



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, October 9, 2020
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 S-9H
47-041-05706-00-00

Extend Lateral, 19811' to 28178' total measured depth. Updated Leases included.

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 handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin
Chief

Operator's Well Number: MCDONALD 1211 S-9H
Farm Name: HG ENERGY II APPALACHIA, LLC
U.S. WELL NUMBER: 47-041-05706-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/09/2020

Promoting a healthy environment.

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 S-9H 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

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: 28,178'

11) Proposed Horizontal Leg Length: 20,895'

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

B.S. 9-23-20

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	28178'	28178'	CTS
Tubing							
Liners							

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 Lead
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	20% excess yield = 1.19, tail yield 1.94
Tubing							
Liners							

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Kind:					WV Department of Environmental Protection
Sizes:					
Depths Set:					

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 20,895' lateral length, 28,178' 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:

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.

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

Conductor -N/A, Casing to be drilled in w/ Dual Rotary Rig.
Fresh Water/Coal - 15.6 ppg PNE-1 + 3% bwoc CaCl, 40% Excess Yield = 1.20, CTS
Intermediate 1 - 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
Intermediate 2 - 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
Production - Lead: 14.8 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.

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*Note: Attach additional sheets as needed.



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1211 S-9H
Marcellus Shale Horizontal
Lewis County, WV

WV Department of
Environmental Protection

1211 S-9H SHL

14211827.45N 1789527.12E

Ground Elevation

1265.5'

1211 S-9H LP

14211741.96N 1790088.08E

Azm

160.538°

1211 S-9H BHL

14192048.59N 1797046.98E

WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
	30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness
	26"	20" 94# J-55	Fresh Water	0	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
			Kittanning 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 / Ganiz (Storage)	1545 / 1830	1650 / 1890					
			Intermediate 1	0	2040					
			Fifty / Thirty Foot	1940 / 2037	1965 / 2060					
	12.25"	9-5/8" 40# J-55 BTC	Gordon Stray / Gordon	2060 / 2130	2130 / 2220	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
			5th Sand	2320	2360					
			Bayard Sand	2405	2420					
			Intermediate 2	0	2750					
	8.5" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3025	3041	AIR / 9.0ppg SOBMM	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 SOBMM				
			Cashaqua	6377	6477					
			Middlesex	6477	6509					
			West River	6509	6580					
			Burkett	6580	6590					
Tully Limestone			6590	6698						
Hamilton			6698	6753						
8.5" Lateral	Marcellus	6753	6835	11.5ppg-12.5ppg SOBMM						
	TMD / TVD (Production)	28178	6800							
		Onondaga	6835							

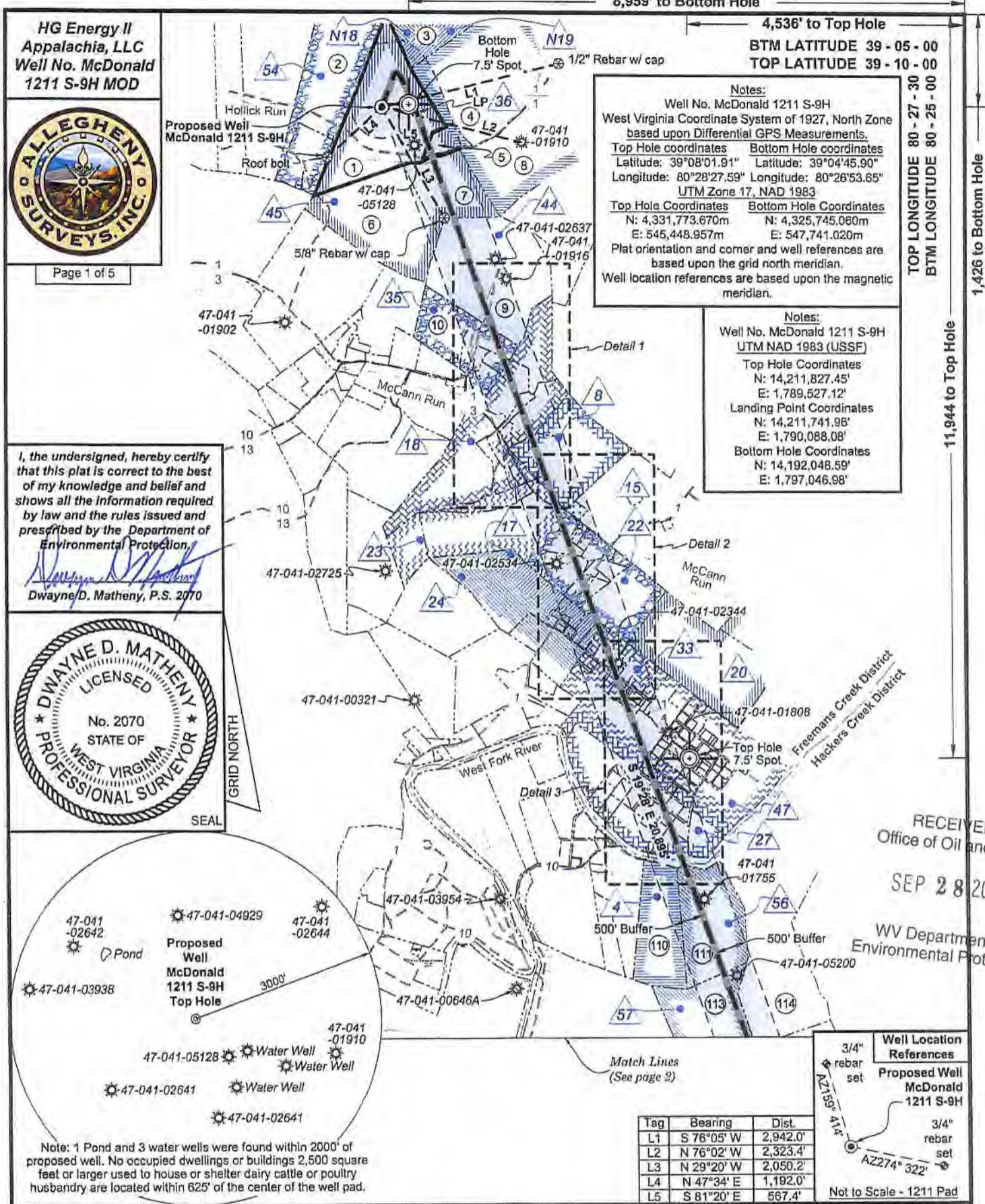
LP @ 6800' TVD / 7283' MD

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

+/-20895' ft Lateral

TD @ +/-6800' TVD
+/-28178' MD

X=centralizers



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
API WELL NO
47 - 041 - 05706
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 E. 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) MOD - BH 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' 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

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-9H MOD**



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TOP LONGITUDE 80 - 27 - 30
BTM LONGITUDE 80 - 25 - 00

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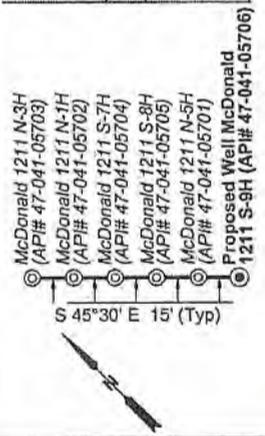
WV Department of
Environmental Protection

No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	HG Energy II Appalachia, LLC	730 / 677	61.50
2	7B / 9	Brincefield Family Trust	588 / 740	56.76
3	7B / 23	Atlantic Coast Pipeline, LLC	700 / 779	167.89
4	7B / 22	CNX Gas Company, LLC	680 / 266	73.676
5	7B / 10.1	Charles H. & Vanessa D. Brosius	616 / 527	5.00
6	7B / 11	CNX Gas Company, LLC	680 / 266	54.50
7	7B / 13	Melvin B. & Terri D. Woods	672 / 241	25.50
8	7B / 21	John J. Oldaker, Jr.	658 / 56	64.86
9	7B / 14	Kelvin G. & Diana M. Williston	448 / 11	65.00
10	7C / 32	Kelvin G. & Trent M. Williston	673 / 669	16.08
11	7C / 32.4	Lucas O. Himelrick	666 / 409	8.51
12	7C / 34.1	Timothy L. & Leann Kerns	714 / 779	13.38
13	7C / 32.1	Laura Taylor	665 / 582	1.31
14	7C / 32.2	Richard E. Stutter II	543 / 369	2.07
15	7C / 32.3	Martin T. & Betty A. Queen	544 / 566	4.36
16	7C / 30.1	Russell E. & Catherine F. Kerns	714 / 787	9.46
17	7C / 34	Russell W. & Martha J. Kerns	524 / 462	1.80

