

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-3H

47-041-05703-00-00

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.

James A. Martin

Chief /

Operator's Well Number: MCDONALD 1211 N-3H

Farm Name: HG ENERGY II APPALACHIA, LLC

U.S. WELL NUMBER: 47-041-05703-00-00

Horizontal 6A New Drill

Date Modification Issued: 3/18/21

Promoting a healthy environment.

API NO. 47- OPERATOR WELL NO. McDonald 1211 N-3H
Well Pad Name: McDonald 1211

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

1) Well Operator: HG Er	ergy II Appa	lachia,	494519932	Lewis	Freeman	West Milford 7.5'
i) ((on operator)			Operator ID	County	District	Quadrangle
2) Operator's Well Numbe	r; McDonald	1211 N-	3H Well P	ad Name: Mo	Donald 121	1
3) Farm Name/Surface Ow	mer: McDor	ald	Public R	oad Access:	SR 19	
4) Elevation, current grour	nd: 1280'	El	evation, propose	d post-constru	iction: 1264.	5'
5) Well Type (a) Gas Other	×	Oil	Un	derground Sto	orage	
(b)If Gas	Shallow	X	Deep			
6) Existing Pad: Yes or No	Horizontal No	X		Ba	y Stop	2-2-21
7) Proposed Target Format Marcellus at 6753'/6835'				s and Expected		
8) Proposed Total Vertical	Depth: 6800)'				
9) Formation at Total Vert		Marcellus				
10) Proposed Total Measu	red Depth: 2	23,267'				
11) Proposed Horizontal L	eg Length:	16,021'				
12) Approximate Fresh Wa	ater Strata De	oths:	34', 107', 205'	, 229', 249'		
13) Method to Determine l	Fresh Water D	epths: N	Nearest offset w	vell data, (47-	041-5128, 39	938, 4929)
14) Approximate Saltwate	r Depths: 12	99', 1675				
15) Approximate Coal Sea	m Depths: 81	0' to 815', (S	urface casing being ex	ktended to cover ad	ditional seams of	coal in the DTI Storage Field)
16) Approximate Depth to	Possible Voice	d (coal mi	ne, karst, other)	None		
17) Does Proposed well lo directly overlying or adjac			ns Yes		No X	
(a) If Yes, provide Mine	Info: Name:					RECEIVED Office of Oil and Gas
A TO THE PARTY OF	Depth	-				FEB 0 5 2021
	Seam:				,	WV Department of
	Owner	:				TIME THE PROPERTY OF THE PROPE

API NO. 447 0 4 1 0 5 7 0 3

OPERATOR WELL NO. McDonald 1211 N-3H

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	23267'	23267'	CTS
Tubing	1						
Liners							

Bay Stilly 2-2-21

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (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 Lea
Production	5 1/2"	8 1/2"	.415	16240	12000	Type 1/ClassA	20% excess yield = 1,19, tad yield 1,94.1
Tubing							
Liners							

PACKERS

Kind:	RECEIVED
Sizes:	Office of Oil and Gas FEB 0.5. 2021
Depths Set:	WV Department of Environmental Protection

WW-6B (10/14) API NO. 47 7 0 4 1 0 5 7 0 3

OPERATOR WELL NO. McDonald 1211 N-3H Well Pad Name: McDonald 1211

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 16,021 lateral length, 23,267 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): 22.75 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:

Artifizers will be used with conductor casing, rater/Coal - centralized every 3 joints to surface. Sediate 1 - Bow Spring on every joint, will also be running ACP for isolating delate 2 - Bow Spring on first 2 joints then every third joint to 100 from sur

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FEB 05 2021

WV Department of **Environmental Protection**

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

Conductor +V/A, Casing to be drilled in w/ Dual Rotary Rig.
Frosh Water/Coal - 1.5.6 ppg PNE-1 + 3% bwoc CaCl, 40% Excess Yield * 1.20, CTS
Intermediate 1 - Leach 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 40% Excess / Tai: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS
Intermediate 2 - Leach 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 40% Excess. Tai: 15.9 ppg, PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS
Intermediate 2 - Leach 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 40% Excess. Tai: 15.9 ppg, PNE-1 + 2.5% bwoc CaCl, zero% Excess. CTS
Intermediate 2 - Leach 1.5.4 ppg PNE-1 + 2.5% bwoc CaCl, 2ero% Excess. CTS
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25) Proposed borehole conditioning procedures:

