



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

Thursday, March 18, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for MCDONALD 1211 N-5H
47-041-05701-00-00

Changes to the Lateral Length

HG ENERGY II APPALACHIA, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: MCDONALD 1211 N-5H
Farm Name: HG ENERGY II APPALACHIA, LLC
U.S. WELL NUMBER: 47-041-05701-00-00
Horizontal 6A New Drill
Date Modification Issued: 3/18/21

Promoting a healthy environment.

03/26/2021

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

1) Well Operator: HG Energy II Appalachia, L.P. 494519932 Lewis Freeman West Milford 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: McDonald 1211 N-5H Well Pad Name: McDonald 1211

3) Farm Name/Surface Owner: McDonald Public Road Access: SR 19

4) Elevation, current ground: 1280' Elevation, proposed post-construction: 1264.5'

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

Other _____

(b) If Gas Shallow Deep _____

Horizontal _____

6) Existing Pad: Yes or No No *Bay Stiles 2-2-21*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 6753'/6835' and 82' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 6800'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,692'

11) Proposed Horizontal Leg Length: 15,348'

12) Approximate Fresh Water Strata Depths: 34', 107', 205', 229', 249'

13) Method to Determine Fresh Water Depths: Nearest offset well data, (47-041-5128, 3938, 4929)

14) Approximate Saltwater Depths: 1299', 1675'

15) Approximate Coal Seam Depths: 810' to 815'

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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FEB 05 2021

WV Department of
Environmental Protection

4704105701

WW-6B
(04/15)

API NO. 47- _____
OPERATOR WELL NO. McDonald 1211 N-5H
Well Pad Name: McDonald 1211

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120'	Drilled In
Fresh Water/Coal	20"	NEW	J-55	94	1000'	1000'	CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2040'	2040'	CTS
Intermediate 2	9 5/8"	NEW	J-55 BTC	40	2750'	2750'	CTS
Production	5 1/2"	NEW	P-110 HP	23	22692'	22692'	CTS
Tubing							
Liners							

Buy Itlog 2-2-21

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	3950		Type 1/Class A	Lead 40% excess, Tail 0% Excess
Production	5 1/2"	8 1/2"	.415	16240	12000	Type 1/Class A	20% excess yield = 1.19, tail yield 1.95
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				RECEIVED Office of Oil and Gas
Depths Set:				FEB 05 2021

WV Department of Environmental Protection

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 6800 feet. Drill horizontal leg to estimated 15,348 lateral length, 22,692 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 ECP 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): 22.75 acres

22) Area to be disturbed for well pad only, less access road (acres): 7.31 acres

23) Describe centralizer placement for each casing string:

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

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Environmental Protection

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

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig.
Fresh Water/Coal - 15.9 ppg PNE-1 + 3% bwoc CaCl₂, 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess. CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess, Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess. CTS
Production - Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170, Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess, Lead Yield=1.19, Tail Yield=1.94, CTS

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.



1211 N-5H
Marcellus Shale Horizontal
Lewis County, WV

Ground Elevation			1211 N-5H SHL				14211837.96N 1789516.42E			
Azm			1211 N-5H LP				14212802.35N 1790237.59E			
WELLBORE DIAGRAM			1211 N-5H BHL				14227267.87N 1785126.01E			
HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
	30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness
	26"	20" 94# J-55	Fresh Water	0	205	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
			Kittaning Coal	919	924					
			Fresh Water Protection	0	1000					
	17.5"	13-3/8" 68# J-55 BTC	Big Lime	1480	1545	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 every joint <i>*will also be running ACP for isolating storage zone*</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi
			Injun / Gantz (Storage)	1545 / 1830	1650 / 1890					
			Intermediate 1	0	2040					
	12.25"	9-5/8" 40# J-55 BTC	Fifty / Thirty Foot	1940 / 2037	1965 / 2060	AIR / KCL Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	Bow Spring on first 2 joints then every third joint to 100' form surface	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=3950 psi
			Gordon Stray / Gordon	2060 / 2130	2130 / 2220					
			5th Sand	2320	2360					
			Bayard Sand	2405	2420					
	8.75" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3025	3041	AIR / 9.0ppg SOBM	Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess Lead Yield=1.19 Tail Yield=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note:Actual centralizer schedules may be changed due to hole conditions
Balltown			3250	3290						
Benson			4340	4350						
8.5" Curve	Rhinestreet		6107	6377	11.5ppg-12.5ppg SOBM					
	Cashaqua		6377	6477						
	Middlesex		6477	6509						
	West River		6509	6580						
	Burkeit		6580	6590						
	Tully Limestone		6590	6698						
	Hamilton		6698	6753						
8.5" Lateral	TMD / TVD (Production)		22692	6800	11.5ppg-12.5ppg SOBM					
	Onondaga		6835							

