



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-7H
47-041-05704-00-00

Lateral Extension, 20888' to 29165' 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-7H
Farm Name: HG ENERGY II APPALACHIA, LLC
U.S. WELL NUMBER: 47-041-05704-00-00
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-7H 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 x Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow x Deep _____
Horizontal x

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: 29,165'

11) Proposed Horizontal Leg Length: 21,075'

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 X

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

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B.S. 9-23-20

18) CASING AND TUBING PROGRAM

<u>TYPE</u>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
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	29165'	29165'	CTS
Tubing							
Liners							

<u>TYPE</u>	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Lead 40% excess, Tail 0% Excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	20% excess yield = 1.10, tail yield 1.54
Tubing							
Liners							

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Kind:				SEP 28 2020
Sizes:				WV Department of Environmental Protection
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 21,075 lateral length, 29,165 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 - 15.9 ppg PNE-1 + 3% bwoc CaCl₂, 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess, Tail: 15.9 ppg, PNE-1 + 2.5% bwoc CaCl₂, zero% Excess, CTS
Production - Lead: 14.5 ppg POZ/PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170, Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess, Lead Yield=1.19, Tail Yield=1.94, CTS

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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-7H
Marcellus Shale Horizontal
Lewis County, WV

WV Department of Environmental Protection			1211 S-7H SHL				14211858.99N 1789495.03E			
Ground Elevation 1265.5'			1211 S-7H LP				14210742.44N 1787259.49E			
Azim 159.569 / 162.239°			1211 S-7H BHL				14190884.2N 1794276.65E			
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 / Gantz (Storage)	1545 / 1830	1650 / 1890					
			Intermediate 1	0	2040					
	12.25"	9-5/8" 40# J-55 BTC	Fifty / Thirty Foot	1940 / 2037	1965 / 2060	AIR / KCL Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	Bow Spring on first 2 joints then every third joint to 100' form surface	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=3950 psi
			Gordon Stray / Gordon	2060 / 2130	2130 / 2220					
			5th Sand	2320	2360					
			Bayard Sand	2405	2420					
	8.5" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3025	3041	AIR / 9.0ppg SOB	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 SOB					
	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 SOB						
	TMD / TVD (Production)	29153	6800							
		Onondaga	6835							

LP @ 6800' TVD / 8078' MD

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

+/-21075' ft Lateral

TD @ +/-6800' TVD
+/-29153' MD

X=centralizers

11,737' to Bottom Hole

4,568' to Top Hole

BTM LATITUDE 39 - 05 - 00
TOP LATITUDE 39 - 10 - 00

HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-7H MOD



Page 1 of 4

Notes:
Well No. McDonald 1211 S-7H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°08'02.23" Latitude: 39°04'34.56"
Longitude: 80°28'27.99" Longitude: 80°27'28.88"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,331,783.284m N: 4,325,390.160m
E: 545,439.176m E: 546,896.620m
Plat orientation and corner and well references are
based upon the grid north meridian.
Well location references are based upon the magnetic
meridian.

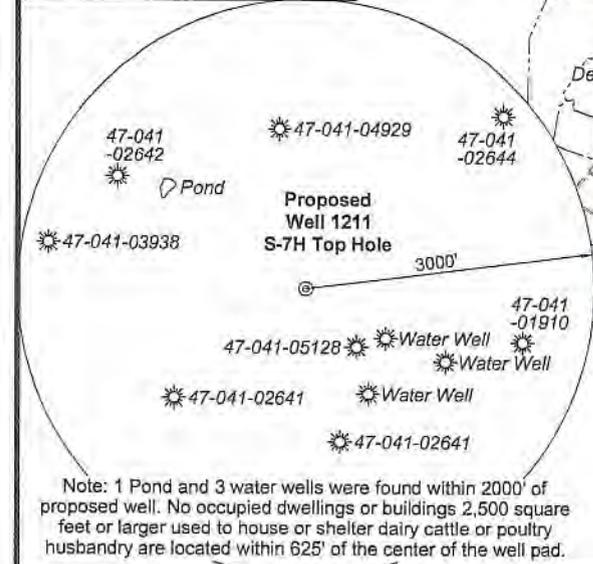
TOP LONGITUDE 80 - 27 - 30
BTM LONGITUDE 80 - 25 - 00

11,912' to Top Hole

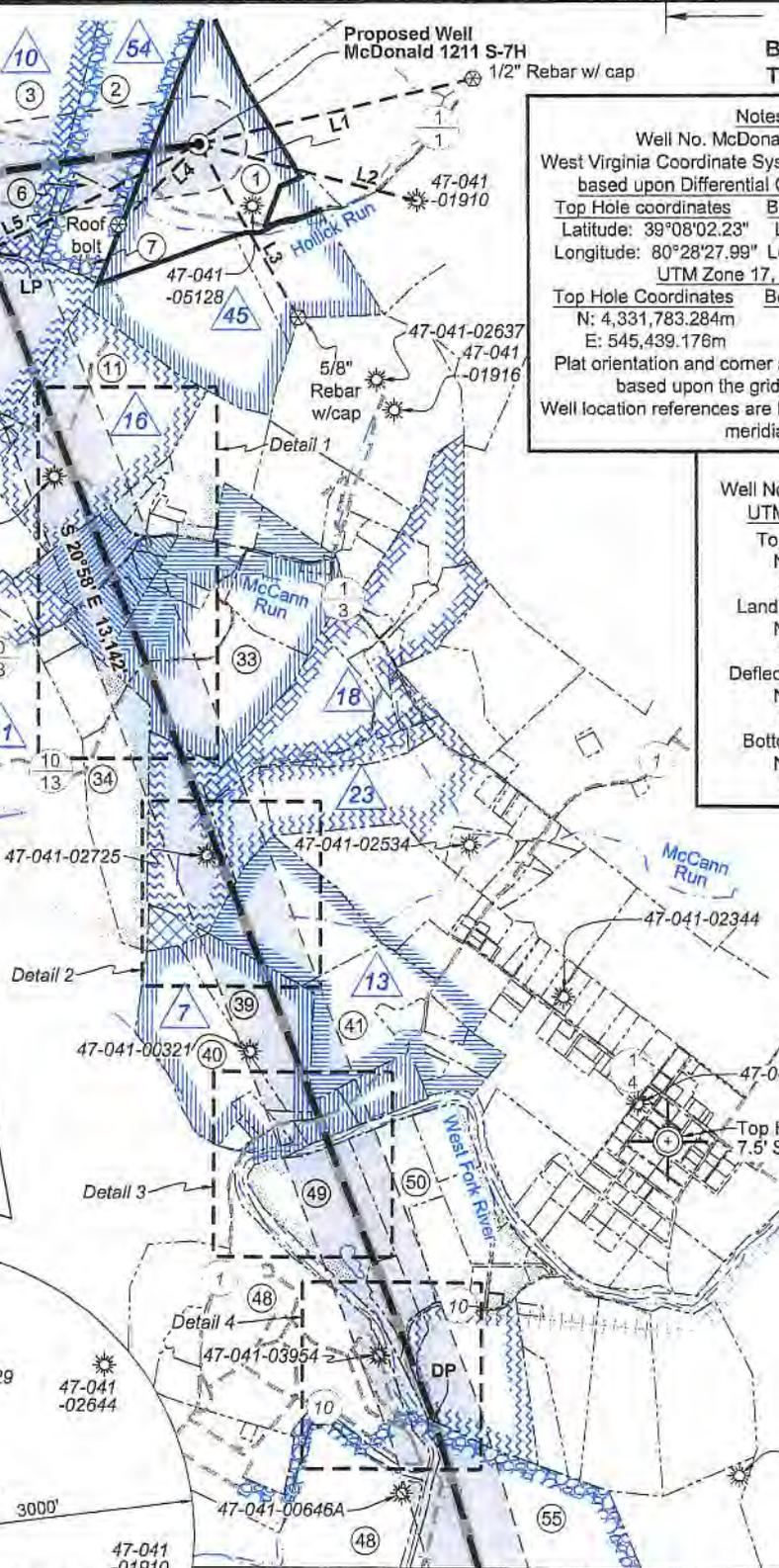
2,573' to Bottom Hole

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

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



GRID NORTH



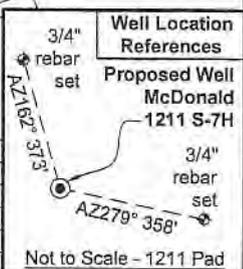
Notes:
Well No. McDonald 1211 S-7H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,211,858.99'
E: 1,789,495.03'
Landing Point Coordinates
N: 14,210,742.44'
E: 1,787,259.49'
Deflection Point Coordinates
N: 14,198,470.49'
E: 1,791,961.50'
Bottom Hole Coordinates
N: 14,190,884.20'
E: 1,794,276.65'

