



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, August 14, 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-3H
47-041-05734-00-00

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.



James A. Martin
Chief

Operator's Well Number: Vaneck 1215 N-3H
Farm Name: HG ENERGY II APPALACHIA, LLC
U.S. WELL NUMBER: 47-041-05734-00-00
Horizontal 6A New Drill
Date Modification Issued: 08/14/2023

Promoting a healthy environment.

08/18/2023

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-3H ✓ 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: 28,724' ✓

11) Proposed Horizontal Leg Length: 21,021' ✓

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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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	5700'	5700' ✓	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	28724'	28724' ✓	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 08:12:16 -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 = 1.10, tail yield 1.04
Tubing							
Liners							

PACKERS

Kind:							
Sizes:							RECEIVED Office of Oil and Gas
Depths Set:							AUG 8 2023 WV Department of Environmental Protection

WW-6B
(10/14)

API NO. 47- _____ - _____
 OPERATOR WELL NO. Vaneck 1215 N-3H
 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 21,021' lateral length, 28,724' 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.

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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 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 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=1.04CTS*

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

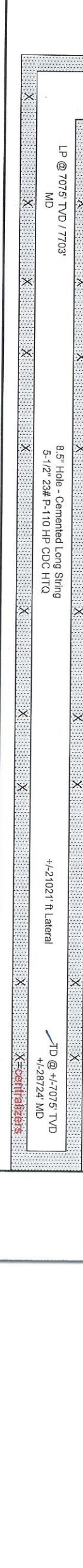
*** Storage String *** CTS ***
 15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)
 B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB Dispersant / D093 1.5 lb per BBL 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 GasBLOC* / D013 - 0.5% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam / D801 - 0.03 gal / sack Retarder - 0% Excess

1215 N-3H
 Marcellus Shale Horizontal
 Lewis County, WV



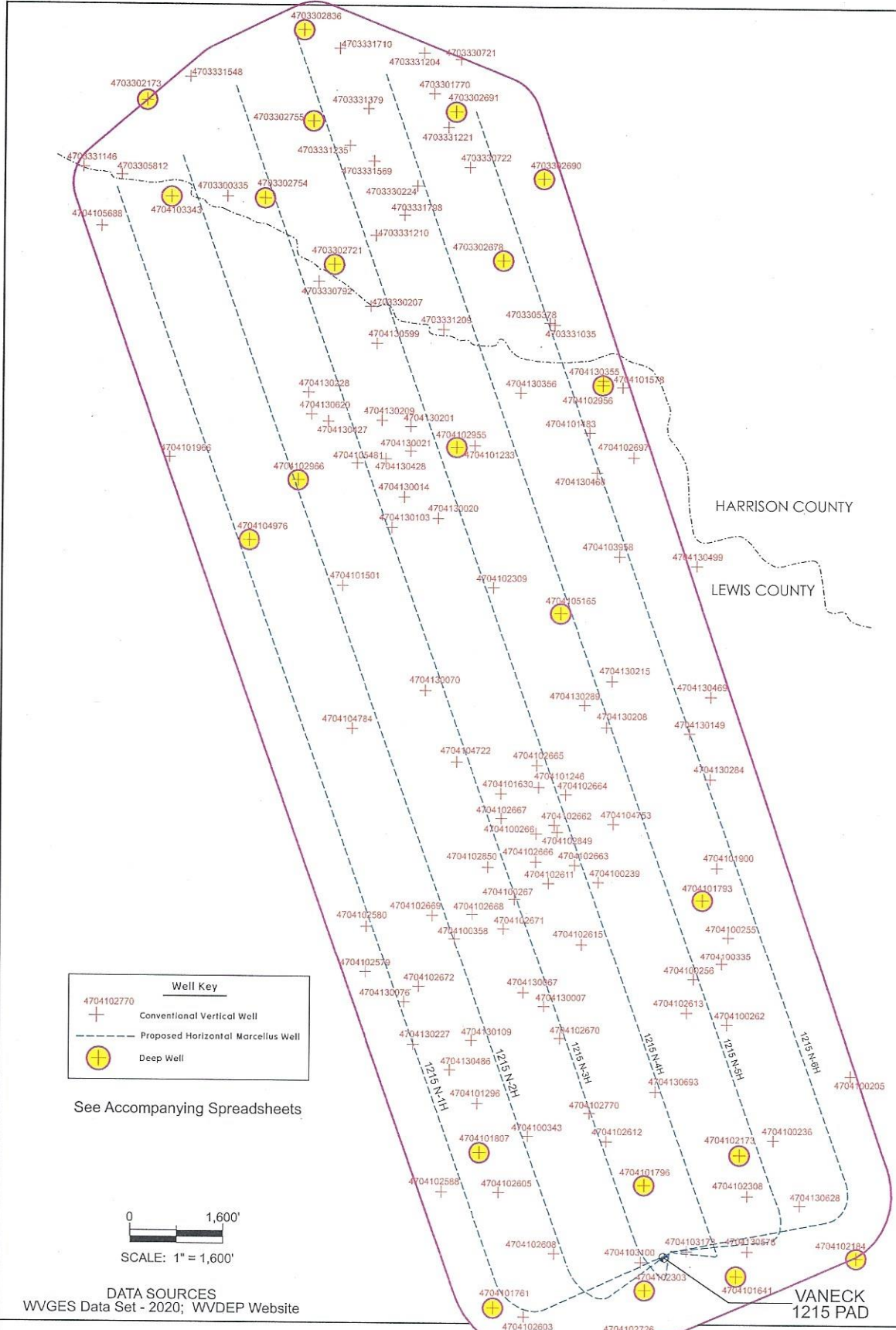
Ground Elevation	1254.8'	1215 N-3H SHL	14205541.49N 1768682.63E
Azm	340.539°	1215 N-3H LP	14205782.77N 1768058.48E
WELLBORE DIAGRAM		1215 N-3H BHL	14225593.77N 1761058.02E

