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west virginia department of environmental protection

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

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

Monday, 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-5H  
47-041-05736-00-00

**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-5H  
Farm Name: HG ENERGY II APPALACHIA, LLC  
U.S. WELL NUMBER: 47-041-05736-00-00  
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-5H ✓ 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: 28,541' ✓

11) Proposed Horizontal Leg Length: 20,372' ✓

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)

**4704105736**  
 API NO. 47- 041 - 05736  
 OPERATOR WELL NO. Vaneck 1215 N-5H  
 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	6030'	6030' ✓	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	28541'	28541' ✓	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 OU = Oil and Gas  
 Date: 2023.08.03 08:13:26 -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	Load 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750		Type 1/Class A	Load 40% excess, Tail 0% Excess
Production	5 1/2"	8 1/2"	.415	16240	12500 ✓	Type 1/Class A	20% excess yield = 1.10, tail yield 1.24
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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WW-6B  
(10/14)

4704105736  
API NO. 47-041 - 05736  
OPERATOR WELL NO. Vaneck 1215 N-5H  
Well Pad Name: Vaneck 1215

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 20,372' lateral length, 28,541' 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 - \*15.8 ppg PNE-1 + 3% bwoc CaCl40% ExcessYield=1.20 / CTS\*  
Intermediate 1 - \*\*\*\* Storage String \*\*\*\* CTS \*\*\*15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per BGL ComNET\* - 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)B180A - 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% ExcessLead 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.

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\*\*\* Storage String \*\*\* CTS \*\*\*  
 15.4 ppg Lead - Yield 1.24 - D896 Surface Sat 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 (VWOB Anti Foam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per BBL Cement\*) - 60% Excess  
 15.9 ppg Tail - Yield 1.17 - D896 Surface Sat 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

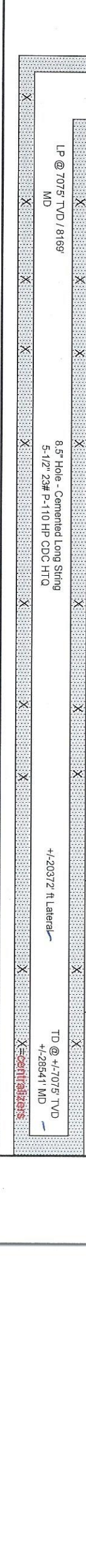
1215 N-5H  
 Marcellus Shale Horizontal  
 Lewis County, WV



Ground Elevation	1254.8'	1215 N-5H SHL	14205564.01N 1768702.44E
	340.678'	1215 N-5H LP	14206615.7N 1770415.64E
		1215 N-5H BHL	14225811.85N 1763632.45E

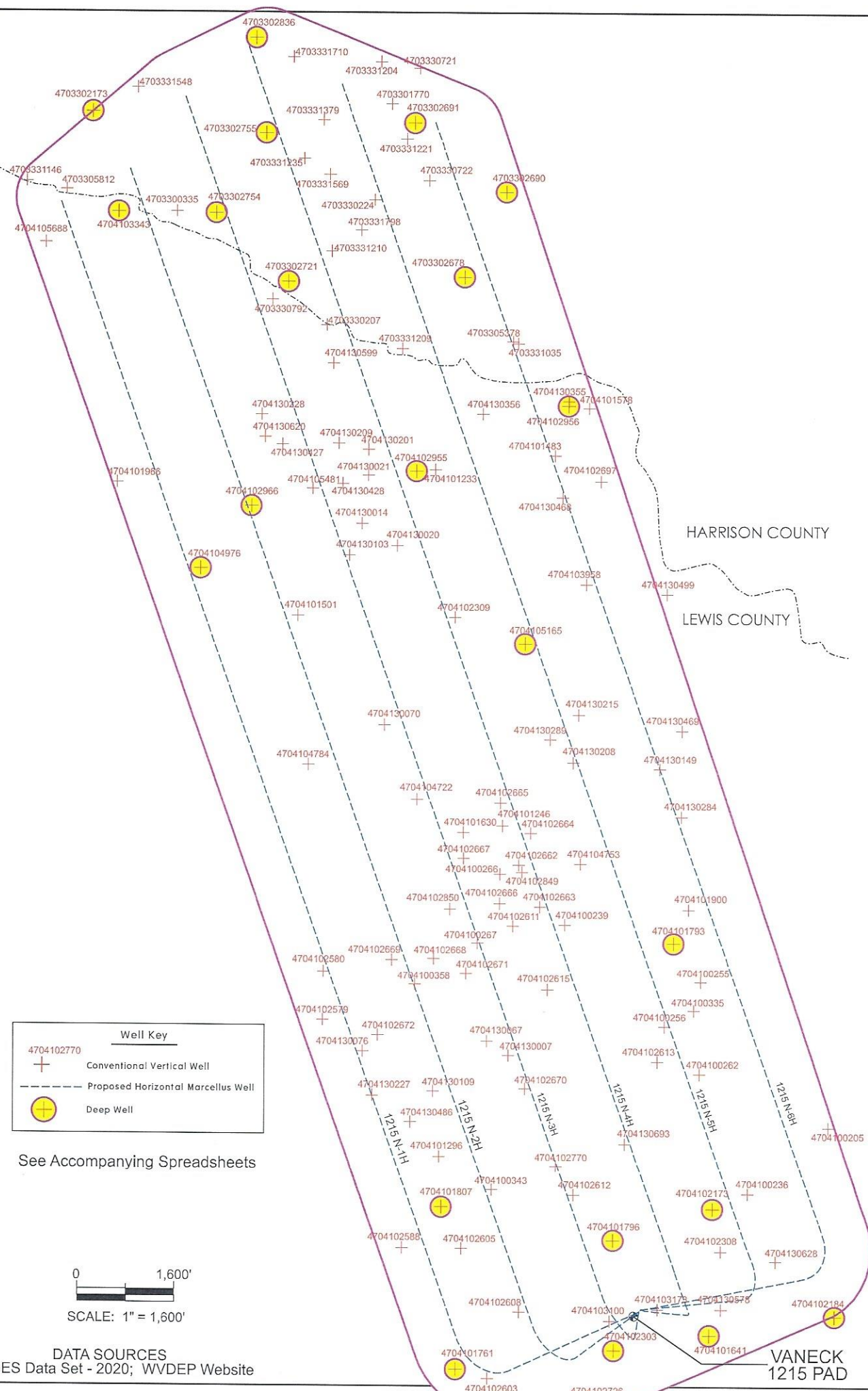
WELLBORE DIAGRAM

HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
30"	30" 157.5# LS	Conductor	0	120	AIR	N/A. Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness
26"	20" 94# J-55	Fresh Water	0	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	900	905					
17.5"	13.3/8" 69# J-55 BTC	Fresh Water Protection	0	1200	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
		Little Lime	1694	1714					
		Big Lime	1741	1818					
		Injur / Ganic (Storage)	1818 / 2073	1904 / 2125					
12.25"	9.5/8" 40# N-80 BTC	Intermediate 1	0	2250	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' from surface	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=5750 psi
		Thirty Foot	2274	2286					
		Gordon Stray / Gordon	2320 / 2346	2336 / 2446					
		5th Sand	2390	2612					
		Bayard	2660	2675					
		Speechley	3287	3301					
		Benson	4599	4615					
		Alexander / Elk	4930 / 5540	5100 / 5600					
		Intermediate 2	0	TVD: 5650' MD: 6030' Incg 31 den.					
		8.75"	5-1/2" 23# P-110 HP CDC HTQ	Rhinestreet					
Cashagua	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)	28541			7075					
Onondaga	7088								