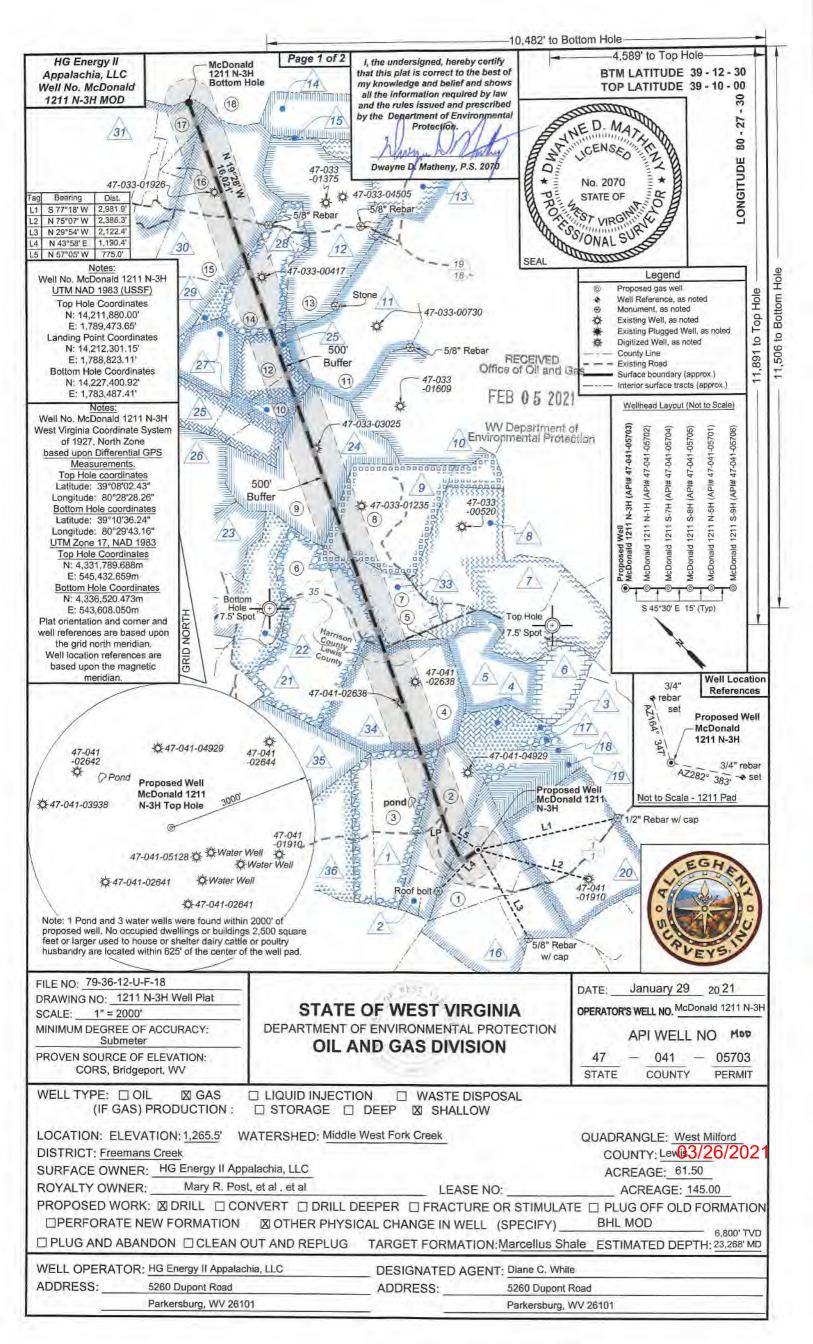
*Note: Attach additional sheets as needed.