LP @ 6800' TVD / 7344' MD

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

+/-15348' ft Lateral

TD @ +/-8800' TVD
+/-22692' MD

X=centralizers

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8,845' to Bottom Hole

4,547' to Top Hole

BTM LATITUDE 39 - 12 - 30
TOP LATITUDE 39 - 10 - 00

LONGITUDE 80 - 27 - 30

HG Energy II Appalachia, LLC
Well No. McDonald 1211 N-5H
MOD

McDonald
1211 N-5H
Bottom Hole

Page 1 of 2

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, P.S. 2070



Tag	Bearing	Dist.
L1	S 76°20' W	2,949.9'
L2	N 75°51' W	2,336.3'
L3	N 29°27' W	2,064.7'
L4	N 46°51' E	1,191.4'
L5	N 36°47' E	1,204.2'

Notes:

Well No. McDonald 1211 N-5H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,211,837.96'
E: 1,789,516.42'
Landing Point Coordinates
N: 14,212,802.35'
E: 1,790,237.59'
Bottom Hole Coordinates
N: 14,227,267.87'
E: 1,785,126.01'

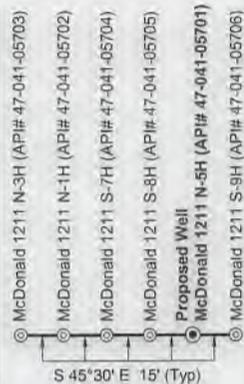
Notes:

Well No. McDonald 1211 N-5H
West Virginia Coordinate System
of 1927, North Zone
based upon Differential GPS
Measurements.
Top Hole coordinates
Latitude: 39°08'02.02"
Longitude: 80°28'27.72"
Bottom Hole coordinates
Latitude: 39°10'34.83"
Longitude: 80°29'22.35"
UTM Zone 17, NAD 1983
Top Hole Coordinates
N: 4,331,776.874m
E: 545,445.696m
Bottom Hole Coordinates
N: 4,336,479.920m
E: 544,107.496m
Plat orientation and corner and
well references are based upon
the grid north meridian.
Well location references are based
upon the magnetic meridian.

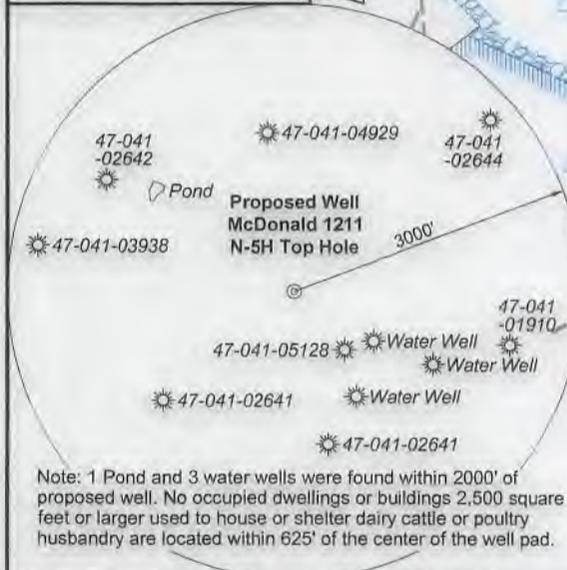
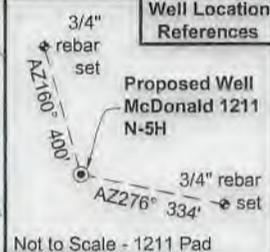
Legend

- ⊙ Proposed gas well
- ⊙ Well Reference, as noted
- ⊙ Monument, as noted
- ⊙ Existing Well, as noted
- ⊙ Existing Plugged Well, as noted
- ⊙ Digitized Well, as noted
- County Line
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

Wellhead Layout (Not to Scale)



Well Location References



FILE NO: 79-36-12-U-F-18
DRAWING NO: 1211 N-5H 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: January 29 20 21
OPERATOR'S WELL NO. McDonald 1211 N-5H
API WELL NO ^{Mod}
47 - 041 - 05701
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: HG Energy II Appalachia, LLC
ROYALTY OWNER: Mary R. Post, et al, et al LEASE NO: ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,693' MD 6,800' TVD