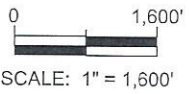
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Well Key	
+	Conventional Vertical Well
- - -	Proposed Horizontal Marcellus Well
⊕	Deep Well

See Accompanying Spreadsheets



DATA SOURCES  
WVGES Data Set - 2020; WVDEP Website

VANECK  
1215 PAD

Area of Review for:

**VANECK 1215 NORTH UNIT**

- Proposed 1215 N-1H
- Proposed 1215 N-2H
- Proposed 1215 N-3H
- Proposed 1215 N-4H
- Proposed 1215 N-5H
- Proposed 1215 N-6H

HG ENERGY, II APPALACHIA, LLC  
5260 DuPont Road, Parkersburg, WV 26101

08/25/2023



Freeman's Creek District, Lewis County, W.Va.  
& Union District, Harrison County, W.Va.

12/05/2022

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**

08/25/2023

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	39.166972	-80.574796
2	4703301770	Harrison	J D Hitt	Core Solutions LLC	Gordon Stray	Oil and Gas	2666	ACTIVE	39.171440	-80.561419
3	4703302173	Harrison	J&D Dellabrida	Braxton Oil & Gas Co.	Alexander	Gas	5627	Abandoned	39.171520	-80.579681
4	4703302678	Harrison	K W Coffindaffer	Tennmile Land, LLC	Alexander	House Gas	5550	ABANDONED	39.169380	-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	Tennmile Land, LLC	Alexander	Gas	5081	ACTIVE	39.163785	-80.568309
8	4703302754	Harrison	Robert B Weiman	Tennmile Land, LLC	Alexander	Oil and Gas	5389	ACTIVE	39.166893	-80.572517
9	4703302755	Harrison	Robert B Weiman	Tennmile Land, LLC	Alexander	Oil and Gas	5520	ACTIVE	39.170525	-80.569613
10	4703305378	Harrison	Robert B Weiman	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	not available	-	UNKNOWN	39.167992	-80.581201
12	4703330207	Harrison	Harvey Morris	South Penn Oil Co.	Hampshire Grp	Oil	3021	PLUGGED	39.161822	-80.566082
13	4703330224	Harrison	Luetta Bowen	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil and Gas	2707	PLUGGED	39.167494	-80.563286
14	4703330721	Harrison	A. A. Bailey	South Penn Oil (S. Penn Nat. Gas)	Gordon	Oil and Gas	2690	PLUGGED	39.173444	-80.560678
15	4703330722	Harrison	Howard Marts	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2598	PLUGGED	39.168364	-80.560118
16	4703330792	Harrison	J B Coffindaffer	Hope Natural Gas Company	Hampshire Grp	Gas	2857	PLUGGED	39.162983	-80.569250
17	4703331035	Harrison	William Moses	Moses, William	Gordon Stray	Oil	2660	PLUGGED	39.160956	-80.555326
18	4703331146	Harrison	G N Simons	Hope Natural Gas Company	Hampshire Grp	Gas	2827	PLUGGED	39.168364	-80.583525
19	4703331204	Harrison	A A Bailey	Bradford Supply Co.	Hampshire Grp	Oil	2714	PLUGGED	39.173735	-80.562914
20	4703331209	Harrison	Tillman Clemens	Bradford Supply Co.	Gordon	Oil	2592	PLUGGED	39.160742	-80.561692
21	4703331210	Harrison	J B Coffindaffer	Bradford Supply Co.	Gordon Stray	Oil	2775	PLUGGED	39.165157	-80.565792
22	4703331221	Harrison	Mollie Marts	Bradford Supply Co.	Hampshire Grp	Oil	2686	PLUGGED	39.170252	-80.561423
23	4703331235	Harrison	Minerva Walker	Bradford Supply Co.	Gordon Stray	Gas	2778	PLUGGED	39.169381	-80.567386
24	4703331379	Harrison	J D Hitt	Bradford Supply Co.	Hampshire Grp	Oil	2787	PLUGGED	39.171122	-80.566268
25	4703331548	Harrison	R T Lowndes	Hope Natural Gas Company	Hampshire Grp	Gas	2933	PLUGGED	39.172603	-80.577069
26	4703331569	Harrison	Goynor Wise	Moses, William	Gordon Stray	Gas	2778	PLUGGED	39.168655	-80.565895
27	4703331710	Harrison	Homer Hitt	Oper in Min. owner fld,no code assgn(Orphan well pr	Hampshire Grp	Gas	3028	PLUGGED	39.173954	-80.568006
28	4703331798	Harrison	Burgess Morris	Jackson, Richard C.	UNKNOWN	not available	-	PLUGGED	39.166104	-80.564061
29	4704100013	Lewis	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							
30	4704100205	Lewis	Flossie Riley	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2361	ACTIVE	39.125388	-80.536900
31	4704100236	Lewis	F B Riley	Dominion Energy Transmission, Inc.	Gantz	Storage	2110	ACTIVE	39.122361	-80.541592
32	4704100239	Lewis	George C Francis	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

35	4704100262	Lewis	Olive Thoms	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	2370	ACTIVE	39.127825	-80.544402
36	4704100266	Lewis	L E Gall	Hope Natural Gas Company	Gantz	Storage	2346	PLUGGED	39.136916	-80.555985
37	4704100267	Lewis	L E Gall	Dominion Energy Transmission, Inc.	Gantz	Storage	2240	ACTIVE	39.133806	-80.557303
38	4704100335	Lewis	J T Bailey	Hope Natural Gas Company	Up Devonian	Storage	2341	PLUGGED	39.130708	-80.544729
39	4704100343	Lewis	E Haney	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2312	ACTIVE	39.122577	-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	UNKNOW	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.	UNKNOW	Storage	-	ACTIVE	39.130324	-80.566303
61	4704102580	Lewis	J R H Straley	Eastern Gas Transmission & Storage, Inc.	UNKNOW	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.	UNKNOW	Storage	-	ACTIVE	39.114018	-80.556711
64	4704102605	Lewis	T J Halterman	Eastern Gas Transmission & Storage, Inc.	UNKNOW	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	-	ABANDONED	39.137318	-80.554891
71	4704102663	Lewis	Francis M McKinley	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.135429	-80.553660