1211 N-3H

Marcellus Shale Horizontal

ENERGY							Lewis County, WV					
1211						N-3H SHL 14211880N 1789473.65E						
Ground El	levation		1265.	5'		1211 N-3H LP 14212301.15N 178				212301.15N 17888	823.11E	
Azm		340.538°				1211 N	N-3H BH	L	14	227400.92N 17834	87.41E	
WELLBORE I	DIAGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
	X	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" w thickness	
			20"	Fresh Water	Q.	205		15.6 ppg PNE-1 + 3% bwoc CaCl	Centralized every 3	Once casing is at setting depth, circulate a minimum	Surface casing = 0.438" w	
	X	26"	94# J-55	Kittaning Coal	919	924	AIR	40% Excess	joints to surface	of one hole volume with Fresh Water prior to	h thickness Burst=2110 psi	
x	x			Fresh Water Protection	0	1000		Yield=1.20 / CTS		pumping cement.	Duist-2110 pai	
				-	11100	3.00	NE UVO	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl	Bow Spring on every	Once casing is at setting depth, Circulate and	Intermediate casing = 0.48 wall thickness Burst=3450 psi	
		17.5"	13-3/8" 68#	Big Lime	1480	1545	AIR / KCL Salt	40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	joint "will also be running ACP for isolating storage zone"	condition at TD. Circulate a minimum of one hole volume prior to pumping cement.		
A	X		J-55 BTC	Injun / Gantz (Storage)	1545 / 1830	1650 / 1890	Polymer					
X				Intermediate 1	0	2040						
	X		9-5/8" 40# J-55 BTC	Fifty / Thirty Foot	1940 / 2037	1965 / 2060		Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9	Bow Spring on first 2	condition mud at TD. wall	Intermediate casing = 0.395	
		1		Gordon Stray / Gordon	2060 / 2130	2130 / 2220						
		12,25"		5th Sand	2320	2360		ppg PNE-1 + 2.5% bwoc	joint to 100' form		wall thickness Burst=3950 psi	
	X			Bayard Sand	2405	2420		CaCl zero% Excess, CTS	surface		20,21, 2004 [2]	
				Intermediate 2	0	2750		Zeib // Lixcess, C15				
X	X	8.75" Vertical	al	Speechley	3025	3041	AIR / 9.0ppg	g Lead: 14.5 ppg top of the curve to surface.	every 5 joints from the			
				Bailtown	3250	3290						
				Benson	4340	4350	SOBM					
				Rhinestreet	6107	6377		bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk		Once on bottom/TD with		
				Cashaqua	6377	6477		FP13L + 0.3% bwoc MPA170	least 2x bottoms up, or until wa	Production casing = 0.4		
x	×		5-1/2" 23#	Middlesex	6477	6509	11.5ppg-	Tail: 14.8 ppg PNE-1 +			ntil wall thickness Burst≍16240 psi	
		8,5" Curve	P-110 HP	West River	6509	6580	12.5ppg-	0.35% bwoc R3 + 0.75 gal/sk FP13L + 50%		returns and pump pressures indicate the hole		
			CDC HTQ	Burkett	6580	6590	SOBM	bwoc ASCA1 + 0.5%	Run 1 spiral centralizer every 3 joints from the	is clean. Circulate a minimum of one hole	schedules may be chan due to hole condition	
				Tully Limestone	6590	6698		bwoc MPA170 20% Excess	1st 5.5" long joint to the	volume prior to pumping	THE RESERVE OF THE PARTY OF THE	
				Hamilton	6698	6753		Lead Yield=1.19 Tail Yield=1.94	top of the curve.	cement.	FEB FEB	
				Marcellus	6753	6835	3.505	CTS			D ₀	
		8.5" Lateral	" Lateral	TMD / TVD (Production)	23267	6800	11,5ppg- 12,5ppg SOBM				#5 CA 55	
×	×			Onondaga	6835		SUBIN				IVED II and g	
1000		X	X	X	X		X	X	X	X	so XII o	
		0' TVD / 7246' MD			3.5" Hole - Cemente 5-1/2" 23# P-110 F		7		+/-160	21' ft Lateral	TD @ +/-6860' TVD +/-23267' MD	