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Tag	Bearing	Dist.
L1	S 76°49' W	2,965.8'
L2	N 75°29' W	2,362.3'
L3	N 29°41' W	2,093.5'
L4	N 45°25' E	1,190.4'
L5	S 63°28' W	2,498.9'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-7H 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 14 2020
OPERATOR'S WELL NO. McDonald 1211 S-7H
API WELL NO
47 - 041 - 05704
STATE COUNTY PERMIT

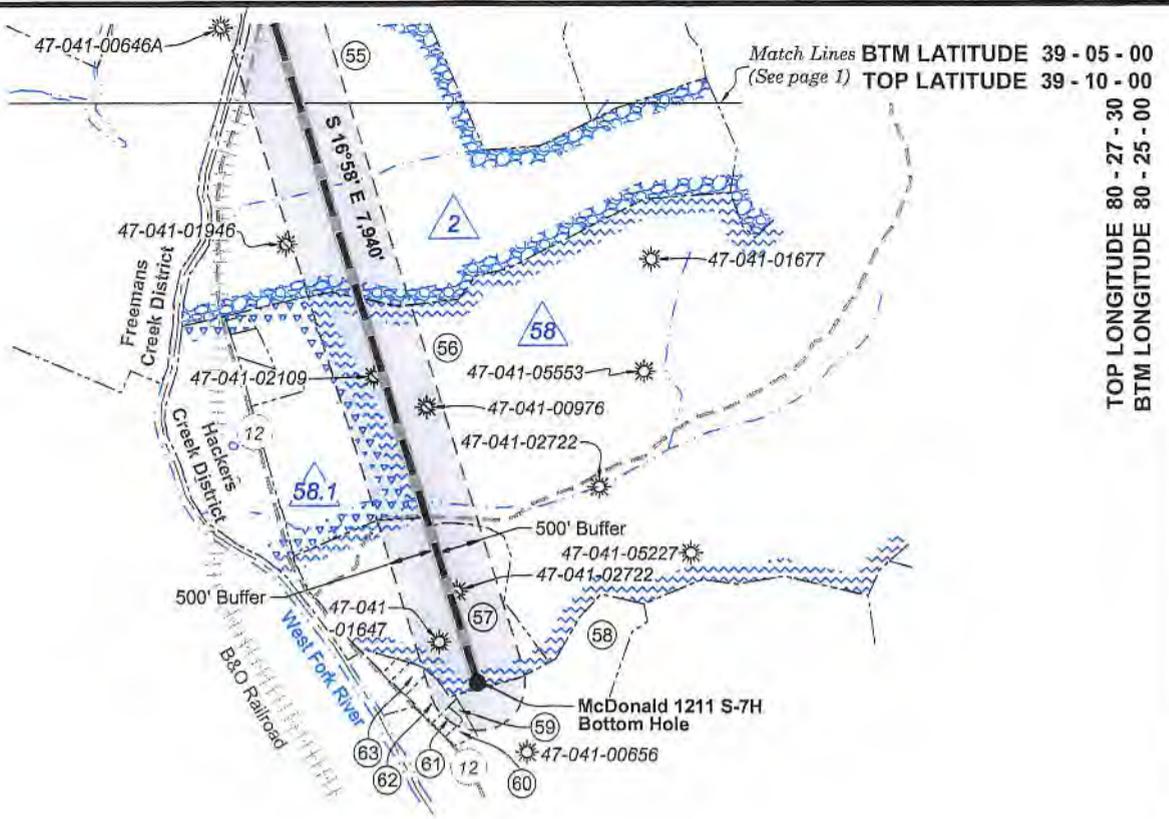
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,265.5' WATERSHED: Middle West Fork Creek TH - West Milford
DISTRICT: Freemans Creek QUADRANGLE: BH - Weston
SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Lewis
ROYALTY OWNER: Mary E. Post, et al, et al LEASE NO: ACREAGE: 61.50
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 - DP & BH 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,165' 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-7H MOD**



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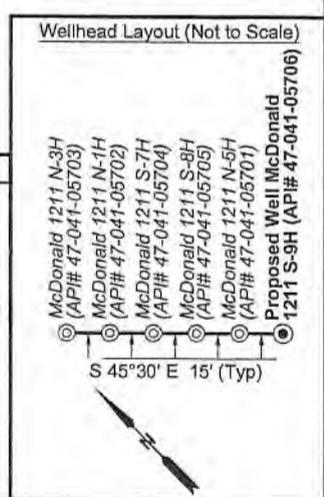


ID	Lease
1	Juliet P. Hayes
2	Prudence M. O'hara, et al
5	C. Burke Morris
6	Mary E. Clark, et vir
7	W.A. Chittum, et al
10	J.L. Post, et al
11	W.D. Hitt, et al
12	G.C. Smith
13	Bertha H. Nay, et al
18	D. Cordelia Bailey
19	Henry L. Frashuer, et al
23	C. Burke Morris, et al
28	M.G. Matheny, et al
29	J.L. Allman, et al
30	W.D. Allman, et al
32	J.L. Allman, et al
37	Susan R. Hall, et al
38	C. Burke Morris, et al
39	Cyrus W. Smith, et al
45	Mary E. Post, et al
46	T.S. Allman, et al
54	HG Energy II Appalachia, LLC
58	P. Garton, et al
58.1	A.W. Woodford, et al

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Environmental Protection



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

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Submeter
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OIL AND GAS DIVISION

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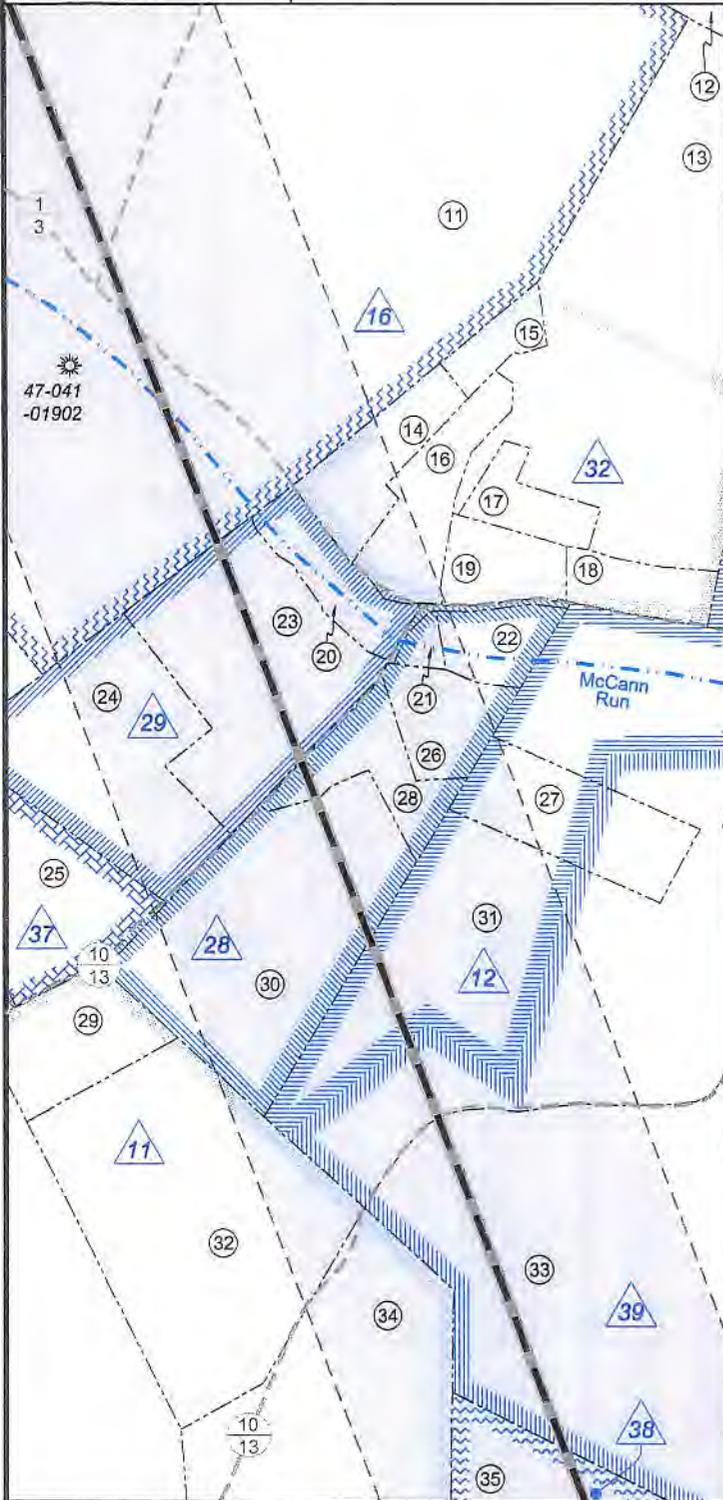
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ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