Continued on Page 5

Legend	
	Proposed gas well
	Well Reference, as noted
	Monument, as noted
	Existing Well, as noted
	Existing Plugged Well, as noted
	Digitized Well, as noted
	Surface boundary (approx.)
	Interior surface tracts (approx.)
	Creek or Drain
	Existing Road
	Railroad Tracks

Wellhead Layout (Not to Scale)



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DISTRICT: Freemans Creek

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Lewis

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

ACREAGE: 61.50

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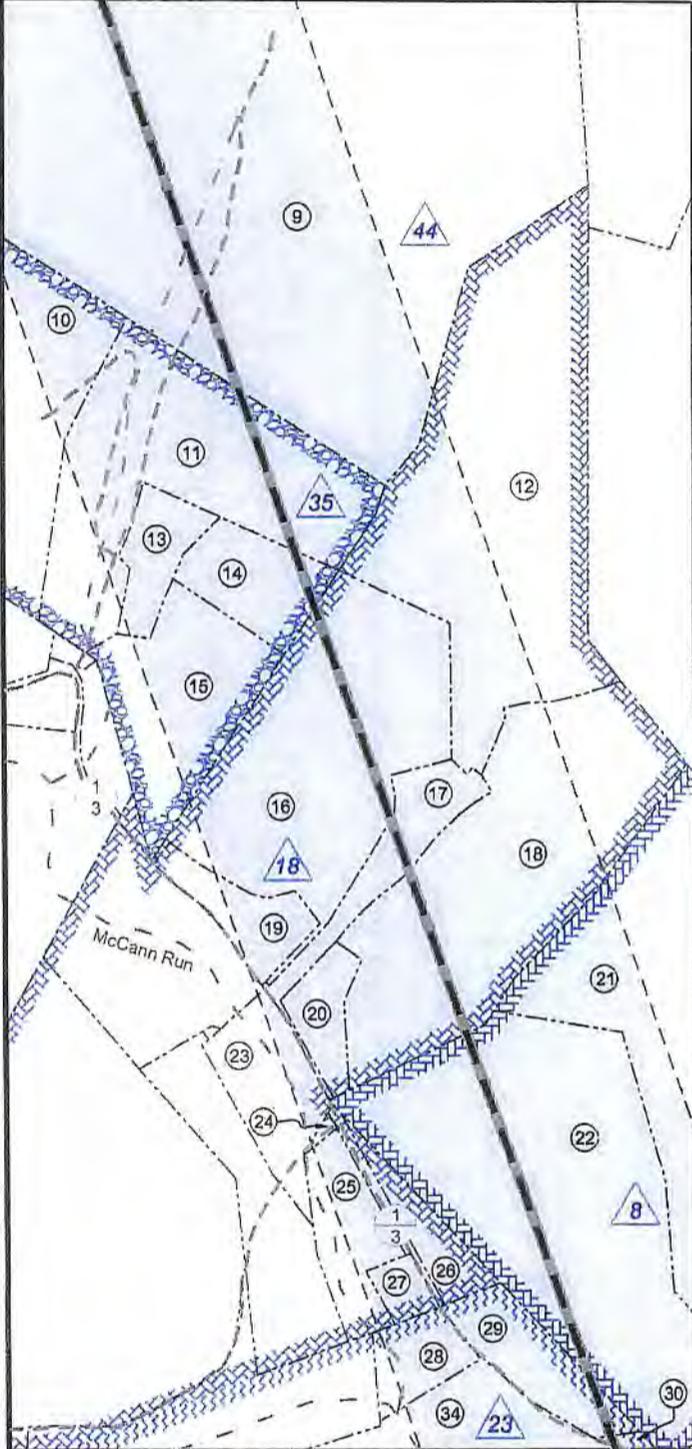
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Parkersburg, WV 26101 Parkersburg, WV 26101

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-9H MOD**

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Detail 1 - Scale: 1" = 500'



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ID	Lease
2	Prudence M. O'hara, et al
4	James H. Hall Trust, et al
8	T.S. Allman, et al
14	Trustees of the McCanns Run Methodist Church
15	C.W. Smith, et al
17	Maggie Cottrill
18	Cordelia Bailey
20	E.C. Strother, et al
21	Dwight L. Rinehart, et ux
22	C. Burke Morris, et al
23	C. Burke Morris, et al
24	A.B. College Inc.
27	E.R. Bennett, et al
27.4	Betty M. Paugh
27.5	William C. & Mable Smarr
27.6	Freddie L. & Betty G. Fox
33	H.A. Fletcher, et al
35	Jesse Leeson, et al
36	George W. Nelly, et al
44	Thomas .P. Barb, et al
45	Mary E. Post, et al
47	Minter E. Bailey
54	HG Energy II Appalachia, LLC
56	Mary J. Hayes
58	A.W. Woodford, et al
N18	Evelyn Beeghley, et al
N19	James Beeghley, et al

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ACREAGE: 61.50

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ADDRESS: 5260 Dupont Road
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WV Department of
Environmental Protection

No.	TM / Par	Owner	Bk / Pg	Ac.
18	7C / 34.2	Richard A. & Carolyn M. Hamric	714 / 783	10.89
19	7C / 30.2	Connie Riffle	319 / 386	1.40
20	7C / 30.3	Barbara J. & Herman Watson Jr.	511 / 626	1.08
21	7C / 35	Mary Jane Bailey	W25 / 263	25.09
22	7C / 36	Mary Jane Bailey	W25 / 263	14.00
23	7C / 30.6	Richard A. & Carolyn M. Hamric	386 / 361	2.34
24	7C / 30.9	Richard A. & Carolyn M. Hamric	446 / 209	0.06
25	7C / 30.4	Billy & Penelope A. McCormick	341 / 62	1.89
26	7C / 37	Timothy J. Hicks	680 / 257	1.25
27	7C / 38	Timothy J. Hicks	680 / 257	0.50
28	7C / 27	Stephen R. & Joyce A. Lamb	664 / 152	1.25
29	7C / 39	Miguel A. & Betsy L. Rodriguez	622 / 418	1.96
30	7C / 40	Mary Jane Bailey	W25 / 263	0.12
31	7C / 57.4	Lynwood L. & Donna S. Wolfe	712 / 455	37.69
32	7C / 41	McCanns Run Church	110 / 398	1.13
33	7C / 26.4	Charles D. & Melinda S. Bailey	614 / 321	0.70
34	7C / 26.1	Charles D. & Melinda S. Bailey	653 / 713	42.15
35	7C / 43	Charles D. & Melinda S. Bailey	653 / 713	0.84
36	7C / 44	Beth Ann Dunham	211 / 349	1.16
37	7C / 25	Fred Allen Bailey	452 / 268	32.27
38	7C / 46	Charles D. & Melinda S. Bailey	653 / 713	7.30
39	7C / 47	Michael D. & Patricia L. Goodwin	461 / 551	0.25
40	7C / 45	Stephen D. & Kathleen G. Lemon	571 / 293	2.50
41	7C / 56	Michael D. & Patricia L. Goodwin	461 / 551	1.98
42	7C / 54.1	Michael D. & Patricia L. Goodwin	536 / 524	1.58
43	7C / 56.1	Michael D. Goodwin, Jr.	539 / 515	2.00
44	7C / 55	Michael D. & Patricia L. Goodwin	461 / 551	1.75
45	7C / 48	Michael D. & Patricia L. Goodwin	461 / 551	2.00
46	7C / 54	Joshua V. & Marsha T. Garton	665 / 309	20.29
47	7C / 49	Randal Lynn McVay	670 / 604	0.80
48	7C / 50.1	Blaine & Lola Jerden	385 / 327	0.30
49	3 / 1	Timothy & Cheryl Kelley	447 / 138	1.81
50	3 / 1.1	Timothy C. Kelley	697 / 589	0.26
51	3 / 3.1	Robert D. & Dinah S. Bailey	709 / 639	0.26
52	3 / 4	Bobbie Jo & Carie O. Lockhart	650 / 407	0.52
53	3 / 6	Sandra K. & Richard G. Smith II	591 / 485	2.32
54	3 / 2	Sandra K. & Richard G. Smith II	670 / 315	1.32
55	7C / 51	Charlene Sweeney	W18 / 625	9.75
56	3 / 9.1	Barbara L. & John T. Boore	579 / 504	0.99
57	3 / 9.4	Wailman Rutherford	580 / 493	0.26
58	3 / 9.2	Wailman Rutherford	353 / 195	1.02
59	7C / 53.2	Timothy W. & Twila Perkins	714 / 287	1.00
60	7C / 53.4	Jeremy & Jenny L. Garton	532 / 605	37.21
61	3 / 8	Sondra A. Granlund	512 / 158	1.64
62	3 / 8.1	Kenneth W. & Savannah D. Catlin	478 / 148	2.36
63	7C / 53.1	Kenneth W. & Savannah D. Catlin	347 / 593	1.70
64	7C / 66.1	Joshua V. & Marsha T. Garton	550 / 523	57.25
65	7C / 53.7	Kenneth W. & Savannah D. Catlin	531 / 764	2.00
66	3 / 11	Brittany Nicole Strother	W3 / 320	0.50
67	3 / 13	Robert L. & Nancy C. Montgomery	585 / 289	0.86