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



ID	Lease
1	J.L. Post, et al
2	HG Energy II Appalachia, LLC
3	Rosa L. Brown, et al
4	Cora B. Allman, et al
5	Guinn Minter, et al
6	HG Energy II Appalachia, LLC
7	W.R. Neeley, et al
8	HG Energy II Appalachia, LLC
9	J.H. Neeley & et al
10	R.C. McDonald, et al
11	R.C. McDonald, et ux, et al
12	B.F. Thrash, et ux
13	Lola McDonald, et al
14	George Paul Linn
15	HG Energy II Appalachia, LLC
16	Mary E. Post, et al
17	A.D. Beeghley & et al
18	Arthur Beeghley & et al
19	James Beeghley, et al
20	Guinn Minter, et al
21	A.W. Davis
22	Mary Robinson, et al
23	C.C. Ash
24	C.M. Garrett, et al
25	Worthy R. Lowman
26	W.L. Oldaker, et al
27	Worthy R. Lowman
28	William & Sue Gaston
29	E. Rider, et al
30	D.M. Cole, et al
31	Jesse B. Knight, et al
33	Guinn Minter, et al
34	L.W. Davis, et al
35	Henry L. Frashuer, et al
36	Henry L. Frashuer, et al

No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	CNX Gas Company, LLC	680 / 266	61.50
2	7B / 11	CNX Gas Company, LLC	680 / 266	54.50
3	7B / 13	Melvin B. & Terri D. Woods	672 / 241	25.50
4	7B / 10.1	Charles H. & Vanessa D. Brosius	616 / 527	5.00
5	7B / 21	John J. Oldaker, Jr.	658 / 56	65.00
6	7B / 22	CNX Gas Company, LLC	680 / 266	73.676
7	7B / 23	Atlantic Coast Pipeline, LLC	700 / 779	167.89
8	7B / 9	Brincefield Family Trust	588 / 740	56.76
9	7B / 1	Mary Lou Curry	681 / 626	98.12
10	6B / 40	Robert G. & Leah V. Burnside	660 / 388	126.50
11	444 / 15	Marjorie Neely	830 / 349	53.46
12	443 / 15	John C. & Donna R. Holden	1581 / 551	127.94
13	443 / 29.3	Ruth Burnside	1268 / 1168	1.426
14	443 / 29.1	Laurie D. & Marion D. Watts Jr.	1462 / 1312	0.70
15	443 / 29	Danny L. & Rebecca A. Stickel	1258 / 1130	39.01
16	443 / 29.2	Steve L. & Nadine J. Villers	1226 / 203	0.21
17	443 / 14	Steve L. & Nadine J. Villers	1180 / 529	102.03
18	443 / 16	Elizabeth Ann Summerfield	1548 / 263	11.92
19	423 / 28	Christopher M. Gillespie, et al	1479 / 475	88.00
20	423 / 27	James C. Garrett	1412 / 891	128.82
21	423 / 8	James McDonald	1570 / 597	176.00
22	423 / 7	K. Wade & Mary M. Dickinson	1275 / 942	197.98
23	423 / 6	K. Wade & Mary M. Dickinson	1275 / 492	127.39
24	423 / 20	Jefferson Lambert & Linda J. Ashcraft	1320 / 409	56.47
25	423 / 20.2	Edward W. & Leeann Gump	1320 / 404	1.93
26	423 / 20.1	Edward W. & Leeann Gump	1428 / 1200	7.54
27	423 / 5	Ernest Aubrey Rider	1136 / 136	137.48
28	423 / 6.1	Ronald L. & Susan D. Cochran	1588 / 403	0.34
29	423 / 7.1	Ronald L. & Susan D. Cochran	1588 / 403	0.38
30	423 / 7.5	Ronald L. & Susan D. Cochran	1588 / 403	0.30
31	423 / 7.2	Jason Murphy	1386 / 378	0.38
32	423 / 7.3	Ronald L. & Susan D. Cochran	1588 / 403	0.26
33	423 / 7.8	Gary Leonard & Roberta L. Gray	1268 / 729	1.52
34	423 / 7.6	Gary Leonard & Roberta L. Gray	1244 / 1218	1.00
35	403 / 26	Anthony G. Queen Estates	1320 / 223	1.03
36	403 / 25	Carol Daugherty Skidmore	WB145/359	201.00
37	403 / 27	Mary V. Gabriel	WB146/481	63.00

FILE NO: 79-36-12-U-F-18
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MINIMUM DEGREE OF ACCURACY: Submeter
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OIL AND GAS DIVISION

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STATE COUNTY PERMIT

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LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