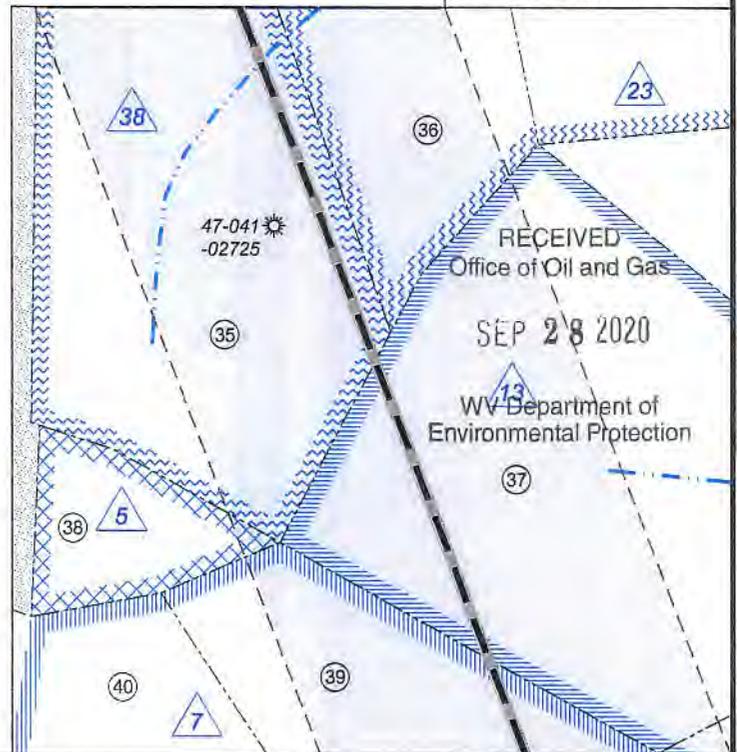


Detail 1 - Scale: 1" = 500'



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	6B / 41	Brincefield Family Trust	588 / 740	71.62
4	6B / 42	Brincefield Family Trust	588 / 740	28.00
5	6B / 43	Brincefield Family Trust	588 / 740	69.36
6	7B / 9.2	Brincefield Family Trust	588 / 740	10.51
7	7B / 9.1	Frank McDonald	479 / 8	3.73
8	6B / 44	David G. Layton	697 / 278	75.50
9	6C / 59	Charles W. & Debra D. Queen	543 / 274	0.55
10	6C / 62	Bryan T. Beam	W46 / 461	37.83
11	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
12	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
13	7C / 1	William B. & Teresa A. McCormick	605 / 385	22.76
14	7C / 1.1	Timothy J. & Tawney A. Wyatt	509 / 18	2.10
15	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
16	7C / 1.3	Cecil L. & Sona J. Dempsey	437 / 356	2.22
17	7C / 1.4	Joyce Lea Williams	638 / 86	1.11
18	7C / 2	Robert A. & Jane E. Horn	515 / 121	1.19
19	7C / 3	Benjamin T. & Casey Brown	605 / 657	1.32
20	7C / 4	Basil W. Allmon, Jr.	700 / 355	2.53
21	7C / 5.2	Richard A. Westfall	674 / 151	0.26
22	7C / 5.1	Shaun C. & Sheila K. Dempsey	506 / 752	1.15
23	6C / 56	Kenneth B. & Lydia M. Burroughs	640 / 110	6.35
24	6C / 56.1	Kenneth B. & Lydia M. Burroughs	361 / 369	6.12
25	6C / 55	Kenneth B. & Lydia M. Burroughs	336 / 47	5.10

Detail 2 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-7H Well Plat
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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

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DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

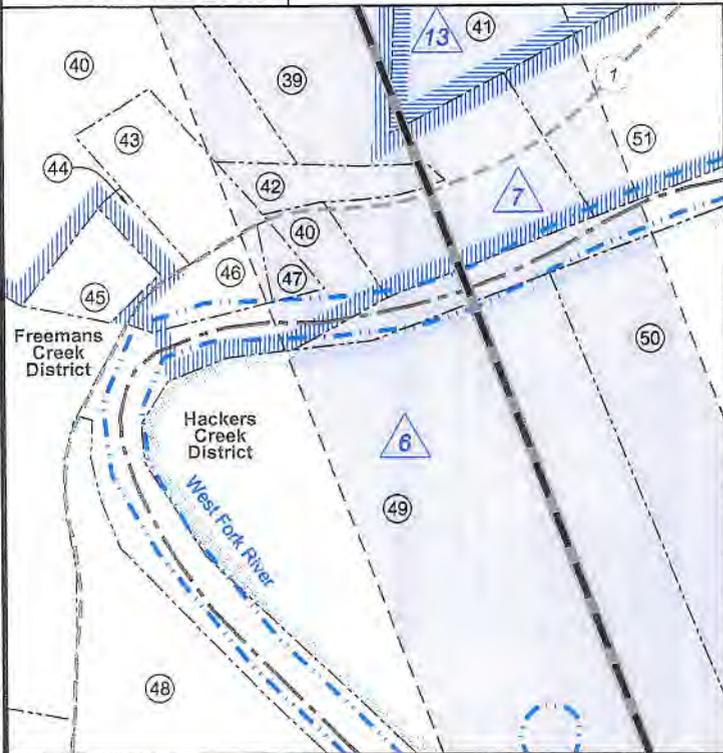
ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101



Detail 3 - Scale: 1" = 500'