HG Energy II Appalachia, LLC Well No. McDonald 1211 N-3H MOD

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ID	Lease		
1	J.L. Post, et al		
2	HG Energy II Appalachia, LLC		
3	Rosa L. Brown, et al		
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22	Mary Robinson, et al		
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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		

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FEB 0 5 2021

WV Department of Environmental Protection

×	No.	TM / Par	Owner	Bk / Pg	Ac.
County	1	7B / 10	CNX Gas Company, LLC	680 / 266	61.50
	2	7B/9	Brincefield Family Trust	588 / 740	56.76
Lewis	3	6B / 41	Brincefield Family Trust	588 / 740	71.619
ĭ	4	6B / 40	Robert G. & Leah V. Burnside	660 / 388	126.50
	5	443 / 29.3	Ruth Burnside	1268 / 1168	1.426
	6	443 / 28	Mary Lou Curry, et al	1539 / 769	139.97
	7	443 / 29	Danny L. & Rebecca A. Stickel	1258 / 1130	39.01
	8	443 / 14	Steve L. & Nadine J. Villers	1180 / 529	102.03
>	9	433 / 27	James C. Garrett	1412 / 891	128.82
County	10	423 / 22	James C. Garrett	1412 / 891	35.58
-	11	423 / 7	K. Wade & Mary M. Dickinson	1275 / 492	197.98
Harrison	12	423 / 21	Jefferson Lambert & Linda J. Ashcraft	1322 / 689	39.77
arri	13	423 / 6	K. Wade & Mary M. Dickinson	1275 / 492	127.39
I	14	423 / 20	Jefferson Lambert & Linda J. Ashcraft	1320 / 409	56.47
	15	423 / 5	Ernest Aubrey Rider	1136 / 136	137.48
	16	423 / 4.4	CNX Gas Co. LLC	1537 / 119	6.95
	17	423 / 4	James E. Dills	1596 / 158	21.32
	18	403 / 25	Carol Daugherty Skidmore	W145 / 359	201.00

FILE NO: 79-36-12-U-F-18

DRAWING NO: 1211 N-3H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:

Submeter

PROVEN SOURCE OF ELEVATION:

CORS, Bridgeport, WV

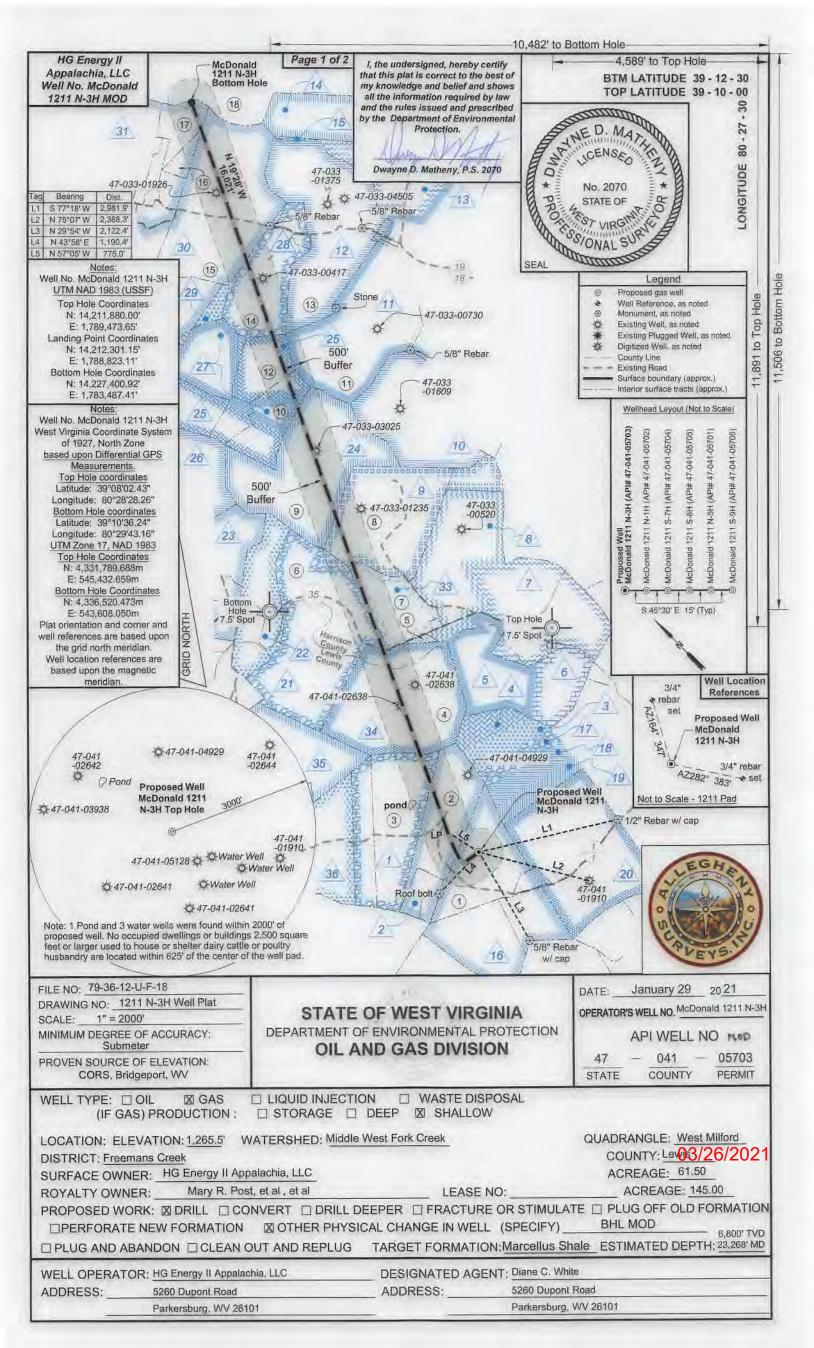
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: _	January 29	2021
OPERATO	R'S WELL NO. McDo	nald 1211 N-3H

API WELL NO MOD

47 − 041 − 05703 STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☐ GAS ☐ LIQUID INJECTION : ☐ STORAGE ☐	ON □ WASTE DISPOSAL DEEP ☒ SHALLOW	
LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle DISTRICT: Freemans Creek SURFACE OWNER: HG Energy II Appalachia, LLC	West Fork Creek	QUADRANGLE: West Milford COUNTY: Levil 3/26/2021 ACREAGE: 61.50
ROYALTY OWNER: Mary R. Post, et al , et al	LEASE NO:	ACREAGE: 145.00
PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL D ☐ PERFORATE NEW FORMATION ☑ OTHER PHYSI		
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG	TARGET FORMATION: Marcellus S	hale ESTIMATED DEPTH: 23,268' MD
WELL OPERATOR: HG Energy II Appalachia, LLC	DESIGNATED AGENT: Diane C. Wh	ite
ADDRESS: 5260 Dupont Road	ADDRESS: 5260 Dupon	t Road
Parkersburg, WV 26101	Parkersburg	, WV 26101



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STATE

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DRAWING NO: _1211 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: January 29 20 21

OPERATOR'S WELL NO. McDonald 1211 N-3H

API WELL NO McD

47 — 041 — 05703

COUNTY

PERMIT

WELL TYPE: ☐ OIL ☑ GAS ☐ LIQUID INJECTION : ☐ STORAGE ☐		
LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle DISTRICT: Freemans Creek SURFACE OWNER: HG Energy II Appalachia, LLC	West Fork Creek	QUADRANGLE: West Milford COUNTY: Lew 23/26/2021 ACREAGE: 61.50
ROYALTY OWNER: Mary R. Post, et al , et al	LEASE NO:	ACREAGE: 145.00
PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DE ☐ PERFORATE NEW FORMATION ☑ OTHER PHYSIC ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG	CAL CHANGE IN WELL (SPECIFY)_	BHL MOD 6.800' TVD
WELL OPERATOR: HG Energy II Appalachia, LLC ADDRESS: 5260 Dupont Road Parkersburg, WV 26101	DESIGNATED AGENT: Diane C. Wh ADDRESS: 5260 Dupont Parkersburg,	ite Road