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 Kilnning Coal Fresh Water Protection	0	214, 600, 981 905 1200	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
17.5"	13-3/8" 68# J-55 BTC	Little Lime Big Lime Injurn / Gantz (Storage) Intermediate 1 Thirty Foot	1694 1741 1818 / 2073 0	1714 1818 1904 / 2125 2250	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 *Will also be running ACP for isolating storage zone*	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
12.25"	9-5/8" 40# N-80 BTC	Gordon Stray / Gordon 5th Sand Bayard Speechley Benson Alexander / Elk Intermediate 2	2320 / 2346 2590 2660 3287 4599 4930 / 5540	2336 / 2446 2612 2675 3301 4615 5100 / 5600	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
8.75"		Rhinestreet Cashaqua Middlesex West River Burkett Tully Limestone Hamilton Marcellus TMD / TVD (Production) Onondaga	6203 6444 6650 6734 6831 6864 6950 7015 28724 7088	6444 6650 6734 6831 6864 6950 7088	AIR / 9.0ppg SOBM	Lead: 14.5 ppg POZ/PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP-13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP-13L + 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
8.5" Lateral					11.5ppg-12.5ppg SOBM				



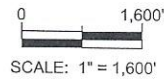
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Well Key	
+	Conventional Vertical Well
- - -	Proposed Horizontal Marcellus Well
⊕	Deep Well


See Accompanying Spreadsheets



DATA SOURCES
WVGES Data Set - 2020; WVDEP Website

Area of Review for:

VANECK 1215 NORTH UNIT

Proposed 1215 N-1H	Proposed 1215 N-2H	Proposed 1215 N-3H	HG ENERGY, II APPALACHIA, LLC 5260 DuPont Road, Parkersburg, WV 26101
Proposed 1215 N-4H	Proposed 1215 N-5H	Proposed 1215 N-6H	

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

12/05/2022

08/18/2023

**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	39.166976	-80.574796
2	4703301770	Harrison	J D Hitt	Core Solutions LLC	Gordon Stray	Oil and Gas	2666	ACTIVE	39.171445	-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	Tennille 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	Tennille Land, LLC	Alexander	Gas	5081	ACTIVE	39.163785	-80.568309
8	4703302754	Harrison	Robert B Weiman	Tennille Land, LLC	Alexander	Oil and Gas	5389	ACTIVE	39.170525	-80.572517
9	4703302755	Harrison	Robert B Weiman	Tennille Land, LLC	Alexander	Oil and Gas	5520	ACTIVE	39.161053	-80.555241
10	4703305378	Harrison	Ray Mosser Jr	Alliance Petroleum Co. LLC	Greenland Gap Fm	Oil and Gas	4010	ACTIVE	39.167992	-80.581201
11	4703305812	Harrison	John E Tyler	Diversified Resources, Inc.	UNKNOWNI	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 assign(Orphan well pr	Hampshire Grp	Gas	3028	PLUGGED	39.173954	-80.568006
28	4703331798	Harrison	Burgess Morris	Jackson, Richard C.	UNKNOWNI	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

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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	39.130706	-80.544729
39	4704100343	Lewis	E Haney	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	2312	ACTIVE	39.122576	-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	-	ABANDONED	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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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	39.135584	-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	39.133095	-80.559857
77	4704102669	Lewis	L E Gall	Eastern Gas Transmission & Storage, Inc.	UNKNOW	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.	UNKNOW	Storage	-	ACTIVE	39.129634	-80.563098
81	4704102697	Lewis	J A Fox	Fulharty Enterprises, Inc.	UNKNOW	not available	-	XABANDONED	39.154720	-80.550106
82	4704102726	Lewis	E W Waggoner	UNKNOW	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.	UNKNOW	Storage	-	ACTIVE	39.136993	-80.554712
86	4704102850	Lewis	L E Gall et al	Eastern Gas Transmission & Storage, Inc.	UNKNOW	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.	Greenland Gap Fm	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.	UNKNOW	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

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109	4704130109	Lewis	F M McKinley	Federal Oil Co.	UNKNOWN	not available	not available	2909	PLUGGED	39.127085	-80.559901
110	4704130149	Lewis	F M McKinley	Douglas, Septer W.	not available	not available	not available	-	PLUGGED	39.141669	-80.546688
111	4704130201	Lewis	J L Freeman	UNKNOWN	not available	not available	not available	-	PLUGGED	39.156170	-80.563649
112	4704130208	Lewis	Enn Bailey	Atha Supply Company	not available	not available	not available	-	PLUGGED	39.141958	-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.	Hampshire Grp	Oil	Oil	2736	PLUGGED	39.157765	-80.569853
117	4704130284	Lewis	Francis M McKinley	Hope Natural Gas Company	Gordon	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

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

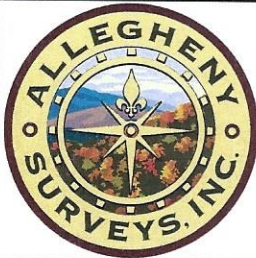
UPDATED 12/5/2022

YELLOW DENOTES WELL WITH TVD > 4,500'

DENOTES SURVEYED WELL COORDINATES

08/18/2023

HG Energy II Appalachia, LLC
Well No. Vaneck 1215 N-3H MOD



Page 1 of 3

Notes:
Well No. Vaneck 1215 N-3H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,541.49'
E: 1,768,682.63'
Landing Point Coordinates
N: 14,205,782.77'
E: 1,768,058.48'
Bottom Hole Coordinates
N: 14,225,593.77'
E: 1,761,058.02'



SEAL

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-3H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°07'00.87" Latitude: 39°10'19.51"
Longitude: 80°32'52.60" Longitude: 80°34'28.18"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,857.706m N: 4,335,969.653m
E: 539,095.544m E: 536,771.558m
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-3H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: February 28 2023

OPERATOR'S WELL NO. Vaneck 1215 N-3H

API WELL NO

47 - 041 - 05734
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

Top - Camden
QUADRANGLE: Btm - Big Isaac

DISTRICT: Freemans Creek

COUNTY: Lewis
ACREAGE: 55.00
08/18/2023

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 28,725' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