No.	TM / Par	Owner	Bk / Pg	Ac.
68	3 / 11.1	Sherry Strother & Craig Sturm	654 / 463	1.09
69	3 / 12	Robert L. & Nancy C. Montgomery	369 / 99	1.03
70	3 / 14	Robert L. & Nancy C. Montgomery	585 / 289	0.17
71	3 / 15.1	Barbara A. White	W39 / 37	0.37
72	3 / 15	Barbara A. White	W39 / 37	0.63
73	7C / 53.3	James R. & Joycelyn A. Riffle	544 / 318	0.46
74	7C / 53.11	Jeremy & Jenny Garton	591 / 768	2.00
75	7C / 53	Julianne Garton	597 / 342	1.58
76	1 / 4	Frank & Lillie Swisher	550 / 617	0.77
77	1 / 5	Carol Lee Swisher	367 / 565	0.29
78	1 / 6	Betty M. Paugh	304 / 404	0.56
79	1 / 7	Betty M. Paugh	304 / 404	0.54
80	1 / 15	Dawn Snyder Posey	720 / 879	1.26
81	1 / 13	Dawn Snyder Posey	556 / 416	1.31
82	1 / 12	Betty M. Paugh	304 / 404	0.47
83	1 / 11	Benjamin M. Smith	697 / 245	0.85
84	1 / 14	Dawn Snyder Posey	720 / 879	0.34
85	1 / 10	Roberta R. Lamb	642 / 262	3.57
86	1 / 8	Betty M. Paugh	304 / 404	1.08
87	1 / 9	Betty M. Paugh	304 / 404	0.55
88	1 / 9.2	Betty G. & Freddie L. Fox, Sr.	702 / 171	0.57
89	1 / 9.1	William C. & Mable A. Smarr	--- / ---	0.38
90	1 / 9.3	William C. & Mable A. Smarr	--- / ---	0.03
91	1 / 50.1	David G. & Eileen F. Sellers	548 / 325	0.03
92	1 / 50	David G. & Eileen F. Sellers	530 / 436	1.19
93	1 / 74	Joshua V. & Marsha T. Garton	262 / 621	16.92
94	7C / 52.7	Jeremy R. & Jennifer L. Garton	549 / 377	14.03
95	7C / 52.13	Joseph A. & Malissa McWhorter Miller	584 / 422	1.58
96	7C / 52.8	Joseph & Beverly Butcher	550 / 324	1.29
97	7D / 57	Erin B. & William M. Hunt, II	--- / ---	0.74
98	7D / 55	Erin B. & William M. Hunt, II	--- / ---	0.81
99	7D / 52	Erin B. & William M. Hunt, II	--- / ---	1.09
100	7D / 48	Mary E. Rittenhouse	--- / ---	0.69
101	7D / 46	Ericka & Ricky D. Bailey, II, et al	--- / ---	6.12
102	7C / 52.6	Jeremy R. & Jennifer L. Garton	586 / 138	1.00
103	7D / 45	Shirley A. Grewe	--- / ---	5.19
104	7D / 56	Christopher R. & Ginger R. Franklin	--- / ---	1.55
105	7D / 53	Erio T. & Stephanie M. Smith	687 / 79	0.93
106	7D / 49	Erio T. & Stephanie M. Smith	687 / 79	0.53
107	7D / 50	William P. & Amy W. Goldsmith	665 / 391	1.97
108	7D / 47	Steven B. & Valerie E. Corley	668 / 328	1.00
109	7D / 51	William P. & Amy W. Goldsmith	665 / 391	8.89
110	7D / 11	Ricky W. Frame	677 / 723	31.50
111	7D / 22	James Alonzo & Carol Trefz Smith	342 / 89	37.85
112	7C / 53.12	Joseph J. Garton	559 / 520	2.00
113	7D / 10	Tamela B. Smith	452 / 311	40.00
114	7C / 5	John L. & Sue Ann Spiker	549 / 219	135.30
115	7D / 5	WVU Board of Governors	584 / 524	323.00
116	7D / 9.1	Deerfield Country Club Inc.	359 / 409	572.21
117	7E / 30	J. Bean Nicholson	509 / 215	61.17

FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
API WELL NO
47 - 041 - 05706
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

TH - West Milford
QUADRANGLE: BH - Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: HG Energy II Appalachia, LLC

ACREAGE: 61.50

ROYALTY OWNER: Mary E. 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) MOD - BH 6,800' TVD

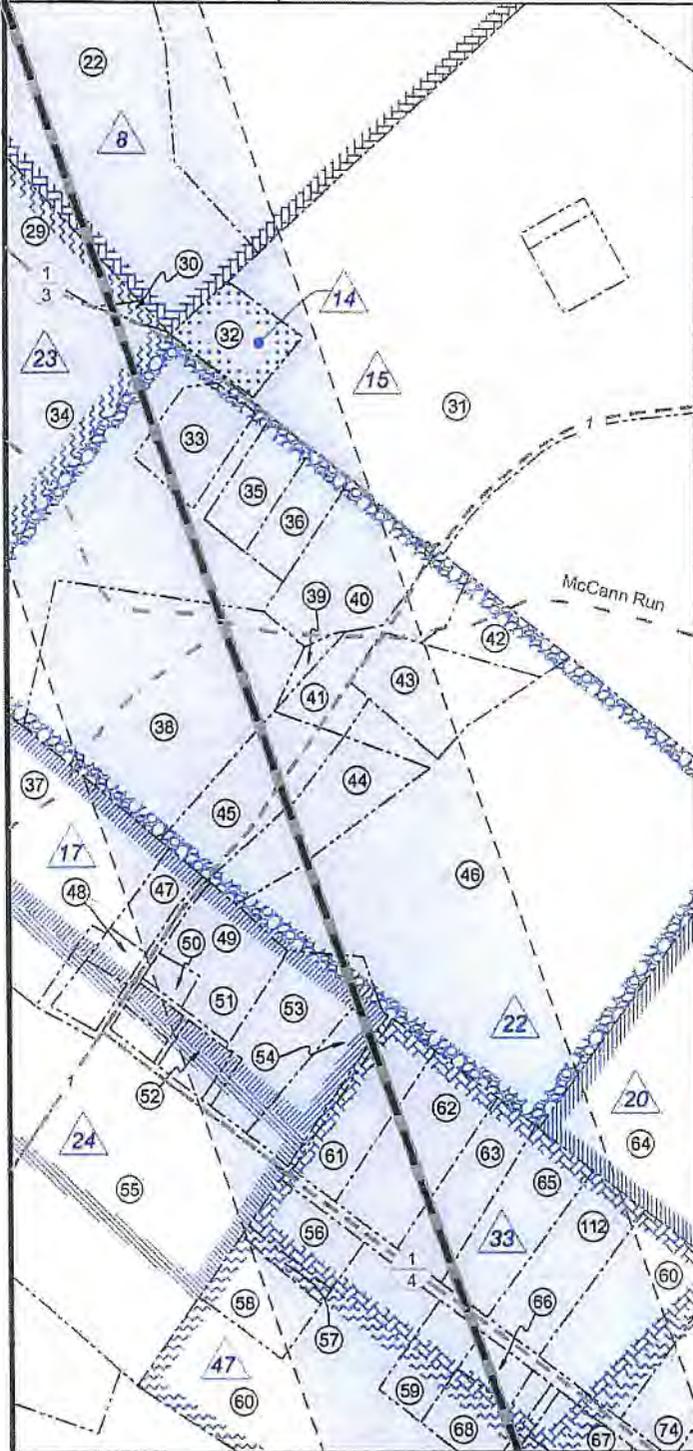
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,178' MD