QUADRANGLE: West Milford
COUNTY: Lewis
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC
ROYALTY OWNER: Mary R. Post, et al, et al LEASE NO: ACREAGE: 145.00

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HG Energy II Appalachia, LLC
Well No. McDonald 1211 N-5H
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McDonald
 1211 N-5H
 Bottom Hole

Page 1 of 2

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 and the rules issued and prescribed
 by the Department of Environmental
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Dwayne D. Matheny
 Dwayne D. Matheny, P.S. 2070

8,845' to Bottom Hole
 4,547' to Top Hole
 BTM LATITUDE 39 - 12 - 30
 TOP LATITUDE 39 - 10 - 00



LONGITUDE 80 - 27 - 30

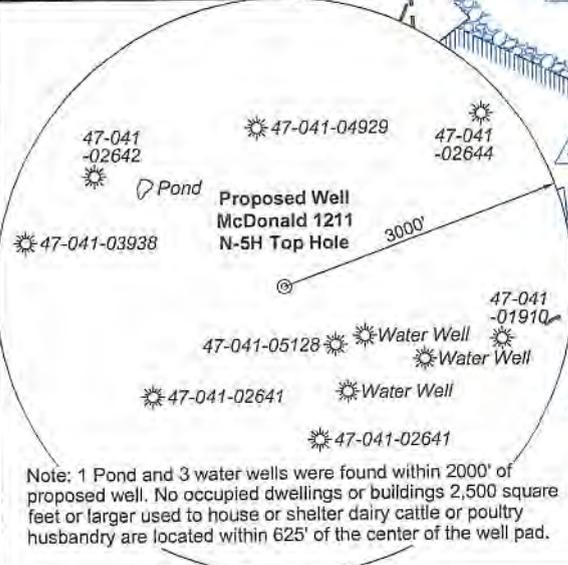
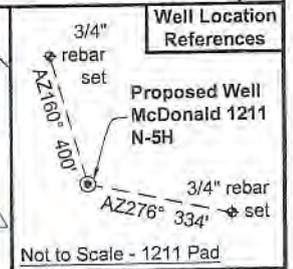
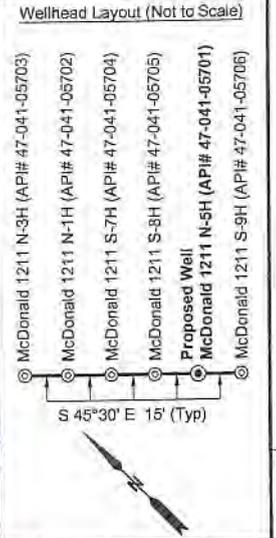
Tag	Bearing	Dist.
L1	S 76°20' W	2,949.9'
L2	N 75°51' W	2,336.3'
L3	N 29°27' W	2,064.7'
L4	N 46°51' E	1,191.4'
L5	N 36°47' E	1,204.2'

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 E: 544,107.496m
 Plat orientation and corner and
 well references are based upon
 the grid north meridian.
 Well location references are based
 upon the magnetic meridian.

Legend

- ⊙ Proposed gas well
- ⊕ Well Reference, as noted
- ⊗ Monument, as noted
- ⊛ Existing Well, as noted
- ⊙ Existing Plugged Well, as noted
- ⊙ Digitized Well, as noted
- County Line
- - - Existing Road
- Surface boundary (approx.)
- - - Interior surface tracts (approx.)



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 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
 DISTRICT: Freemans Creek
 SURFACE OWNER: HG Energy II Appalachia, LLC
 ROYALTY OWNER: Mary R. Post, et al, et al LEASE NO: ACREAGE: 145.00
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,693' 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



11,933 to Top Hole
 11,650 to Bottom Hole

03/26/2021



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ID	Lease
1	J.L. Post, et al
2	HG Energy II Appalachia, LLC
3	Rosa L. Brown, et al
4	Cora B. Allman, et al
5	Guinn Minter, et al
6	HG Energy II Appalachia, LLC
7	W.R. Neeley, et al
8	HG Energy II Appalachia, LLC
9	J.H. Neeley & et al
10	R.C. McDonald, et al
11	R.C. McDonald, et ux, et al
12	B.F. Thrash, et ux
13	Lola McDonald, et al
14	George Paul Linn
15	HG Energy II Appalachia, LLC
16	Mary E. Post, et al
17	A.D. Beeghley & et al
18	Arthur Beeghley & et al
19	James Beeghley, et al
20	Guinn Minter, et al
21	A.W. Davis
22	Mary Robinson, et al
23	C.C. Ash
24	C.M. Garrett, et al
25	Worthy R. Lowman
26	W.L. Oldaker, et al
27	Worthy R. Lowman
28	William & Sue Gaston
29	E. Rider, et al
30	D.M. Cole, et al
31	Jesse B. Knight, et al
33	Guinn Minter, et al
34	L.W. Davis, et al
35	Henry L. Frashuer, et al
36	Henry L. Frashuer, et al

