			Shelby Jean Holifield	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	533
			Fred M. Walker Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	529
			Mark Edward Walker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	525
			Jennifer Markos	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1088
			Pamela Walker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	531
			Ernest E. Carder, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	523
			Garnett L. Coffindaffer AKA Gary Coffindaffer akia Garnett Leo Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	589
			John Alan Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	263
			Joseph William Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	261
			Lou Ann Baker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1090
			Mary Jo Short aka Mary Jo Coffindaffer Short	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	585
			Billy L. Coffindaffer	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	743
			Billy L. Coffindaffer by Ernest Coffindaffer Power of Attorney	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Linda Lou Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Shirley Jean Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Robert Lee Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Garnett L. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Suzanne Bowles fka Susanne Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Mary E. Feltis fka Mary Ellen Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Pamela Myers	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Donald Y Richards Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
			Barbara Lynn Ktout	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335

Drew Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Jeff Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Kenneth Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
The Unknown Heirs of William Harold Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Unknown Heirs and Assigns of Fred M. Walker, Sr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Unknown Heirs and Assigns of Jack Worthy Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Shirley J. Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Linda Lou Burch AKA Linda Lou Carder Birch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Suzanne Coffindaffer Bowles AKA Susanne Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Mary E. Fellis fka Mary Ellen Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Unknown Heirs of Sidney Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Christian Apostolic Church by Pastor Douglas Joseph, Chairman and President	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Suzanne Carrico	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
John Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Julie Ann Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Matthew Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Roy Todd II	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Julie Ann Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Suzanne T. Carrico	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
John A. Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Roy D. Todd II aka Roy D. Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335
Matthew W. Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	335



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

July 27, 2023

*Ch # 36647
7500*

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

RE: Vaneck 1215 N-4H Drill Permit Revision Request – (47-041-05735)
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, AOR and WW-6A1) and a check for expedited service for the 1215 N-4H well work permit revision request. We ask the permit be modified due to additional leases acquired resulting in extended total measured depth and horizontal leg for the specified 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 White

Diane C. White

Enclosures

cc: Ken Greynolds – WV DEP State Inspector

RECEIVED
Office of Oil and Gas
AUG 11 2023
WV Department of
Environmental Protection

08/25/2023