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

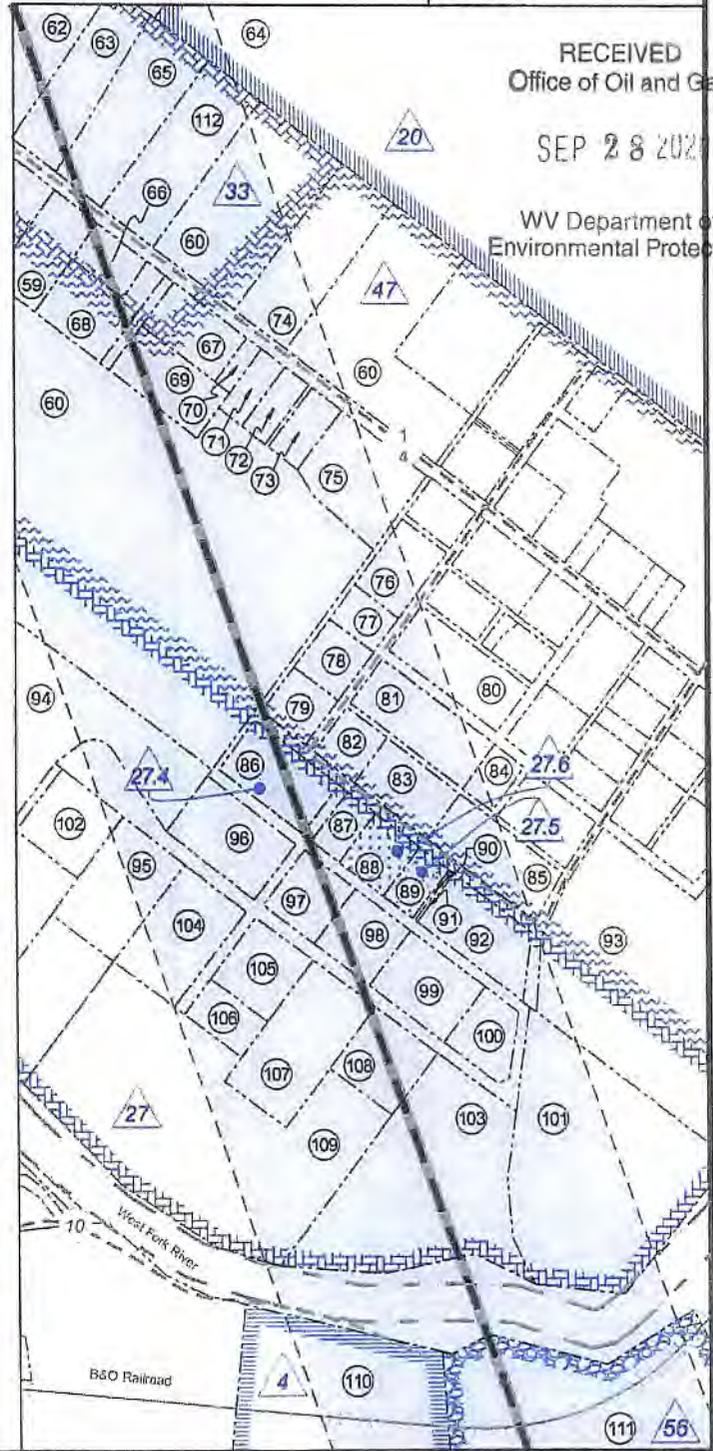
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101



Detail 2 - Scale: 1" = 500'



Detail 3 - Scale: 1" = 500'



RECEIVED
Office of Oil and Gas

SEP 28 2020

WV Department of
Environmental Protection

FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
API WELL NO
47 - 041 - 05706
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 E. 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) MOD - BH 6,800' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' MD

TH - West Milford
QUADRANGLE: BH - Weston

COUNTY: Lewis

ACREAGE: 61.50

WELL OPERATOR: HG Energy II Appalachia, LLC

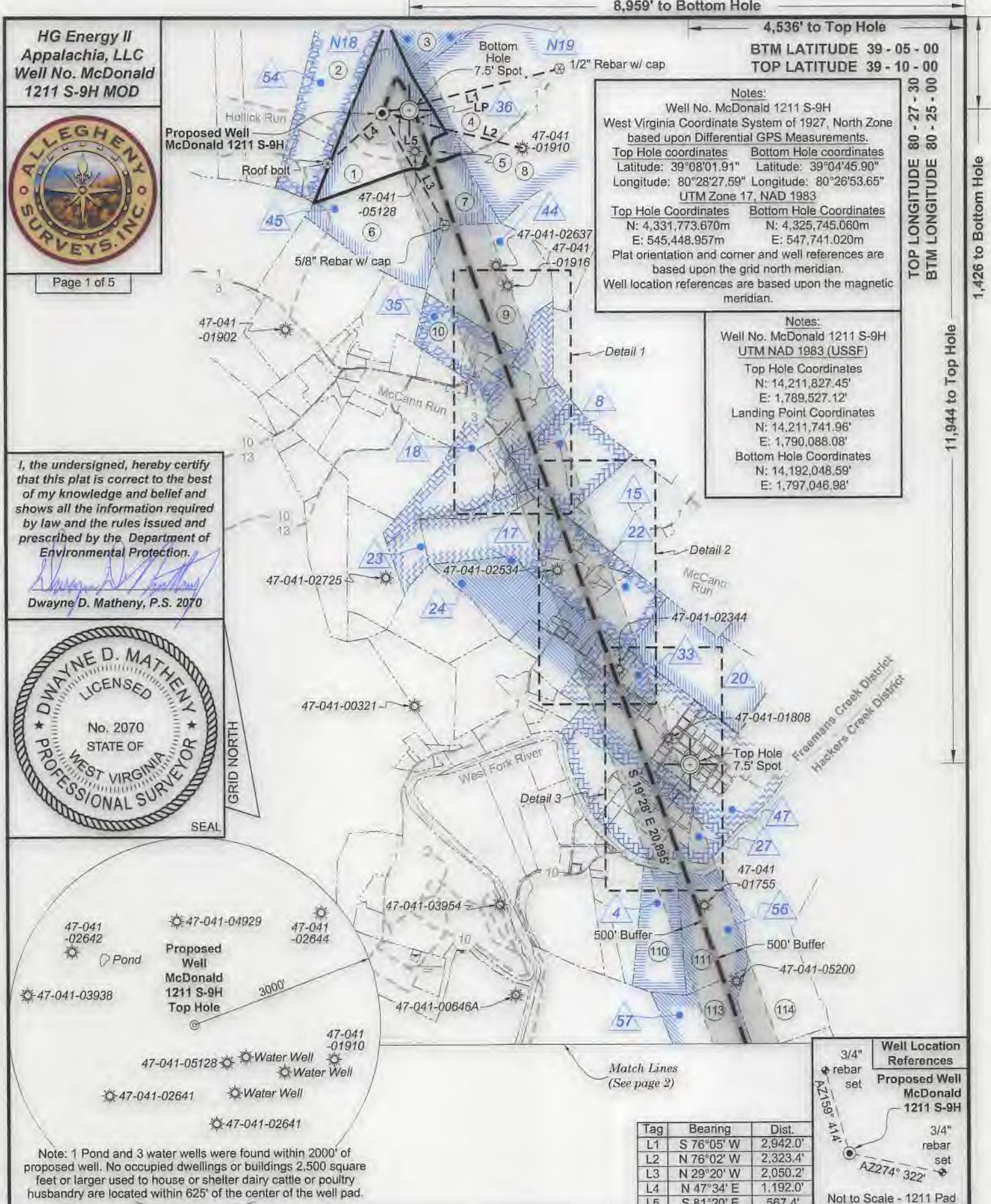
DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

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Parkersburg, WV 26101

Parkersburg, WV 26101



FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
 OPERATOR'S WELL NO. McDonald 1211 S-9H
 API WELL NO
 47 - 041 - 05706
 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: BH - Weston
 COUNTY: Lewis
 SURFACE OWNER: HG Energy II Appalachia, LLC ACREAGE: 61.50
 ROYALTY OWNER: Mary E. 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) MOD - BH 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' 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

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-9H MOD**



Page 2 of 5



No.	TM / Par	Owner	Bk / Pg	Ac.
1	7B / 10	HG Energy II Appalachia, LLC	730 / 677	61.50
2	7B / 9	Brincefield Family Trust	588 / 740	56.76
3	7B / 23	Atlantic Coast Pipeline, LLC	700 / 779	167.89
4	7B / 22	CNX Gas Company, LLC	680 / 266	73.676
5	7B / 10.1	Charles H. & Vanessa D. Brosius	616 / 527	5.00
6	7B / 11	CNX Gas Company, LLC	680 / 266	54.50
7	7B / 13	Melvin B. & Terri D. Woods	672 / 241	25.50
8	7B / 21	John J. Oldaker, Jr.	658 / 56	64.86
9	7B / 14	Kelvin G. & Diana M. Williston	448 / 11	65.00
10	7C / 32	Kelvin G. & Trent M. Williston	673 / 669	16.08
11	7C / 32.4	Lucas O. Himelrick	666 / 409	8.51
12	7C / 34.1	Timothy L. & Leann Kerns	714 / 779	13.38
13	7C / 32.1	Laura Taylor	665 / 582	1.31
14	7C / 32.2	Richard E. Stutler II	543 / 369	2.07
15	7C / 32.3	Martin T. & Betty A. Queen	544 / 566	4.36
16	7C / 30.1	Russell E. & Catherine F. Kerns	714 / 787	9.46
17	7C / 34	Russell W. & Martha J. Kerns	524 / 462	1.80