WW-6A1 (5/13)

Operator's Well No. McDonald 1211 N-3H

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

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

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

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

** See Attached Sheets **

RECEIVED
Office of Oil and Gas

FEB 05 2021

WV Department of 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				

Page 1 of

				1211N - 3H LE	ASE CHAIN			
TRACT#	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
				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	29:
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	8
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425 WVSOS	12
l .				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC. DOMINION EXPLORATION & PRODUCTION, INC.	MERGER/NAME CHANGE ASSIGNMENT	620	13
Ì		03-007B-0010-0000		DOMINION TRANSMISSION, INC. DOMINION EXPLORATION & PRODUCTION, INC.	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651	13
16	FK053254	03-007B-0011-0000	Q10048600	DOMINION EXPLORATION & PRODUCTION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	15
		03-007B-0013-0000	<u>.</u> م	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	5
1		p/o 03-007B-0010-0001	m → m + m + m + m + m + m + m + m + m +	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	84
1			d d G	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
1			and and 20 20 Prof	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	13
			Oii Oii oi oii oi oii oi oii oi oii oii	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			D- 00			SECOND AMENDMENT TO MEMORANDUM OF		
					HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	49
			Office FEB WV C	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	52
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY, LLC AND NOBLE ENERGY, INC	NOT LESS THAN 1/8	692	57
		03-007B-0009-0000 03-007B-0009-0001 03-007B-0009-0002		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	15
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	5
1	FW0F3063		FK052962 FEE	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
2	FK052962		FR032302 FLL	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	17
				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	49
				J.L. POST, F.L. POST AND B.J. POST, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	29
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	20
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	8
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	12
				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	15
		03-006B-0041-0000	0100673000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	5
1	FK053255	03-006B-0042-0000	Q100673000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	84
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	13
				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 SECOND AMENDMENT TO MEMORANDUM OF	723	52
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
				L W DAVIG AND M. L. DAVIG HIS MUTE	DESERVE CAS COMPANY	NOT LESS THAN 1/9	LEWIS 227 HARRISON 176	350 488
1				L. W. DAVIS AND M. L. DAVIS,HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	LEWIS 155	202
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	HARRISON 508	20. 57:
					CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	LEWIS 294 HARRISON 903	89 179
I	l	I	1	HOPE NATURAL GAS COMPANY	CONSCIUNTED AND SOLVET CONFORMATION	COST IMPRIONI DEED	TARRISON 303	

