



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

Thursday, September 3, 2020
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD
PARKERSBURG, WV 26101

Re: Permit Modification Approval for NEEL 1207 S-12H
47-033-05977-00-00

Lateral Extension

HG ENERGY II APPALACHIA, LLC

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

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

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin
Chief

Operator's Well Number: NEEL 1207 S-12H
Farm Name: HG ENERGY II APPALACHIA, LLC
U.S. WELL NUMBER: 47-033-05977-00-00
Horizontal 6A New Drill
Date Modification Issued: September 3, 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, LLC 494519932 Harrison Union West Milford 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Neel 1207 S-12H Well Pad Name: Neel 1207

3) Farm Name/Surface Owner: HG Energy II Appalachia, LLC Public Road Access: Hidden Valley Rd @ SR 19

4) Elevation, current ground: 1354' Elevation, proposed post-construction: 1344'

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

Other _____

(b) If Gas Shallow Deep _____

Horizontal _____

6) Existing Pad: Yes or No No

SOW
8/27/2020

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 7076'/7158' and 82' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7145'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 23,061'

11) Proposed Horizontal Leg Length: 14,880'

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12) Approximate Fresh Water Strata Depths: 135', 245', 425', 630', 731'

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13) Method to Determine Fresh Water Depths: Nearest offset well data

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14) Approximate Saltwater Depths: 1782', 1848'

15) Approximate Coal Seam Depths: 290, 340, 592, 1004' to 1009'

16) Approximate Depth to Possible Void (coal mine, karst, other): None

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No

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

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	1100'	1100'	40% excess yield = 1.20, CTS
Intermediate 1	13 3/8"	NEW	J-55	68	2200'	2200'	40% excess yield = 1.20, CTS
Intermediate 2	9 5/8"	NEW	J-55	40	3000'	3000'	40% excess yield Lead/ 0% Excess Tail
Production	5 1/2"	NEW	P-110	23	23061'	23061'	20% excess yield = 1.19, tail yield = 1.19
Tubing							
Liners							

S De
8/27/2020

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"	24"	.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 = 1.19, tail yield = 1.19
Tubing							
Liners							

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PACKERS

Kind:				
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 7145 feet. Drill horizontal leg to estimated 14,880' lateral length, 23,061' 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): 28.278 acres

22) Area to be disturbed for well pad only, less access road (acres): 12.715 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 ECP 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 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:

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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.



**1207 S-12H
Marcellus Shale Horizontal
Harrison County, WV**

Ground Elevation			1207 S-12H SHL					14218319.84N 1809863.3E		
Azm			1207 S-12H LP					14218767.02N 1812071.83E		
WELLBORE DIAGRAM			1207 S-12H BHL					14204807.8N 1817208.46E		
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
	24"	20" 94# J-55	Fresh Water	0	135, 637, 731	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
			Coal	1004	1009					
			Surface / FW	0	1100					
	17.5"	13-3/8" 68# J-55 BTC	Little/Big Lime	1552 / 1594	1564 / 1644	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)	1652 / 1982	1762 / 2052					
			Intermediate 1	0	2200					
	12.25"	9-5/8" 40# J-55 BTC	Fifty / Thirty Foot	2091 / 2182	2151 / 2192	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	2218 / 2278	2278 / 2465					
			5th Sand	2525	2537					
			Bayard / Warren	2591 / 2891	2601 / 2931					
	8.5" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3211	3231	9.0ppg SOBM	Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess Lead Yield=1.19 Tail Yield=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note: Actual centralizer schedules may be changed due to hole conditions
Balltown			3438	3448						
Benson			4529	4544						
8.5" Curve	Rhinestreet		6390	6646	11.5ppg-12.5ppg SOBM					
	Cashaqua		6646	6746						
	Middlesex		6746	6778						
	West River		6778	6849						
	Burkett		6849	6859						
	Tully Limestone		6859	6967						
	Hamilton		6967	7076						
8.5" Lateral	Marcellus		7076	7158	11.5ppg-12.5ppg SOBM					
	TMD / TVD (Production)		23061	7145						
	Onondaga	7158								

LP @ 7145' TVD / 8181' MD

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

+/-14880' ft Lateral

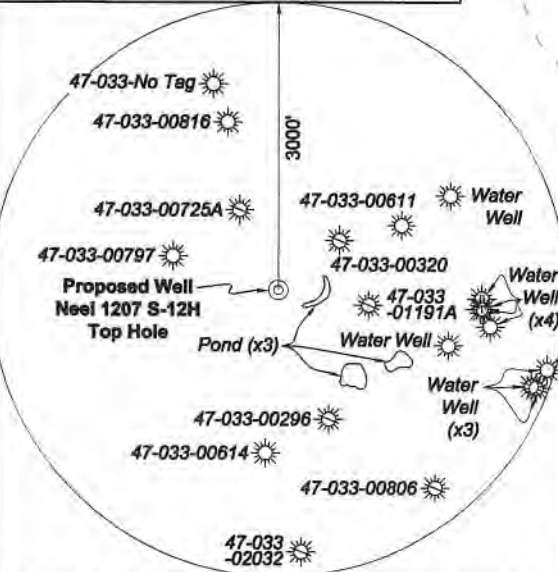
TD @ +/-7145' TVD
+/-23061' MD

X=centralizers

Notes:
Well No. Neel 1207 S-12H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,319.84'
E: 1,809,863.30'
Landing Point Coordinates
N: 14,218,767.02'
E: 1,812,071.83'
Bottom Hole Coordinates
N: 14,204,807.80'
E: 1,817,208.46'

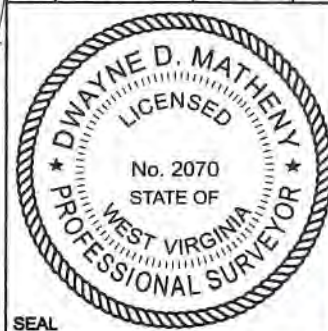


Notes: Well No. Neel 1207 S-12H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'04.86" Longitude: 80°24'08.88"
Bottom Hole coordinates Latitude: 39°06'50.77" Longitude: 80°22'36.79"
UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,752.555m E: 551,647.437m
Bottom Hole Coordinates N: 4,329,634.077m E: 553,886.246m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



Note: 1 water well and 3 ponds 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.

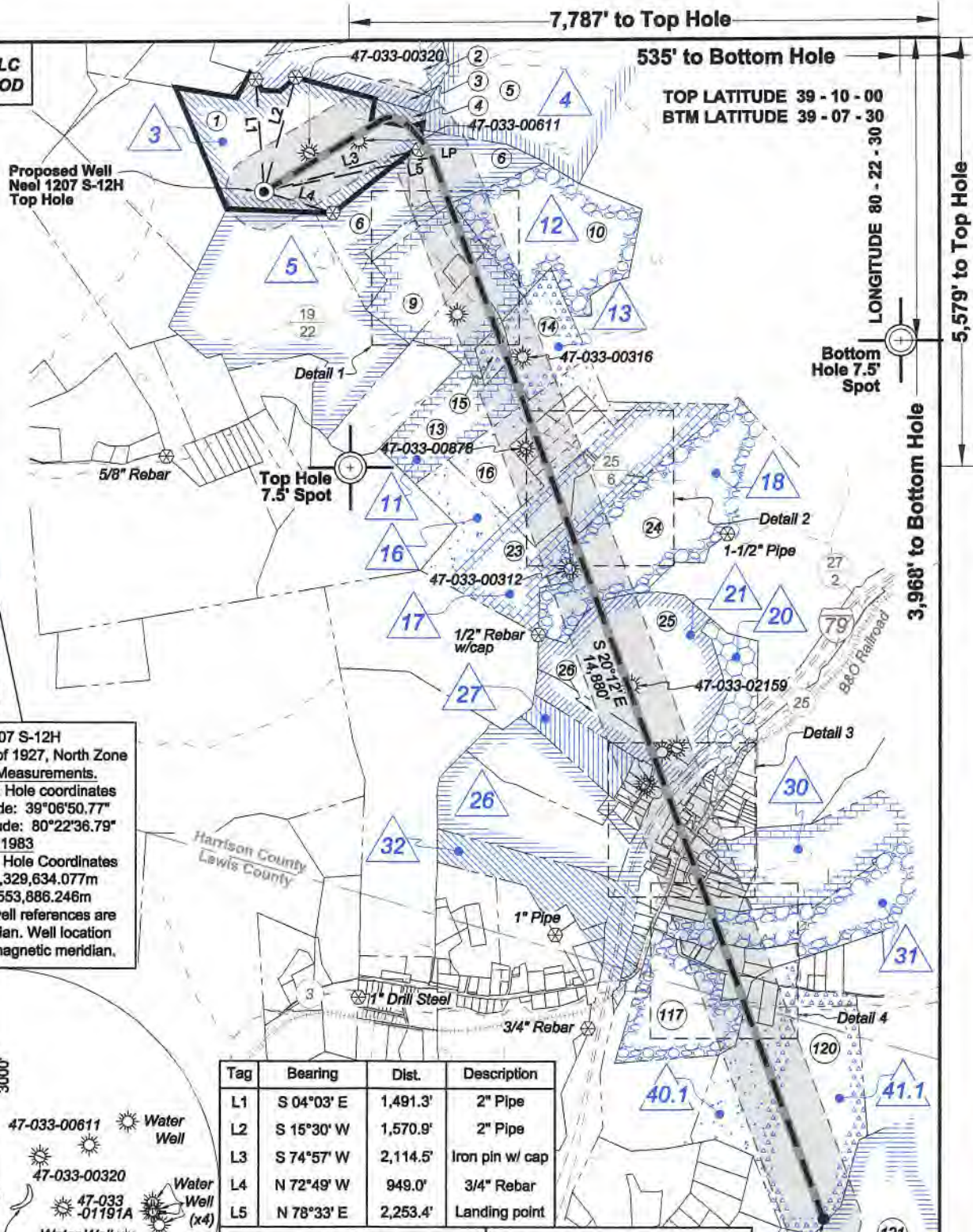
Tag	Bearing	Dist.	Description
L1	S 04°03' E	1,491.3'	2" Pipe
L2	S 15°30' W	1,570.9'	2" Pipe
L3	S 74°57' W	2,114.5'	Iron pin w/ cap
L4	N 72°49' W	949.0'	3/4" Rebar
L5	N 78°33' E	2,253.4'	Landing point



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

Neel 1207 S-12H Bottom Hole
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AUG 31 2020
WV Department of Environmental Protection



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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

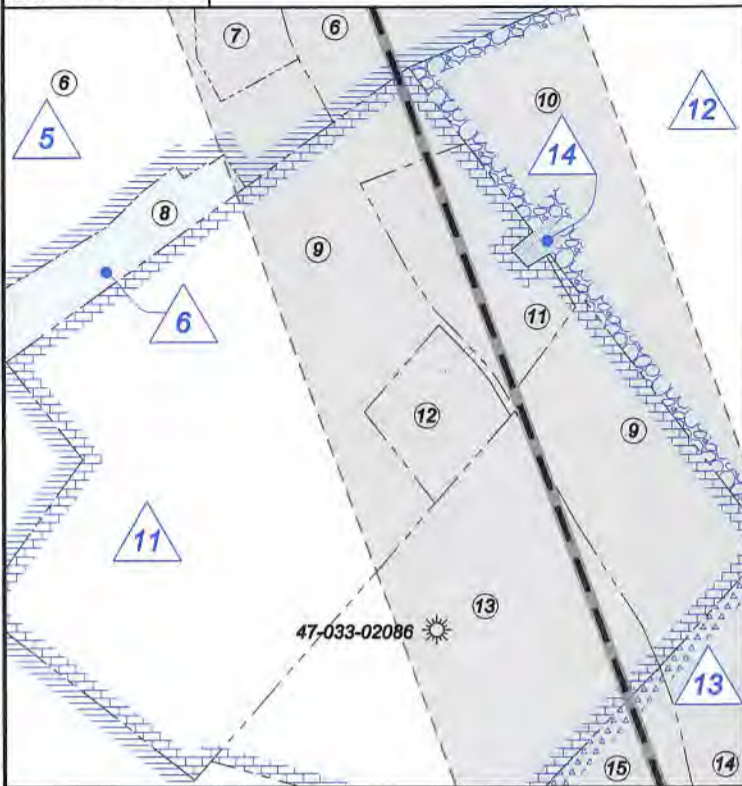
DATE: August 21 2020
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant QUADRANGLE: Top: West Milford Btm: Weston
SURFACE OWNER: Hubert E. & Sandra K. Neel COUNTY: Harrison
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 89.07
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD