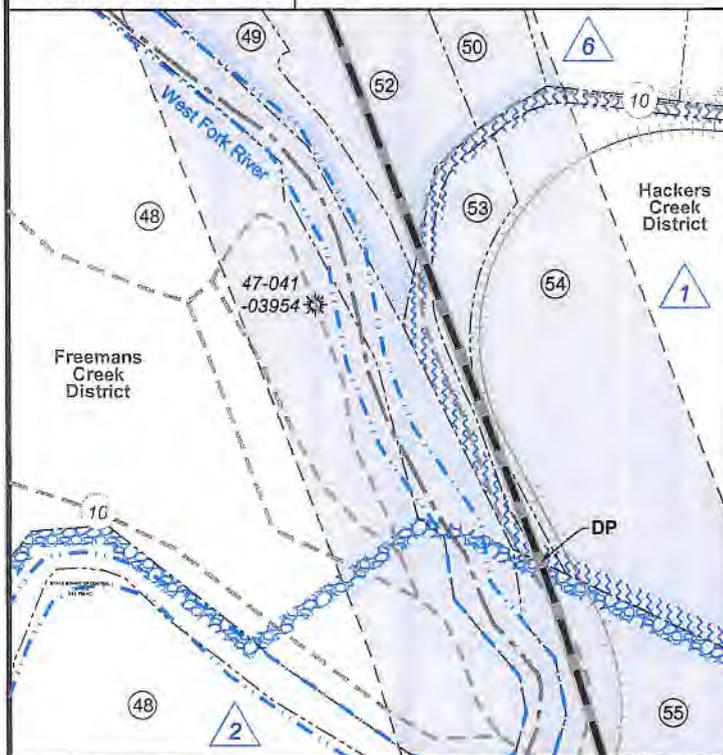
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WV Department of
Environmental Protection

No.	TM / Par	Owner	Bk / Pg	Ac.
26	7C / 5.3	Phillip J. & Roberta A. Stutler	359 / 443	1.67
27	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
28	7C / 5.5	Phillip J. & Roberta A. Stutler	400 / 733	1.68
29	6C / 54	Kenneth B. & Lydia M. Burroughs	336 / 47	2.00
30	7C / 5	James M. Posey	667 / 710	6.06
31	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
32	6C / 53	Kenneth B. & Lydia M. Burroughs	336 / 47	11.00
33	7C / 6.2	Bette Garath	412 / 593	36.15
34	7C / 7	Bette Garath	397 / 214	34.00
35	7C / 9	Bette Garath	397 / 214	31.00
36	7C / 8	Bette Garath	397 / 214	20.00
37	7C / 22	Fred Allen Bailey	452 / 268	35.35
38	7C / 10	Bette Garath	397 / 214	4.20
39	7C / 11	Roger A. Allman	721 / 347	37.39
40	7C / 12	Roger A. Allman	721 / 347	36.35
41	7C / 22.2	William B. Williams II	593 / 139	28.69
42	7C / 11.1	Robert G. Elliot	660 / 512	1.15
43	7C / 13	Ethel J. Bulka	545 / 372	2.40
44	7C / 14	Jason Sloan	633 / 605	0.43
45	7C / 15	Dixie & Wilma Wine	536 / 490	1.15
46	7C / 17	E. Jean Bulka	605 / 841	1.20
47	7C / 18	Elizabeth Stark	717 / 457	0.75
48	7D / 32	WVU Board of Governors	584 / 524	221.65
49	7D / 1	James A. & Carol T. Smith	343 / 62	29.57
50	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
51	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
52	7D / 3	Larry H. McCoy	367 / 208	7.18
53	7D / 4	James A. & Carol T. Smith	343 / 62	2.48
54	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
55	7D / 5	WVU Board of Governors	584 / 524	323.00
56	7D / 9.1	Deerfield Country Club, Inc.	359 / 409	572.21
57	7E / 68	Delores B. Adler	--- / ---	67.11
58	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
59	7E / 28	Joshua T. & Crystal A. Frazier	642 / 97	0.60
60	7E / 22	John W. Nash, et al	724 / 564	1.40
61	7E / 23	Joshua T. & Crystal A. Frazier	642 / 97	1.25
62	7E / 24	Janet L. & Loy Clifton Byrd, Jr.	558 / 369	3.26
63	7E / 25	Dennis E. & Whitney Ballard	572 / 820	1.53

Detail 4 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-7H 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 14 2020
OPERATOR'S WELL NO. McDonald 1211 S-7H

API WELL NO
47 - 041 - 05704
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 Millford
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 - DP & BH 6,800' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,165' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

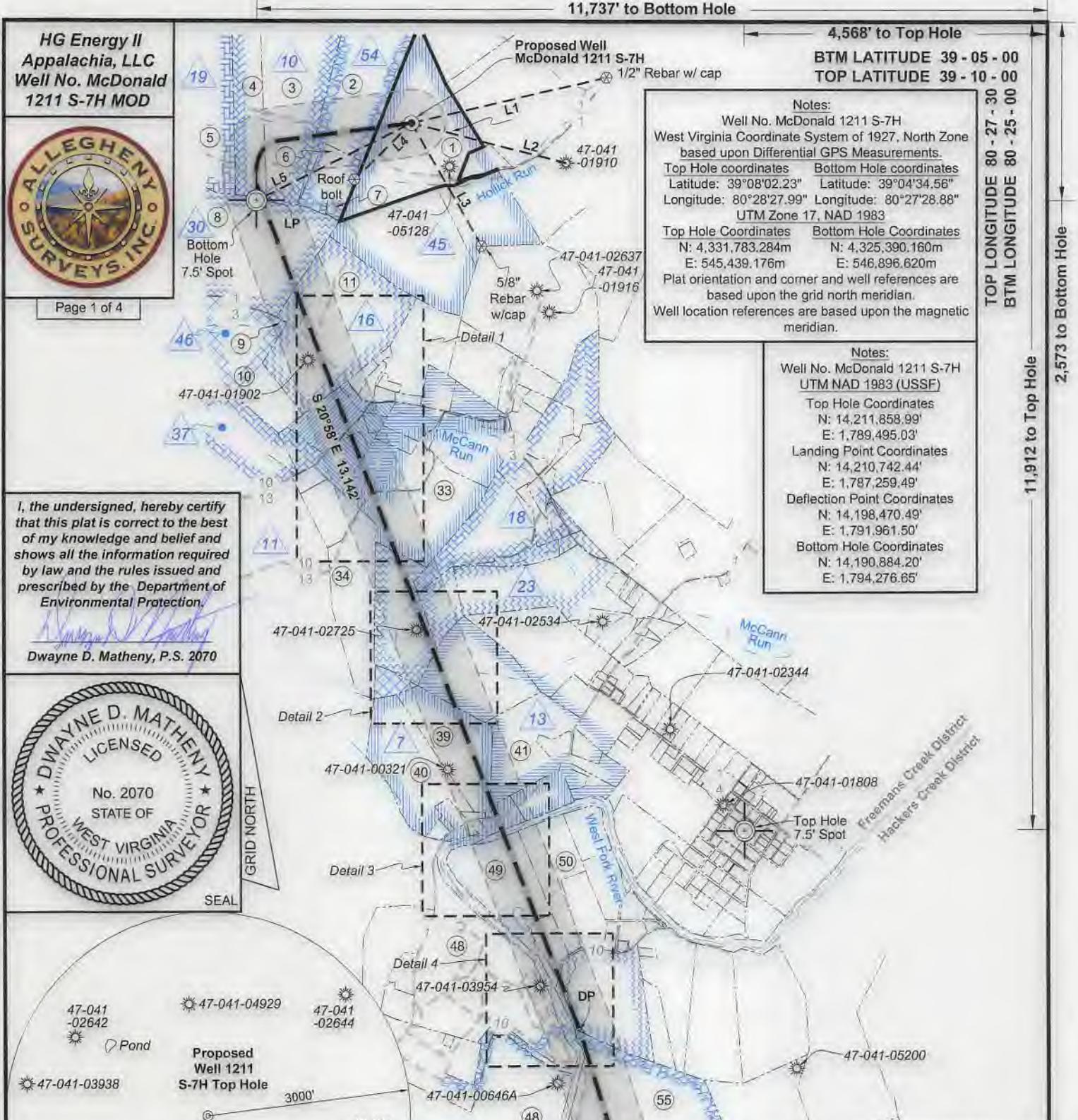
DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

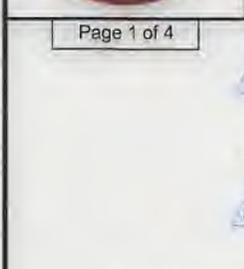
ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101