08/25/2023



72	4704102664	Lewis	Francis M McKinley	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.138756	-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	39.135588	-80.556008
75	4704102667	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.137632	-80.558097
76	4704102668	Lewis	L E Gall	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.133099	-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	Fuhrarty Enterprises, Inc.	UNKNOWN	not available	-	XABANDONED	39.154720	-80.550106
82	4704102726	Lewis	E W Wagoner	UNKNOWN	Hampshire Grp	Gas	2435	PLUGGED	39.113030	-80.551358
83	4704102770	Lewis	Sheldon Winter	Dominion Energy Transmission, Inc.	undetermined unit	Storage	2232	ACTIVE	39.123651	-80.552733
84	4704102836	Harrison	Robert B Weiman	Tennile 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	39.137362	-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 Furley	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

08/25/2023

109	4704130109	Lewis	F M McKinley	Federal Oil Co.	UNKNOWN	not available	not available	2909	PLUGGED	39.127065	-80.559901
110	4704130149	Lewis	F M McKinley	Douglas, Septer. W.	not available	not available	not available	-	PLUGGED	39.141666	-80.546698
111	4704130201	Lewis	J L Freeman	UNKNOWN	not available	not available	not available	-	PLUGGED	39.156171	-80.563649
112	4704130208	Lewis	Enn Bailey	Atha Supply Company	not available	not available	not available	-	PLUGGED	39.141956	-80.551726
113	4704130209	Lewis	Jacob L Freeman Bros	South Penn Oil Co.	Gordon Stray	Oil and Gas	Oil and Gas	2580	PLUGGED	39.156466	-80.565381
114	4704130215	Lewis	Lelia Grace	South Penn Oil Co.	Hampshire Grp	Oil	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	Oil and Gas	2932	PLUGGED	39.126897	-80.563418
116	4704130228	Lewis	Chas A Coffindaffer	South Penn Oil Co.	Gordon	Oil	Oil	2736	PLUGGED	39.157765	-80.569853
117	4704130284	Lewis	Francis M McKinley	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	Oil and Gas	2821	PLUGGED	39.139493	-80.545440
118	4704130289	Lewis	John S Burnside	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	Oil and Gas	2818	PLUGGED	39.143008	-80.553062
119	4704130355	Lewis	William Moses	Moses, William	Fifth	Oil	Oil	2806	PLUGGED	39.158346	-80.551972
120	4704130356	Lewis	William Moses	Moses, William	Gordon Stray	Oil	Oil	2805	PLUGGED	39.157765	-80.557000
121	4704130427	Lewis	Mrs Alona May Lowman	Bradford Supply Co.	Gordon Stray	Gas	Gas	2702	PLUGGED	39.156412	-80.568647
122	4704130428	Lewis	Mrs Alona May Lowman	Bradford Supply Co.	Gordon Stray	Oil	Oil	2594	PLUGGED	39.154630	-80.565145
123	4704130468	Lewis	J A Fox	Bradford Supply Co.	Hampshire Grp	Gas	Gas	2850	PLUGGED	39.153995	-80.552341
124	4704130469	Lewis	Alice White	Bradford Supply Co.	Hampshire Grp	Oil	Oil	2850	PLUGGED	39.143409	-80.545395
125	4704130486	Lewis	Serepta Nutter	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	Oil	2914	PLUGGED	39.125691	-80.561211
126	4704130499	Lewis	J A Fox	South Penn Oil Co.	Hampshire Grp	Oil	Oil	2793	PLUGGED	39.149595	-80.546272
127	4704130578	Lewis	Fortunatus White	Hope Natural Gas Company	Hampshire Grp	Gas	Gas	2602	PLUGGED	39.117115	-80.543159
128	4704130599	Lewis	U A Morris	Bradford Supply Co.	Gordon Stray	Oil	Oil	2707	PLUGGED	39.160086	-80.565700
129	4704130620	Lewis	J L Freeman	Hal Pack & Company	Hampshire Grp	Oil	Oil	2619	PLUGGED	39.156750	-80.569666
130	4704130628	Lewis	Fortunatus White	Hope Natural Gas Company	not available	not available	not available	2702	not available	39.119287	-80.539976
131	4704130693	Lewis	Shelton Minter Hrs	Hope Natural Gas Company	Hampshire Grp	Gas	Gas	2594	PLUGGED	39.124656	-80.548745

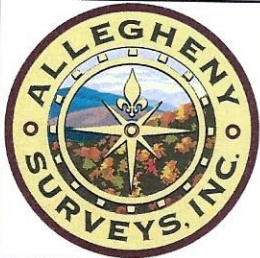
08/25/2023

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

UPDATED 12/5/2022

YELLOW DENOTES WELL WITH TVD > 4,500' DENOTES SURVEYED WELL COORDINATES

HG Energy II Appalachia, LLC  
Well No. Vaneck 1215 N-5H MOD



Page 1 of 3

**Notes:**  
Well No. Vaneck 1215 N-5H  
UTM NAD 1983 (USSF)  
Top Hole Coordinates  
N: 14,205,564.01'  
E: 1,768,702.44'  
Landing Point Coordinates  
N: 14,206,615.70'  
E: 1,770,415.64'  
Bottom Hole Coordinates  
N: 14,225,811.85'  
E: 1,763,632.45'