9,304' to Bottom Hole

1,781' to Top Hole

TOP LATITUDE 39 - 07 - 30

BTM LATITUDE 39 - 12 - 30

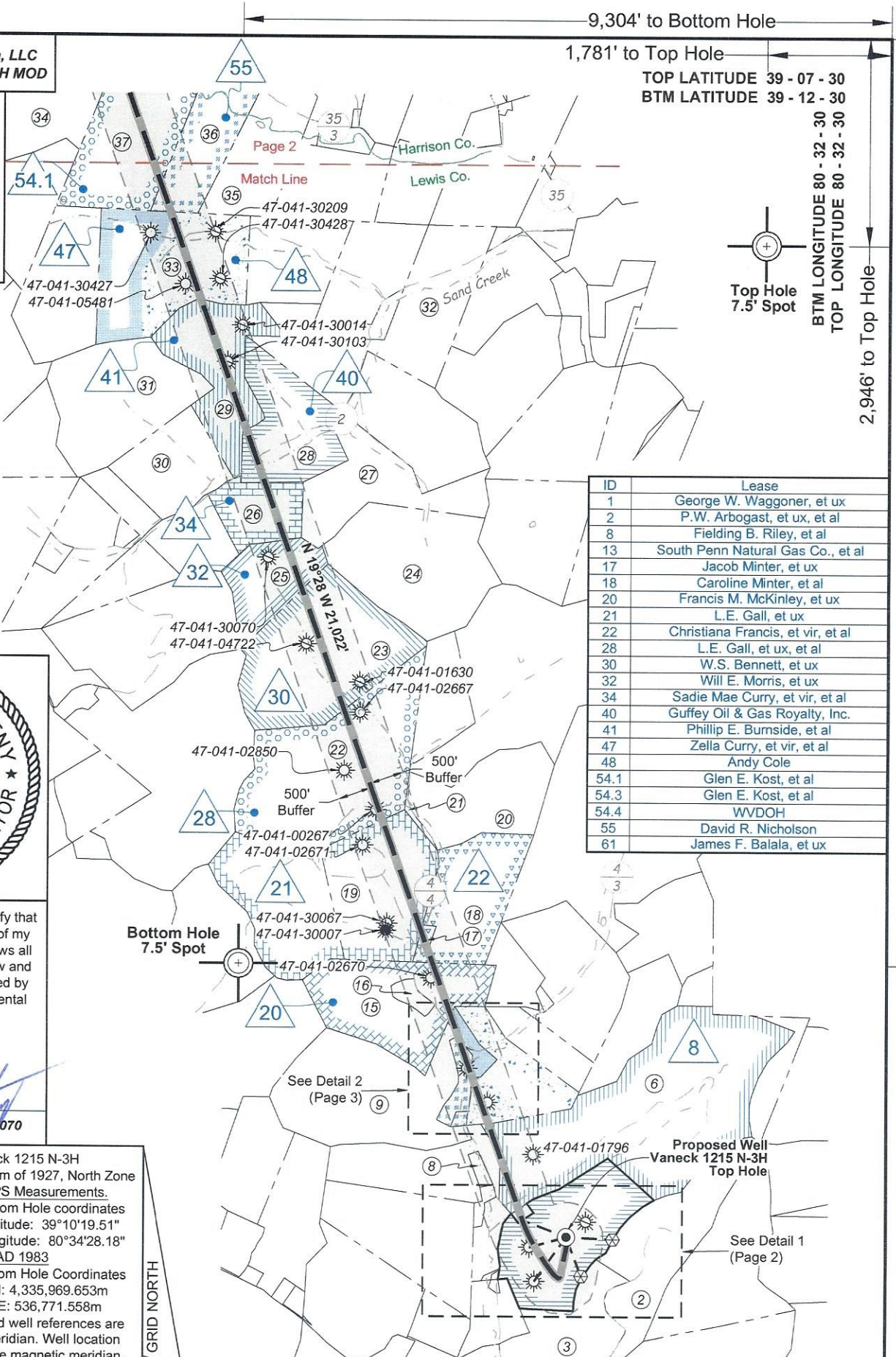
BTM LONGITUDE 80 - 32 - 30

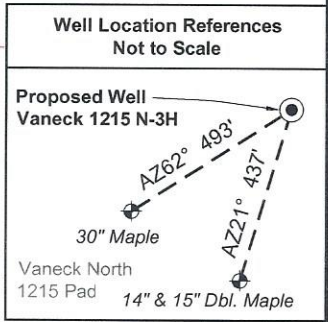
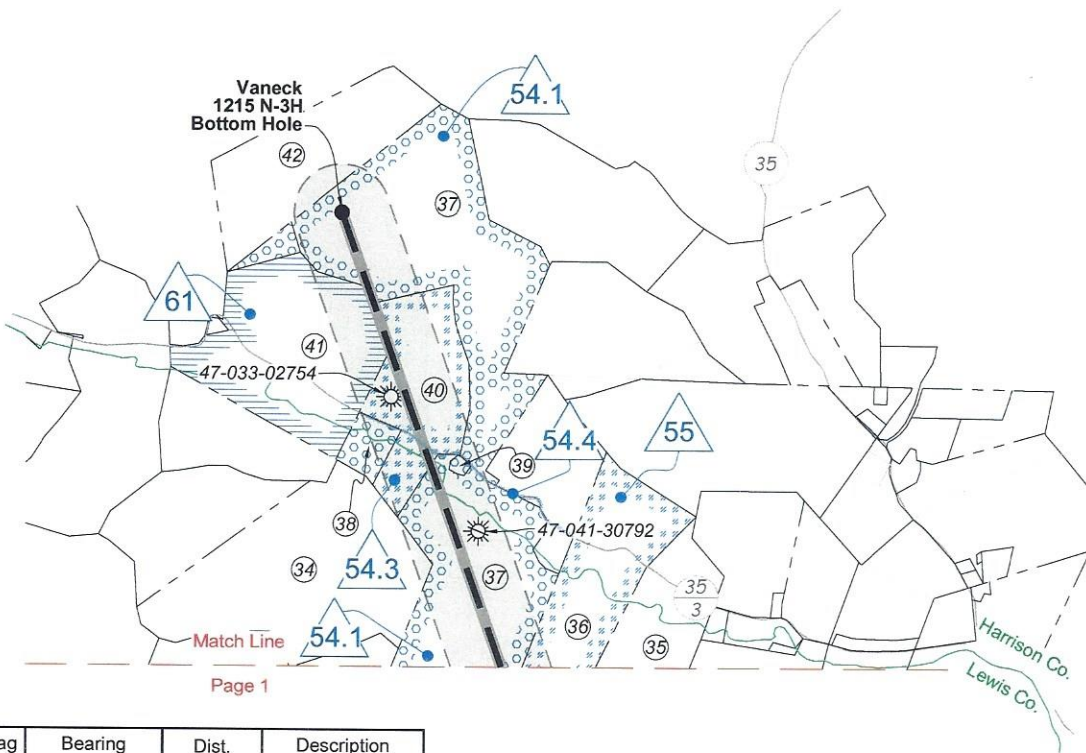
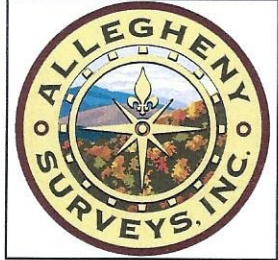
TOP LONGITUDE 80 - 32 - 30