Continued on Page 5

Legend

- ⊙ Proposed gas well
- ⊛ Well Reference, as noted
- ⊗ Monument, as noted
- ⊙ Existing Well, as noted
- ⊙ Existing Plugged Well, as noted
- ⊙ Digitized Well, as noted
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- - - Creek or Drain
- - - Existing Road
- Railroad Tracks

Wellhead Layout (Not to Scale)

FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
API WELL NO
47 — 041 — 05706
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 TH - West Milford
DISTRICT: Freemans Creek QUADRANGLE: BH - Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Lewis
ROYALTY OWNER: Mary E. Post, et al , et al LEASE NO: ACREAGE: 61.50
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD - BH 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' 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



Detail 1 - Scale: 1" = 500'



ID	Lease
2	Prudence M. O'hara, et al
4	James H. Hall Trust, et al
8	T.S. Allman, et al
14	Trustees of the McCanns Run Methodist Church
15	C.W. Smith, et al
17	Maggie Cottrill
18	Cordelia Bailey
20	E.C. Strother, et al
21	Dwight L. Rinehart, et ux
22	C. Burke Morris, et al
23	C. Burke Morris, et al
24	A.B. College Inc.
27	E.R. Bennett, et al
27.4	Betty M. Paugh
27.5	William C. & Mable Smarr
27.6	Freddie L. & Betty G. Fox
33	H.A. Fletcher, et al
35	Jesse Leeson, et al
36	George W. Nelly, et al
44	Thomas .P. Barb, et al
45	Mary E. Post, et al
47	Minter E. Bailey
54	HG Energy II Appalachia, LLC
56	Mary J. Hayes
58	A.W. Woodford, et al
N18	Evelyn Beeghley, et al
N19	James Beeghley, et al

FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
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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

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Lewis
ACREAGE: 61.50

SURFACE OWNER: HG Energy II Appalachia, LLC

ROYALTY OWNER: Mary E. 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) MOD - BH 6,800' TVD

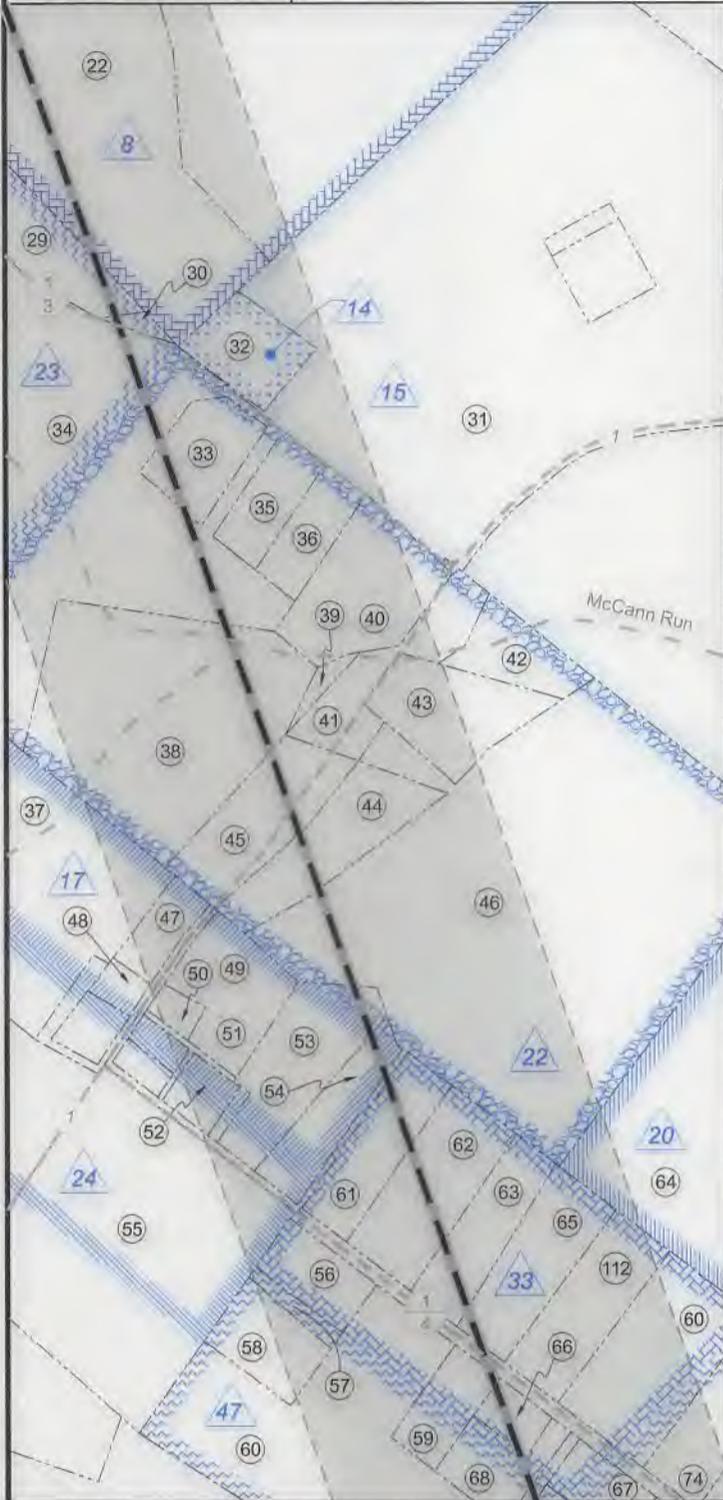
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' MD

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

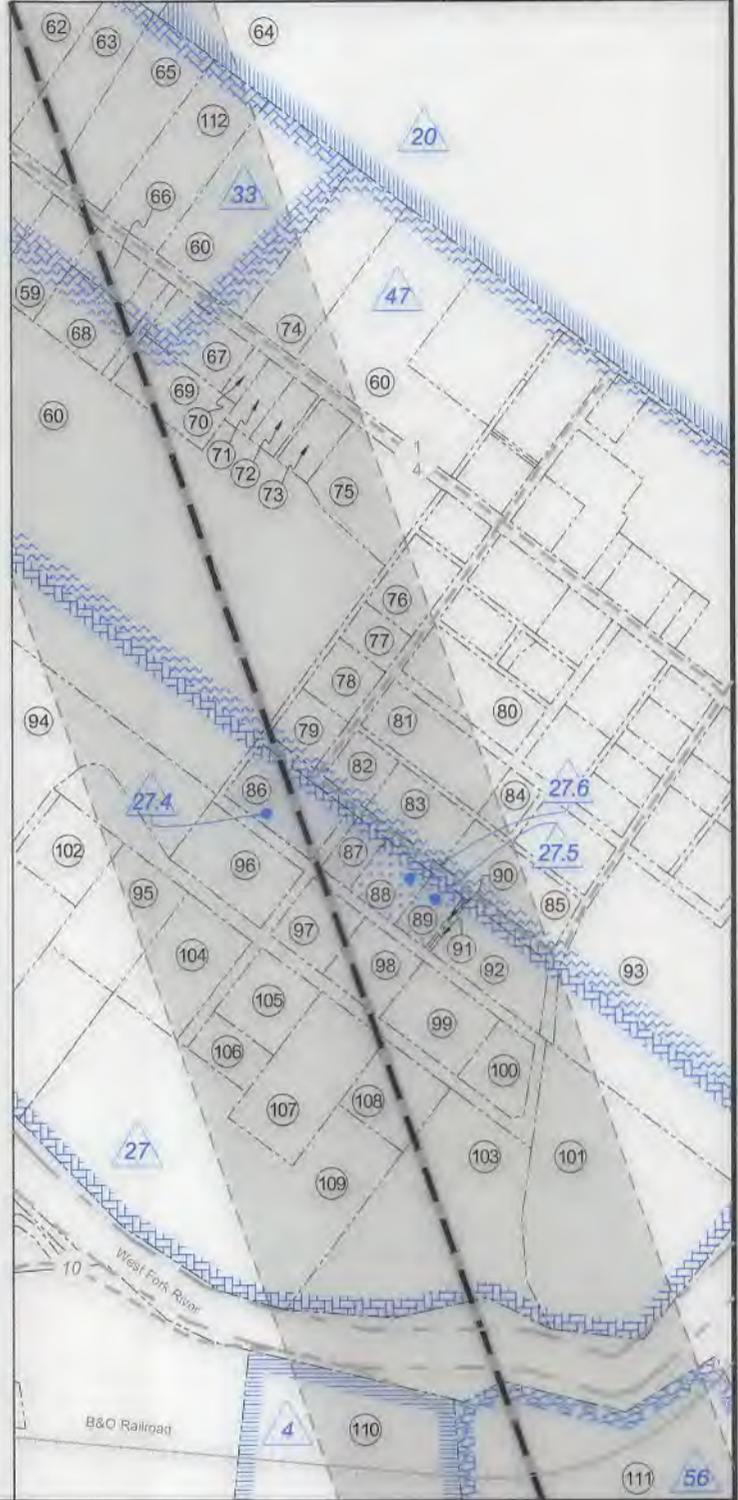
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101