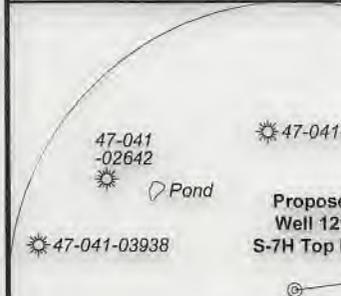
HG Energy II Appalachia, LLC
Well No. McDonald 1211 S-7H MOD



Page 1 of 4

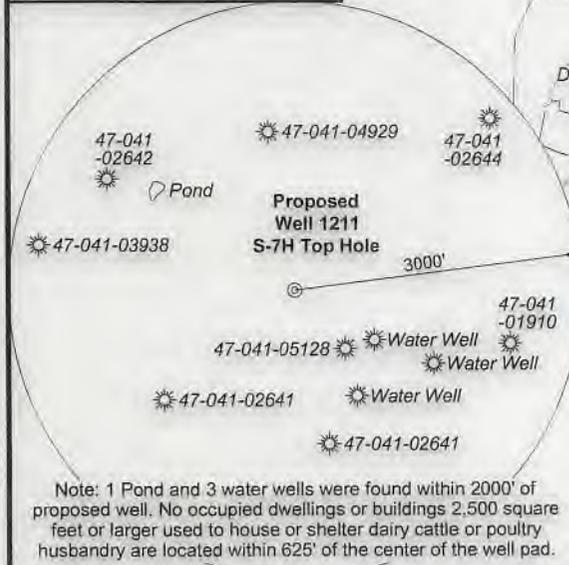
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny, P.S. 2070



Notes:
 Well No. McDonald 1211 S-7H
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°08'02.23" Latitude: 39°04'34.56"
 Longitude: 80°28'27.99" Longitude: 80°27'28.88"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,331,783.284m N: 4,325,390.160m
 E: 545,439.176m E: 546,896.620m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Notes:
 Well No. McDonald 1211 S-7H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,211,858.99'
 E: 1,789,495.03'
 Landing Point Coordinates
 N: 14,210,742.44'
 E: 1,787,259.49'
 Deflection Point Coordinates
 N: 14,198,470.49'
 E: 1,791,961.50'
 Bottom Hole Coordinates
 N: 14,190,884.20'
 E: 1,794,276.65'



Note: 1 Pond and 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Tag	Bearing	Dist.
L1	S 76°49' W	2,965.8'
L2	N 75°29' W	2,362.3'
L3	N 29°41' W	2,093.5'
L4	N 45°25' E	1,190.4'
L5	S 63°28' W	2,498.9'



FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-7H 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 14 2020
 OPERATOR'S WELL NO. McDonald 1211 S-7H
 API WELL NO
 47 — 041 — 05704
 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
 SURFACE OWNER: HG Energy II Appalachia, LLC COUNTY: Lewis
 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 - DP & BH 6,800' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,165' MD

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

11,737' to Bottom Hole

4,568' to Top Hole
 BTM LATITUDE 39 - 05 - 00
 TOP LATITUDE 39 - 10 - 00

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

11,912 to Top Hole

2,573 to Bottom Hole

**HG Energy II
Appalachia, LLC
Well No. McDonald
1211 S-7H MOD**



Page 2 of 4



ID	Lease
1	Juliet P. Hayes
2	Prudence M. O'hara, et al
5	C. Burke Morris
6	Mary E. Clark, et vir
7	W.A. Chittum, et al
10	J.L. Post, et al
11	W.D. Hitt, et al
12	G.C. Smith
13	Bertha H. Nay, et al
18	D. Cordelia Bailey
19	Henry L. Frashuer, et al
23	C. Burke Morris, et al
28	M.G. Matheny, et al
29	J.L. Allman, et al
30	W.D. Allman, et al
32	J.L. Allman, et al
37	Susan R. Hall, et al
38	C. Burke Morris, et al
39	Cyrus W. Smith, et al
45	Mary E. Post, et al
46	T.S. Allman, et al
54	HG Energy II Appalachia, LLC
58	P. Garton, et al
58.1	A.W. Woodford, et al

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



FILE NO: 79-36-12-U-F-18
DRAWING NO: McDonald 1211 S-7H 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 14 20 20
OPERATOR'S WELL NO. McDonald 1211 S-7H
API WELL NO
47 — 041 — 05704
STATE COUNTY PERMIT

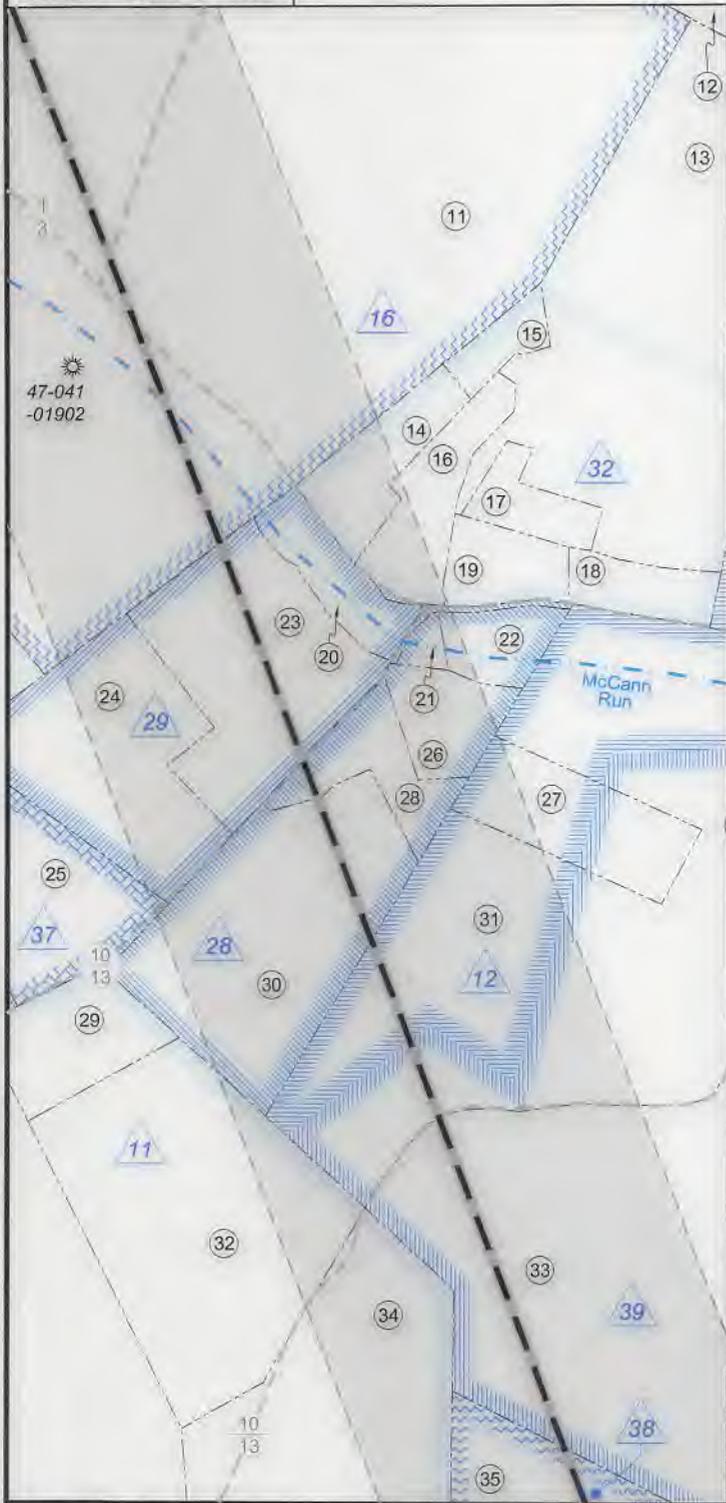
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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: 145.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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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