Top Hole
7.5' Spot

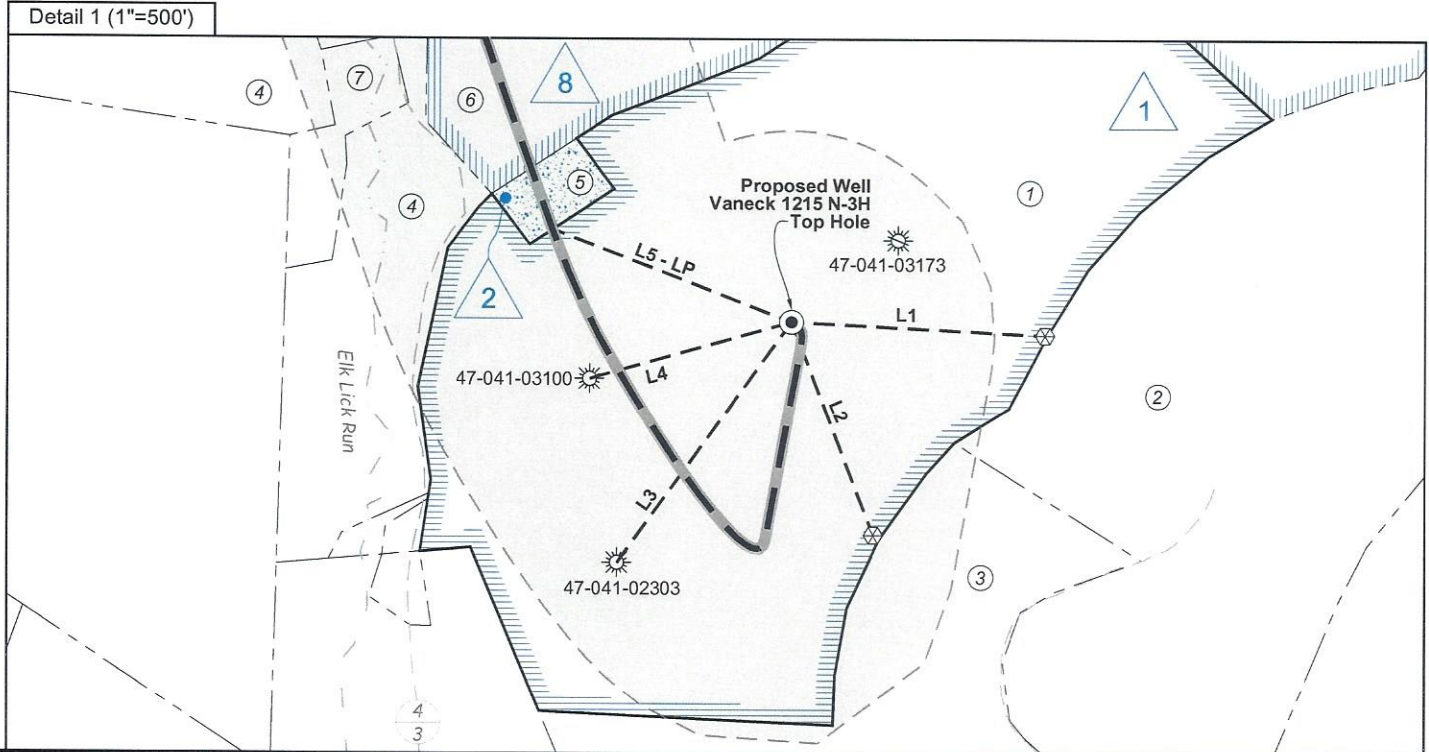
2,946' to Top Hole
13,198' to Bottom Hole

ID	Lease
1	George W. Waggoner, et ux
2	P.W. Arbogast, et ux, et al
8	Fielding B. Riley, et al
13	South Penn Natural Gas Co., et al
17	Jacob Minter, et ux
18	Caroline Minter, et al
20	Francis M. McKinley, et ux
21	L.E. Gall, et ux
22	Christiana Francis, et vir, et al
28	L.E. Gall, et ux, et al
30	W.S. Bennett, et ux
32	Will E. Morris, et ux
34	Sadie Mae Curry, et vir, et al
40	Guffey Oil & Gas Royalty, Inc.
41	Phillip E. Burnside, et al
47	Zella Curry, et vir, et al
48	Andy Cole
54.1	Glen E. Kost, et al
54.3	Glen E. Kost, et al
54.4	WVDOH
55	David R. Nicholson
61	James F. Balala, et ux





Tag	Bearing	Dist.	Description
L1	N 87°02' W	661.5'	1/2" Rebar
L2	N 20°54' W	598.0'	1/2" Rebar
L3	N 35°39' E	776.8'	47-041-02303
L4	N 74°08' E	546.2'	47-041-03100
L5	N 68°52' W	669.2'	Landing point



FILE NO: 156-36-UFC-20
DRAWING NO: Vaneck 1215 N-3H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

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

DATE: February 28 2023
OPERATOR'S WELL NO. Vaneck 1215 N-3H
API WELL NO
47 — 041 — 05734
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

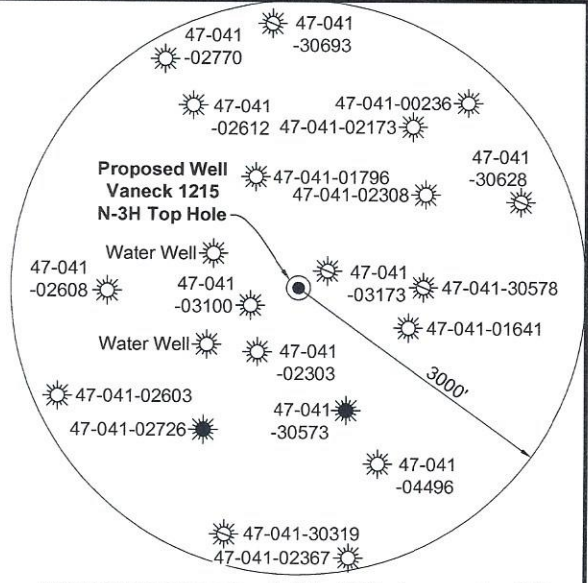
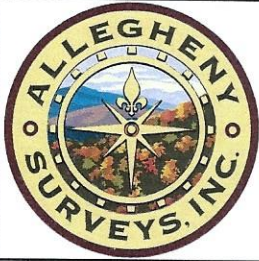
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD 7,075' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,725' MD