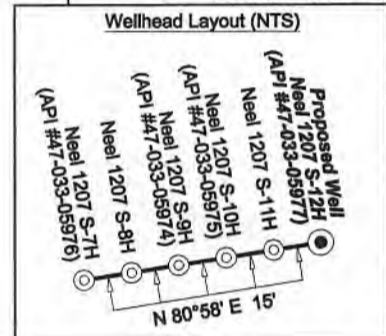
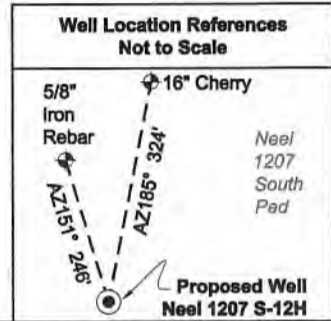
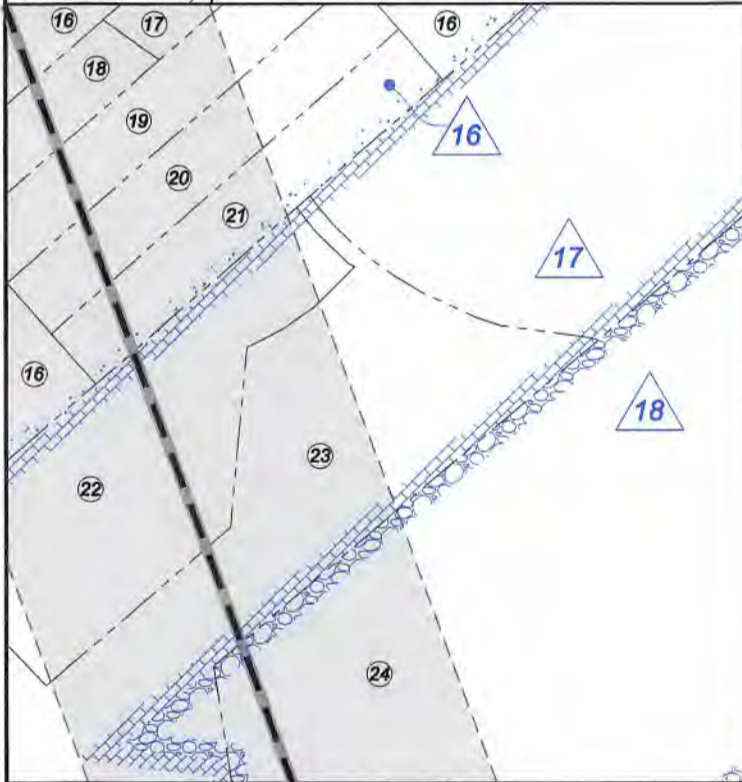
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



Detail 1 - 1" = 500'



Detail 2 - 1" = 500'



Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- County Line
- Railroad
- Interstate
- County Routes

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FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 — 033 — 05977
STATE COUNTY PERMIT

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

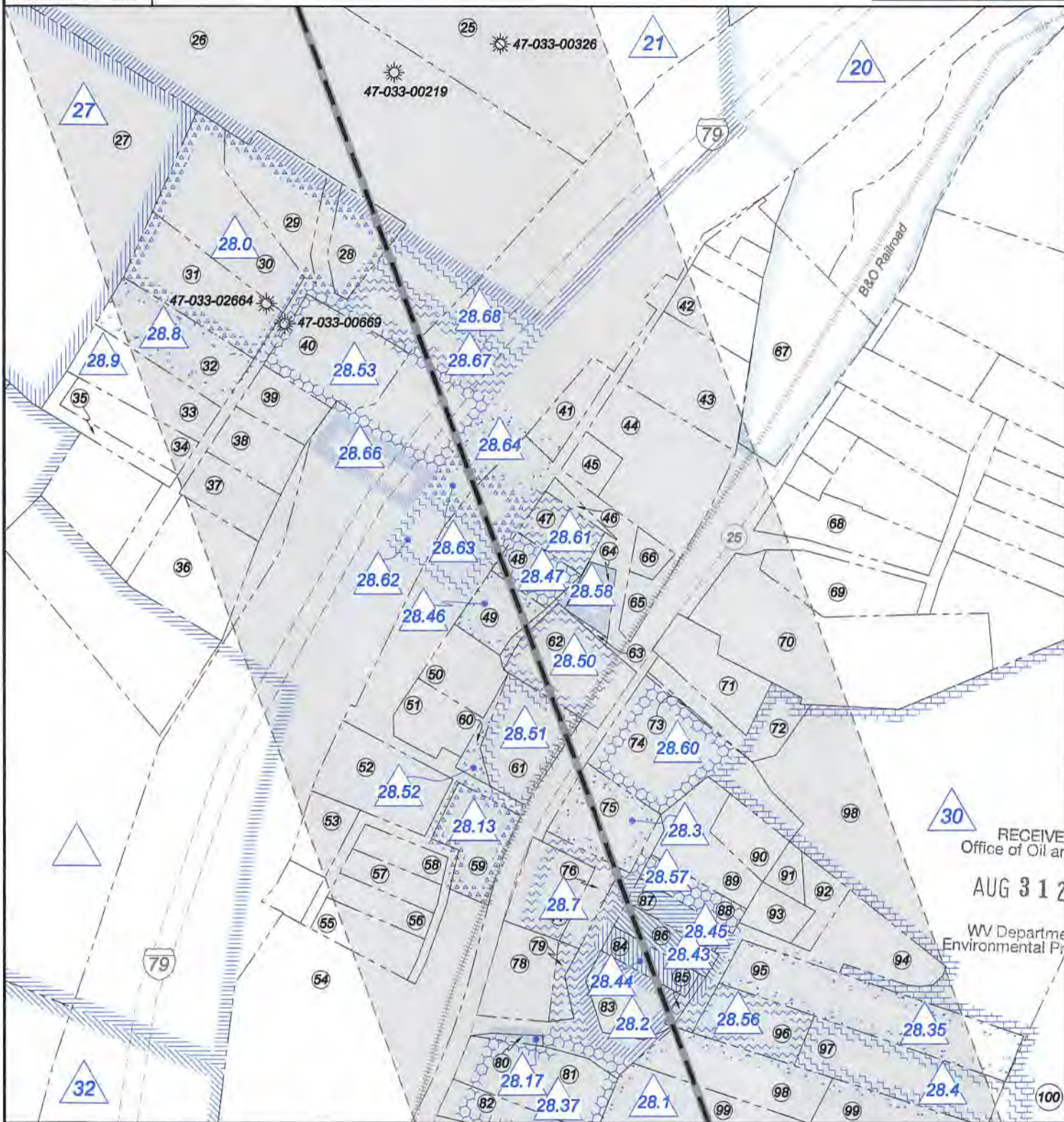
LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: Top: West Milford
Dist: Grant Bottom: Weston
COUNTY: Harrison
SURFACE OWNER: Hubert E. & Sandra K. Neel ACREAGE: 89.07
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: _____ ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,081' 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 3 - 1" = 250'



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AUG 31 2020
WV Department of
Environmental Protection

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PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: West Milford
Btm: Weston

DISTRICT: Grant

COUNTY: Harrison

SURFACE OWNER: Hubert E. & Sandra K. Neel

ACREAGE: 89.07

ROYALTY OWNER: Dora B. McWhorter, et al, et al

LEASE NO: ACREAGE: 103.00

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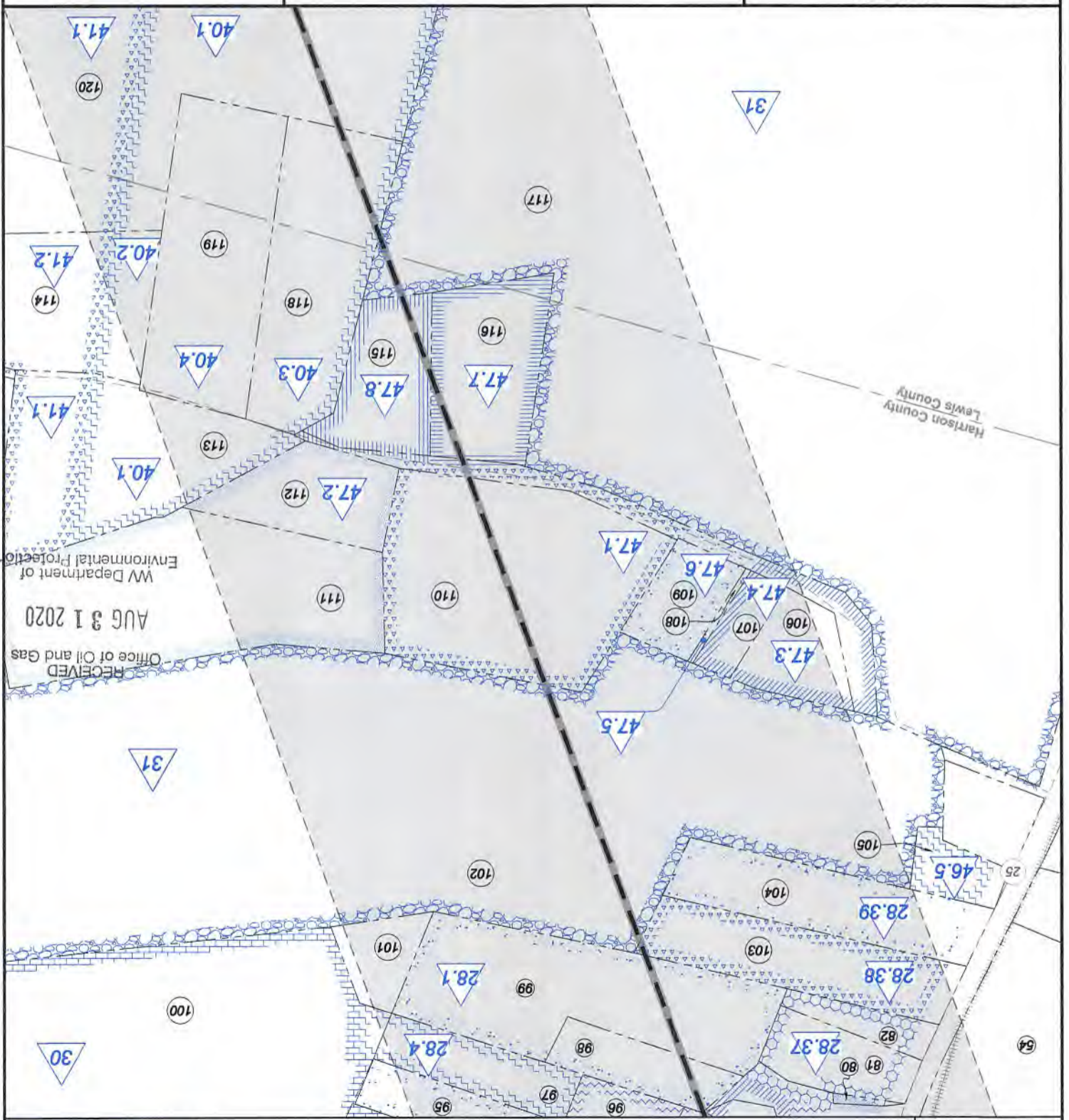
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD

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



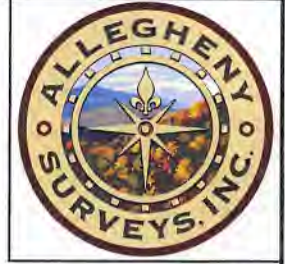
Detail 4 - 1" = 250'



DATE: August 21 20 20 OPERATORS WELL NO. Neal 1207 S-12H API WELL NO	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	FILE NO: 296-36-G-18 DRAWING NO: Neal 1207 S-12H Well Plat SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION: CORN, Bridgeport, WV
STATE 47 COUNTY 033 PERMIT 05977		

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
 Top: West Milford QUADRANGLE: Btm: Weston
 DISTRICT: Grant SURFACE OWNER: Hubert E. & Sandra K. Neel
 ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00
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 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



ID	Lease
N5	A.C. Thrash
3	Dora B. McWhorter, et al
4	Dominion Energy Transmission, Inc.
5	United National Bank Trustee of Gore Morris
6	Martha E. Lambert
11	William L. Horner, et al
12	C.E. Hickman, et al
13	Thomas R. Horner, et al
16	Robert F. Martin, et al
17	Robert F. Martin, et al
18	Ethel J. Ward, et al
20	Nathan McWhorter, et al
21	Nathan McWhorter, et al
27	Nelia J. Fitzpatrick, et al
28.0	Dominion Energy Transmission, Inc., et al
28.1	Michael G. Davisson, et al
28.2	Carol L. & Brian J. May
28.3	Jack K. & Debra J. Miller
28.4	James Kuroski, et al
28.7	Wanda Loretta Murphy, et al
28.8	Tim Eagle, et al
28.9	Tim Eagle, et al
28.17	Jonathan R. Schafferman & Andrea M. Reed
28.35	James Kuroski, et al
28.37	Gary W. Kuroski, et al
28.38	Trustees of WV Wesleyan College, et al
28.39	Mike Ross, Inc., et al
28.43	Jonathan R. Schafferman & Andrea M. Reed
28.44	Lonnie F. Lamb
28.45	Jonathan R. Schafferman & Andrea M. Reed
28.46	John C. Forquer, Jr., et ux
28.47	Beverly J. Coffindaffer, et al

ID	Lease
28.50	Tim Eagle, et al
28.51	Gary Batten
28.52	Gary Batten
28.53	Dominion Energy Transmission, Inc., et al
28.56	Josh Nay, et al
28.57	Priscilla Anne Coffman, et al
28.58	Anthony D. Snider, et al
28.60	William W. Wright, et al
28.61	Kenneth D. & Debra D. Jarrett
28.62	Barbara Jean Maidens, et al
28.63	Jannie L. Wagoner Forquer, et al
28.64	Sandra K. Swiger Taylor, et al
28.66	Phyllis R. Ellis, et al
28.67	Willard A. Lyall, et al
28.68	Tina G. Davisson, et al
30	Howard J. Reed
31	Frank N. Wine, Jr., et al
40.1	Charles Anthony Coffindaffer, et al
40.2	Charles Anthony Coffindaffer, et al
40.3	Charles Anthony Coffindaffer, et al
40.4	Charles Anthony Coffindaffer, et al
41.1	Myrtle Edmonds, et al
41.2	Myrtle Edmonds, et al
43	Margaret Howell, et vir
47.1	James L. & Lesa D. Hines
47.2	Ronald D. Coffindaffer, II
47.3	Van J. & Karen S. Groves, JTWROS
47.4	Van J. & Karen S. Groves, JTWROS
47.5	Ryan Eugene Riffle
47.6	Ryan Eugene Riffle
47.7	Theodore J. Perline
47.8	Michael R. & JoAnn Bowman

RECEIVED
Office of Oil and Gas

AUG 31 2020

WV Department of
Environmental Protection

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

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

DATE: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 — 033 — 05977
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: West Milford
Btm: Weston

DISTRICT: Grant

COUNTY: Harrison

SURFACE OWNER: Hubert E. & Sandra K. Neel

ACREAGE: 89.07

ROYALTY OWNER: Dora B. McWhorter, et al, et al

LEASE NO: _____ ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD 7,145' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101



RECEIVED
Office of Oil and Gas

AUG 31 2020

WV Department of
Environmental Protection

Harrison Co. - Union-Outside Dist.			
No.	TM / Par	Owner	Bk / Pg Ac.
1	445 / 5	Hubert E. & Sandra K. Neel	1541 / 1153 89.07
2	425 / 30.1	James W. & Susan A. Freeman	1139 / 386 30.00
3	445 / 7	Anthony D. Snider	1350 / 818 8.00
4	445 / 5.1	David W. Lohr	1531 / 421 3.38
5	426 / 71	Antonio P., LLC	1503 / 291 233.35
6	445 / 13.1	Martha E. Lambert	--- / --- 26.77
7	445 / 13.2	Diana & James W. Lambert	1598 / 1239 4.54
8	445 / 14	Martha E. Lambert	1276 / 582 2.61
9	445 / 15.1	Martha E. Lambert	1276 / 582 35.00
10	446 / 16	Antonio P., LLC & Mike Ross, Inc.	--- / --- 68.85
11	445 / 15.2	Benjamin & Andrea Hall	1475 / 573 4.03
12	445 / 15.3	Maureen & Ferguson Calder	1502 / 722 2.08
13	445 / 15	Margaret S. Fisher	1276 / 576 49.69
14	446 / 17	Judith H. & David J. Savage	1161 / 11 24.92
15	445 / 29	Judith H. & David J. Savage	1161 / 11 5.00
16	446 / 30	Charles R. Sutton	1535 / 207 29.00
17	446 / 30.4	Brian Reed	1428 / 1334 2.18
18	446 / 30.5	Joseph & Stephine Richards	1588 / 679 2.66
19	446 / 30.3	Sylvia Horner Krang	1138 / 28 4.83
20	446 / 30.2	Mike Ross Inc.	1561 / 805 4.83
21	446 / 30.1	Sidney Horner	1138 / 28 4.83
22	446 / 31.2	Bryan M. Gibson	1526 / 679 11.91
23	446 / 31	Richard L. Hawkins, Jr.	1569 / 982 58.96
24	446 / 39.1	Charles & Frank Sutton	1401 / 913 47.40
25	466 / 5	Mary Reel	1244 / 948 75.48
26	466 / 4	Mary Reel	1244 / 948 10.70
27	466 / 2	Worthey E. & Connie S. Poe	1240 / 388 16.70
28	466 / 3.1	Page D. Layfield	1123 / 491 0.37
29	466 / 3.2	Gregory A. Wilit	1081 / 112 0.61
30	466 / 3.4	Dominion Transmission, Inc.	A158 / 362 0.65
31	466 / 3.3	Dominion Transmission, Inc.	A158 / 362 0.76
32	2004 / 35	Helen Dawn Warner	W141 / 55 0.60
33	2004 / 46	Helen Dawn Warner	W141 / 55 0.61
34	2004 / 54	Stephen R. Riddle, Jr.	1540 / 231 0.37
35	2004 / 53	Stephen R. Riddle, Jr.	1540 / 231 0.25
36	2004 / 63	Katrina D. Ewing	1390 / 744 0.80
37	2004 / 57	Amber M. Butler	1505 / 196 0.29
38	2004 / 56	Ronald L. & Linda K. Brown	1364 / 462 0.34
39	2004 / 47	Helen Dawn Warner	W141 / 55 0.30
40	2004 / 37	Larry L. Jarrett, et al	1501 / 1343 0.64
41	2004 / 26	Dolores J. Balzano, et al	1584 / 540 0.19
42	2004 / 10	Trecia D. Hyde	1484 / 919 0.17
43	2004 / 16	Glenda Ericson, et al	1522 / 1072 0.77
44	2004 / 28	Dolores J. Balzano, et al	1584 / 540 1.08
45	2004 / 27	Dolores J. Balzano, et al	1584 / 540 0.16
46	2004 / 41	Kenneth D. & Debra D. Jarrett	1180 / 332 1 Lot
47	2004 / 40	Kenneth D. & Debra D. Jarrett	1180 / 332 0.30
48	2004 / 50	Beverly J. Coffindaffer	1447 / 84 0.26
49	2004 / 60	Jannie Lynn Wagoner	1432 / 1081 0.29
50	2004 / 70	Carl F. McHenry	1380 / 73 0.36
51	2004 / 69	Drema Wiley	1583 / 1302 0.36
52	2004 / 82	Sheila Virden	1563 / 702 0.62
53	2004 / 102	Deborah E. Snyder Jeffries	W183 / 1295 0.25
54	466 / 21	Dominion Transmission, Inc.	1367 / 359 2.43
55	2004 / 90	Deborah E. Riffle	W183 / 1295 0.35
56	2004 / 91	Deborah E. Snyder Jeffries	W183 / 1295 0.22
57	2004 / 92	Deborah E. Snyder Jeffries	W183 / 1295 0.21
58	2004 / 93	Deborah E. Snyder Jeffries	W183 / 1295 0.19
59	2004 / 83	Ralph E. Miller	1042 / 329 0.38
60	2004 / 71	Gary Batten	1396 / 332 0.09
61	2004 / 72	Gary Batten	1396 / 332 0.57
62	2004 / 61	Zachary & Katelyn Martin	1542 / 938 0.59
63	2004 / 42.1	Zachary & Katelyn Martin	1542 / 938 0.01
64	2004 / 42	Anthony D. Snider	1257 / 116 0.18
65	2004 / 43	Anthony D. Snider	1351 / 285 0.27
66	2004 / 43.1	Dolores J. Balzano, et al	1584 / 540 0.10
67	2004 / 7	c/o Assessors Office	--- / --- 1.42
68	2004 / 30	James W. Mitchell	1394 / 411 0.64
69	2004 / 45	John D. & Marlene Bennett	888 / 483 0.53
70	2004 / 44	McWhorter M.E. Church	287 / 63 1.99