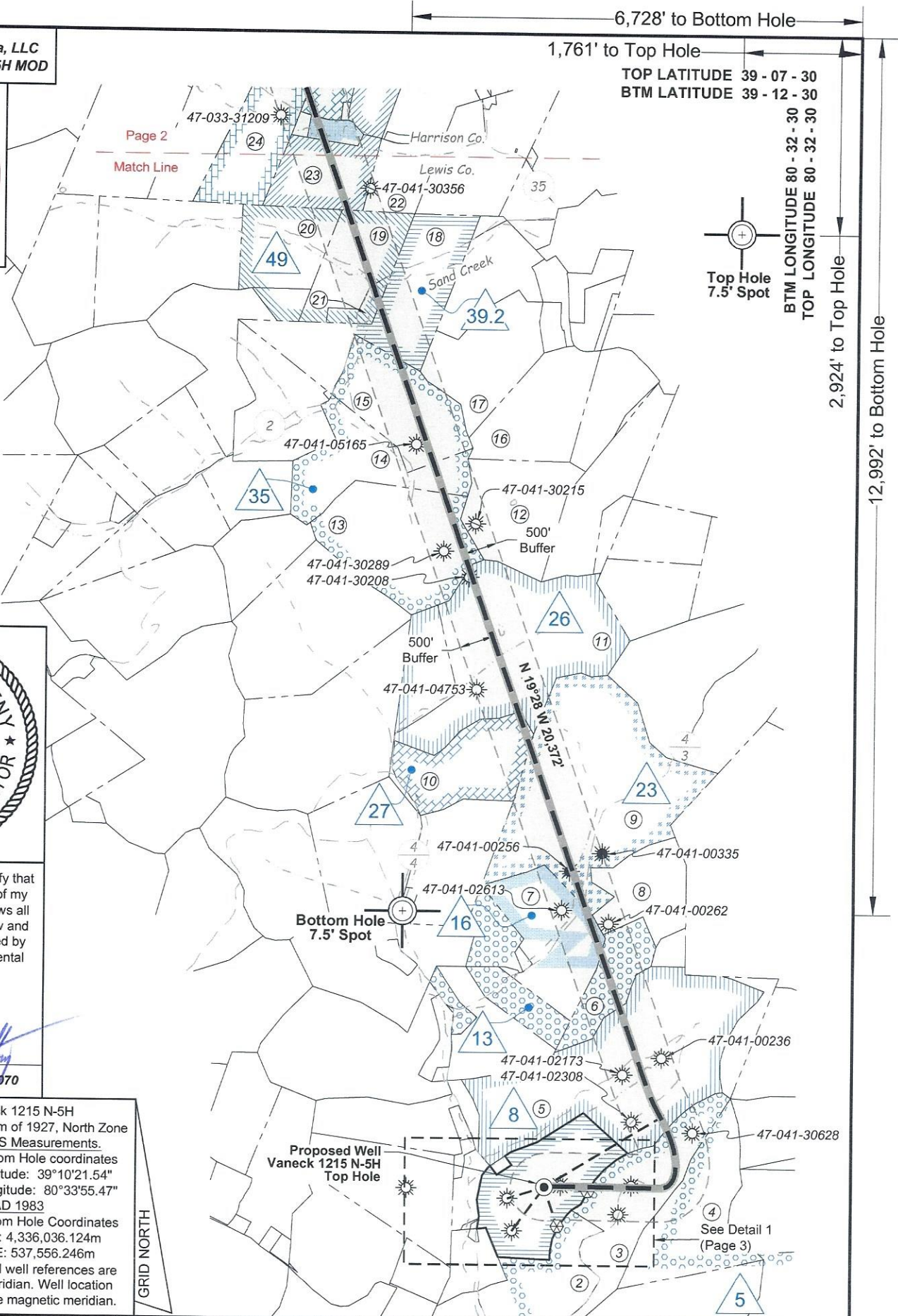


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

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

**Notes:** Well No. Vaneck 1215 N-5H  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Top Hole coordinates    Bottom Hole coordinates  
Latitude: 39°07'01.09"    Latitude: 39°10'21.54"  
Longitude: 80°32'52.35"    Longitude: 80°33'55.47"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates    Bottom Hole Coordinates  
N: 4,329,864.570m    N: 4,336,036.124m  
E: 539,101.582m    E: 537,556.246m  
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

GRID NORTH



FILE NO: 156-36-UFC-20  
DRAWING NO: Vaneck 1215 N-5H MOD 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

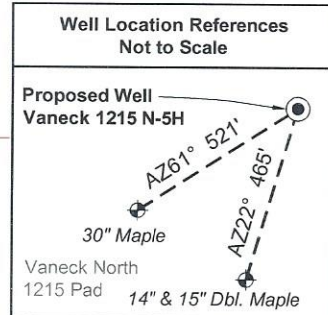
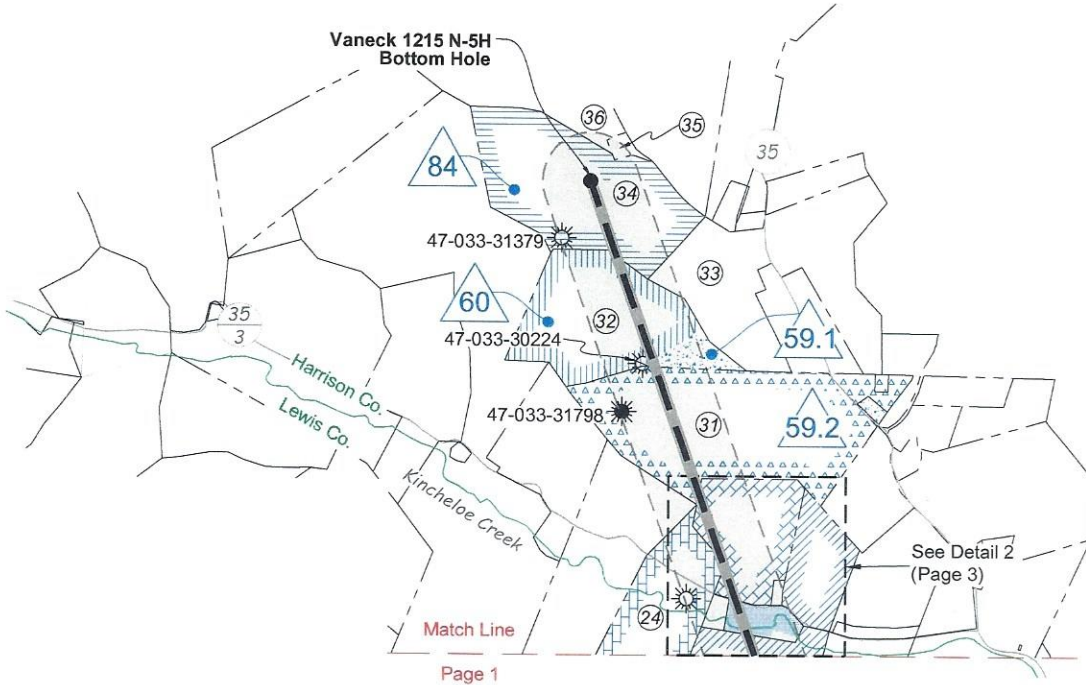
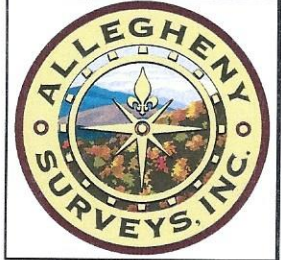
DATE: February 28 2023  
OPERATOR'S WELL NO. Vaneck 1215 N-5H MOD  
API WELL NO  
47 - 041 - 05736  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1254.8'    WATERSHED: Middle West Fork Creek    QUADRANGLE: Btm: Big Isaac Top: Camden  
DISTRICT: Freemans Creek    COUNTY: Lewis  
SURFACE OWNER: HG Energy II, Appalachia, LLC, et al    ACREAGE: 55.00  
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: 7,075' TVD 28,542' 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

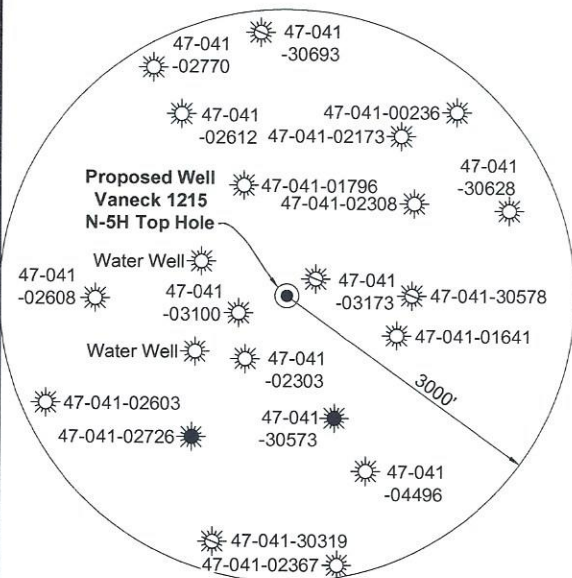


Tag	Bearing	Dist.	Description
L1	N 84°56' W	643.4'	1/2" Rebar
L2	N 18°25' W	612.5'	1/2" Rebar
L3	N 35°52' E	806.6'	47-041-02303
L4	N 72°31' E	571.6'	47-041-03100
L5	N 58°27' E	2,010.3'	Landing point