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

08/18/2023

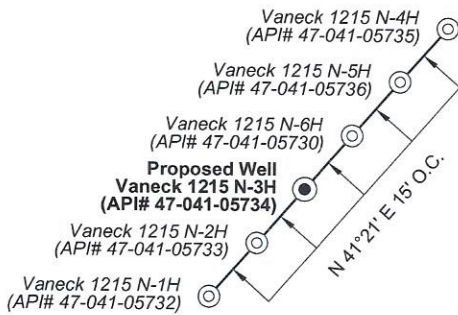
Legend

- 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.)

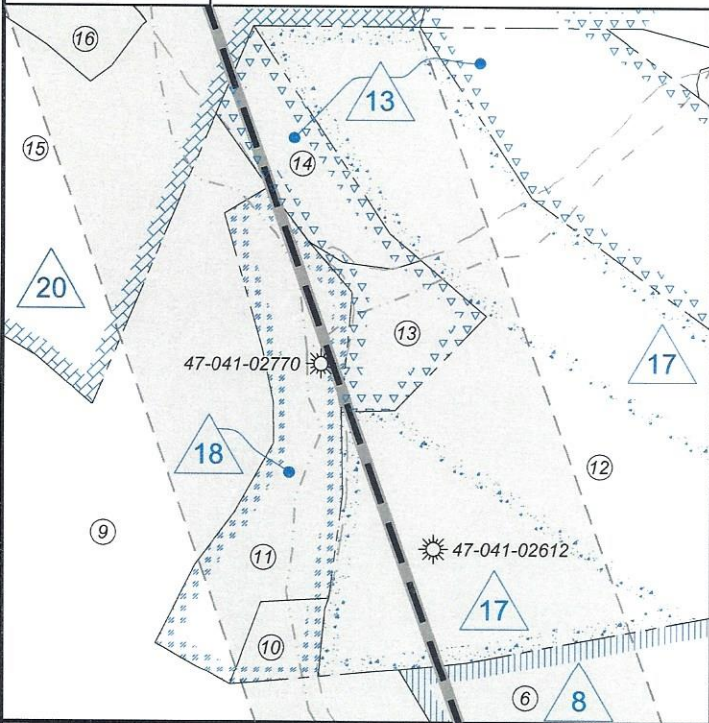


Note: 2 water well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

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 / 27.2	Jack E. & Cerilda M. Waggoner	547 / 691	57.97
3	5C / 25	Raymond C. & Colona J. Waggoner	567 / 416	45.48
4	5C / 7	Charles B. Curtis, Jr.	W19 / 725	45.65
5	5C / 28	Judith G. Piercy	F30 / 596	1.00
6	5C / 30	Woody Lumber Co. Inc.	590 / 438	140.50
7	5C / 7.3	Dustin McDougal	746 / 65	2.05
8	5C / 7.2	Dustin L. & David L. McDougal	603 / 688	2.01
9	5C / 6	Jason E. & Amy L. Hunt	589 / 3	85.00
10	5C / 4	Jason E. & Amy L. Hunt	589 / 3	1.00
11	5C / 5	Jason E. & Amy L. Hunt	589 / 3	6.20
12	5C / 3	Betty E. Rhoades	W35 / 524	33.60
13	5C / 2	Betty E. Rhoades	W35 / 524	2.30
14	5C / 48	Betty E. Rhoades	W35 / 524	3.00
15	5B / 11	Betty E. Rhoades	W35 / 524	56.00
16	5B / 11.1	Stewart J. Rhoades	478 / 201	3.75
17	5B / 10	Allen B. Jerden, et al	W23 / 18	4.00
18	5B / 22	Christopher G. Duerr	594 / 666	34.50
19	5B / 8	Robert A. & Jane M. Marrison	722 / 374	47.50
20	5B / 23	Christopher G. Duerr	594 / 666	20.00
21	5B / 7	Robert A. & Jane M. Marrison	722 / 374	0.69
22	5B / 5	Gerald L. & Rita R. Kolva	639 / 517	100.33
23	5B / 4	Coastal Forest Resources Co.	710 / 471	85.00
24	5B / 3	Jeffrey P. & Anessa E. Griffith	653 / 168	74.00
25	5B / 2	Coastal Forest Resources Co.	710 / 471	26.00
26	4B / 36	Jeffrey P. & Anessa E. Griffith	692 / 498	23.50
27	5B / 1	Jeffrey P. & Anessa E. Griffith	692 / 498	49.25
28	5A / 4	Jeffrey P. & Anessa E. Griffith	692 / 498	44.00
29	4A / 37	Rachel D. & Joshua M. Wyckoff	750 / 260	48.50
30	4B / 45	Rachel D. & Joshua M. Wyckoff	750 / 260	36.78
31	4A / 38	Rachel D. & Joshua M. Wyckoff	750 / 260	63.97
32	5A / 6	Jeffrey P. & Anessa E. Griffith	692 / 498	78.00
33	4A / 34	Jerry Tomes	W17 / 336	80.00
34	4A / 28	Kincheloe Mitigation Holdings, LLC	704 / 324	80.00

Harrison Co. - Union Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
35	421 / 30	John T. & Stephanie J. Sowell	1261 / 1129	42.80
36	421 / 29	John T. & Stephanie J. Sowell	1261 / 1129	51.27
37	421 / 8	Kincheloe Mitigation Holdings, LLC	1565 / 908	185.30
38	421 / 27	Kincheloe Mitigation Holdings, LLC	1565 / 908	6.10
39	421 / 8.1	Joshua D. & Chasity L. Powell	1582 / 941	0.70
40	421 / 26	Kincheloe Mitigation Holdings, LLC	1565 / 908	37.96
41	421 / 5	Kincheloe Mitigation Holdings, LLC	1565 / 908	71.80
42	421 / 7	Donald J. & Carole D. Knicely	1219 / 1282	47.70