No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	CNX Gas Company, LLC	680 / 266	61.50
2	7B / 11	CNX Gas Company, LLC	680 / 266	54.50
3	7B / 13	Melvin B. & Terri D. Woods	672 / 241	25.50
4	7B / 10.1	Charles H. & Vanessa D. Brosius	616 / 527	5.00
5	7B / 21	John J. Oldaker, Jr.	658 / 56	65.00
6	7B / 22	CNX Gas Company, LLC	680 / 266	73.676
7	7B / 23	Atlantic Coast Pipeline, LLC	700 / 779	167.89
8	7B / 9	Brincefield Family Trust	588 / 740	56.76
9	7B / 1	Mary Lou Curry	681 / 626	98.12
10	6B / 40	Robert G. & Leah V. Burnside	660 / 388	126.50
11	444 / 15	Marjorie Neely	830 / 349	53.46
12	443 / 15	John C. & Donna R. Holden	1581 / 551	127.94
13	443 / 29.3	Ruth Burnside	1268 / 1168	1.426
14	443 / 29.1	Laurie D. & Marion D. Watts Jr.	1462 / 1312	0.70
15	443 / 29	Danny L. & Rebecca A. Stickel	1258 / 1130	39.01
16	443 / 29.2	Steve L. & Nadine J. Villers	1226 / 203	0.21
17	443 / 14	Steve L. & Nadine J. Villers	1180 / 529	102.03
18	443 / 16	Elizabeth Ann Summerfield	1548 / 263	11.92
19	423 / 28	Christopher M. Gillespie, et al	1479 / 475	88.00
20	423 / 27	James C. Garrett	1412 / 891	128.82
21	423 / 8	James McDonald	1570 / 597	176.00
22	423 / 7	K. Wade & Mary M. Dickinson	1275 / 942	197.98
23	423 / 6	K. Wade & Mary M. Dickinson	1275 / 492	127.39
24	423 / 20	Jefferson Lambert & Linda J. Ashcraft	1320 / 409	56.47
25	423 / 20.2	Edward W. & Leeann Gump	1320 / 404	1.93
26	423 / 20.1	Edward W. & Leeann Gump	1428 / 1200	7.54
27	423 / 5	Ernest Aubrey Rider	1136 / 136	137.48
28	423 / 6.1	Ronald L. & Susan D. Cochran	1588 / 403	0.34
29	423 / 7.1	Ronald L. & Susan D. Cochran	1588 / 403	0.38
30	423 / 7.5	Ronald L. & Susan D. Cochran	1588 / 403	0.30
31	423 / 7.2	Jason Murphy	1386 / 378	0.38
32	423 / 7.3	Ronald L. & Susan D. Cochran	1588 / 403	0.26
33	423 / 7.8	Gary Leonard & Roberta L. Gray	1268 / 729	1.52
34	423 / 7.6	Gary Leonard & Roberta L. Gray	1244 / 1218	1.00
35	403 / 26	Anthony G. Queen Estates	1320 / 223	1.03
36	403 / 25	Carol Daugherty Skidmore	WB145/359	201.00
37	403 / 27	Mary V. Gabriel	WB146/481	63.00

Lewis County

Harrison County

FILE NO: 79-36-12-U-F-18
DRAWING NO: 1211 N-5H 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: January 29 2021
OPERATOR'S WELL NO. McDonald 1211 N-5H
API WELL NO
47 - 041 - 05701
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek

QUADRANGLE: West Milford
COUNTY: Lewis
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC
ROYALTY OWNER: Mary R. Post, et al, et al LEASE NO: ACREAGE: 145.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,693' MD

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

WW-6A1
(5/13)

Operator's Well No. McDonald 1211 N-5H

**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 **

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Environmental Protection

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: HG Energy II Appalachia, LLC
 By: Diane White *Diane White*
 Its: Agent