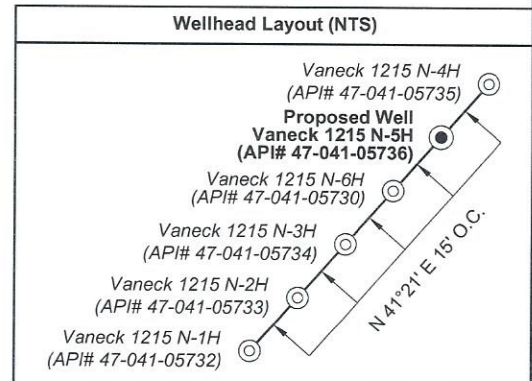
ID	Lease
1	George W. Waggoner, et ux
5	F. White
8	Fielding B. Riley, et al
13	South Penn Natural Gas Co., et al
16	Caroline Minter
23	George I. Davison, et al
26	Francis M. McKinley, et ux
27	C. Francis, et al
35	J.S. Burnside, et ux
39.2	Dovener C. Burnside, et ux
45	Albert L. Lewis
49	Ethel F. Curry, et vir, et al
56	James B. Halcums
57	James B. Halcums
59.1	Christopher D. & Nikki B. Curry, JTWROS
59.2	Christopher D. & Nikki B. Curry, JTWROS
60	Barbara Shavatt
72	James B. Halcums
84	Angeline Hitt, et vir

**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.



FILE NO: 156-36-UFC-20  
DRAWING NO: Vaneck 1215 N-5H MOD 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-5H MOD  
API WELL NO  
47 - 041 - 05736  
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

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

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

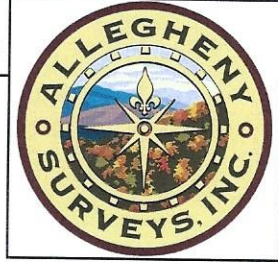
LEASE NO: \_\_\_\_\_ ACREAGE: 56.00

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ BH-MOD

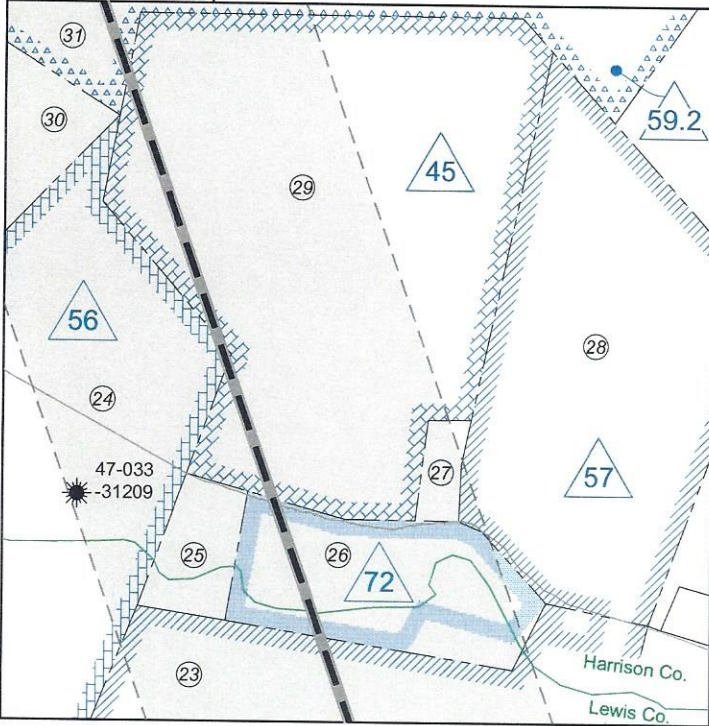
PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,075' TVD 28,542' MD

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

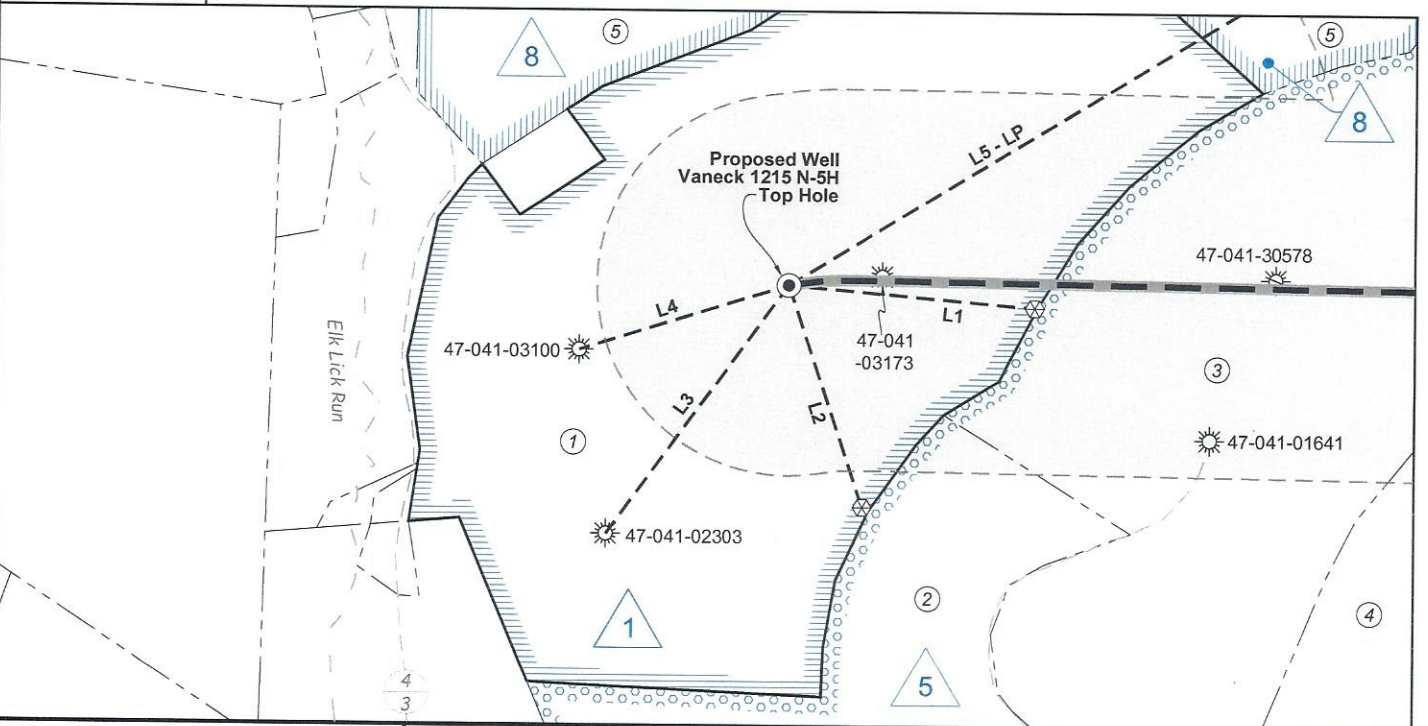
DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101