FILE NO: 156-36-UFC-20

DRAWING NO: Vaneck 1215 N-3H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: February 28 2023

OPERATOR'S WELL NO. Vaneck 1215 N-3H

API WELL NO

47 - 041 - 05734
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: 7,075' TVD 28,725' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

Top - Camden
QUADRANGLE: Btm - Big Isaac

COUNTY: Lewis

ACREAGE: 55.00

08/18/2023

**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
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See Attached Sheets

RECEIVED
Office of Oil and Gas

AUG 8 2023

WV Department of
Environmental Protection

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-3H Lease Chain

WV Department of
Environmental Protection

08/15/2023

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
	PITTSBURG AND WEST VIRGINIA GAS COMPANY	PITTSBURG AND WEST VIRGINIA GAS COMPANY	DEED	125	371
	EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	216	185
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	246	192
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	294	89
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	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
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
	NOBLE ENERGY, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
	DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	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	
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	ASSIGNMENT	125	371	
PITTSBURG AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	DEED	125	371	
EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	216	185	
HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192	
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89	
CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127	
CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	ASSIGNMENT	425	127	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	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	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		

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	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
	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	ASSIGNMENT	125	371
	PITTSBURG AND WEST VIRGINIA GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	DEED	125	371
	PITTSBURG AND WEST VIRGINIA GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	156	420
	EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
	DOMINION ENERGY TRANSMISSION, INC.	DOMINION 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	723	499
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	CAROLINE MINTER AND SALLY MINTER	E. W. BOYD	NOT LESS THAN 1/8	35	243
	E. W. BOYD	S. E. BARRETT	ASSIGNMENT	30	369
	S. E. BARRETT	LOUIS BENNETT	ASSIGNMENT (50%)	36	517
	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	ASSIGNMENT	125	371
	PITTSBURG AND WEST VIRGINIA GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	DEED	125	371
	PITTSBURG AND WEST VIRGINIA GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	156	420
	EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	EQUITABLE GAS COMPANY	ASSIGNMENT	216	185
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
	DOMINION ENERGY TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	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
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	1,170
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

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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					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	1,170
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
FRANCIS M. MCKINLEY AND M. E. MCKINLEY, HIS WIFE					J. M. GUFFEY AND JOHN H. GALEY	NOT LESS THAN 1/8	44	193
J. M. GUFFEY AND JOHN H. GALEY					THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	73	318

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	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
	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
	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	717	1
	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	722	170
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	WVSOS	
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	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 ASSIGNMENT	55	126
	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
	PITTSBURGH AND WEST VIRGINIA GAS COMPANY AND 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	156	420
	EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	216	185
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
	DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
	CNX GAS COMPANY LLC	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	717	1
	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	ASSIGNMENT	722	170
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	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
	L. E. GALL AND HENRIETTA GALL, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8 ASSIGNMENT	58	484
	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

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	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	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
	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 COMPANY	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
	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	CRUDE OIL COMPANY	ASSIGNMENT	52	176
	CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	55	95
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	55	437
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CNG 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
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
	NOBLE ENERGY, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
	DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
	DOMINION ENERGY 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	723	499
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	734	558
	W. S. BENNETT AND A. V. BENNETT, HIS WIFE	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
	THE LEWIS OIL COMPANY	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
	J. M. GUFFEY AND JNO. H. GALEY	J. M. GUFFEY AND JNO. H. GALEY	ASSIGNMENT	46	399
	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	73	318
	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379
	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	ASSIGNMENT	174	231
	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	235	105
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CNG 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
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
	NOBLE ENERGY, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	1

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	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
	WILL E. MORRIS AND CAMILLA MORRIS, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	185	311
	HUNTER M. BENNETT ET AL	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	191	500
	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
	SADIE MAE CURREY AND J. WAYNE CURREY, HER HUSBAND, CLESTA H. RULE AND A. GOLDEN RULE, HER HUSBAND,	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	237	249
	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
	P. W. ARBOGAST AND E. M. ARBOGAST, HIS WIFE; FRANCES MCCLUNG AND JAMES D. MCCLUNG, HER HUSBAND; H. H. ARBOGAST AND ELVA M. ARBOGAST, HIS WIFE; ESSIE M. BAILEY AND GOFF BAILEY, HER HUSBAND; CHARLES D. ARBOGAST AND GEORGIA ARBOGAST, HIS WIFE; RUTH BRUMLEY AND ROBERT BRUMLEY, HER HUSBAND; ETHEL L. ARBOGAST, AND WILLIST. ARBOGAST	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	211	109
	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89

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	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
Q101043000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
Q100666000	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
HG102087	Guffey Oil & Gas Royalty, Inc.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	778	556
HG102534	Shiben Estates Inc.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	794	901
HG102535	Tamera Jo Durbin	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	798
HG102531	Phillip John Currey	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	796
HG01219	Jane Ann Currey-Cartee AKA Jane Ann Currey-Risner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	802
HG102522	James Marshall Dye	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	762	760
HG101259	Susan Hagar	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	788	455
HG101260	Mark Steven Newman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	765
HG101298	Lisa Koss	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	767
HG101264	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
HG101521, HG101412	Phillip E. Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	767	513
	Virginia Y. Currey	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	768	458
	ZELLA CURRY AND H.O. CURRY, HER HUSBAND; AND ETHEL F. CURRY, WIDOW	E. DAVISSON HARDMAN	NOT LESS THAN 1/8	386	371
	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 AND MOUNTAIN GAS 80-2	ASSIGNMENT	389	445
	STONEWALL 80-2 JOINT VENTURE AND MOUNTAIN GAS 80-2, ET AL	MOUNTAIN INCOME I LIMITED PARTNERSHIP	ASSIGNMENT (0.08007817)	517	531
	STONEWALL 80-2 JOINT VENTURE AND MOUNTAIN GAS 80-2, ET AL	STONEWALL GAS COMPANY	ASSIGNMENT (0.0360762)	517	517
CNX109475	MOUNTAIN INCOME I LIMITED PARTNERSHIP	STONEWALL GAS COMPANY	ASSIGNMENT (0.00160160)	532	724
	MOUNTAIN INCOME I LIMITED PARTNERSHIP	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES, LLC	ASSIGNMENT (0.07847660)	533	604