1211N - 5H LEASE CHAIN

TRACT #	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE				
16	FK053254	03-007B-0010-0000 03-007B-0011-0000 03-007B-0013-0000 p/o 03-007B-0010-0001	Q10048600	MARY E. POST; J. L. POST; F. L. POST AND B. J. POST, HIS WIFE; IDA B. GASTON AND CLARK GASTON, HER HUSBAND; G. W. POST AND FLAVA POST, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	291				
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202				
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127				
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION TRANSMISSION, INC.	DOMINION EXPLORATION & PRODUCTION, INC.	ASSIGNMENT	620	139				
				DOMINION EXPLORATION & PRODUCTION, INC.	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651	137				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM 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	139				
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527				
				20	FK108080	20-0443-0029-0000 20-0443-0029-0001 20-0443-0029-0003 20-0444-0002-0000 20-0444-0001-0000 20-0444-0024-0000 20-00444-0025-0000 p/o 03-007B-0001-0000 p/o 03-007B-0001-0000 p/o 20-0443-0015-0000 p/o 20-0443-0016-0000 p/o 20-0443-0015-0000	Q101020000	GUINN MINTER AND JANE MINTER, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	LEWIS 227 HARRISON 174	174 203
								RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	LEWIS 155 HARRISON 508	202 573
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	LEWIS 294 HARRISON 903					89 179				
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	LEWIS 425 HARRISON 1136					127 250				
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 FARMOUT AGREEMENT	LEWIS 672 HARRISON 1522					154 33				
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM FARMOUT AGREEMENT	HARRISON 1524					491				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	LEWIS 684					57				
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	LEWIS 712 HARRISON 1576					848 125				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	LEWIS 717					1				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	LEWIS 722					139				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600					660				
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS									
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	LEWIS 723					527				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	LEWIS 723 HARRISON 1601					499 581				

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19	FK053257	All or p/o 03-007B-0008-0000	Q101026000 HGII139	JAMES M. BEEGHLEY AND ETTA BEEGHLEY, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	300				
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202				
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127				
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM 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				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	CORRECTIVE ASSIGNMENT	725	784				
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139				
				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	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				18	FK064207	03-007B-0007-0000	Q100296000 HGII141	ARTHUR D. BEEGHLEY AND ETTA M. BEEGHLEY, HIS WIFE; MARY B. WIMER AND A. L. WIMER, HER HUSBAND; GERTRUDE SMITH AND HOMER W. SMITH, HER HUSBAND; H. E. BEEGHLEY AND RENNA BEEGHLEY, HIS WIFE; AND EARL BEEGHLEY AND FLORA BEEGHLEY, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	219	503
								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 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				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	CORRECTIVE ASSIGNMENT	725					784				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					139				
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	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723					527				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF	723					499				
17	FK064208	03-007B-0006-0000	Q100594000 HGII140					ARTHUR D. BEEGHLEY AND ETTA M. BEEGHLEY, HIS WIFE; MARY B.	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	219	490
								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 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	139				
				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	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF	723	499				
								ROSA L. BROWN AND WADE H. BROWN, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	224	230
								HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
								CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127

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Environmental Protection

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 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
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	CORRECTIVE ASSIGNMENT AND BILL OF SALE	725	784
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
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	723	527
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	499
CORA B. ALLMAN AND S. M. ALLMAN, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	224	222
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 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	139
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	527
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	499
GUINN MINTER AND JANE MINTER, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	LEWIS 227 HARRISON 174	174 203
RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	LEWIS 155 HARRISON 508	202 573
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	LEWIS 294 HARRISON 903	89 179
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	LEWIS 425 HARRISON 1136	127 250
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 FARMOUT AGREEMENT	LEWIS 672 HARRISON 1522	154 33
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM FARMOUT AGREEMENT	HARRISON 1524	491
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	LEWIS 684 HARRISON 1543	57 1235
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	LEWIS 712 HARRISON 1576	848 125
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	LEWIS 717 HARRISON 1584	1 942
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	LEWIS 722 HARRISON 1600	139 660
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600	692
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	

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p/o 03-007B-0023-000

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20-0443-0029-0001
20-0443-0029-0003
20-0444-0002-0000
20-0444-0001-0000
20-0444-0024-0000
20-0444-0025-0000
p/o 03-007B-0001-0000
p/o 03-007B-0001-0000
p/o 20-0443-0015-0000
p/o 20-0443-0016-0000
p/o 20-0443-0015-0000