Harrison Co. - Union-Outside Dist.			
No.	TM / Par	Owner	Bk / Pg Ac.
71	2004 / 51	William W. Wright	1013 / 518 0.50
72	2004 / 52	William W. Wright	1013 / 518 0.36
73	2004 / 62.1	William W. Wright	W192 / 536 0.02
74	2004 / 62	William W. Wright	W192 / 536 1.05
75	2004 / 73	Jack & Debra J. Miller	1343 / 1222 0.50
76	2004 / 86	Ralph E. Miller	1042 / 329 0.38
77	2004 / 84	Ralph E. Miller	1042 / 329 0.38
78	2004 / 94	Van J. Groves, II	1429 / 632 0.46
79	2004 / 96	Van J. Groves, II	1429 / 632 0.01
80	2004 / 95	Jonathon R. Shafferman	1567 / 1238 0.02
81	466 / 24	Michael Davisson	1264 / 975 0.66
82	466 / 23	Michael Davisson	1301 / 1009 0.34
83	2004 / 97	Carol L. & Brian J. May	1338 / 190 0.39
84	2004 / 98	Lonnice F. Lamb	1581 / 800 0.20
85	2004 / 99	c/o Assessors Office	--- / --- 1 Lot
86	2004 / 87	Jonathon R. Shafferman	1567 / 1238 0.22
87	2004 / 86	Jonathon R. Shafferman	1567 / 1238 0.20
88	2004 / 74	Judith Ann Roberts	W191 / 744 0.22
89	2004 / 76	Christine M. Lynch	F111 / 194 0.50
90	2004 / 77	William W. Wright	W192 / 536 0.25
91	2004 / 78	William W. Wright	W192 / 536 0.12
92	2004 / 80	c/o Assessors Office	--- / --- 1 Lot
93	2004 / 79	William W. Wright	W192 / 536 0.19
94	2004 / 81	Barbara & David Miller	1474 / 1187 0.50
95	2004 / 88	Amanda & Rexanne Webb	1408 / 948 1.12
96	2004 / 100	Barbara E. Rowan	1265 / 1017 0.41
97	2004 / 100.1	Doran & Rexanne Webb	1316 / 1292 0.79
98	466 / 28	Michael G. & Tina G. Davisson	1301 / 1009 1.00
99	466 / 27	Mary Richards	W118 / 904 3.25
100	466 / 31	Frank N. Wine, Jr. & III	1596 / 809 16.14
101	466 / 29	Michael G. & Tina G. Davisson	1301 / 1009 0.46
102	466 / 52	Frank N. Wine, Jr. & III	1596 / 809 46.40
103	466 / 25	Deena Hyde	1350 / 453 1.50
104	466 / 26	Mike Ross Inc. and Waco Oil & Gas	1350 / 1019 1.50
105	466 / 43	Jordan's Land & Rentals, LLC	1586 / 590 0.25
106	466 / 46	Van & Karen S. Groves	1237 / 955 0.66
107	466 / 45	Van & Karen S. Groves	1237 / 955 0.50
108	466 / 48	Chad E. & Jennifer Metz	1334 / 744 0.05
109	466 / 47	Chad E. & Jennifer Metz	1334 / 744 0.50
110	466 / 49	James & Lisa D. Himes	1278 / 346 3.63
111	466 / 51	Ronald Coffindaffer	1535 / 112 3.86
112	466 / 50	Ronald Coffindaffer	1535 / 112 1.09
113	466 / 63	Ronald D. Coffindaffer, II, et al	1511 / 1100 2.20
114	466 / 66	Robert & Kristi Richards	1326 / 1237 4.98
115	466 / 62	Michael & Joann Bowman	1133 / 738 1.02
116	466 / 61	Theodore J. Perine	1211 / 990 1.51
117	466 / 60	Frank N. Wine, Jr. & III	1596 / 809 42.04
Lewis Co. - Freeman Creek Dist.			
No.	TM / Par	Owner	Bk / Pg Ac.
118	9C / 32.1	Leonard D. Drake, et ux	384 / 291 2.38
119	9C / 32.2	Michael Lowell Roberts, Jr.	529 / 319 2.54
120	9C / 38	Leonard D. Drake	480 / 264 106.15
121	9C / 27	S. Thomas & Esther M. Bond	577 / 328 225.25

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

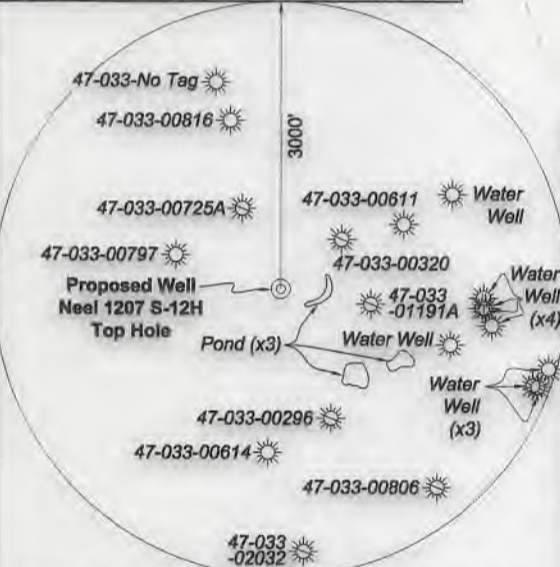
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: Top: West Milford
DISTRICT: Grant COUNTY: Harrison Btm: Weston
SURFACE OWNER: Hubert E. & Sandra K. Neel ACREAGE: 89.07
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' 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

Notes:
Well No. Neel 1207 S-12H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,319.84'
E: 1,809,863.30'
Landing Point Coordinates
N: 14,218,767.02'
E: 1,812,071.83'
Bottom Hole Coordinates
N: 14,204,807.80'
E: 1,817,208.46'

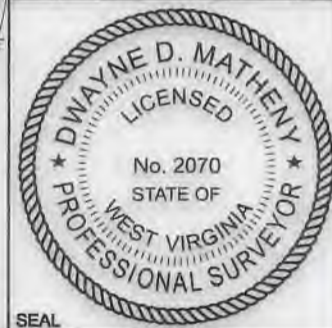


Notes: Well No. Neel 1207 S-12H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°09'04.86" Latitude: 39°06'50.77"
Longitude: 80°24'08.88" Longitude: 80°22'36.79"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,333,752.555m N: 4,329,634.077m
E: 551,647.437m E: 553,886.246m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.



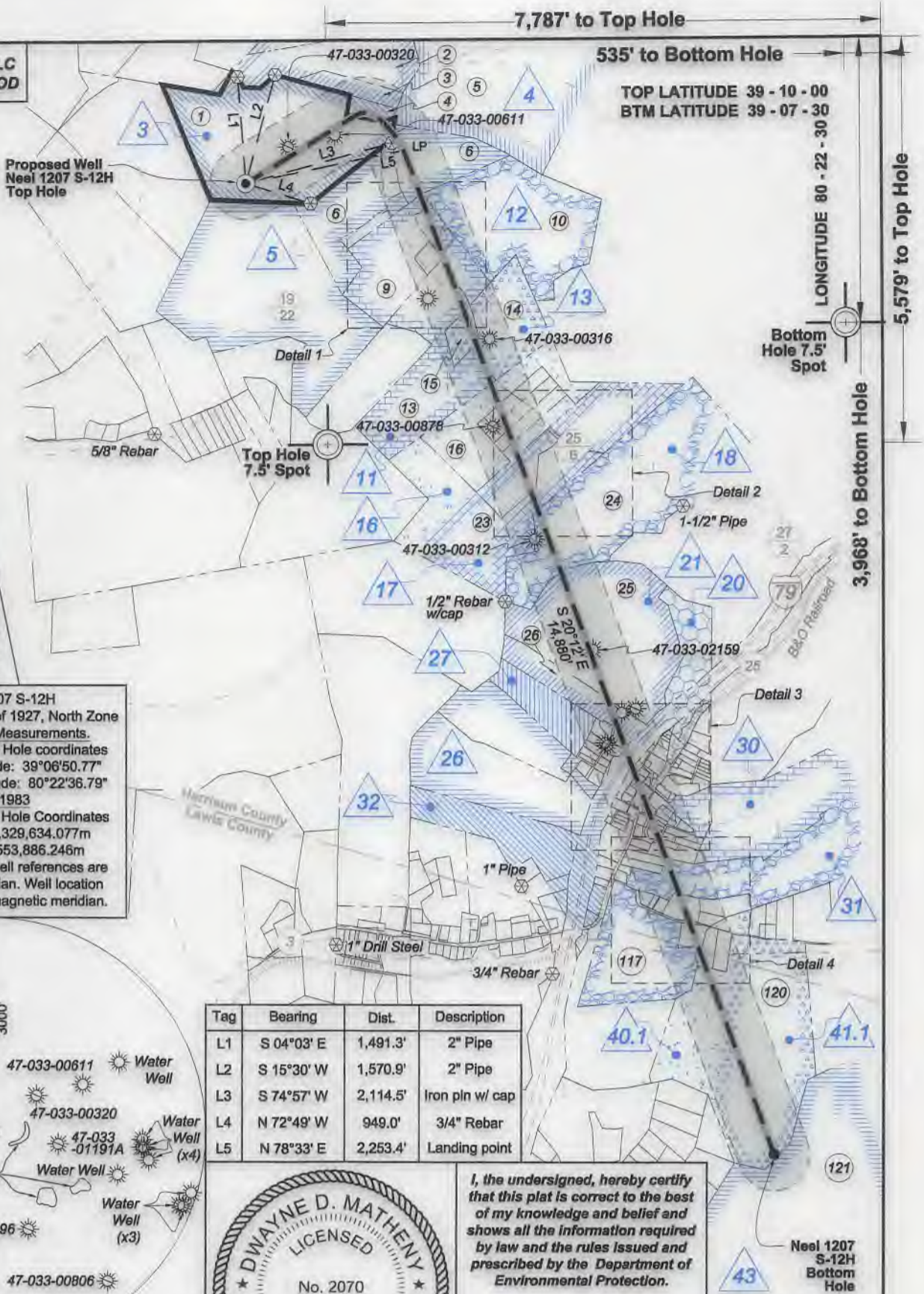
Note: 1 water well and 3 ponds were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Tag	Bearing	Dist.	Description
L1	S 04°03' E	1,491.3'	2" Pipe
L2	S 15°30' W	1,570.9'	2" Pipe
L3	S 74°57' W	2,114.5'	Iron pin w/ cap
L4	N 72°49' W	949.0'	3/4" Rebar
L5	N 78°33' E	2,253.4'	Landing point



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



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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

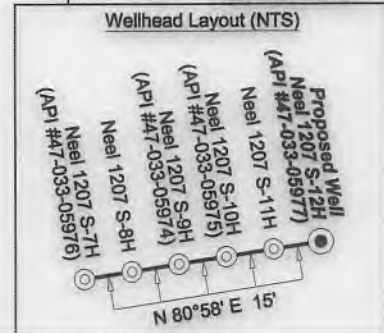
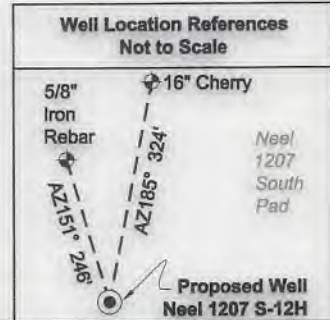
DATE: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant
SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD 7,145' TVD

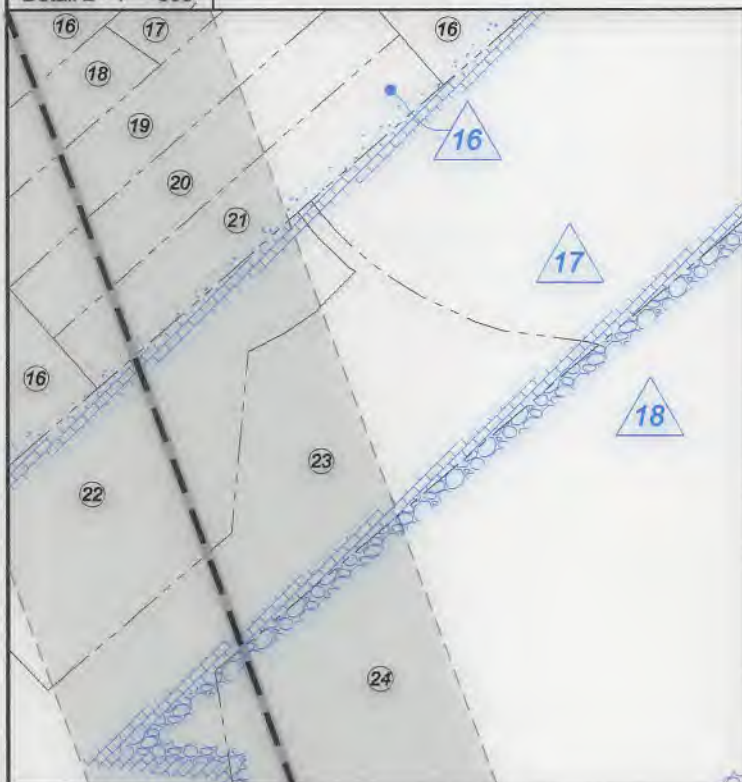
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