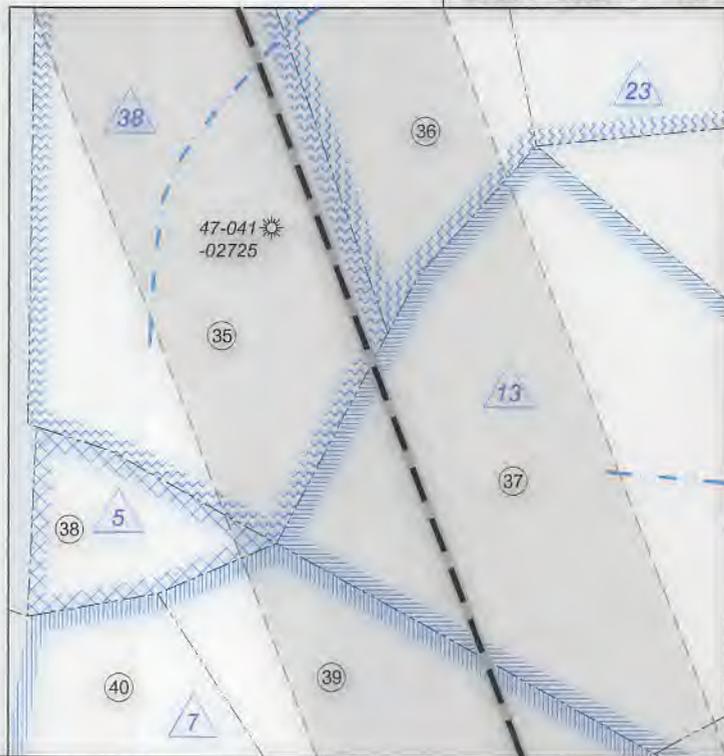


Detail 1 - Scale: 1" = 500'



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	6B / 41	Brincefield Family Trust	588 / 740	71.62
4	6B / 42	Brincefield Family Trust	588 / 740	28.00
5	6B / 43	Brincefield Family Trust	588 / 740	69.36
6	7B / 9.2	Brincefield Family Trust	588 / 740	10.51
7	7B / 9.1	Frank McDonald	479 / 8	3.73
8	6B / 44	David G. Layton	697 / 278	75.50
9	6C / 59	Charles W. & Debra D. Queen	543 / 274	0.55
10	6C / 62	Bryan T. Beam	W46 / 461	37.83
11	6B / 47	Michael A. & Christine A. Cutlip	648 / 51	71.00
12	7B / 11	HG Energy II Appalachia LLC	730 / 677	54.50
13	7C / 1	William B. & Teresa A. McCormick	605 / 385	22.76
14	7C / 1.1	Timothy J. & Tawney A. Wyatt	509 / 18	2.10
15	7C / 1.2	Timothy J. & Tawney A. Wyatt	509 / 18	0.77
16	7C / 1.3	Cecil L. & Sona J. Dempsey	437 / 356	2.22
17	7C / 1.4	Joyce Lea Williams	638 / 86	1.11
18	7C / 2	Robert A. & Jane E. Horn	515 / 121	1.19
19	7C / 3	Benjamin T. & Casey Brown	605 / 657	1.32
20	7C / 4	Basil W. Allmon, Jr.	700 / 355	2.53
21	7C / 5.2	Richard A. Westfall	674 / 151	0.26
22	7C / 5.1	Shaun C. & Sheila K. Dempsey	506 / 752	1.15
23	6C / 56	Kenneth B. & Lydia M. Burroughs	640 / 110	6.35
24	6C / 56.1	Kenneth B. & Lydia M. Burroughs	361 / 369	6.12
25	6C / 55	Kenneth B. & Lydia M. Burroughs	336 / 47	5.10

Detail 2 - Scale: 1" = 500'



FILE NO: 79-36-12-U-F-18
 DRAWING NO: McDonald 1211 S-7H 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 14 2020
 OPERATOR'S WELL NO. McDonald 1211 S-7H
 API WELL NO
 47 - 041 - 05704
 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 - DP & BH

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,165' MD 6,800' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC

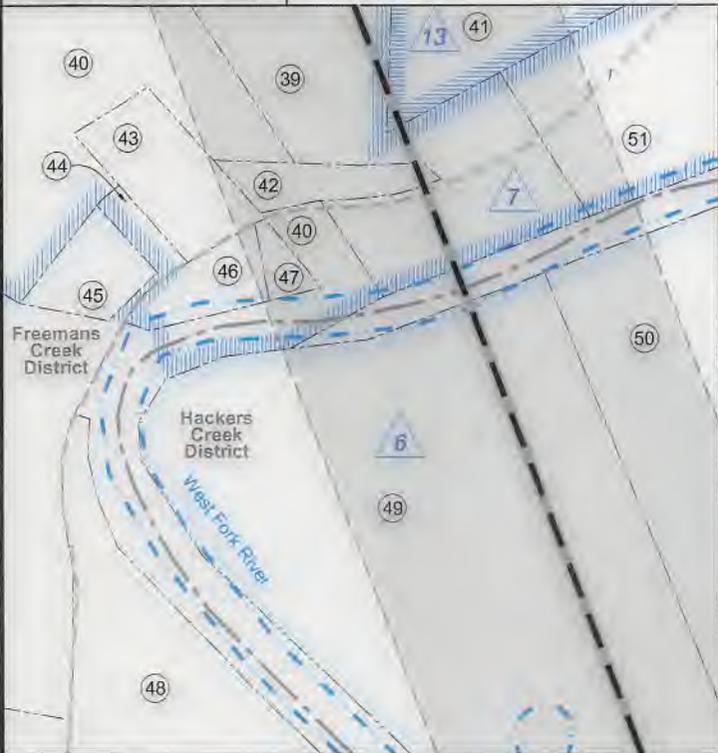
DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101

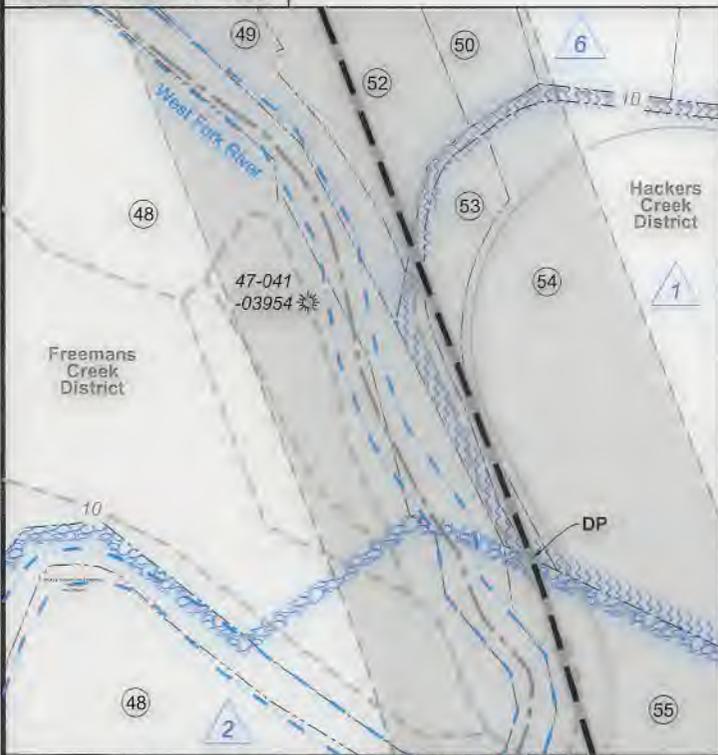
ADDRESS: 5260 Dupont Road
 Parkersburg, WV 26101



Detail 3 - Scale: 1" = 500'



Detail 4 - Scale: 1" = 500'