Detail 2 (1"=500')



Detail 1 (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 / 22	Linda Lou Waggoner	W33 / 157	57.76
5	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
6	5C / 55	Debora Burnside Garrett, et al	WB R / 525	25.00
7	5B / 15	Edward E. Garrett, et al	429 / 245	53.40
8	5B / 19	Theodore J. & Jacqueline Riley	578 / 99	35.00
9	5B / 21	Theodore J. & Jacqueline Riley	467 / 254	140.00
10	5B / 23	Christopher G. Duerr	594 / 666	40.00
11	5B / 25.1	Jeffrey P. & Anessa E. Griffith	745 / 338	118.29
12	5B / 26	Dawna J. Burnside	762 / 219	52.00
13	5B / 3	Jeffrey P. & Anessa E. Griffith	653 / 168	74.00
14	5B / 1	Jeffrey P. & Anessa E. Griffith	692 / 498	49.25
15	5A / 5	Jeffrey P. & Anessa E. Griffith	653 / 165	51.25
16	5A / 12	Jeffrey P. & Anessa E. Griffith	745 / 162	47.84
17	5A / 12.1	Jeffrey P. & Anessa E. Griffith	745 / 162	47.84
18	5A / 6	Jeffrey P. & Anessa E. Griffith	692 / 498	78.00
19	5A / 2	Jerry Tomes	W17 / 336	42.00
20	4A / 35	Jerry Tomes	W17 / 336	34.00
21	5A / 2.1	Wilson L. Zimmerman	702 / 556	6.00

Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
22	421 / 36	Sterling & Sheila Smith	1416 / 875	23.00
23	421 / 35	Marion Dougherty	1464 / 1331	34.00
24	421 / 30	John T. & Stephanie J. Sowell	1261 / 1129	42.80
25	421 / 33	Melissa D. Callihan	W190 / 798	1.60
26	421 / 34	Melissa D. Callihan	W190 / 798	6.00
27	421 / 32	Dennis L. Taylor Sr. Estate	F102 / 779	0.60
28	421 / 37	Ray Moser Jr.	1291 / 1136	23.00
29	421 / 31	Albert L. Lewis	1294 / 989	26.00
30	421 / 29	John T. & Stephanie J. Sowell	1261 / 1129	51.27
31	421 / 11.2	Christopher D. & Nikki B. Curry	1616 / 417	70.00
32	421 / 10	Christopher D. & Nikki B. Curry	1616 / 417	46.00
33	421 / 13	Burl L. Post & Susan L. Carr	1356 / 775	59.21
34	421 / 9	Jeff Burnside	1345 / 957	52.20
35	401 / 10.1	Timmy L. & Holly L. Dollman	1377 / 1278	1.39
36	401 / 10	Jeff Burnside	1345 / 957	44.77

FILE NO: 156-36-UFC-20  
DRAWING NO: Vaneck 1215 N-5H MOD 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-5H MOD  
API WELL NO  
47 - 041 - 05736  
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

Btm: Big Isaac  
QUADRANGLE: Top: Camden  
COUNTY: Lewis

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

ACREAGE: 55.00  
08/25/2023

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: 28,542' 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

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

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

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

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

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

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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-5H Lease Chain

08/25/2023

LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
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		
	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE		
	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		
	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	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
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		
	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE		
	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		
	DOMINION ENERGY TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE		

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

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13

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 & GREED 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	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	294	89	
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	425	127	
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154	
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57	
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848	
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1	
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170	
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220	

08/25/2023

16

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	

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	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	116	185
	EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	146	192
	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	94	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	
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	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	
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	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	172	30
	HOPE NATURAL GAS SUPPLY CORPORATION	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	
	DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	MEMORANDUM OF FARMOUT AGREEMENT	672	154
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
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	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	717	1
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	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	C. FRANCIS AND GEO. C. FRANCIS	E. W. BOYD	NOT LESS THAN 1/8	35	219
	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

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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	25	379
THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	25	371
PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	16	185
EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	46	192
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	94	89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
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DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
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DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
F. M. MCKINLEY AND M. E. MCKINLEY, HIS WIFE	J. M. GUFFEY AND JOHN H. GALEY	NOT LESS THAN 1/8	44	194
J. M. GUFFEY AND JOHN H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	73	318
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
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DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
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

26

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E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	369

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Q100378000	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	HOPE NATURAL GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
	HOPE NATURAL GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	425	127
	CONSOLIDATED GAS SUPPLY CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
	CNG 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	FARMOUT AGREEMENT	736	220	
DOVENER C. BURNSIDE AND DORTHA M. BURNSIDE	HOPE NATURAL GAS COMPANY	ASSIGNMENT (88%)	238	431	
DOVENER C. BURNSIDE AND DORTHA M. BURNSIDE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	237	134	
HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	237	134	
HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	294	89	
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	425	127	
CONSOLIDATED GAS SUPPLY CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	ASSIGNMENT	658	715	
CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	776	976	
ETHHEL 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	
H. O. CURRY, HER HUSBAND	PIONEER PETROLEUM INC	ASSIGNMENT	388	431	
PIONEER PETROLEUM INC	E. DAVISSON HARDMAN	ASSIGNMENT	387	623	
E. DAVISSON HARDMAN	J. ROBERT HORNOR	ASSIGNMENT	389	450	
J. ROBERT HORNOR	STONEWALL GAS COMPANY	ASSIGNMENT	389	450	
STONEWALL GAS COMPANY	STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE INCLUDING STONEWALL GAS COMPANY, AND MOUNTAIN GAS 80-2	AGREEMENT AND ASSIGNMENT	389	445	
STONEWALL GAS COMPANY	STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE, AND MOUNTAIN GAS 80-2, ET AL	PARTIAL ASSIGNMENT	517	531	
STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE, AND MOUNTAIN GAS 80-2, ET AL	STONEWALL 80-2 JOINT VENTURE, A JOINT VENTURE, AND MOUNTAIN GAS 80-2, ET AL	PARTIAL ASSIGNMENT	517	517	