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	STONEMWALL GAS COMPANY	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES, INC	MERGER/NAME CHANGE	59	086
	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES INC	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES, INC	MERGER/NAME CHANGE	10	38
	DOMINION APPALACHIAN DEVELOPMENT PROPERTIES, LLC	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9	471
	CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	776	976
	ANDY COLE	DIVERSIFIED RESOURCES INC	NOT LESS THAN 1/8	632	528
	LEE ANN COLE	DIVERSIFIED RESOURCES INC	NOT LESS THAN 1/8	634	116
	DIVERSIFIED RESOURCES INC	Bluestone Energy Partners	ASSIGNMENT	363	166
	Bluestone Energy Partners	BEP Merger Sub, LP	MERGER/NAME CHANGE	MISC 35	1236
	BEP Merger Sub, LP	Antero Resources Corporation	MERGER/NAME CHANGE	WVSOS	
	Devon Energy Production Co., LP	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	783	66
	Antero Resources Corporation	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	787	38
	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 Oylar	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

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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	319
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 (Antia) 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	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		1736	790
Michelle K. Rodgers Trust					
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	334	
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
Lueva Lee Morris Shuman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		1741	925
Alf Terri J. Jones	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		1735	1239
Patricia Y. Owens	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		1741	923
Ginger C. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		1736	1028
Amanda Jo Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		1739	365
Amy Louise Morris Wuest	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8			

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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 Snder 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	1356
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 Halcum	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. Hilberry, 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	334
Teresa Rose Attridge	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
H. M. Burton "Helen"	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Paula Ashley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lindsay Kay Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Gerl Beth Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary Ellen Kraws (Kraus)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Clarence Lee Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Diana M. Esteve	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark J. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Chad W. Johnson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
David L. Currey (Leslie K. Currey; guardian)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Maranda Michelle Elizabeth Ford	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Richard Thomas Ford, II	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334

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Ralph LaGatta, Life Estate (Carmela Weber is full guardian and conservator)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Carmela Weber, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Michael LaGatta, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Trustees of the Francis J. LaGatta Revocable Trust, dated September 15, 2011, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Rita Jane Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark Allen Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Amy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Timothy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Rita Jane Davis, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Erica Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark Allen Williams, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Joel Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Justin Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
A. Morris Clemans UA Trust, Alan Clemans, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Robert W. Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Richard Charles Bennett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Wendy Marie Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Bruce I. MacNeill	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary B. Ferguson Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
T. Ritson Ferguson III, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary L. Morris Hurst	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Tonya Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Alice Jean Morris Kirkendall	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Carl R. Lingerfelt	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Alan Clemans, Trustee of the A. Morris Clemans Testamentary Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Wendy Marlene Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lucille R. Taylor	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Jimmie Jo Douglas Smith	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
NAJ, LLC, a West Virginia limited liability company	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Shirley J. Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Linda L. Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Joseph H. Mason	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Scott Penny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
John C. Irvine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
James R. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Debbie Saltee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Charles Anthony Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Linda Darlene McCoy Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Cynthia Dawn Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Domenic Calasante	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Glen E. 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

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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 Oylter	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	1720	749
Diana Jean Smith Rahm	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	224
Sheryl Lynn Smith Koons	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1719	1319
Trustees of the Jackson Lodge No. 35 AF & AM Cemetery	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	743
Tillman Lee Williams, Life Estate	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	747
Tillman Lee Williams, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1734	783
Edward Williams, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1709	1326
Aneta (Anita) Marie Davis, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1116
Beth Ann Thompson, Remainderman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	790
Michelle Gregory FKA Michelle K. Rodgers, Successor Trustee of the	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1034
R. Michael Groom, as Trustee of the Michael D. Rodgers Trust (Michael	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1229
R. Michael Groom, as Trustee of the Raymond R. Rinehart Trust	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	858
Sidney Boggess Jackson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1110
Charles Russell Jackson	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1710	864
Carney B. Jackson Revocable Trust, dated December 13, 2007, Carney	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1698	1222
Antero Minerals, LLC	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1735	1264
William Michael McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1233
Marjo 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

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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	030
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,	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lueva Lee Morris Shuman	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	239
Margaret E. Hugas	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	180
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
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 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
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	334

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Teresa Rose Attridge	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
H. M. Burton "Helen"	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Paula Ashley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lindsay Kay Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Geri Beth Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary Ellen Kraws (Kraus)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Clarence Lee Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Diana M. Esteve	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark J. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Chad W. Johnson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
David L. Currey (Leslie K. Currey: guardian)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Ralph LaGatta, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Carmela Weber, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Michael LaGatta, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Trustees of the Francis J. LaGatta Revocable Trust, dated September 15, 2011, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Rita Jane Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark Allen Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Amy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Timothy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Rita Jane Davis, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Erica Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark Allen Williams, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Joel Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Justin Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
A. Morris Clemans UA Trust, Alan Clemans, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Robert W. Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Tonya Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Richard Charles Bennett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Wendy Marie Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary B. Ferguson Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
T. Ritson Ferguson III, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Julia Ann Malone Rka Julia Ann Carder nka Julie Ann Carder Young	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Carl R. Lingerfelt	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Alan Clemans, Trustee of the A. Morris Clemans Testamentary Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary L. Morris Hurst	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Alice Jean Morris Kirkendall	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Wendy Marlene Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lucille R. Taylor	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Jimmie Jo Douglas Smith	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Bruce I. MacNeill	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
NAJ, LLC, a West Virginia limited liability company	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Shirley J. Akire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Linda L. Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Joseph H. Mason	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Charles Anthony Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Scott Penny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
John C. Irvine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334

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James R. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Debbie Sallee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
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	3032
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	1779
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
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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 Dyer	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	1729	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