No.	TM / Par	Owner	Bk / Pg	Ac.
26	7C / 5.3	Phillip J. & Roberta A. Stutler	359 / 443	1.67
27	7C / 6.1	Clinton C. & Gerilyn H. Beam	556 / 174	3.00
28	7C / 5.5	Phillip J. & Roberta A. Stutler	400 / 733	1.68
29	6C / 54	Kenneth B. & Lydia M. Burroughs	336 / 47	2.00
30	7C / 5	James M. Posey	667 / 710	6.06
31	7C / 6.3	Clinton C. & Gerilyn H. Beam	636 / 200	19.33
32	6C / 53	Kenneth B. & Lydia M. Burroughs	336 / 47	11.00
33	7C / 6.2	Bette Garath	412 / 593	36.15
34	7C / 7	Bette Garath	397 / 214	34.00
35	7C / 9	Bette Garath	397 / 214	31.00
36	7C / 8	Bette Garath	397 / 214	20.00
37	7C / 22	Fred Allen Bailey	452 / 268	35.35
38	7C / 10	Bette Garath	397 / 214	4.20
39	7C / 11	Roger A. Allman	721 / 347	37.39
40	7C / 12	Roger A. Allman	721 / 347	36.35
41	7C / 22.2	William B. Williams II	593 / 139	28.69
42	7C / 11.1	Robert G. Elliot	660 / 512	1.15
43	7C / 13	Ethel J. Bulka	545 / 372	2.40
44	7C / 14	Jason Sloan	633 / 605	0.43
45	7C / 15	Dixie & Wilma Wine	536 / 490	1.15
46	7C / 17	E. Jean Bulka	605 / 841	1.20
47	7C / 18	Elizabeth Stark	717 / 457	0.75
48	7D / 32	WVU Board of Governors	584 / 524	221.65
49	7D / 1	James A. & Carol T. Smith	343 / 62	29.57
50	7D / 2	Donna M. & Aubrey E. Smith, Jr.	677 / 726	20.25
51	7C / 19	Nina R. Chapman, et al	665 / 345	9.11
52	7D / 3	Larry H. McCoy	367 / 208	7.18
53	7D / 4	James A. & Carol T. Smith	343 / 62	2.48
54	7D / 13	Christine G. & Paul R. Myers	657 / 110	33.36
55	7D / 5	WVU Board of Governors	584 / 524	323.00
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57	7E / 68	Delores B. Adler	--- / ---	67.11
58	7E / 29	John K. & Susan D. Butcher	732 / 259	40.97
59	7E / 28	Joshua T. & Crystal A. Frazier	642 / 97	0.60
60	7E / 22	John W. Nash, et al	724 / 564	1.40
61	7E / 23	Joshua T. & Crystal A. Frazier	642 / 97	1.25
62	7E / 24	Janet L. & Loy Clifton Byrd, Jr.	558 / 369	3.26
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FILE NO: 79-36-12-U-F-18
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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: September 14 2020
 OPERATOR'S WELL NO. McDonald 1211 S-7H
API WELL NO
 47 - 041 - 05704
 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: Freeman's 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
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 29,165' 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

**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

SEP 28 2020

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

1211S - 7H 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				
				NOBLE ENERGY, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848				
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	1				
				CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139				
				NOBLE ENERGY, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION ENERGY TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				54	FK052962	03-007B-0009-0000 03-007B-0009-0001 03-007B-0009-0002		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
								DOMINION TRANSMISSION, INC.	CNX GAS COMPANY, LLC AND NOBLE ENERGY, INC	NOT LESS THAN 1/8	692	570
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	722					170				
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS									
10	FK053255	03-006B-0041-0000 03-006B-0042-0000	Q100673000	J.L. POST, F.L. POST AND B.J. POST, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	292				
				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				
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170				
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527				
		03-006B-0034-0000		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				HENRY L. FRASHEUR AND ICIE FRASHEUR, HIS WIFE; BERTHA J. KELLY AND E.C. KELLY, HER HUSBAND; BERTHA BRINKLEY AND ALLMAN BRINKLEY, HER HUSBAND; MARY KATHERINE KEARNEY AND JAMES KEARNEY, HER HUSBAND; VIRGINIA PLUNKETT, MARRIED AND LIVING SEPARATE AND APART FROM HER HUSBAND, WILLIAM PLUNKETT; HALL POST AND NELLIE D. POST, HIS WIFE; WILLIAM G. POST AND EFFIE POST, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	211	478				
				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				

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19	FK062191	03-006B-0043-0000	Q101045000	CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. NOBLE ENERGY, INC. NOBLE ENERGY, INC. DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC DOMINION ENERGY TRANSMISSION, INC.	LIMITED PARTIAL ASSIGNMENT (50%) PARTIAL ASSIGNMENT (32%) ASSIGNMENT ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	684 712 717 722 722 WVSOS	57 848 1 139 170
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	499
				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	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	736	220
30	FK064485	03-006B-0044-000	Q100858000	W. D. ALLMAN, WIDOWER; S. M. ALLMAN AND CORA B. ALLMAN, HIS WIFE; MAYME A. SMITH AND J. W. SMITH, HER HUSBAND; EARL WIMER, WIDOWER; ZELLA BROWN AND TRUMAN BROWN, HER HUSBAND; BERNICE A. WOODDELL, SINGLE; GUY ALLMAN, WIDOWER; LORA BAILEY, WIDOW; H. R. HAMMER, WIDOWER; FLOY RAMSBURG AND HUGH RAMSBURG, HER HUSBAND; RUSSELL ALLMAN AND RUTH ALLMAN, HIS WIFE; L. C. ALLMAN AND FLORENCE ALLMAN, HIS WIFE; LLOYD W. SMITH AND MARJORIE M. SMITH, HIS WIFE; KATHLEEN C. ALLMAN, WIDOW; R. T. SMITH AND LAVAUGHN SMITH, HIS WIFE; BERNARD M. WOODDELL AND MARY L. WOODDELL, HIS WIFE; RAYMOND ALLMAN AND LEO ALLMAN, HIS WIFE; A. C. ALLMAN AND ORA ALLMAN, HIS WIFE	HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. NOBLE ENERGY, INC. NOBLE ENERGY, INC. NOBLE ENERGY, INC. DOMINION TRANSMISSION, INC.	NOT LESS THAN 1/8 CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE WVSOS WVSOS MEMORANDUM FARMOUT AGREEMENT LIMITED PARTIAL ASSIGNMENT (50%) PARTIAL ASSIGNMENT (32%) ASSIGNMENT ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE WVSOS	222 294 425 672 672 684 712 717 722 722 WVSOS	15 89 127 154 57 848 1 139 170
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	154
				DOMINION TRANSMISSION, INC.	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
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF	723	499
16	FK053188	03-006B-0047-0000	Q100921000	P. C. ALLMAN AND ELLA ALLMAN, HIS WIFE SOUTH PENN OIL COMPANY HOPE NATURAL GAS COMPANY RESERVE GAS COMPANY RESERVE GAS COMPANY HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. NOBLE ENERGY, INC. DOMINION TRANSMISSION, INC.	SOUTH PENN OIL COMPANY HOPE NATURAL GAS COMPANY RESERVE GAS COMPANY HOPE NATURAL GAS COMPANY HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. NOBLE ENERGY, INC. NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC DOMINION ENERGY TRANSMISSION, INC.	NOT LESS THAN 1/8 ASSIGNMENT ASSIGNMENT ASSIGNMENT CONFIRMATORY DEED CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE WVSOS WVSOS MEMORANDUM FARMOUT AGREEMENT LIMITED PARTIAL ASSIGNMENT (50%) PARTIAL ASSIGNMENT (32%) ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE WVSOS	42 85 79 155 294 425 425 672 672 684 712 717 722 WVSOS	19 127 370 202 89 127 154 57 848 1 139
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	154
				DOMINION TRANSMISSION, INC.	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
				DOMINION TRANSMISSION, INC.	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