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MOUNTAIN INCOME LIMITED PARTNERSHIP, ET AL	STONEMALL GAS COMPANY	PARTIAL ASSIGNMENT	1732	724
MOUNTAIN INCOME LIMITED PARTNERSHIP, ET AL	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES LLC	PARTIAL ASSIGNMENT	1733	604
STONEMALL GAS COMPANY	DOMINION APPALACHIAN DEVELOPMENT INC	MERGER/NAME CHANGE	1755	1086
DOMINION APPALACHIAN DEVELOPMENT INC	DOMINION APPALACHIAN DEVELOPMENT LLC	MERGER/NAME CHANGE	1710	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 RESERVES INC	MERGER/NAME CHANGE	9	471
CONSOL GAS APPALACHIAN DEVELOPMENT LLC	CONSOL GAS COMPANY	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
Albert L. Lewis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1752	749
James Bradford Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1710	299
Robert Earl Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1710	1
Carey Ann Ownby and Christopher Ownby, JTWROS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1023
James L. Collins and Joanne Collins, JTWROS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	139
Krista Ownby-Duchane	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1737	1052
Jessica Ownby	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1737	787
Cody Ownby	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	776
Jennifer Collins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	136
Jessica Collins-Guglielmo	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738	381
Jason Collins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	927
Peaceful Valley Donkey Rescue aka Peaceful Valley Donkey Sanctuary by	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	781
Blount County Animal Center AKA Smoky Mountain Blount County Anim	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	152
Jann A. Claxton Patton	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	739
Kathryn M. Yurgaitis Hanus	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	487
Christine Simone Kelly FKA Christine Simone Yurgaitis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1092
Peter Phillip Yurgaitis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	929
Stephen David Collier	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1015
Susan Kathleen Collier Phillips	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1019
Robert Ivan Preston	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	942
Gaye Charlene Wolf, aka Charlene Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	203
Ronald G. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1335
Mary Theresa Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1333
Mark B. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	484
Christopher Dulany, aka Christopher Dulaney	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1050
Shannon Elizabeth Adkins fka Shannon E. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1054
Ross D. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	488
Hannah M. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	205
Derek T. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	587
Kyle S. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	946
Britney L. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1731	676
Marci L. Ward, aka Marci Ward McClain, nka Marci L. Perry	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	524

08/21/2023

56

45

Rachael A. Ward, aka Rachael A. Ward Tucker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		2031	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		1530	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		1730	787
Timothy M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	1052
Wrightsedale 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
Dawn D. Arthur-Grossman	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1737	142
Gaye Charlene Wolf, aka Charlene Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	926
Ronald G. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1729	203
Mary Theresa Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1729	1335
Mark B. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	1333
Christopher Dulany, aka Christopher Dulaney	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	484
Shannon Elizabeth Adkins fka Shannon E. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	1050
Ross D. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	1054
Hannah M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	488
Derek T. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	205
Kyle S. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1737	587
Britney L. Wolf	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1734	946
Marci L. Ward, aka Marci Ward McClain, nka Marci L. Perry	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1731	676
Rachael A. Ward, aka Rachael A. Ward Tucker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1732	524
Nathaniel B. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1731	678
Mathew R. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1735	71
Christina V. Ward, aka Christina V. Ward Burris	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	207
James T. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	486
John C. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1732	526
Timothy M. Ward	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1732	787
Wrightsedale Baptist Church	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1730	1052
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		1737	784
Roger D. Parker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1729	1346
Michael K. Parker	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1738	375
Deborah P. Gray	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1738	379
Angela M. Fowler	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1741	938
Beverly Massey Foti	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
The Melba Murphy Living Trust	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1729	1096
Roger D. Parker, Trustee	HG ENERGY II APPALCHIA LLC	NOT LESS THAN 1/8		1729	1346

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08/11/2023

Iason P. Yorty	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	Horizontal Unit Order	Docket 320	778
Roger D. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	Horizontal Unit Order	Docket 320	375
Michael K. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	Horizontal Unit Order	Docket 320	379
Deborah P. Gray	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	Horizontal Unit Order	Docket 320	938
Angela M. Fowler	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	Horizontal Unit Order	Docket 320	936
Nancy C. Maxwell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Janet C. Godwin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Rebecca Ann Clemans, a/k/a. Rebecca Ann Clemans Pogie	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Justin L. Richter	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Lorene C. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
D.E.L.T.A. Rescue, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Northshore Animal League	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
ASPCA	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Guiding Eyes for the Blind, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Save the Chimps, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
St. Jude's Children Hospital	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Vested Interest in K-9s, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Mutts with a Mission	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Jessica Anne Collier	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Heirs of Ruth Bernice Clemans Hamilton	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Duff Street Methodist Church, fka Duff Street Evangelical United Brethern Church	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Clarence Edwin Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Jody A. Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Julie Elizabeth Butzine (=19/420) 0.045238	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Karen Elizabeth Rodoni	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Kent Ward Butzine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Jody A. Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Clarence Edwin Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Julia Butzine, aka Julia Ward, aka Julia Elizabeth Butzine, DOD: 10/1/2008 (=1/84*1/5) 0.002381	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Virginia R. Thompson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Susan Foerster	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Laurie Thiemann	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Patrick Yorty	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Alex B. Yorty	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336
Marjorie Piepho	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Horizontal Unit Order	Docket 320	336

08/25/2023

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	Marcia J. Lammelein	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Lorene C. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Janet C. Godwin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Nancy C. Maxwell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Rebecca Ann Clemans, a/k/a, Rebecca Ann Clemans Poggie	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Justin L. Richter	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	James Bradford Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1710	325
	Robert Earl Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1709	1349
	Jann A. Claxton Patton	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	739
	Kathryn M. Yurgaitis Hanus	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	487
	Christine Simone Kelly FKA Christine Simone Yurgaitis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1092
	Peter Phillip Yurgaitis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	929
	Stephen David Collier	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1015
	Susan Kathleen Collier Phillips	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1019
	Robert Ivan Preston	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	942
	Carey Ann Ownby and Christopher Ownby, JTWRORS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1023
	James L. Collins and Joanne Collins, JTWRORS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	139
	Krista Ownby-Duchane	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1737	1052
	Jessica Ownby	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1737	787
	Cody Ownby	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	776
	Jennifer Collins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	136
	Jessica Collins-Guglielmo	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738	381
	Jason Collins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	927
	Peaceful Valley Donkey Rescue aka Peaceful Valley Donkey Sanctuary by Amy Meyers, CFO	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	781
	Blount County Animal Center AKA Smoky Mountain Blount County Animal Shelter by Charles Rafford, Director	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	152
	Jessica Anne Collier	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Heirs of Ruth Bernice Clemans Hamilton	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	D.E.L.T.A. Rescue, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Northshore Animal League of America	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	ASPCA	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Guiding Eyes for the Blind, Inc. by Susan Ludwig, Assistant Treasurer and Controller	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Save the Chimps, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	St. Jude's Children Hospital	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Vested Interest in K-9's, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Mutts with a Mission, by Brooke Corson, Executive Director	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
	Christopher D. Curry and Nikki B. Curry, as joint tenants with the right of survivorship	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1743	436
	Pamela Jane Hughes	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	106
	CNX Gas Company	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1755	1308
	Matthew Currey	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 322	338
	Darrell Richards DBA Richards Resources	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1748	1232

51

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60

David E. Bower DBA Richards Resources	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	248	1230
Christopher D. Curry and Nikki B. Curry, as joint tenants with the right of survivorship	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	743	436
Pamela Jane Hughes	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	106
CNX Gas Company	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1308	1308
Darrell Richards DBA Richards Resources	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1748	1232
David E. Bower DBA Richards Resources	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1748	1230
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 Hollifield	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	336
Linda Lou Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Shirley Jean Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Robert Lee Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Garnett L. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Suzanne Bowles fka Susanne Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Mary E. Felts fka Mary Ellen Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Pamela Myers	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Donald Y Richards Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Barbara Lynn Ktout	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336