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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	229
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	NOT LESS THAN 1/9	1698	1222
Antero Resources Corp.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1735	1264
James Ivan McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1180
Mario Robin Morris Marsh	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1718	1174
Margaret E. Hugus	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	439
David Michael Bennett	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1227
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
Charles Lynn Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1723	310
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
Lueva Lee Morris Shuman	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1741	925
Alf Terri J. Jones	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1239
Patricia Y. Owens	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1735	1233
William Michael McDonald	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1717	40
Patricia L. Turk Morris	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1741	923
Ginger C. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	853
Eva Marie Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1739	365
Amy Louise Morris Wuest	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1736	1028
Amanda Jo Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1708	696
Sandra E. Morris	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1716	858
Lanette Higgins	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1034
Cheri L. Myron	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1712	1034
Ora Lee Levy Trust c/o First Merchant's Bank, Andrew Weisenburger, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Anita Carol Snider Jarrett Douglass	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	1711	1053
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
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	1772
Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1336	1775
Robert L. Matthey, Sr. and Robert L. Matthey, Jr.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1351	2228
HMS RESOURCES INC	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1743	4411
Pamela Peet	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1743	420
James Bradford Halcum	HG ENERGY II APPALACHIA LLC	MINERAL DEED	1720	1177
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 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
Slyann 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	334
Teresa Rose Attridge	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
H. M. Burton "Helen"	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Paula Ashley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lindsay Kay Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Geil Beth Dickenson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary Ellen Kraws (Kraus)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Clarence Lee Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Diana M. Esteve	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark J. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Chad W. Johnson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
David L. Currey (Leslie K. Currey, guardian)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Ralph LaGatta, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Carmela Weber, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Michael LaGatta, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Trustees of the Francis J. LaGatta Revocable Trust, dated September 15, 2011, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Rita Jane Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark Allen Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Amy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Timothy Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Rita Jane Davis, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Erica Davis, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mark Allen Williams, Life Estate	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334

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Joel Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Justin Williams, Remainderman	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
A. Morris Clemans UA Trust, Alan Clemans, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Gary L. Hyre (deceased; now owned by Joyce C. Hyre, wife)	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Wendy Marie Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Bruce I. MacNeill	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Lucille R. Taylor	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary B. Ferguson Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
T. Ritson Ferguson III, Trustee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Carl R. Lingerfell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Alan Clemans, Trustee of the A. Morris Clemans Testamentary Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary L. Morris Hurst	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Robert W. Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Alice Jean Morris Kirkendall	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Tonya Morris	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Wendy Marlene Bennett Denny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Richard Charles Bennett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Jimmie Jo Douglas Smith	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
NAJ, LLC, a West Virginia limited liability company	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Shirley J. Alkire	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Linda L. Burch	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Robert L. Carder	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Joseph H. Mason	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Scott Penny	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
John C. Irvine	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
James R. Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Debbie Saltee	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Charles Anthony Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Linda Darlene McCoy Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Cynthia Dawn Coffindaffer	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Domenic Calasante	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
State of West Virginia, Department of Highways	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
UNLEASED 54.4				
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	334
unknown heirs and assigns of Esther B. Riley	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
unknown heirs and assigns of Rebecca M. Booth	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334

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Unknown heirs and assigns of Kate Lee Skidmore	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Unknown heirs and assigns of John W. Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Unknown beneficiaries under the will of Florence Estelle Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Bonnie L. Powell	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Noel Kent Dawson and Christine Dawson, JTWROS	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Noel Kent Dawson and Christine Dawson, JTWROS	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Noel Kent Dawson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Noel Kent Dawson and Christine Dawson, JTWROS	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Dawnleigh Helber	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Tyson J. Bissler	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Denise L. Bissler	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Patricia A. Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
David Ronald Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Sara Nell Stinnett	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Mary Beth Helmrick	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Kathy Elizabeth Nicholson Currey	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
John Christopher Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Judith Ann Sams Irrevocable Trust	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Kenneth Wade Nicholson	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Donna Mazzarrese fka Donna Wells	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Clarinda Vincent	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Margaret Ann Rosemecker	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Delbert P. Blattler	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Unknown heirs and assigns of Frank R. Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
Unknown heirs and assigns of J. Frederick Davis	HG ENERGY II APPALACHIA, LLC	Horizontal Unit Order	Docket 320	334
JAMES F. BALALA AND BEATRICE A. BALALA, HIS WIFE	CLARENCE W. MUTSCHELKNAUS	NOT LESS THAN 1/8	1123	787
CLARENCE W. MUTSCHELKNAUS	WATKINS & WATKINS, INC.	ASSIGNMENT	1128	697
WATKINS & WATKINS INC	KEPCO INC	ASSIGNMENT	1128	774
KEPCO INC	MARK PRODUCING INC	ASSIGNMENT	1142	343
KEPCO INC	EASTERN KENTUCKY PRODUCTION COMPANY	MERGER/NAME CHANGE	WVSOS	
EASTERN KENTUCKY PRODUCTION COMPANY FKA KEPCO INC	KEPCO RESOURCES INC	ASSIGNMENT	1159	443
KEPCO RESOURCES INC	UNION DRILLING INI	MERGER/NAME CHANGE	50	544
UNION DRILLING INC	EQUITABLE RESOURCES EXPLORATION INC	ASSIGNMENT	1189	1209
EQUITABLE RESOURCES EXPLORATION INC., ET AL	EQUITABLE RESOURCES ENERGY COMPANY	MERGER/NAME CHANGE	52	1008
EQUITABLE RESOURCES EXPLORATION INC.	EQUITABLE RESOURCES ENERGY COMPANY	ASSIGNMENT	1199	642
EQUITABLE RESOURCES EXPLORATION, A DIVISION OF EQUITABLE RESOURCES ENERGY	LONE PINE OPERATING COMPANY INC	ASSIGNMENT	1254	406
LONE PINE OPERATING COMPANY INC	R & K OIL AND GAS INC.	ASSIGNMENT	1350	1187
R & K OIL AND GAS INC	MARK HUTSON	PARTIAL ASSIGNMENT (50%)	1363	735
R & K OIL AND GAS INC; MARSHALL GAS & OIL CORPORATION;	DIVERSIFIED PRODUCTION LLC	MERGER/NAME CHANGE	10	46
DIVERSIFIED RESOURCES, INC	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1747	1096
DIVERSIFIED PRODUCTION LLC				

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

July 27, 2023

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

RECEIVED
Office Of Oil and Gas

AUG 8 2023

WV Department of
Environmental Protection

RE: Vaneck 1215 N-3H Drill Permit Revision Request – (47-041-05734)
Freeman's Creek District, Lewis County
West Virginia

Dear Mr. Blevins -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW6-B, casing schematic, AOR and WW-6A1) and a check for expedited service for the 1215 N-3H 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

Chk# 036646
Amt \$ 7500
Date 7/25/23

cc: Ken Greynolds – WV DEP State Inspector

08/18/2023