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46	FK053236	p/o 03-006B-0045-0000 03-006B-0046-0000	Q100901000	T. S. ALLMAN AND MARY C. ALLMAN, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	140
				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				
31	FK064827	p/o 03-006C-0062-0000	Q100859000	FLOY RAMSBURG AND HUGH RAMSBURG, HER HUSBAND; GUY ALLMAN, WIDOWER; RUSSELL ALLMAN AND RUTH ALLMAN, HIS WIFE; L. C. ALLMAN AND FLORENCE ALLMAN, HIS WIFE; RAYMOND ALLMAN AND LEO ALLMAN, HIS WIFE; LORA A. BAILEY, WIDOW; GERALDINE HAMMER, SINGLE; AND A. C. ALLMAN AND ORA ALLMAN, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	223	129
				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				
53	FK052960	All or part of 03-7C-0001-0000-0000 03-7C-0001-0001-0000 03-7C-0001-0002-0000 03-7C-0001-0003-0000 03-7C-0001-0004-0000 03-7C-0002-0000-0000 and/or 03-7C-0003-0000-0000		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.	NOT LESS THAN 1/8	692	570
				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	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558

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29	FK064236	03-006C-0056-0000 03-006C-0056-0001 03-007C-0004-0000	Q100595000	J. L. ALLMAN, WIDOWER; AND SUSIE LESSON, WIDOW	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	220	336
				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
37	FK053178	03-006C-0048-0000 03-006C-0049-0000 03-006C-0051-0000 03-006C-0051-0001 03-006C-0052-0000 03-006C-0052-0001 03-006C-0055-0000	Q100482000	SUSAN R. HALL, J. W. HALL, ALDA J. HALL, AND MARY HALL	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	91
				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	ASSIGNMENT	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
				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				
32	FK068039	03-007C-0001-0001 03-007C-0001-0002 03-007C-0001-0003 03-007C-0001-0004 03-007C-0002-0000 03-007C-0003-0000 p/o 03-007C-0001-0000	Q101065000	J. L. ALLMAN, WIDOWER; T. E. CAYTON, JR. AND NORMA JEAN CAYTON, EACH IN IS OWN RIGHT AND AS HUSBAND AND WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	252	474
				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				
28	FK064072	03-007C-0005-0000 03-007C-0005-0001 03-007C-0005-0002 03-007C-0005-0003 03-007C-0005-0004 (NOW 03-006C-0057-0000)	Q143838000	MIKE ROSS, INC.	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	683	665
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	727	765
				G. C. SMITH, WIDOWER	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	215	512
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89

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12	FK062782	03-007C-0006-0000 03-007C-0030-0005 03-007C-0033-0000 p/o 03-007C-0006-0003 p/o 03-007C-0006-0001	Q100694000	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				
39	FK053268	03-007C-0006-0002 p/o 03-007C-0006-0001 p/o 03-007C-0006-0003 p/o 03-007C-0030-0000 p/o 03-007C-0031-0000	Q100769000	CYRUS W. SMITH (A/K/A C. W. SMITH) AND D. A. SMITH, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	522
				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
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				
11	FK053270	03-006C-0045-0000 03-006C-0046-0000 03-006C-0053-0000 03-006C-0054-0000 03-007C-0007-0000 p/o 03-006C-0043-0000 p/o 03-006C-0043-0001 p/o 03-006C-0047-0000	Q100675000	W. D. HITT AND ALDA HITT, HIS WIFE; J. C. HITT AND DORA HITT, HIS WIFE; L.A. MCCARTY AND F. R. MCCARTY, HER HUSBAND; GEORGE W. NEELY AND GRACE M. NEELY, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	524
				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
38	FK061777	03-0007C-0009-000	Q100690000	C. BURKE MORRIS AND CHRISTINE H. MORRIS, HIS WIFE; AND MRS. DANIEL HEEFNER (ALSO KNOWN AS MABEL SMITH HEEFNER) AND DANIEL HEEFNER, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	209	444
				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

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				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
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				D. 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	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
				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
				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
				BERTHA H. NAY, WIDOW; AND ETHEL V. LAW, WIDOW	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	209	422
				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

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5	FK066900	03-007C-0010-000	Q100314000	C. BURKE MORRIS AND CHRISTINE H. MORRIS, HIS WIFE; AND MABEL S. HEEFNER, WIDOW	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	244	374
				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
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220				
7	FK063153	03-007C-0011-0000 03-007C-0011-0001 03-007C-0012-0000 03-007C-0013-0000 p/o 03-007C-0014-0000 03-007C-0017-0000 03-007C-0018-0000 p/o 03-007C-0019	Q100397000 Q101047000	W. A. CHITTUM AND ZURA F. CHITTUM, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	217	419
				H. L. CHITTUM AND JEWEL E. CHITTUM, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	217	422
				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
6	FK076091 FK085756 FK065843 FK065819	04-07C-0001-0000 04-07C-0002-0000 04-07D-0001-0000 04-07D-0002-0000 04-07D-0003-0000 04-07D-0014-0000 04-07D-0015-0000 04-07D-00016-0000 04-07D-0017-0000 04-07D-0018-0000 04-07D-0019-0000 04-07D-0021-0000 04-07D-0060-0000 (formerly 04-07C-0004-0000) 04-07D-0061-0000 (formerly 04-07C-0003-0000)	Q100317000 Q100561000 Q100985000 Q100612000	GLADYS HAYS, WIDOW; LOVANT HAYS AND RAMONA HAYS, HIS WIFE; AND DAVID HAYS AND ELNORA HAYS, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	233	270
				JULIET P. BUTCHER AND WILLIAM E. BUTCHER, HER HUSBAND; AND ALTHEA J. RANDOLPH, WIDOW	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	233	458
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				OLGA M. SMITH, WIDOW; RUTH MARY SMITH, SINGLE; AUBREY E. SMITH AND SHELBA J. SMITH, HIS WIFE; EARL H. SMITH AND GERALDINE SMITH, HIS WIFE, ILENE KEITH AND JOHN M. KEITH, HER HUSBAND; AND WILLARD F. SMITH AND FRED A. SMITH, HIS WIFE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	300	116
				MARY E. CLARK AND MASON D. CLARK, HER HUSBAND	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	341	264
				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				

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34	FK062268	03-007C-0016-0000	Q100938000	CHARLES F. BAILEY AND MARY JANE BAILEY, HIS WIFE; AND DAYTON D. REXROAD AND ROXIE E. REXROAD, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	212	308				
				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	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	736	220				
1		04-007D-0013-0000 04-007D-0004-0000	CNX052827	NANCY E. HAYS, GUARDIAN OF JULIET P. HAYS, INFANT DAUGHTER OF DAVID J. HAYS, DECEASED	RESERVE GAS COMPANY	NOT LESS THAN 1/8	52	217				
				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.	CONSOL ENERGY HOLDINGS, LLC, XVI	ASSIGNMENT	651	318				
				CONSOL ENERGY HOLDINGS XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	WVSOS					
				CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS					
				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				
				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				

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				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	628
				BNG, INC	STONEWALL GAS COMPANY	ASSIGNMENT	522	341
				STONEWALL 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
				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
				TAWANA BUTCHER AND BURTON B. BUTCHER, HER HUSBAND, THOMAS M. BUTCHER, SINGLE, AND BARBARA E. BUTCHER, SINGLE	SCOTT OIL COMPANY	NOT LESS THAN 1/8	459	541
				PATRICIA T. GARTON	SCOTT OIL COMPANY	NOT LESS THAN 1/8	459	543
				ELIZABETH MAXWELL, WIDOW	SCOTT OIL COMPANY	NOT LESS THAN 1/8	460	311
				SCOTT OIL COMPANY	DOMINION ENERGY, INC.	ASSIGNMENT	468	592
				DOMINION ENERGY, INC.	Dominion Reserves, Inc.		472	281
				Dominion Reserves, Inc.	CONSOL Gas Reserves Inc.	NAME CHANGE	WVSOS	
				CONSOL Gas Reserves Inc.	CONSOL Gas Company	MERGER/NAME CHANGE	WVSOS	
				CONSOL Gas Company	CNX Gas Company LLC	MERGER/NAME CHANGE	WVSOS	
				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
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 04-007E-0026-0000 04-007E-0067-0000 04-007E-0068-0000	CNX052705					
58.1		04-007D-0006-0001 04-007D-0008-0000 p/o 04-007D-0009-0001 04-007D-0009-0002	DAD37315001 DAD37315002 DAD37315003					

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