Detail 2 - Scale: 1" = 500'



Detail 3 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-9H 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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
API WELL NO
47 - 041 - 05706
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 E. Post, et al, et al

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD - BH 6,800' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' MD

TH - West Milford
QUADRANGLE: BH - Weston
COUNTY: Lewis
ACREAGE: 61.50

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

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



No.	TM / Par	Owner	Bk / Pg	Ac.
18	7C / 34.2	Richard A. & Carolyn M. Hamric	714 / 783	10.89
19	7C / 30.2	Connie Riffle	319 / 386	1.40
20	7C / 30.3	Barbara J. & Herman Watson Jr.	511 / 626	1.08
21	7C / 35	Mary Jane Bailey	W25 / 263	25.09
22	7C / 36	Mary Jane Bailey	W25 / 263	14.00
23	7C / 30.6	Richard A. & Carolyn M. Hamric	386 / 361	2.34
24	7C / 30.9	Richard A. & Carolyn M. Hamric	446 / 209	0.06
25	7C / 30.4	Billy & Penelope A. McCormick	341 / 62	1.89
26	7C / 37	Timothy J. Hicks	680 / 257	1.25
27	7C / 38	Timothy J. Hicks	680 / 257	0.50
28	7C / 27	Stephen R. & Joyce A. Lamb	664 / 152	1.25
29	7C / 39	Miguel A. & Betsy L. Rodriguez	622 / 418	1.96
30	7C / 40	Mary Jane Bailey	W25 / 263	0.12
31	7C / 57.4	Lynwood L. & Donna S. Wolfe	712 / 455	37.69
32	7C / 41	McCanns Run Church	110 / 398	1.13
33	7C / 26.4	Charles D. & Melinda S. Bailey	614 / 321	0.70
34	7C / 26.1	Charles D. & Melinda S. Bailey	653 / 713	42.15
35	7C / 43	Charles D. & Melinda S. Bailey	653 / 713	0.84
36	7C / 44	Beth Ann Dunham	211 / 349	1.16
37	7C / 25	Fred Allen Bailey	452 / 268	32.27
38	7C / 46	Charles D. & Melinda S. Bailey	653 / 713	7.30
39	7C / 47	Michael D. & Patricia L. Goodwin	461 / 551	0.25
40	7C / 45	Stephen D. & Kathleen G. Lemon	571 / 293	2.50
41	7C / 56	Michael D. & Patricia L. Goodwin	461 / 551	1.98
42	7C / 54.1	Michael D. & Patricia L. Goodwin	536 / 524	1.58
43	7C / 56.1	Michael D. Goodwin, Jr.	539 / 515	2.00
44	7C / 55	Michael D. & Patricia L. Goodwin	461 / 551	1.75
45	7C / 48	Michael D. & Patricia L. Goodwin	461 / 551	2.00
46	7C / 54	Joshua V. & Marsha T. Garton	665 / 309	20.29
47	7C / 49	Randal Lynn McVay	670 / 604	0.80
48	7C / 50.1	Blaine & Lola Jerden	385 / 327	0.30
49	3 / 1	Timothy & Cheryl Kelley	447 / 138	1.81
50	3 / 1.1	Timothy C. Kelley	697 / 589	0.26
51	3 / 3.1	Robert D. & Dinah S. Bailey	709 / 639	0.26
52	3 / 4	Bobbie Jo & Carie O. Lockhart	650 / 407	0.52
53	3 / 6	Sandra K. & Richard G. Smith II	591 / 485	2.32
54	3 / 2	Sandra K. & Richard G. Smith II	670 / 315	1.32
55	7C / 51	Charlene Sweeney	W18 / 625	9.75
56	3 / 9.1	Barbara L. & John T. Boore	579 / 504	0.99
57	3 / 9.4	Waitman Rutherford	580 / 493	0.26
58	3 / 9.2	Waitman Rutherford	353 / 195	1.02
59	7C / 53.2	Timothy W. & Twila Perkins	714 / 287	1.00
60	7C / 53.4	Jeremy & Jenny L. Garton	532 / 605	37.21
61	3 / 8	Sondra A. Granlund	512 / 158	1.64
62	3 / 8.1	Kenneth W. & Savannah D. Catlin	478 / 148	2.36
63	7C / 53.1	Kenneth W. & Savannah D. Catlin	347 / 593	1.70
64	7C / 66.1	Joshua V. & Marsha T. Garton	550 / 523	57.25
65	7C / 53.7	Kenneth W. & Savannah D. Catlin	531 / 764	2.00
66	3 / 11	Brittany Nicole Strother	W3 / 320	0.50
67	3 / 13	Robert L. & Nancy C. Montgomery	585 / 289	0.86

No.	TM / Par	Owner	Bk / Pg	Ac.
68	3 / 11.1	Sherry Strother & Craig Sturm	654 / 463	1.09
69	3 / 12	Robert L. & Nancy C. Montgomery	369 / 99	1.03
70	3 / 14	Robert L. & Nancy C. Montgomery	585 / 289	0.17
71	3 / 15.1	Barbara A. White	W39 / 37	0.37
72	3 / 15	Barbara A. White	W39 / 37	0.63
73	7C / 53.3	James R. & Joycelyn A. Riffle	544 / 318	0.46
74	7C / 53.11	Jeremy & Jenny Garton	591 / 768	2.00
75	7C / 53	Julianne Garton	597 / 342	1.58
76	1 / 4	Frank & Lillie Swisher	550 / 617	0.77
77	1 / 5	Carol Lee Swisher	367 / 565	0.29
78	1 / 6	Betty M. Paugh	304 / 404	0.56
79	1 / 7	Betty M. Paugh	304 / 404	0.54
80	1 / 15	Dawn Snyder Posey	720 / 879	1.26
81	1 / 13	Dawn Snyder Posey	556 / 416	1.31
82	1 / 12	Betty M. Paugh	304 / 404	0.47
83	1 / 11	Benjamin M. Smith	697 / 245	0.85
84	1 / 14	Dawn Snyder Posey	720 / 879	0.34
85	1 / 10	Roberta R. Lamb	642 / 262	3.57
86	1 / 8	Betty M. Paugh	304 / 404	1.08
87	1 / 9	Betty M. Paugh	304 / 404	0.55
88	1 / 9.2	Betty G. & Freddie L. Fox, Sr.	702 / 171	0.57
89	1 / 9.1	William C. & Mable A. Smarr	--- / ---	0.38
90	1 / 9.3	William C. & Mable A. Smarr	--- / ---	0.03
91	1 / 50.1	David G. & Eileen F. Sellers	548 / 325	0.03
92	1 / 50	David G. & Eileen F. Sellers	530 / 436	1.19
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95	7C / 52.13	Joseph A. & Malissa McWhorter Miller	584 / 422	1.58
96	7C / 52.8	Joseph & Beverly Butcher	550 / 324	1.29
97	7D / 57	Erin B. & William M. Hunt, II	--- / ---	0.74
98	7D / 55	Erin B. & William M. Hunt, II	--- / ---	0.81
99	7D / 52	Erin B. & William M. Hunt, II	--- / ---	1.09
100	7D / 48	Mary E. Rittenhouse	--- / ---	0.69
101	7D / 46	Ericka & Ricky D. Bailey, II, et al	--- / ---	6.12
102	7C / 52.6	Jeremy R. & Jennifer L. Garton	586 / 138	1.00
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104	7D / 56	Christopher R. & Ginger R. Franklin	--- / ---	1.55
105	7D / 53	Erlo T. & Stephanie M. Smith	687 / 79	0.93
106	7D / 49	Erlo T. & Stephanie M. Smith	687 / 79	0.53
107	7D / 50	William P. & Amy W. Goldsmith	665 / 391	1.97
108	7D / 47	Steven B. & Valerie E. Corley	668 / 328	1.00
109	7D / 51	William P. & Amy W. Goldsmith	665 / 391	8.89
110	7D / 11	Ricky W. Frame	677 / 723	31.50
111	7D / 22	James Alonzo & Carol Trefz Smith	342 / 89	37.85
112	7C / 53.12	Joseph J. Garton	559 / 520	2.00
113	7D / 10	Tamela B. Smith	452 / 311	40.00
114	7C / 5	John L. & Sue Ann Spiker	549 / 219	135.30
115	7D / 5	WVU Board of Governors	584 / 524	323.00
116	7D / 9.1	Deerfield Country Club Inc.	359 / 409	572.21
117	7E / 30	J. Bean Nicholson	509 / 215	61.17