Detail 1 - 1" = 500'



Detail 2 - 1" = 500'



Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- County Line
- Railroad
- Interstate
- County Routes

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant

Top: West Milford
Btm: Weston
QUADRANGLE:
COUNTY: Harrison
ACREAGE: 89.07

SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, et al

LEASE NO: ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH

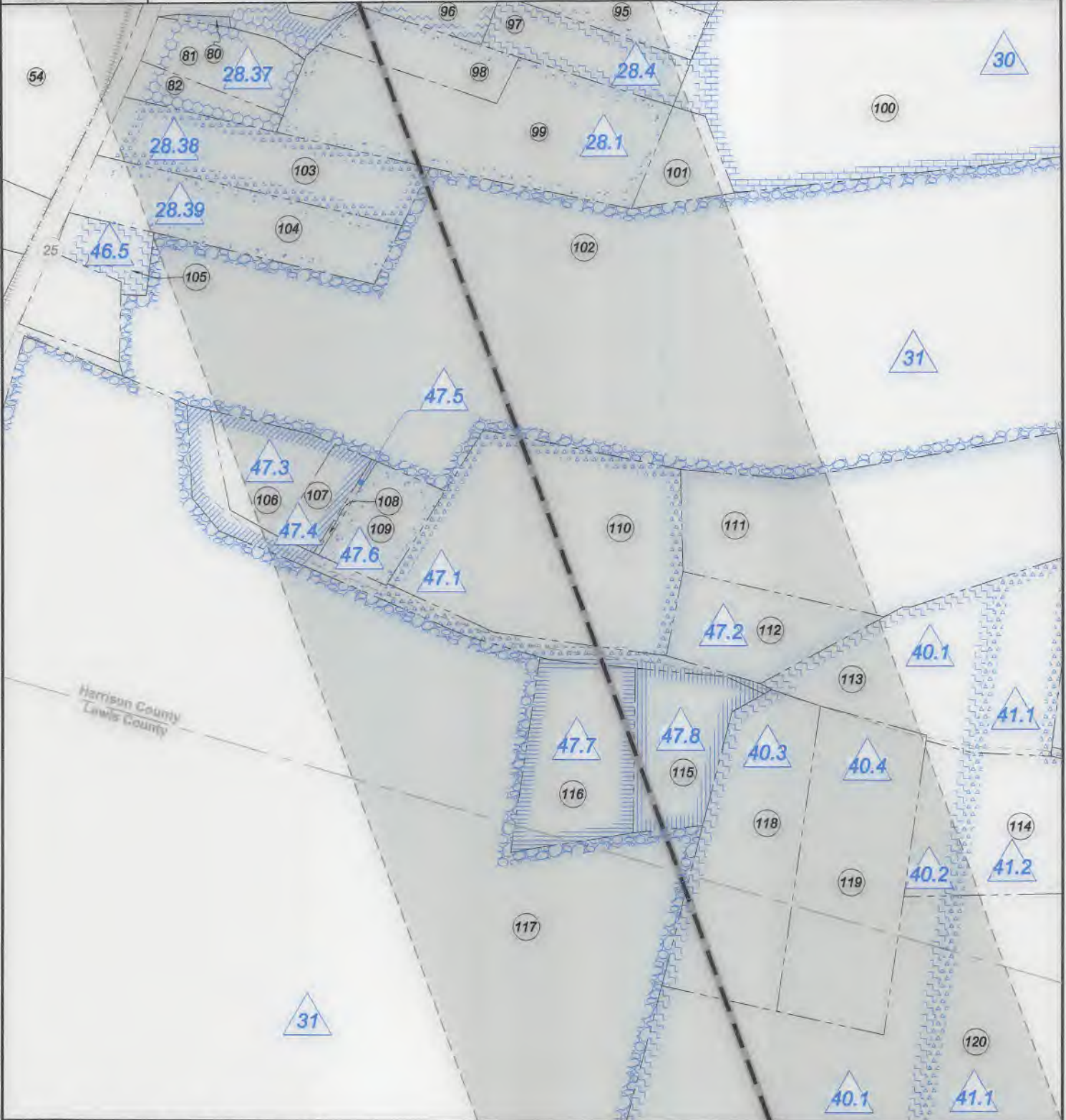
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,145' TVD 23,061' MD

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 4 - 1" = 250'



FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant

Top: West Milford
Bottom: Weston
QUADRANGLE: Weston
COUNTY: Harrison
ACREAGE: 89.07

SURFACE OWNER: Hubert E. & Sandra K. Neel

ROYALTY OWNER: Dora B. McWhorter, et al, et al

LEASE NO: _____ ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD 7,145' TVD

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



ID	Lease
N5	A.C. Thrash
3	Dora B. McWhorter, et al
4	Dominion Energy Transmission, Inc.
5	United National Bank Trustee of Gore Morris
6	Martha E. Lambert
11	William L. Homer, et al
12	C.E. Hickman, et al
13	Thomas R. Homer, et al
16	Robert F. Martin, et al
17	Robert F. Martin, et al
18	Ethel J. Ward, et al
20	Nathan McWhorter, et al
21	Nathan McWhorter, et al
27	Nelia J. Fitzpatrick, et al
28.0	Dominion Energy Transmission, Inc., et al
28.1	Michael G. Davisson, et al
28.2	Carol L. & Brian J. May
28.3	Jack K. & Debra J. Miller
28.4	James Kuroski, et al
28.7	Wanda Loretta Murphy, et al
28.8	Tim Eagle, et al
28.9	Tim Eagle, et al
28.17	Jonathan R. Schafferman & Andrea M. Reed
28.35	James Kuroski, et al
28.37	Gary W. Kuroski, et al
28.38	Trustees of WV Wesleyan College, et al
28.39	Mike Ross, Inc., et al
28.43	Jonathan R. Schafferman & Andrea M. Reed
28.44	Lonnie F. Lamb
28.45	Jonathan R. Schafferman & Andrea M. Reed
28.46	John C. Forquer, Jr., et ux
28.47	Beverly J. Coffindaffer, et al

ID	Lease
28.50	Tim Eagle, et al
28.51	Gary Batten
28.52	Gary Batten
28.53	Dominion Energy Transmission, Inc., et al
28.56	Josh Nay, et al
28.57	Priscilla Anne Coffman, et al
28.58	Anthony D. Snider, et al
28.60	William W. Wright, et al
28.61	Kenneth D. & Debra D. Jarrett
28.62	Barbara Jean Maidens, et al
28.63	Jannie L. Wagoner Forquer, et al
28.64	Sandra K. Swiger Taylor, et al
28.66	Phyllis R. Ellis, et al
28.67	Willard A. Lyall, et al
28.68	Tina G. Davisson, et al
30	Howard J. Reed
31	Frank N. Wine, Jr., et al
40.1	Charles Anthony Coffindaffer, et al
40.2	Charles Anthony Coffindaffer, et al
40.3	Charles Anthony Coffindaffer, et al
40.4	Charles Anthony Coffindaffer, et al
41.1	Myrtle Edmonds, et al
41.2	Myrtle Edmonds, et al
43	Margaret Howell, et vir
47.1	James L. & Lesa D. Hines
47.2	Ronald D. Coffindaffer, II
47.3	Van J. & Karen S. Groves, JTWROS
47.4	Van J. & Karen S. Groves, JTWROS
47.5	Ryan Eugene Riffe
47.6	Ryan Eugene Riffe
47.7	Theodore J. Perine
47.8	Michael R. & JoAnn Bowman

FILE NO: <u>296-36-G-18</u> DRAWING NO: <u>Neel 1207 S-12H Well Plat</u> SCALE: <u>1" = 2000'</u> MINIMUM DEGREE OF ACCURACY: <u>Submeter</u> PROVEN SOURCE OF ELEVATION: <u>CORS, Bridgeport, WV</u>	STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE: <u>August 21</u> 20 <u>20</u> OPERATOR'S WELL NO. <u>Neel 1207 S-12H</u> API WELL NO <u>47</u> - <u>033</u> - <u>05977</u> STATE COUNTY PERMIT
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WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek QUADRANGLE: Top: West Milford
Bottom: Weston
 DISTRICT: Grant COUNTY: Harrison
 SURFACE OWNER: Hubert E. & Sandra K. Neel ACREAGE: 89.07
 ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: _____ ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD

WELL OPERATOR: <u>HG Energy II Appalachia, LLC</u> ADDRESS: <u>5260 Dupont Road</u> <u>Parkersburg, WV 26101</u>	DESIGNATED AGENT: <u>Diane C. White</u> ADDRESS: <u>5260 Dupont Road</u> <u>Parkersburg, WV 26101</u>
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Harrison Co. - Union-Outside Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	Hubert E. & Sandra K. Neel	1541 / 1153	89.07
2	425 / 30.1	James W. & Susan A. Freeman	1139 / 386	30.00
3	445 / 7	Anthony D. Snider	1350 / 818	8.00
4	445 / 5.1	David W. Lohr	1531 / 421	3.38
5	426 / 71	Antonio P., LLC	1503 / 291	233.35
6	445 / 13.1	Martha E. Lambert	---/---	26.77
7	445 / 13.2	Diana & James W. Lambert	1598 / 1239	4.54
8	445 / 14	Martha E. Lambert	1276 / 582	2.61
9	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
10	446 / 16	Antonio P., LLC & Mike Ross, Inc.	---/---	68.85
11	445 / 15.2	Benjamin & Andrea Hall	1475 / 573	4.03
12	445 / 15.3	Maureen & Ferguson Calder	1502 / 722	2.08
13	445 / 15	Margaret S. Fisher	1276 / 576	49.69
14	446 / 17	Judith H. & David J. Savage	1161 / 11	24.92
15	445 / 29	Judith H. & David J. Savage	1161 / 11	5.00
16	446 / 30	Charles R. Sutton	1535 / 207	29.00
17	446 / 30.4	Brian Reed	1428 / 1334	2.18
18	446 / 30.5	Joseph & Stephine Richards	1588 / 679	2.66
19	446 / 30.3	Sylvia Homer Krang	1138 / 26	4.83
20	446 / 30.2	Mike Ross Inc.	1561 / 805	4.83
21	446 / 30.1	Sidney Homer	1138 / 26	4.83
22	446 / 31.2	Brycen M. Gibson	1526 / 679	11.91
23	446 / 31	Richard L. Hawkins, Jr.	1569 / 982	58.96
24	446 / 39.1	Charles & Frank Sutton	1401 / 913	47.40
25	466 / 5	Mary Reel	1244 / 948	75.48
26	466 / 4	Mary Reel	1244 / 948	10.70
27	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
28	466 / 3.1	Page D. Layfield	1123 / 491	0.37
29	466 / 3.2	Gregory A. Wilt	1081 / 112	0.61
30	466 / 3.4	Dominion Transmission, Inc.	A158 / 362	0.65
31	466 / 3.3	Dominion Transmission, Inc.	A158 / 362	0.76
32	2004 / 35	Helen Dawn Warner	W141 / 55	0.60
33	2004 / 46	Helen Dawn Warner	W141 / 55	0.61
34	2004 / 54	Stephen R. Riddle, Jr.	1540 / 231	0.37
35	2004 / 53	Stephen R. Riddle, Jr.	1540 / 231	0.25
36	2004 / 63	Katrina D. Ewing	1390 / 744	0.80
37	2004 / 57	Amber M. Butler	1505 / 196	0.29
38	2004 / 56	Ronald L. & Linda K. Brown	1364 / 462	0.34
39	2004 / 47	Helen Dawn Warner	W141 / 55	0.30
40	2004 / 37	Larry L. Jarrett, et al	1501 / 1343	0.64
41	2004 / 26	Dolores J. Balzano, et al	1584 / 540	0.19
42	2004 / 10	Treacia D. Hyde	1484 / 919	0.17
43	2004 / 16	Glenda Ericson, et al	1522 / 1072	0.77
44	2004 / 28	Dolores J. Balzano, et al	1584 / 540	1.08
45	2004 / 27	Dolores J. Balzano, et al	1584 / 540	0.16
46	2004 / 41	Kenneth D. & Debra D. Jarrett	1180 / 332	1 Lot
47	2004 / 40	Kenneth D. & Debra D. Jarrett	1180 / 332	0.30
48	2004 / 50	Beverly J. Coffindaffer	1447 / 84	0.26
49	2004 / 60	Jannie Lynn Wagoner	1432 / 1081	0.29
50	2004 / 70	Carl F. McHenry	1380 / 73	0.36
51	2004 / 69	Drema Wiley	1583 / 1302	0.36
52	2004 / 82	Sheila Virden	1563 / 702	0.62
53	2004 / 102	Deborah E. Snyder Jeffries	W183 / 1295	0.25
54	466 / 21	Dominion Transmission, Inc.	1367 / 359	2.43
55	2004 / 90	Deborah E. Riffe	W183 / 1295	0.35
56	2004 / 91	Deborah E. Snyder Jeffries	W183 / 1295	0.22
57	2004 / 92	Deborah E. Snyder Jeffries	W183 / 1295	0.21
58	2004 / 93	Deborah E. Snyder Jeffries	W183 / 1295	0.19
59	2004 / 83	Ralph E. Miller	1042 / 329	0.38
60	2004 / 71	Gary Batten	1396 / 332	0.09
61	2004 / 72	Gary Batten	1396 / 332	0.57
62	2004 / 61	Zachary & Katelyn Martin	1542 / 938	0.59
63	2004 / 42.1	Zachary & Katelyn Martin	1542 / 938	0.01
64	2004 / 42	Anthony D. Snider	1257 / 116	0.18
65	2004 / 43	Anthony D. Snider	1351 / 285	0.27
66	2004 / 43.1	Dolores J. Balzano, et al	1584 / 540	0.10
67	2004 / 7	c/o Assessors Office	---/---	1.42
68	2004 / 30	James W. Mitchell	1394 / 411	0.64
69	2004 / 45	John D. & Marlene Bennett	888 / 483	0.53
70	2004 / 44	McWhorter M.E. Church	287 / 63	1.99

Harrison Co. - Union-Outside Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
71	2004 / 51	William W. Wright	1013 / 518	0.50
72	2004 / 52	William W. Wright	1013 / 518	0.36
73	2004 / 62.1	William W. Wright	W192 / 536	0.02
74	2004 / 62	William W. Wright	W192 / 536	1.05
75	2004 / 73	Jack & Debra J. Miller	1343 / 1222	0.50
76	2004 / 86	Ralph E. Miller	1042 / 329	0.38
77	2004 / 84	Ralph E. Miller	1042 / 329	0.38
78	2004 / 94	Van J. Groves, II	1429 / 632	0.46
79	2004 / 96	Van J. Groves, II	1429 / 632	0.01
80	2004 / 95	Jonathon R. Shafferman	1567 / 1238	0.02
81	466 / 24	Michael Davisson	1264 / 975	0.66
82	466 / 23	Michael Davisson	1301 / 1009	0.34
83	2004 / 97	Carol L. & Brian J. May	1338 / 190	0.39
84	2004 / 98	Lonnie F. Lamb	1581 / 800	0.20
85	2004 / 99	c/o Assessors Office	---/---	1 Lot
86	2004 / 87	Jonathon R. Shafferman	1567 / 1238	0.22
87	2004 / 86	Jonathon R. Shafferman	1567 / 1238	0.20
88	2004 / 74	Judith Ann Roberts	W191 / 744	0.22
89	2004 / 76	Christine M. Lynch	F111 / 194	0.50
90	2004 / 77	William W. Wright	W192 / 536	0.25
91	2004 / 78	William W. Wright	W192 / 536	0.12
92	2004 / 80	c/o Assessors Office	---/---	1 Lot
93	2004 / 79	William W. Wright	W192 / 536	0.19
94	2004 / 81	Barbara & David Miller	1474 / 1187	0.50
95	2004 / 88	Amanda & REXANNE WEBB	1408 / 948	1.12
96	2004 / 100	Barbara E. Rowan	1265 / 1017	0.41
97	2004 / 100.1	Doran & REXANNE WEBB	1316 / 1292	0.79
98	466 / 28	Michael G. & Tina G. Davisson	1301 / 1009	1.00
99	466 / 27	Mary Richards	W118 / 904	3.25
100	466 / 31	Frank N. Wine, Jr. & III	1596 / 809	16.14
101	466 / 29	Michael G. & Tina G. Davisson	1301 / 1009	0.46
102	466 / 52	Frank N. Wine, Jr. & III	1596 / 809	46.40
103	466 / 25	Deena Hyde	1350 / 453	1.50
104	466 / 26	Mike Ross Inc. and Waco Oil & Gas	1350 / 1019	1.50
105	466 / 43	Jordan's Land & Rentals, LLC	1586 / 590	0.25
106	466 / 46	Van & Karen S. Groves	1237 / 955	0.66
107	466 / 45	Van & Karen S. Groves	1237 / 955	0.50
108	466 / 48	Chad E. & Jennifer Metz	1334 / 744	0.05
109	466 / 47	Chad E. & Jennifer Metz	1334 / 744	0.50
110	466 / 49	James & Lisa D. Himes	1278 / 346	3.63
111	466 / 51	Ronald Coffindaffer	1535 / 112	3.86
112	466 / 50	Ronald Coffindaffer	1535 / 112	1.09
113	466 / 63	Ronald D. Coffindaffer, II, et al	1511 / 1100	2.20
114	466 / 68	Robert & Kristi Richards	1326 / 1237	4.98
115	466 / 62	Michael & Joann Bowman	1133 / 738	1.02
116	466 / 61	Theodore J. Perine	1211 / 990	1.51
117	466 / 60	Frank N. Wine, Jr. & III	1596 / 809	42.04
Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
118	9C / 32.1	Leonard D. Drake, et ux	384 / 291	2.38
119	9C / 32.2	Michael Lowell Roberts, Jr.	529 / 319	2.54
120	9C / 38	Leonard D. Drake	480 / 264	106.15
121	9C / 27	S. Thomas & Esther M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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: August 21 20 20
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: West Milford
Btm: Weston

DISTRICT: Grant

COUNTY: Harrison

SURFACE OWNER: Hubert E. & Sandra K. Neel

ACREAGE: 89.07

ROYALTY OWNER: Dora B. McWhorter, et al, et al

LEASE NO: ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

**HG Energy II Appalachia, LLC
Neel 1207 S-12H Lease Chain**

1207 S TRACT #	LEGACY LEASE NUMBER	TAX MAP	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
3	LC068480	12-0445-0005-0000 12-0445-0005-0001	DORA B. MCWHORTER, WIDOW; AND EVERETT EDMONDS AND GLADYS EDMONDS, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	819	344
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1139	509
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581			
4	LC068498	12-0426-0071-0000	EARL SNIDER AND RELLA SNIDER, HIS WIFE; MARGARET RICE AND W. A. RICE, HER HUSBAND; K. M. SNIDER AND HANNAH M. SNIDER, HIS WIFE; CREED SNIDER AND MAE SNIDER, HIS WIFE; THE UNION NATIONAL BANK OF CLARKSBURG TRUSTEE U/W OF GERTRUDE E. DAVIS, DECEASED; AND RALPH SNIDER AND NELL SNIDER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	820	519
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581			
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295			
5	LC072051	12-0445-0013-000 12-445-0013-0001	UNION NATIONAL BANK, TRUSTEE UNDER AGREEMENT OF THE GORE-MORRIS TRUST DATED AUGUST 25, 1966	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	994	496
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581			
12	LC068718	12-0446-0016-0000 12-0446-0016-0001	C. E. HICKMAN AND EDITH HICKMAN, HIS WIFE; AND FAIN J. LITTLE AND REDA M. LITTLE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	824	128
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581			
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295			
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	LEWIS 736	220			
11	LC066852	12-0445-0015-0000 12-0445-0015-0001	WILLIAM L. HORNOR AND GERTRUDE B. HORNOR, HIS WIFE; KATHRYN B. HORNOR, SINGLE; MARY A. CASE AND WALTER A. CASE, HER HUSBAND; FRANCES S. HORNOR, SINGLE; WINIFRED H. MYER AND CHARLES R. MYER, HER HUSBAND; JEAN CHILDRESS AND THOMAS E. CHILDRESS, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	782	4
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235

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Environmental Protection

			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
13	LC066717	12-0445-0029-0000 12-0446-0017-0000	THOMAS R. HORNOR AND ELEANOR K. HORNOR, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	777	374
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	LEWIS 736	220
15	LC066860	12-0446-0018-0000 12-0446-0018-0001	HAZEL KIEFFER AND STEVE KIEFFER, HER HUSBAND; JUNIUS B. QUEEN AND EDNA M. QUEEN, HIS WIFE; ROSA L. WILSON, WIDOW; GEO. R. SINCLAIR, WIDOWER; LAURA M. REYNOLDS, WIDOW; ALICE B. YOUNG AND J. B. YOUNG, HER HUSBAND; ELSIE STARRETT AND C. H. STARRETT, HER HUSBAND; CLARA B. HAWKINS AND C. W. HAWKINS, HER HUSBAND; COMM. FOR IVA SINCLAIR; EARL W. QUEEN AND PATRICIA A. QUEEN, HIS WIFE; THOS. R. HORNOR AND ELANOR K. HORNOR, HIS WIFE; FRANK B. QUEEN AND PEARL QUEEN, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	783	410
			LILLIE GIFFORD, WILBUR STOUT, AND MABEL STOUT	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	43
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
16	LC066784	2-446-0030-0000 12-446-0030-0001 12-446-0030-0002 12-446-0030-0003 12-446-0030-0004 12-446-0030-0005 p/o 12-446-0031-0000	ROBERT F. MARTIN AND THERESA D. MARTIN, HIS WIFE; ESTELLE SPRINGER AND A. M. SPRINGER, HER HUSBAND; AND A. EARLE NEALE AND ADELAIDE B. NEALE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	781	42
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
17	LC066787	12-0446-0031-0000 12-0446-0031-0001 12-0446-0031-0002 12-0446-0031-0003	ROBERT F. MARTIN AND THERESA D. MARTIN, HIS WIFE; ESTELLE SPRINGER AND A. M. SPRINGER, HER HUSBAND; AND A. EARLE NEALE AND ADELAIDE B. NEALE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	781	39
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	