				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	LEWIS 425 HARRISON 1136	
					CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSIVISSION, INC.	INTERGERY NAIVIE CHANGE	LEWIS 672	-
					CANY CAS COMPANIVILIS	AAFAAODANDUIAA FADAAOUT ACDEFAAFAIT		
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	HARRISON 1522	
		1					LEWIS 684	
34	FK053250	03-006B-0040-0000	Q100336000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	HARRISON 1543	1
							LEWIS 712	
		1		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	HARRISON 1576	
		l					LEWIS 717	
			_	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	HARRISON 1584	
		1 1,	္မ				LEWIS 722	
		1	ਰੋਂ 🗕 ਫ਼ੈ	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600	
		1	2021 Protecti				LEWIS 722	
		CEIVED	i S	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600	
	ľ		ro fi	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
	1	1 50	it is	BOWINION TRANSMISSION, INC.				
	İ	 		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	LEWIS 723	
		1 22 1	് മ മ്ള	DOMINION ENERGY TRANSIVISSION, INC.	III ENERGI II AFFALACIIIA, ELC	SECOND AMENDMENT TO MEMORANDUM OF	LEWIS 723	
		<u>.</u> \$	FEB W De	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	HARRISON 1601	
			<u> </u>	DOMINION ENERGY TRANSMISSION, INC.	III ENERGI II AFFADACIIIA, EEC	TARRIOUT AGREEMENT		
		1	Ē				LEWIS 68	
				A W DAVIS	RESERVE GAS COMPANY	NOT LESS THAN 1/8	HARRISON 194	
							LEWIS 155	
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	HARRISON 508	
							LEWIS 294	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	HARRISON 903	
							LEWIS 425	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	HARRISON 1136	
								-
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	wvsos	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
							LEWIS 672	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	HARRISON 1522	
						FIRST AMENDMENT TO MEMORANDUM		
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	HARRISON 1524	
21	FK053272	p/o 20-0443-0028-0000	Q100488000				LEWIS 684	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	HARRISON 1543	
				CHA GAS COMMANT LLC			LEWIS 712	
				DOMINION TRANSMISSION INC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	HARRISON 1576	
		1		DOMINION TRANSMISSION, INC.	CIVA GAS COIVIFAINT LLC AIND NOBLE EIVERGT, INC.	TANTIAL ASSIGNMENT (32/0)	LEWIS 717	
				CHANGE CONTINUES	MODI E ENEDOV INC	ACCIGNIMENT	1	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	HARRISON 1584	
						1.001011145117	LEWIS 722	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600	
		1		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	
						SECOND AMENDMENT TO MEMORANDUM OF	LEWIS 723	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	HARRISON 1601	
				Deministration in an annihology men	7		LEWIS 227	
			1	GUINN MINTER AND JANE MINTER, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	HARRISON 174	

		g	uoj					
		ED and Gas	ment of Protection					
		RECEIVED	FEB U 5 W Departr	RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	LEWIS 155 HARRISON 508	57:
		Se of	FEB W De ronme	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	LEWIS 294 HARRISON 903	1
l		美 ┞	ـ ≽َ≨	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	LEWIS 425	12
Į.		9	<u>.</u> £	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
		20-0443-0029-0000	ш	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
		20-0443-0029-0001 20-0443-0029-0003		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	LEWIS 672 HARRISON 1522	ı
		20-0444-0002-0000 20-0444-0001-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM FARMOUT AGREEMENT	HARRISON 1524	49
33	FK108080	20-0444-0024-0000 20-00444-0025-0000	Q101020000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	LEWIS 684 HARRISON 1543	l .
		p/o 03-007B-0001-0000 p/o 03-007B-0001-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	LEWIS 712 HARRISON 1576	12
		p/o 20-0443-0015-0000 p/o 20-0443-0016-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	LEWIS 717 HARRISON 1584	94
		p/o 20-0443-0015-0000		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	LEWIS 722 HARRISON 1600	66
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600	69
		i		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	<u> </u>
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	LEWIS 723	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	LEWIS 723 HARRISON 1601	. 58
				J. H. NEELY AND CLAUDIE NEELY, HIS WIFE (1/2)	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	732	
				WM. A. JACKSON (1/2)	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	769	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	
1				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	5
		20-0443-0014-0000			CONSOL ENERGY HOLDINGS LLC VI, CONSOL ENERGY HOLDINGS	ALERGED (MAAF SHANGE	4470	
9	FK064871	20-0443-0016-0000	Q100993000	DOMINION TRANSMISSION, INC.	LLC XVI, CONSOL GAS COMPANY LLC, CNX GAS COMPANY LLC	MERGER/NAME CHANGE	1472	+
1		p/o 20-0443-0028-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	+
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	
	1			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	94
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	66
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	69:
				C.M. GARRETT AND DELPHIA GARRETT, HIS WIFE; CHARLES M. GARRETT, JR. AND HILDA GARRETT, HIS WIFE; JOSEPH R. GARRETT AND RUTH G. GARRETT, HIS WIFE; JOHN E. GARRETT AND HELEN H. GARRETT, HIS WIFE; LOMAN E. GSARRETT AND VIRGINIA G. GARRETT,				
l		1		HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	727	33:
1		1		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	
ŀ	Ì	1	(CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	
1	{	1	1	CONSOLIDATED GAS SOFFET CONFORMATION CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
1	ENOCASES	20-423-0027-0000	Q100857000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
24	FK064358	20-423-0027-0000	(100637000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	
ĺ	i			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	+
1	1		1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	-
I	1			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	