FILE NO: 79-36-12-U-F-18
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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: September 9 2020
OPERATOR'S WELL NO. McDonald 1211 S-9H
API WELL NO
47 - 041 - 05706
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

TH - West Milford
QUADRANGLE: BH - Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: HG Energy II Appalachia, LLC

ACREAGE: 61.50

ROYALTY OWNER: Mary E. 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) MOD - BH 6,800' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,178' MD

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

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

WW-6A1
(5/13)

Operator's Well No. McDonald 1211 S-9H

**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 **

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

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

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

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

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

1211S - 9H LEASE CHAIN

TRACT #	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
45	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	
				36	FK108141	03-007B-0021-0000 03-007B-0021-0001 03-007B-0022-0000 p/o 03-007B-0010-0001	Q100279000	GEO. W. NEELY AND M. G. NEELY, HIS WIFE; NELSON REED AND B. J.
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
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					139
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					170
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723					527
44	FK108079	03-007B-0014-0000 03-007B-0015-0000 p/o 03-007B-0017-0000						T. P. BARB, SINGLE; AND J. H. MCKINLEY
				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
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	727	765
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				JESSE LEESON AND SUSIE LEESON, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	44	278
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127
HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370				
RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202				

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35	FK053196	03-007C-0032-0000 03-007C-0032-0001 03-007C-0032-0002 03-007C-0032-0003 03-007C-0032-0004	Q100277000	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	58	362				
				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	AMENDED AND RESTATED PARTIAL ASSIGNMENT SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	527				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499				
				18	FK053193	03-07C-0029-0000 03-07C-0030-0001 03-07C-0030-0002 03-07C-0030-0003 03-07C-0030-0004 03-07C-0030-0006 03-07C-0030-0007 03-07C-0030-0008 03-07C-0030-0009 03-07C-0030-0010 03-07C-0034-0000 03-07C-0037-0000 03-07C-0038-0000	Q101025000	CORDELIA BAILEY	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	38
SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85					127				
HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79					370				
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	58					362				
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	AMENDED AND RESTATED PARTIAL ASSIGNMENT SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723					527				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723					499				
8	FK094315 FK053271	03-007C-0035-0000 Q100385000 03-007C-0036-0000 Q100922000	Q100483000 Q100385000 Q100922000					VIRGINIA B. ALLMAN, GUARDIAN FOR IDA N. ALLMAN, RESSA ALLMAN, OLA ALLMAN, AND MYRTLE B. ALLMAN, INFANT HEIRS OF D. S. ALLMAN, DEC'D (4/7)	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	21
								JOHN ALLMAN AND LILLIE M. ALLMAN, HIS WIFE; VIRGINIA B. ALLMAN; J. L. ALLMAN AND J. M. ALLMAN, HIS WIFE; AND J. M. ALLMAN (3/7)	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	23
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127				
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370				
				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				
				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	AMENDED AND RESTATED PARTIAL ASSIGNMENT SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	527				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558				
				C. BURKE MORRIS AND CHRISTINE MORRIS, HIS WIFE; MRS. DANIEL HEEFNER AND DANIEL HEEFNER, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	209	451				
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				

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23	FK061778	03-07C-0008-0000 p/o 03-07C-0026-0001 p/o 03-07C-0026-0000 03-07C-0027-0000 03-07C-0029-0001 03-07C-0039-0000 03-07C-0040-0000	Q100955000	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
				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
				14	FK064075	03-007C-0041-0000	Q100853000	D. D. REXROAD, H.L.FRASHUER,OLA ALLMAN, AND WEAVER BARBE, TRUSTEES OF MCCANS RUN METHODIST CHURCH
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	499				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527				
51	p/o FK053232	p/o 03-007C-0057-0000		SEE TRACT 15 BELOW				

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15	FK053232	03-007C-0057-0000 03-007C-0057-0001 03-007C-0052-0002 p/o 03-007C-0041-0000		C. W. SMITH AND S. A. SMITH, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	136
				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
				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				
22	FK064402	p/o 03-007C-0026-0000 p/o 03-007C-0026-0001 03-007C-0026-0002 03-007C-0026-0003 03-007C-0026-0004 03-007C-0043-0000 03-007C-0043-0001 03-007C-0044-0000 03-007C-0045-0000 03-007C-0046-0000 03-007C-0047-0000 03-007C-0048-0000 03-007C-0054-0000 03-007C-0054-0001 03-007C-0055-0000 03-007C-0056-0000 03-007C-0056-0001	Q100702000	C. BURKE MORRIS AND CHRISTINE H. MORRIS, HIS WIFE; MABEL SMITH HEEFNER AND DANIEL HEEFNER, HER HUSBAND; B. E. WILLIAMS, WIDOWER; FRENCH M. WILLIAMS AND MAE WILLIAMS, HIS WIFE; MYRTLE WILLIAMS, WIDOW; MYRTLE WILLIAMS, GUARDIAN; LUCY M. GARTON, WIDOW; JAMES GARTON AND DELPHIA GARTON, HIS WIFE; NELLIE NICHOLAS, WIDOW; G. C. MCWHORTER AND ANNA MCWHORTER, HIS WIFE; AND H. D. WILLIAMS AND IDA O. WILLIAMS, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	222	10
				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
				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
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				17	FK064209	p/o 03-0003-0001-0000 p/o 03-0003-0002-0000 p/o 03-0003-0006-0000 p/o 03-007C-0025-0000 p/o 03-007C-0049-0000	Q100975000	MAGGIE COTTRILL, WIDOW
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
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				
				ELBERT C. STROTHER AND DELORA STROTHER, HIS WIFE; LUCINDA S. DAWSON AND N. B. DAWSON, HER HUSBAND; AND EFFIE M. STROTHER	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	230	20
				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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20	FK065412	03-007C-0066-0000 03-007C-0066-0001		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				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				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				
33	FK053189	03-0003-0008-0000 03-0003-0008-0001 03-0003-0009-0001 p/o 03-0003-0009-0002 03-0003-0009-0004 03-0003-0011-0000 03-0003-0011-0001 p/o 03-0003-0012-0000 p/o 03-0003-0013 03-007C-0053-0001 03-007C-0053-0002 p/o 03-007C-0053-0004 03-007C-0053-0007 03-007C-0053-0012	Q100384000	HENRY A. FLETCHER AND MARY L. FLETCHER, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	73				
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127				
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370				
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	MERGER/NAME CHANGE	WVSOS					
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
				p/o 03-0003-0009-0002	CONSOLIDATED GAS SUPPLY CORPORATION	ASSIGNMENT	425	127				
				03-0003-0009-0004	CONSOLIDATED GAS TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				03-0003-0011-0000	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				03-0003-0011-0001	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	154			
				p/o 03-0003-0012-0000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57			
				p/o 03-0003-0013	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848			
				03-007C-0053-0001	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1			
				03-007C-0053-0002	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139			
				p/o 03-007C-0053-0004	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS				
				03-007C-0053-0007	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527			
				03-007C-0053-0012	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499			
				24	FK062279	p/o 03-0003-0001-0000 p/o 03-0003-0001-0001 03-0003-0003-0000 03-0003-0004-0000 p/o 03-0003-0002-0000 p/o 03-0003-0006-0000 p/o 03-007C-0023-0000 03-007C-0024-0000 p/o 03-007C-0025-0000 03-007C-0050-0000 03-007C-0050-0001 p/o 03-007C-0051-0000	Q100357000	ALDERSON BROADDUS COLLEGE, INC.	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	212	305
								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				
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				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734					558				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	736					220				
47	FK052975	03-0001-0001-0000 THRU 03-0001-0009-0000 03-0001-0009-0001 03-0001-0009-0002 03-0001-0009-0003 03-0001-0010-0000 THRU 03-0001-0024-0000 03-0001-0026-0000 03-0001-0026-0001 03-0001-0027-0000						DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	NOT LESS THAN 1/8	692	570
								CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
								DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1				
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170				
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	736	220				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	736	220				