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			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
18	LC073301	12-0446-0032-0000 12-0446-0039-0000 12-0446-0039-0001 12-0446-0039-0002 12-0446-0039-0003 12-0446-0039-0004	ETHEL J. WARD AND HOY C. WARD, HER HUSBAND; ELLA GAY BENNETT; OPAL KELLEY AND WAYNE W. KELLEY, HER HUSBAND; PAULINE LOVE; ETHEL HINKLE; SAMUEL B. FLOYD AND RUBY FLOYD, HIS WIFE; FLORA GULLEY; COY D. MCINTYRE AND AGNES MCINTYRE, HIS WIFE; MAXINE J. MEREDITH AND JOHN L. MEREDITH, HER HUSBAND; JESSIE MCINTYRE; IRENE V. FURMER AND JOHN FURMER, HER HUSBAND; JAMES W. MCINTYRE AND HELEN V. MCINTYRE, HIS WIFE; GERALDINE SHAVER AND HAROLD F. SHAVER, HER HUSBAND; THURMAN G. SCOTT; YOCHYM BROTHERS COAL COMPANY; ROY BUREN HINKLE AND EDITH MYRTLE HINKLE, HIS WIFE; BEATRICE SCOTT AND J. EVERETT SCOTT, HER HUSBAND; NAOMI E. BUSH AND ALTON N. BUSH, HER HUSBAND; C. A. MILLER; CLOVIS S. MCINTYRE AND EMMA C. MCINTYRE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	890	124
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
19	LC066723	12-0446-0040-0000 12-0446-0040-0002 12-0446-0040-0003 12-0446-0040-0004 12-0446-0040-0005	ODE BRIGHT AND VERNA BRIGHT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	1
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
21	LC066729	12-0466-0004-0000 12-0466-0005-0000	NATHAN G. MCWHORTER AND DORA E. MCWHORTER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	88
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONFIRMATORY DEED	1138	509
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
27	LC066724	12-0466-0002-0000	NELIA J. FITZPATRICK, WIDOW; E. H. FITZPATRICK AND BESSIE K. FITZPATRICK, HIS WIFE; J.C. MCWHORTER AND GRACE A. MCWHORTER, HIS WIFE; IDEN MCWHORTER AND OKLA MCWHORTER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	56
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	

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			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
20	LC066733	12-0466-0005-0001	NATHAN G. MCWHORTER AND DORA E. MCWHORTER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	91
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONFIRMATORY DEED	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
28.0	LC090251 LC066738	12-0466-0003-0000 12-0466-0003-0001 12-0466-0003-0002 12-0466-0003-0003 12-0466-0003-0004	Neila J. Fitzpatrick, widow, and E.H Fitzpatrick and Bessie K. Fitzpatrick, his wife	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	59
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONFIRMATORY DEED	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			Huffman Construction	Consolidated Gas Supply Corporation	MINERAL DEED	1120	468
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	FIRST AMENDMENT TO FARMOUT AGREEMENT	1524	491
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	660
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
28.68	W-68	12-2004-1-79.6	Mary K. Richards	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	693
			Edward L. Lance	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	245
			Rose Anne Grove	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	429
			Robert Lee Wright, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			"John Doe"- An unnamed Minor c/o Jennifer L. Rieffer	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Cheryl Cropp	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1111
			Jackie Gorby	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	237
			Sheila Delaney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	124
			Rebecca Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Gary Elder	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Kevin Elder	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Billy Earl Lott, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Elizabeth Ann Lott	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Michael G. Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Tina G. Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	850
			Michelle D. Stutler Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	111
			Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	838
			Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	673
			Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	695
			Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	939
			George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	1004
			David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1117
			Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	675
			Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1121
			John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	885
			Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	848
			Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	825
			Lauren E. Nasserí	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	689
			Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	844
			Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	952
			Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	691
			William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	858
			Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Penelope (Penny) Lea Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	815
			Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1140
			Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	391
			Prudence Alice Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	711
			Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	840
			William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	67
			Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	677
			James M Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	681
			William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	709
			Tonya Gay Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	817
28.67	W-67	12-2004-1-79.5	Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	705

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			Jered Kuroski Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	657
			Helen Ruth Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	679
			Virginia Louise Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	852
			David Ronnie Cain, Sr. (and Lalah Cain, his wife)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	671
			Kenneth Burton Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Peggy Ann Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	842
			Norma Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	683
			Mary Diane Small per t/o Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	856
			Sharon E. Adams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Eric M. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
			Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1123
			Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	878
			Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	848
			Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
			Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
			Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	669
			Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
			Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
			Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.53	LC077445	12-2004-37	KENNETH F. JARRETT ET UX	CONSOLIDATED GAS SUPPLY COR	NOT LESS THAN 1/8	949	384
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
28.66	W-66	12-2004-I-79 Project S34 (I-79.4)	Phyllis R. Ellis	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	238
28.62	W-62	12-2004-I-79 Project S26 (I-79.1)	Barbara Jean Maidens	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1015
			David P. Bennett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	663
			Rodney K. Cooper, Sr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	236
			Alicia Nanette Thompson (& husband Donald A. Thompson)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	69
			Mary Cooper Kennedy	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	653
			Helen Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1136
			Betty Cooper Allen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	665
			W. Keith Cooper	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Karen S. Cooper	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	798
			Sheila Anderson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	964
			Neal Fox	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.63	W-63	12-2004-I-79 Project S27 (I-79.2)	John W. Stott	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	109
			Linda M. Stott	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1166
			Patricia Colgan Stott Book	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Thomas L. Wagoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	856
			William T. Ramsey	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Amy Michelle Chrissman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Joseph W. Wagoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			W. Lawrence Wagoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			John T. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	254
			Carol A. Kustodowicz	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	819
			Jannie L. Wagoner Forquer	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1023
			Jeffery Scott Wagoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	813
			Trisha A. Hurd fka Trisha A. Wagoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	862
28.64	W-64	12-2004-I-79 Project S28 (I-79.3)	Michelle Swiger Green	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	79
			Saundra K. Swiger Taylor	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	846
			Charlotte L. Swiger Eddy	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	71
			Kimberly D. Swiger Ribovich	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	687
28.61	W-61	12-2004-40	Kenneth D. Jarrett and Debra D. Jarrett, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	77
28.47	W-47	12-2004-50	Beverly J. Coffindaffer and Kathy M. Debrular	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	31
28.46	W-46	12-2004-80	Jannie Lynn Wagoner Forquer & John C. Forquer, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1025
28.58.1	W-58A	12-2004-42	Anthony D. Snider	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	256
28.58.2	W-58B	12-2004-42.1	Zachary Martin and Katelyn Hamrick, as joint tenants with the right of survivorship	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	864
			Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	157
			Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	782

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			Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	276
			Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	389
			George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1069
			David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1124
			Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	74
			Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	50
			Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	262
			John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1149
			Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	22
			Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1116
			Lauren E. Nasser	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1145
			Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1097
			Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1087
			Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	947
			Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	821
			William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	523
			Margaret Ann Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Penny (Penelope) Lee Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	20
			Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1147
			Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	544
			Prudence Alice Evans (Gatrell)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	529
			Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1069
			William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1139
			Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1093
			James M Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1073
			William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.50	W-50	12-2004-61	Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Tonya Gay Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1124
			Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1093
			Jered Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	48
			Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	48
			Helen Ruth Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1091
			Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1091
			Virginia Louise Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	209
			Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	209
			David Ronnie Cain Sr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1137
			David Cain and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1137
			Kenneth Burton Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	163
			Norma Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	46
			Mary Diane Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	209
			per /vs Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	209
			Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	40
			Sharon E. Adams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	135
			Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	135
			Eric M. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1146
			Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
			Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1118
			Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1132
			Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	56
			Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	873
			Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
			Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
			Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
			Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	51
			Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
			Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
			Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.51	W-51	12-2004-72	Gary Batten	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	870
28.52	W-52	12-2004-71	Gary Batten	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	868
28.13	W-13	12-2004-83, Harrison	Ralph Eugene Miller & Catherine Miller	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	221
101	100	WV DOH TURNPIKE	WV DOH	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	11
			William W. Wright	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	703
			Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	395
			Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1150
			Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	943
			Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	941
			George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	1006
			David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1119
			Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1152
			Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	794
			Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	858
			Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1109
			Lauren E. Nasser	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	431
			Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	1002
			Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	399
			William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	866
			Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Penelope (Penny) Lea Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	802
			Priscilla Anne Coffman-Veto	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	393
			Prudence Alice Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	435
			Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	421
			Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1154
			James M Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1160
			William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.60	W-60	12-2004-62	Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	437
			Tonya Gay Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	960
			Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Jered Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1164
			Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1164
			Helen Ruth Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1154
			Virginia Louise Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	1687	115

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			David Ronnie Cain, Sr. (and Lalah Cain, his wife)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1115
			Kenneth Burton Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Peggy Ann Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	800
			Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1162
			Mary Diane Small per t/o Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	886
			Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	958
			Sharon E. Adams Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	122
			Eric M. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
			Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1125
			Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	880
			Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	850
			Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
			Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
			Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1113
			Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1687	241
			Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
			Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.3	Tract W-3	12-2004-73	Jack K. Miller and Debra J. Miller, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1648	45
28.7	W-7	12-2004-84 12-2004-85 12-2004-96	Col. Ronald Alfred Bowen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1347
			Donald Gene Bowen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1085
			Arlington Robert Bowen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	129
			Barbara Ann Bowen Massie	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	139
			Don W. Parrish	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	53
			Geraldine Parrish Wilkerson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1063
			Brian L. Parrish	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	205
			Wanda Loretta Murphy	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	129
			Catherine Cahill Ranz Trust, Megan Ranz Korn, Beneficiary	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Kevin J. Cahill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	54
			Anne M. Cahill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	42
			Michael L. Cahill	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	18
			Jada Janevski, C/O Jennifer Janevski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	542
			updated contact>>> Timothy Trulock (Heir of Leonora Dolors Parrish Trulock) (See Minnie Waggoner T/O Pkg.)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1345
			Aimee Brooke Thurber (Daughter of Kris Weldon Trulock, Heir of Leonora Parrish Trulock) (See Minnie Waggoner T/O Pkg.)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	55
			Kathryn Trulock (Heir of Leonora Dolors Parrish Trulock) (See Minnie Waggoner T/O Pkg.)	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.55	Tract W-55	12-2004-94	Van J. Groves, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	823
			Mary Richards	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1304
			Michael G. Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1148
			Tina G. Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	244
			Michelle D. Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	707
28.17	W-17	12-2004-95	Jonathan R. Schafferman and Andrea M. Reed	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	268
			James M Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	21
			William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	19
			Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	15
			Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	701
			Jerred Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	732
			Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1152
			Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1138
			Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	43
			David Cain and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1318
			Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	17
			Kenneth B. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Virginia Louise Staub Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	215
			Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	419
			Martha G. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1302
			Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	882
			Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
			Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	25
			Mary Diane Small per t/o Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Eric Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	288
			Sharon E. Adams Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	234
			Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1110
			Tonya G. Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	1321
			William M. Eagle, Jr., William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1154
			Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
			Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	661
			Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
			Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
			Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
			Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	39
			Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	738
			Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	776
			Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	262
			Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	*	*
			Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	391
			George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1067
			David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1162
			Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1310
			Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1112
			Della Kyliene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	280
			John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	127