		ED and Gas	6 05 2021 Department of mental Protection					
			lo ET	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	660
		Œ ø d		DOMINION ENERGY TRANSMISSION INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
		Office	WW	WORTHY R. LOWMAN AND CORA E. LOWMAN, HIS WIFE; IDA V. LOWMAN, SINGLE; CORA B. RICHARDS AND JOHN E. RICHARDS, HER	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	756	141
			5	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903 1136	179
İ				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT		250
		20-0423-0016-000		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
		20-0423-0017-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
25	FK066078	20-0423-0021-0000	Q100445000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
	1	20-0423-0022-0000		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
1				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
				WORTHY R. LOWMAN AND CORA E. LOWMAN, HIS WIFE; IDA V. LOWMAN, SINGLE; CORA B. RICHARDS AND JOHN E. RICHARDS, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	756	147
	1			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
		20-0423-0016-0000		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
27	FK066079	20-0423-0017-0000 20-0423-0021-0000	Q100989000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
	1	20-0423-0022-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
1				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
1			1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125 942 660
]	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	942
1			1	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	660
			l	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA LLC	SECOND AMENDMENT TO MEMORANDUM OF	1601	581

				WILLIAM GASTON ANDSUE GASTON, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	113	43						
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	17						
				PENNZOIL COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	1126							
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	25						
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	79						
		20-0423-0020-0000	0101147000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	36						
28	FK002350	20-0423-0020-0001	Q101147000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	3						
		20-0423-0020-0002		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM	1524	49						
			2021 ment of Protection	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	123						
		Se se	5	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	12						
		ଔ	21 fe	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	94						
		l ag	2021 nent o Protec	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	66						
ı		世間	Surtm Sal F	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS							
1	Į.	OËIVE!	- 0°=	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA LLC	SECOND AMENDMENT TO MEMORANDUM OF	1601	58						
		<u> </u>	000	D.M. COLE AND E.E. COLE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	175	16						
		1 223	FEB W D ironir	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	17						
		Office of	H ≥ē	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	25						
			Ö	Ö	Č		Ö	Ö	FEB (WV Der	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	79
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58							
		20-0423-0018-0000	0400007000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	3						
30	FK013946	20-0423-0005-0000 20-0423-0003-0000	Q100907000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	123						
	1			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	12						
ł				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	94						
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	66						
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	58						
				JESSE B. KNIGHT AND LYDIA E. KNIGHT, HIS WIFE; AND A. B.										
l	1			COFFINDAFFER AND S. J. COFFINDAFFER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	192	36						
İ				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	17						
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	25						
		20 2422 2024 2022		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	79						
		20-0423-0001-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58							
i		20-0423-0001-0001		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	3						
1		20-0423-0004-0000	Q100750000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	123						
31	FK022341	20-0423-0004-0001	Q102356000 FEE	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	12						
		20-0423-0004-0002		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT AND BILL OF SALE	1584	94						
		20-0423-0004-0003 20-0423-0004-0004		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT, BILL OF SALE AND CONVEYANCE	1600	66						
		1		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	1601	69						
	1	1		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	58						



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-3H Permit Revision – (47-041-05703)

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-3H 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

Office of Oil and Gas.

FEB 0 5 2021

WV Department of Environmental Protection

Permit Modification

Received date: $2 \cdot 5 \cdot 21$ Well Name: N-3HOperator: HGPad Name: MCDONAC

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	6800 =	i -
TMD	23 267=	26467
HL	16,021-	19220
FW	34,107,205,229,249	
SW	1299, 1675	~
COAL	810-815	
CONDUCTOR	120	
FRESHWATER	1000	
INTERMEDIATE 1	2040	
INTERMEDIATE 2	2750	
PRODUCTION	23267	26467

Notes: 16	25 /		
a /	28-		
1	30 -		
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