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7	FK052898	20-0443-0015-0000 20-0444-0015-0000	Q100381000	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	LEWIS 723	527
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	LEWIS 723 HARRISON 1601	499 581
				W.R. NEELY AND L.E. NEELY	RESERVE GAS COMPANY	NOT LESS THAN 1/8	174	205
				EDWARD G. SMITH AND JESSIE B. SMITH	RESERVE GAS COMPANY	FEE CONVEYANCE	77	264
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	FEE CONVEYANCE	508	573
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPERATION	MERGER/NAME CHANGE	903	179
				CONSOLIDATED GAS SUPPLY CORPERATION	CONSOLIDATED GAS TRANSMISSION CORPERATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPERATION	CNG GAS TRANSMISSION CORPERATION	MERGER/NAME CHANGE	51	795
				CNG GAS TRANSMISSION CORPERATION	DOMINION TRANSMISSION, INC	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC	CNX GAS COMPANY, LLC	FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC	CNX GAS COMPANY, LLC	AMENDMENT TO FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY, LLC	NOBLE ENERGY, INC	LIMITED PARTIAL ASSIGNMENT OF FARMOUT	1543	1235
				CNX GAS COMPANY, LLC	NOBLE ENERGY, INC	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION INC	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION ENERGY TRANSMISSION INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581				
8	FK052752	20-0443-0015-0000 20-0444-0016-0000 20-0444-0017-0000 20-0444-0018-0000 20-0444-0018-0001 p/o 03-0007-0001-0000 04-007B-0001-0000	FK052752 FEE	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY, LLC AND NOBLE ENERGY, INC	NOT LESS THAN 1/8	HARRISON 1601 LEWIS 692	563 570
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	HARRISON 1522 LEWIS 672	33 154
				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	HARRISON 1601 LEWIS 723	581 257
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	HARRISON 1584 LEWIS 717	942 1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	HARRISON 1600 LEWIS 722	660 139
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FEE CONVEYANCE	1627	1254
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	HARRISON 1621 LEWIS 734	1295 558
				J. H. NEELY AND CLAUDIE NEELY, HIS WIFE (1/2)	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	732	315
				WM. A. JACKSON (1/2)	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	769	40
9	FK064871	20-0443-0014-0000 20-0443-0016-0000 p/o 20-0443-0028-0000	Q100993000	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS LLC VI, CONSOL ENERGY HOLDINGS LLC XVI, CONSOL GAS COMPANY LLC, CNX GAS COMPANY LLC	MERGER/NAME CHANGE	1472	294
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	660

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				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	692
				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	1601	581
				C.M. GARRETT AND DELPHIA GARRETT, HIS WIFE; CHARLES M. GARRETT, JR. AND HILDA GARRETT, HIS WIFE; JOSEPH R. GARRETT	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	727	333
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				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	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	660
				DOMINION ENERGY TRANSMISSION INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				R. C. MCDONALD AND M. B. MCDONALD, HIS WIFE; AND A. M. MCDONALD AND LYDIA D. MCDONALD, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	237	89
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	271	388
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	508	573
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				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	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION INC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT AND BILL OF SALE	1600	660
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT AND BILL OF SALE	1600	692
				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	1601	581
				R C MCDONALD, M.B. MCDONALD; A.M. MCDONALD AND LYDIA MCDONALDET AL	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	237	94
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPERATION	MERGER/NAME CHANGE	903	179
				CONSOLIDATED GAS SUPPLY CORPERATION	CONSOLIDATED GAS TRANSMISSION CORPERATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPERATION	CNG GAS TRANSMISSION CORPERATION	MERGER/NAME CHANGE	51	795
				CNG GAS TRANSMISSION CORPERATION	DOMINION TRANSMISSION, INC	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC	CNX GAS COMPANY, LLC	FARMOUT AGREEMENT	1522	33
				CNX GAS COMPANY, LLC	NOBLE ENERGY, INC	LIMITED PARTIAL ASSIGNMENT	1543	1235
				CNX GAS COMPANY, LLC	NOBLE ENERGY, INC	ASSIGNMENT	1584	942