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Draw Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Jeff Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Kenneth Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
The Unknown Heirs of William Harold Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Unknown Heirs and Assigns of Fred M. Walker, Sr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Unknown Heirs and Assigns of Jack Worthy Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Shirley J. Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Linda Lou Burch AKA Linda Lou Carder Birch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Suzanne Coffindaffer Bowles AKA Suzanne Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Mary E. Feltis fka Mary Ellen Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Unknown Heirs of Sidney Walker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Christian Apostolic Church by Pastor Douglas Joseph, Chairman and President	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Suzanne Carrico	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
John Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Julie Ann Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Matthew Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Roy Todd II	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Julie Ann Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Suzanne T. Carrico	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
John A. Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Roy D. Todd II aka Roy D. Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Matthew W. Todd	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
James Bradford Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1720	177
Robert Earl Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1720	522
Carey Ann Ownby and Christopher Ownby, JTWROS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1023
James L. Collins and Joanne Collins, JTWROS	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	139
Krista Ownby-Duchane	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1737	1052
Jessica Ownby	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1737	787
Cody Ownby	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	776
Jennifer Collins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	136
Jessica Collins-Guglielmo	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738	381
Jason Collins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	927
Peaceful Valley Donkey Rescue aka Peaceful Valley Donkey Sanctuary by Blount County Animal Center AKA Smoky Mountain Blount County Anim	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	781
Jann A. Claxton Patton	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	152
Kathryn M. Yurgaitis Hanus	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	739
Christine Simone Kelly FKA Christine Simone Yurgaitis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	487
Peter Phillip Yurgaitis	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1092
Stephen David Collier	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	929
Susan Kathleen Collier Phillips	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1015
Robert Ivan Preston	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1019
			1734	942

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Beverly Massey Foti	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1738	753
The Melba Murphy Living Trust, Roger D. Parker, Trustee	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	772
Patrick Yorty	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1084
Jason P. Yorty	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	780
Betty Lamlein Revocable Trust, Lonnie G. Milholland, Trustee	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	1166
Roger D. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	517
Michael K. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	774
Deborah P. Gray	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1743	434
Angela M. Fowler	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	771
Gaye Charlene Wolf, aka Charlene Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	203
Ronald G. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1335
Mary Theresa Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1333
Mark B. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	464
Christopher Dulany, aka Christopher Dulaney	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1050
Shannon Elizabeth Adkins fka Shannon E. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1054
Ross D. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	488
Hannah M. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	205
Derek T. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	587
Kyle S. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	946
Britney L. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1731	676
Marci L. Ward, aka Marci Ward McClain, nka Marci L. Perry	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	524
Rachael A. Ward, aka Rachael A. Ward Tucker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1731	678
Nathaniel B. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	71
Mathew R. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	207
Christina V. Ward, aka Christina V. Ward Burris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	486
James T. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	526
John C. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	787
Timothy M. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1052
Wrightsedale Baptist Church	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	784
Robert H. Arthur	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	142
Dawn D. Arthur-Grossman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	926
Robert H. Arthur	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	142
Dawn D. Arthur-Grossman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	926
Gaye Charlene Wolf, aka Charlene Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	203
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Mark B. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	484
Christopher Dulany, aka Christopher Dulaney	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1050
Shannon Elizabeth Adkins fka Shannon E. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1054
Ross D. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	488
Hannah M. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	205
Derek T. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	587
Kyle S. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	946

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08/25/2023

Britney L. Wolf	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1731	676
Marci L. Ward, aka Marci Ward McClain, nka Marci L. Perry	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	524
Rachael A. Ward, aka Rachael A. Ward Tucker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1731	678
Nathaniel B. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	71
Mathew R. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	207
Christina V. Ward, aka Christina V. Ward Burris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	486
James T. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	526
John C. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1732	787
Timothy M. Ward	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1730	1052
Wrightsedale Baptist Church	HG ENERGY II APPALACHIA 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				
Roger D. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1346
Michael K. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	517
Deborah P. Gray	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	774
Angela M. Fowler	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1743	434
Beverly Massey Foti	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	771
Beverly Massey Foti	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1096
The Melba Murphy Living Trust	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1729	1096
Roger D. Parker, Trustee				
Patrick Yorty	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	772
Jason P. Yorty	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	1084
Roger D. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	780
Michael K. Parker	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	517
Deborah P. Gray	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1737	774
Angela M. Fowler	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1743	434
Nancy C. Maxwell	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1744	771
Janet C. Godwin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Rebecca A. Clemens aka Rebecca Ann Clemens, aka/ta, Rebecca Ann Clemens Poggie	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Justin L. Richter	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Lorene C. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
D.E.L.T.A. Rescue, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Northshore Animal League of America	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
ASPCA	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Guiding Eyes for the Blind, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Save the Chimps, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
St. Jude's Children Hospital	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Vested Interest in K-9's, Inc.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Mutts with a Mission	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Jessica Anne Collier	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Heirs of Ruth Bernice Clemens Hamilton	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336

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Duff Street United Methodist Church fka Duff Street Evangelical United Brethern Church	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Susan Foerster	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Laurie Thiemann	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Alex B. Yorty	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Marjorie Piepho	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Marcia J. Lammlin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Clarence Edwin Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Jody A. Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Karen Elizabeth Rodoni	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Kent Ward Butzine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Jody A. Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Clarence Edwin Sperry	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Julia Butzine, aka Julia Ward, aka Julia Elizabeth Butzine, DOD: 10/1/2008	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Virginia R. Thompson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Edwin L. Yorty, Jr.	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Susan Foerster	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Laurie Thiemann	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Alex B. Yorty	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Betty Lammlin Revocable Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Lonnie G. Mitholland, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Marjorie Piepho	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Marcia J. Lammlin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Lorene C. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Janet C. Godwin	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Nancy C. Maxwell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Rebecca A. Clemans AKA Rebecca Ann Clemans, AKA, Rebecca Ann Clemans Poggie	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Justin L. Richter	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
Melissa Darlene Callihan	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	336
ANGELINE HITT AND JAS. D. HITT, HER HUSBAND	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	92	78
ANGELINE HITT AND JAS. D. HITT, HER HUSBAND	SOUTH PENN OIL COMPANY	TOP LEASE - NOT LESS THAN 1/8	118	237
SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	226	344
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
HOPE NATURAL GAS SUPPLY CORPORATION	HOPE GAS INC	MERGER/NAME CHANGE	WVSOS	
HOPE GAS INC	CNG PRODUCING COMPANY	ASSIGNMENT	1277	699
CNG PRODUCING COMPANY	DOMINION EXPLORATION & PRODUCTION INC	MERGER/NAME CHANGE	58	366
DOMINION EXPLORATION & PRODUCTION INC	CONSOL GAS COMPANY	MERGER/NAME CHANGE	59	972
CONSOL GAS COMPANY	CONSOL GAS COMPANY LLC	MERGER/NAME CHANGE	36	913

08/21/2023

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51



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

Ch# 36648  
750000

July 27, 2023

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

RE: Vaneck 1215 N-5H Drill Permit Revision Request – (47-041-05736)  
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-5H 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](mailto:dwhite@hgenergyllc.com).

Very truly yours,

*Diane White*

Diane C. White

Enclosures

cc: Ken Greynolds – WV DEP State Inspector

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