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		03-0001-0028-0000 03-0001-0029-0000 03-0001-0029-0001 03-0001-0031-0000 03-0001-0032-0000 03-0001-0032-0001 03-0001-0034-0000 THRU 03-0001-0046-0000 03-0001-0050-0000 03-0001-0050-0001						
27.4	N/A	03-0001-0008-0000 03-0001-0009-0000	HGII120	BETTY M PAUGH	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	737	158
27.5	N/A	03-0001-0009-0001	HGII107	WILLIAM C SMARR AND MABLE SMARR	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	732	863
27.6	N/A	03-0001-0009-0002	HGII082	FREDDIE LEE FOX AND BETTY G FOX	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	734	287
27	FK072646	03-0001-0008-0000 03-0001-0009-0000 03-0001-0009-0001 03-0001-0009-0002 03-0001-0050-0000 03-0001-0050-0001 03-007C-0052-0006 03-007C-0052-0007 03-007C-0052-0008 03-007C-0052-0013 03-007D-0045-0000 THRU 03-007D-0059-0000 p/o 03-0001-0074-0000 p/o 03-007C-0053-0004	Q100574000 Q100739000 Q100573000	GEORGE JOSEPH GARTON AND JEANNE V. GARTON, HIS WIFE; CHARLES E. GARTON AND OPAL D. GARTON, HIS WIFE; MARY CATHERINE ROBERTS AND TERRELL N. ROBERTS, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	285	554
				E. RAY BENNETT AND HAZEL L. BENNETT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	285	248
				HARRY V. CAMPBELL, HUGH A. CURRY, JOHN S. ALFRIEND AND THOMAS B. JACKSON, TRUSTEES OF THE EPISCOPAL CHURCH OF WEST VIRGINIA	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	299	418
				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
				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
				4	DAD62182	04-007D-0011-0000	Q092925000 CNXDAD62182	LUCILLE HAYS, WIDOW
GAS EXPLORATION & DEVELOPMENT COMPANY	DOMINION APPALACHIAN DEVELOPMENT, INC	MERGER/NAME CHANGE	WVSOS					
DOMINION APPALACHIAN DEVELOPMENT, INC	DOMINION APPALACHIAN DEVELOPMENT, LLC	MERGER/NAME CHANGE	10					38
DOMINION APPALACHIAN DEVELOPMENT, LLC	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651					225
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	ASSIGNMENT	658					715
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	659					521
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
56		04-007D-0010-0000 04-007D-0022-0000	CNX052828					MARY J. HAYS, NANCY E. HAYS, M. R. HAYS, AND L. R. HAYS
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370
				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	622	701
				DOMINION EXPLORATION & PRODUCTION, INC.	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	658	684
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	659	521
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170

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2	268574000	03-007D-0032-0000 04-007D-0005-0000	CNX073150	PRUDENCE M. O'HARA AND C. A. O'HARA, HER HUSBAND, MATTHEW EDMISTON, JR. AND MILDRED EDMISTON, HIS WIFE, GEORGE B. EDMISTON, M. D. AND BEATRICE EDMISTON, HIS WIFE, VIRGINIA C. SANCHEZ AND FRANK SANCHEZ, HER HUSBAND, ELIZABETH E. BLAND AND JOSEPH H. BLAND, HER HUSBAND, JOHN M. EDMISTON AND EMILIE M. EDMISTON, HIS WIFE, ANDREW EDMISTON AND MARY ALICE EDMISTON, HIS WIFE, ANDREW EDMISTON AND BETH GAGE EDMISTON, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8 (386 AC)	289	230
				MATTHEW EDMISTON, JR. AND MILDRED EDMISTON, HIS WIFE, AND MATTHEW EDMISTON, JR. ATTORNEY-IN-FACT FOR BEATRICE EDMISTON (WIDOW OF GEORGE B. EDMISTON), ELIZABETH E. BLAND & JOSEPH BLAND, HER HUSBAND, JOHN M. EDMISTON & EMILY EDMISTON, HIS WIFE, ANDREW J. EDMISTON & MARY ALICE EDMISTON, HIS WIFE	JAMES F. SCOTT AND SCOTT OIL & GAS COMPANY	NOT LESS THAN 1/8 (21 AC)	383	580
				BETH GAGE EDMISTON (WIDOW)	JAMES F. SCOTT AND SCOTT OIL & GAS COMPANY	NOT LESS THAN 1/8 (21 AC)	383	584
				CATHERINE C. CRAIG (WIDOW)	JAMES F. SCOTT AND SCOTT OIL & GAS COMPANY	NOT LESS THAN 1/8 (21 AC)	383	586
				PHILIP L. JONES & MARY SUE JONES, HIS WIFE, MINTIE C. HALE & WILLIAM K. HALE, HER HUSBAND, AND ELIZABETH A. MCCORMICK & PETER MCCORMICK, HER HUSBAND (HEIRS OF VIRGINIA C. MITCHEM)	JAMES F. SCOTT AND SCOTT OIL & GAS COMPANY	NOT LESS THAN 1/8 (21 AC)	383	582
				A. EDWARD O'HARA AND JEANNE O'HARA, HIS WIFE	JAMES F. SCOTT AND SCOTT OIL & GAS COMPANY	NOT LESS THAN 1/8 (21 AC)	384	433
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				JAMES F. SCOTT AND JEAN H. SCOTT, HIS WIFE	CONVEST 1980-II ENERGY INCOME PROGRAM	ASSIGNMENT	397	60
				CONVEST 1980-II ENERGY INCOME PROGRAM	CONVEST PRODUCTION COMPANY	ASSIGNMENT	439	639
				JAMES F. SCOTT, UNMARRIED, SCOTT OIL AND GAS COMPANY, INC., CONVEST ENERGY CORPORATION, CONVEST 1980-II ENERGY INCOME PROGRAM, CONVEST 1982-B INCOME PROGRAM, CONVEST 1982-C INCOME PROGRAM, CONVEST INCOME PROGRAM VII, ALSO KNOWN AS CONVEST INCOME PROGRAM VII-A	CONVEST PRODUCTION COMPANY	ASSIGNMENT	460	383
				CONVEST PRODUCTION COMPANY	BNG, INC	ASSIGNMENT	460	494
				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	9	628
				BNG, INC	STONEMALL GAS COMPANY	ASSIGNMENT	522	341
				STONEMALL GAS COMPANY	DOMINION APPALACHIAN DEVELOPMENT, INC	MERGER/NAME CHANGE	WVSOS	
				DOMINION APPALACHIAN DEVELOPMENT, INC	DOMINION APPALACHIAN DEVELOPMENT, LLC	MERGER/NAME CHANGE	10	38
				DOMINION APPALACHIAN DEVELOPMENT, LLC	CONSOL GAS APPALACHIAN DEVELOPMENT, LLC	MERGER/NAME CHANGE	9	471
				CONSOL GAS APPALACHIAN DEVELOPMENT, LLC	CONSOL GAS RESERVES	MERGER/NAME CHANGE	9	471
				CONSOL GAS RESERVES	CONSOL GAS COMPANY	MERGER/NAME CHANGE	9	471
				CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9	471
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	659	521
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	659	662
				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
				A. W. WOODFORD AND SABRA WOODFORD	J. S. GLENN	NOT LESS THAN 1/8	30	545
				J. S. GLENN	THEODORE N. BARNSDALL	ASSIGNMENT	52	235
				T. N. BARNSDALL, AND OTHERS	RESERVE GAS COMPANY	ASSIGNMENT	85	106
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127				
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	628				
DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT	651	318				
CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	9	471				
CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9	471				

58	p/o 04-007D-0009-0001 p/o 04-007D-0009-0003 04-007E-0001-0000 04-007E-0002-0000 04-007E-0003-0000 04-007E-0004-0000 04-007E-0004-0001 p/o 04-007E-0024-0000 04-007E-0025-0000	CNX052705	A. W. WOODFORD AND SABRA WOODFORD	J. S. GLENN	NOT LESS THAN 1/8	30	545
			J. S. GLENN	THEODORE N. BARNSDALL	ASSIGNMENT	52	235
			T. N. BARNSDALL, AND OTHERS	RESERVE GAS COMPANY	ASSIGNMENT	85	106
			RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	628
			DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS LLC XVI	ASSIGNMENT	651	318
			CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	9	471
			CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	9	471

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	04-007E-0026-0000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	659	521
	04-007E-0067-0000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
	04-007E-0068-0000	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170

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