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12	FK014710	20-0423-0006-0000 20-0423-0006-0001 p/o 20-0423-0007-0000 p/o 20-0423-0008-0000	Q101152000	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT AND BILL OF SALE	1600	660
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT AND BILL OF SALE	1600	692
				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	1601	581
				B. F. THRASH AND M. E. THRASH, HIS WIE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	183	298
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	DOMINION EXPLORATION & PRODUCTION, INC.	ASSIGNMENT	1374	110
				DOMINION EXPLORATION & PRODUCTION, INC.	DOMINION TRANSMISSION, INC.	ASSIGNMENT	1457	978
				DOMINION TRANSMISSION INC	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT (WELL #6597)	1458	299
				CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	59	1019
				CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	1472	294
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	942
				28	FK002350	20-0423-0020-0000 20-0423-0020-0001 20-0423-0020-0002	Q101147000	NOBLE ENERGY, INC.
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601					581
WILLIAM GASTON AND SUE GASTON, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	113					439
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903					179
PENNZOIL COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	1126					2
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136					250
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51					795
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58					362
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522					33
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM FARMOUT AGREEMENT	1524					491
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543					1235
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576					125
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584					942
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600					660
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	1601	581				
				LOLA MCDONALD, WIDOW; E. B. MCDONALD AND GARNET L. MCDONALD, HIS WIFE; MACEL R. NICHOLSON AND W. B. NICHOLSON, HER HUSBAND; BARBARA V. HARRIS AND RICHARD R. HARRIS, HER HUSBAND; LUCILE M. WALLS, JOHN R. MCDONALD AND NINA MCDONALD, HIS WIFE; FRANK H. MCDONALD AND EVELYN B. MCDONALD, HIS WIFE; W. PAUL MCDONALD AND FRED A. G. MCDONALD, HIS WIFE; ROBERT H. MCDONALD AND EVELYN MCDONALD, HIS WIFE; AND MARY MCDONALD, SINGLE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	936	533
				ALAMCO, INC. FORMERLY ALLEGHENY LAND AND MINERAL COMPANY	ENSOURCE INC.	PARTIAL ASSIGNMENT	1170	609

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13	FK076952	20-0423-0007-0000 20-0423-0007-0004 20-0423-0007-0007	Q101000000	RECEIVED Office of Oil and Gas FEB 05 2021 WV Department of Environmental Protection	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795					
					ALAMCO INC	UMC PETROLEUM CORPORATION	ASSIGNMENT	1218	1012					
					UMC PETROLEUM CORPORATION	ASHLAND EXPLORATION CORPORATION INC	ASSIGNMENT	1263	494					
					CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362					
					DOMINION TRANSMISSION INC	DOMINION EXPLORATION AND PRODUCTION	ASSIGNMENT	1340	815					
					DOMINION EXPLORATION & PRODUCTION, INC.	DOMINION TRANSMISSION, INC.	ASSIGNMENT	1457	978					
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33					
							FIRST AMENDMENT TO MEMORANDUM FARMOUT AGREEMENT	1524	491					
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	1543	1235					
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1576	125					
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1584	942					
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE							
							ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	660					
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	MERGER/NAME CHANGE	WVSOS						
					DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581					
					14	FK108087	20-0403-0027-0000 20-0403-0027-0001	Q100819000		IRENE Q. LINN AND G. PAUL LINN, HER HUSBAND	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	935	629
										CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
										CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362										
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33										
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235										
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125										
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	942										
		ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	660										
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	MERGER/NAME CHANGE	WVSOS											
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581										
15	FK108123 FEE	20-0403-0026-0000	FK108123 FEE		LUCY W QUEEN ET AL	HOPE NATURAL GAS COMPANY	FEE CONVEYANCE	239	183					
					RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	FEE CONVEYANCE	508	573					
					HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	MERGER/NAME CHANGE	903	179					
					CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250					
					CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG GAS TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795					
					CNG GAS TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362					
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY, LLC	FARMOUT AGREEMENT	1522	33					
					CNX GAS COMPANY, LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT OF FARMOUT	1543	1235					
					CNX GAS COMPANY, LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942					
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692					
					DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS						
					DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FAF	1601	581					
					DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FEE CONVEYANCE	1627	1254					



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

February 3, 2021

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

RE: McDonald 1211 N-5H Permit Revision – (47-041-05701)
Freemans Creek District, Lewis County
West Virginia

Dear Ms. Kees -

Per discussions with Barry Stollings, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic and WW6A-1) for the 1211 N-5H well work permit. We request the permit be modified to reflect the current leases secured for this lateral.

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

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Barry Stollings – Inspector

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03/26/2021

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Permit Modification

Received date: 2/3/21

Well Name: N-5H

Operator: HE

API: 41-05701

Pad Name: McDonald

	MODIFIED PERMIT	ORIGINAL PERMIT 1/25/21 Mod
TVD	6800	✓
TMD	22692	26,490
HL	15348	19,146
FW	34,107, 205, 229, 249	✓
SW	1299, 1675	✓
COAL	810 - 815	✓
CONDUCTOR	120	✓
FRESHWATER	1000	✓
INTERMEDIATE 1	2040	✓
INTERMEDIATE 2	2750	✓
PRODUCTION	22692	26490

Notes: _____