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28.57 W-57 12-2004-74

			Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	133
			Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1316
			Lauren E. Nasser	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1214
			Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1300
			Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	988
			Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	736
			William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	246
			Penelope Lea Dawson; NEW CTO Penny Lee Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1312
			Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	41
			Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	1306
			Prudence Alice Evans; NEW CTO Prudence Gatrell	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	226
28.45	W-45	12-2004-86	Jonathon R. Shafferman and Andrea M. Reed	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	401
28.43	W-43	12-2004-87	Jonathon R. Shafferman and Andrea M. Reed	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	399
28.44	W-44	12-2004-98	Lonnie F. Lamb	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	880
28.2	Tract W-2	12-2004-97	Carol Lynn May & Brian Jay May	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	186
			James Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1651	1276
			William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1651	1274
			Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1246
			Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1651	1272
			Jered Kuroski Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	68
			Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1134
			Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1336
			Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1648	104
			David Cain and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1071
			Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1077
			Kenneth B. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	165
			Virginia Louise Staub Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	206
			Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1332
			Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	873
			Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
			Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1651	1282
			Mary Diane Small per Vo Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1325
			Eric Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1210
			Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1318
			Sharon E. Adams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1252
			Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1240
			Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1240
			Tonya G. Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1651	1270
			William M. Eagle, Jr., William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.37	W-37	12-466-23, 12-466-24	Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	161
			Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	778
			Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	278
			Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	385
			George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1220
			David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1158
			Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1234
			Sandra Sue Vandeventer	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	37
			Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	296
			John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	17
			Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	1092
			Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	159
			Lauren E. Nasser	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1212
			Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	99
			William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1663	1196
			Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1315
			Penny Lee Dawson FKA Penelope Lea Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1306
			Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1308
			Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1663	1198
			Prudence Gatrell FKA Prudence Alice Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1242
			Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1087
			Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
			Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
			Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
			Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
			Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
			Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	57
			Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			James Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1646	829
			William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1021
			Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1187
			Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1648	112
			Jered Kuroski Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	256
			Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	250
			Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1244
			Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1647	1327
			David Cain, and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1075
			Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1089
			Kenneth B. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	167
			Virginia Louise Staub Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	197
			Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1236
			Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	873
			Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
			Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1648	116
			Mary Diane Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Eric Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1208
			Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1232
			Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1648	102

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Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Tonya G. Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1251
William M. Eagle, Jr., William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	36
Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	770
Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	268
Janet L. Hannon by her POA Brian Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	379
George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1073
David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1122
Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1185
Sandra Sue Vandeventer	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	35
Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	302
John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	13
Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	1100
Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	175
Lauren E. Nasser	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1328
Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	101
William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1663	1204
Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1337
Penelope Lea Dawson AKA Penelope Lee Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1312
Priscilla Coffman [Priscilla Anne Coffman]	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1645	1226
Patricia Higginbotham [Patricia Lynn Higginbotham]	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1654	1226
Prudence Gatrell [Prudence Alice Evans]	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	185
Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1087
Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	53
Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*

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James Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1067
William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	38
Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	207
Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	699
Jered Kuroski Jared Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	728
Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1130
Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	536
Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	66
David Ronnie Cain Sr. David Cain and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	72
Helen Ruth Humphries Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1061
Kenneth Burton Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	203
Virginia Louise Staub Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	188
Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1083
Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	873
Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1089
Mary Diane Small per t/o Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Eric Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	519
Sharon E. Adams Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	139
Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1087
Tonya G. Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1059
William M. Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1063
Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	722
Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	272
Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	393
George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1218
David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1166
Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	76
Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	52
Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	264
John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	175
Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	62
Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	64
Lauren E. Nasser	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1095
Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1065
William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	521
Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1077
Penelope Lea Dawson; NEW CTO Penny Lee Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1071
Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	548
Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	31
Prudence Alice Evans; NEW CTO Prudence Gatrell	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	527
Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1087
Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	33
Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
James Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	202
William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1059
Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1067
Joshua S. Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1091

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Jered Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	135
Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	244
Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	133
Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1061
David Ronnie Cain Sr. David Cain and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	286
Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1151
Kenneth Burton Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	58
Virginia Louise Staub Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	221
Paul Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1120
Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	873
Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	194
Mary Diane Small per t/o Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	792
Eric Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1206
Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	137
Sharon E. Adams Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	137
Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	141
Tonya G. Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	196
William M. Eagle, Jr., William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	28
Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	788
Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	282
Janet L. Hannon by her POA Brian Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	397
George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1081
David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1160
Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	198
Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	24
Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	21
John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	131
Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1055
Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1671	525
Lauren E. Nasserl	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1143
Marla E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1122
William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	190
Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	954
Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	200
Penelope Lee Dawson AKA Penelope Lee Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1666	192
Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1065
Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	1081
Prudence Alice Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	143
Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1087
Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	49
Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
James Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	169
William D. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	65
Gary W. Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	49
Josh Nay	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	155
Jered Kuroski	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	183
Margaret Cole	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Denise Raker fka Denise Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1136
Marie M. Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1321
Peggy Ann Cain, Spouse to Edward Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	105
David Cain and Lalah Cain, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1667	1069
Helen Ruth Humphries Helen Cain Humphries	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	1153
Kenneth Burton Cain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	201
Virginia Louise Staub Virginia Cain Staub	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	194
Paul C. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	153
Lorrie Harris	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1680	873
Tammy Coffield	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1674	25
Jean Brummett	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	93
Mary Diane Small per t/o Mary Denise Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	70
Eric Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1142
Willard A. Lyall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	67
Sharon E. Adams Sharon E. Adams, by her POA Samona Luman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1319
Perry A. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	179
Tonya G. Ward	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	111
William M. Eagle, Jr., William Manley Eagle, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Jeanette R. Tenney	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Robert E. Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Nancy F. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	26
Ellen Haddad	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	774
Carolyn Galante	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	266
Janet L. Hannon C/O Brian Hannon Trustee	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
Brian K. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	387
George W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1077
David W. Hannon	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1126
Fredrick W. McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	45
Sandra Sue Vandeventer, by Christopher Vandeventer, her POA	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	31
Della Kylene Bishop	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	298
John Bowman McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	25
Thomas Smith McWhorter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1660	1305
Carol M. Jordan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	151
Lauren E. Nasserl	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	167

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			Maria E. Sullivan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1343
			William Lee Randolph	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	63
			Dorothy Jean Randolph, POA Nelson Keith Randolph, son	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Martha Ann Williams	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1665	250
			Penelope Lea Dawson; NEW CTO Penny Lee Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	103
			Priscilla Anne Coffman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	161
			Patricia Lynn Higginbotham	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1664	1349
			Prudence Alice Evans; NEW CTO Prudence Gatrell	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	187
			Robert Allen Bowermaster, II	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1672	1087
			Lorraine Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	520
			Jamie Workman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	1017
			Bradley Eugene Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	436
			Misty Dawn Smith fka Misty D. Cleavenger fka Misty Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1673	422
			Tim Eagle	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	1685	512
			Ashley (Eagle) White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
			Chris Eagle, by his POA Amanda Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	43
			Tiffany Eagle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 - COTENANCY AFFIDAVIT	*	*
28.1	Tract W-1	12-466-27	Mary Richards	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1633	491
			Tina G. Davisson and Michael G. Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	230
28.38	W-38	12-466-25	Trustees of West Virginia Wesleyan College	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	248
			Zebulon T. Davisson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1610	474
28.39	W-39	12-466-26	West Virginia Wesleyan College	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	250
			Waco Oil & Gas Company Inc	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1670	60
			Mike Ross Inc.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1669	127
31	N/A	12-0466-0060-0000 12-0466-0052-0000	JACK ALLEN SHOCK ET UX	MIKE ROSS INC.	NOT LESS THAN 1/8	1244	349
			MIKE ROSS INC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1625	409
47.1	Tract I-2	12-466-49	James L. Hines & Lesa D. Hines	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	284
47.3 & 47.4	Tract V	12-466-45 & 12-466-46	Van J. Groves and Karen S. Groves, JTWROS	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	228
47.7	Tract I-5	12-466-61	Theodore J. Parline	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1673	290
47.8	Tract I-5.1	12-466-62	Michael R. Bowman and JoAnn Bowman, his wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1675	252
			HOWARD J. REED AND MAUDE REED, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	786	192
30	LC066950	12-0466-0030-0000 12-0466-0031-0000 12-0466-0032-0000	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONFIRMATORY DEED	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	WVSOS		
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
40	LC066736	12-0466-0065-0000	MYRTLE EDMONDS, SINGE; AND MANFERD EDMONDS, SINGLE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	53
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
			DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO FARMOUT AGREEMENT	1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	WVSOS		
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
41	LC066765	04-009C-0028-0000	MYRTLE EDMONDS, SINGE; AND MANFERD EDMONDS, SINGLE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	HARRISON 779 LEWIS 243	50 188
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	HARRISON 903 LEWIS 294	179 89
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	HARRISON 1136 LEWIS 425	250 127
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	HARRISON 51	795
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	HARRISON 58	362
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	HARRISON 1522 LEWIS 672	33 154
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO FARMOUT AGREEMENT	HARRISON 1524	491
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	HARRISON 1543 LEWIS 684	1235 57
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	HARRISON 1576 LEWIS 712	125 848
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	HARRISON 1584 LEWIS 717	942 1
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600 LEWIS 722	692 170
			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	WVSOS		

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			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	HARRISON 1601 LEWIS 723	581 499
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	LEWIS 723	527
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	HARRISON 1621 LEWIS 734	1295 558
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	LEWIS 736	220
43	LC061616	04-009C-0027-0000	MARGARET HOWELL CAESAR AND SAMUEL W. CAESAR, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	208	297
			HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
			CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
			DOMINION TRANSMISSION INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	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

*Co-tenancy utilization – At least 7 mineral owners in tract. At least 75% of the royalty owners have executed a lease on the tract. The interests of the remaining co-tenants were acquired pursuant to the Co-tenancy Modernization and Majority Protection Act.

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Supplemental



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

August 20, 2020

Mr. James Kennedy
WVDEP
Division of Oil & Gas
601 57th Street
Charleston, West Virginia 25304

RE: Neel 1207 S-12N (47-033-05977)
Grant District, Harrison County
West Virginia

RECEIVED
Office of Oil and Gas
AUG 31 2020
WV Department of
Environmental Protection

Dear Mr. Kennedy:

Per our discussion, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic, WW-6A1 and lease chain) for the 1207 S-12H well work permit. We request the drill permit be modified as new leases have been acquired to lengthen the lateral.

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

Very truly yours,

Diane White

Diane C. White

Enclosures

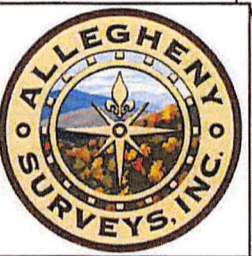
cc: Sam Ward - Inspector

(Plat Copies 1-6)

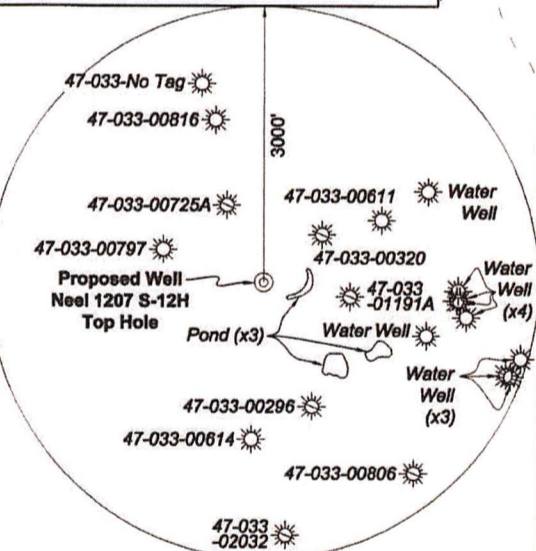
HG Energy II Appalachia, LLC
Well No. Neel 1207 S-12H MOD

Page 1 of 6

Notes:
Well No. Neel 1207 S-12H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,319.84'
E: 1,809,863.30'
Landing Point Coordinates
N: 14,218,767.02'
E: 1,812,071.83'
Bottom Hole Coordinates
N: 14,204,807.80'
E: 1,817,208.46'



Notes: Well No. Neel 1207 S-12H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°09'04.86" Latitude: 39°06'50.77"
Longitude: 80°24'08.88" Longitude: 80°22'36.79"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,333,752.555m N: 4,329,634.077m
E: 551,647.437m E: 553,886.246m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.



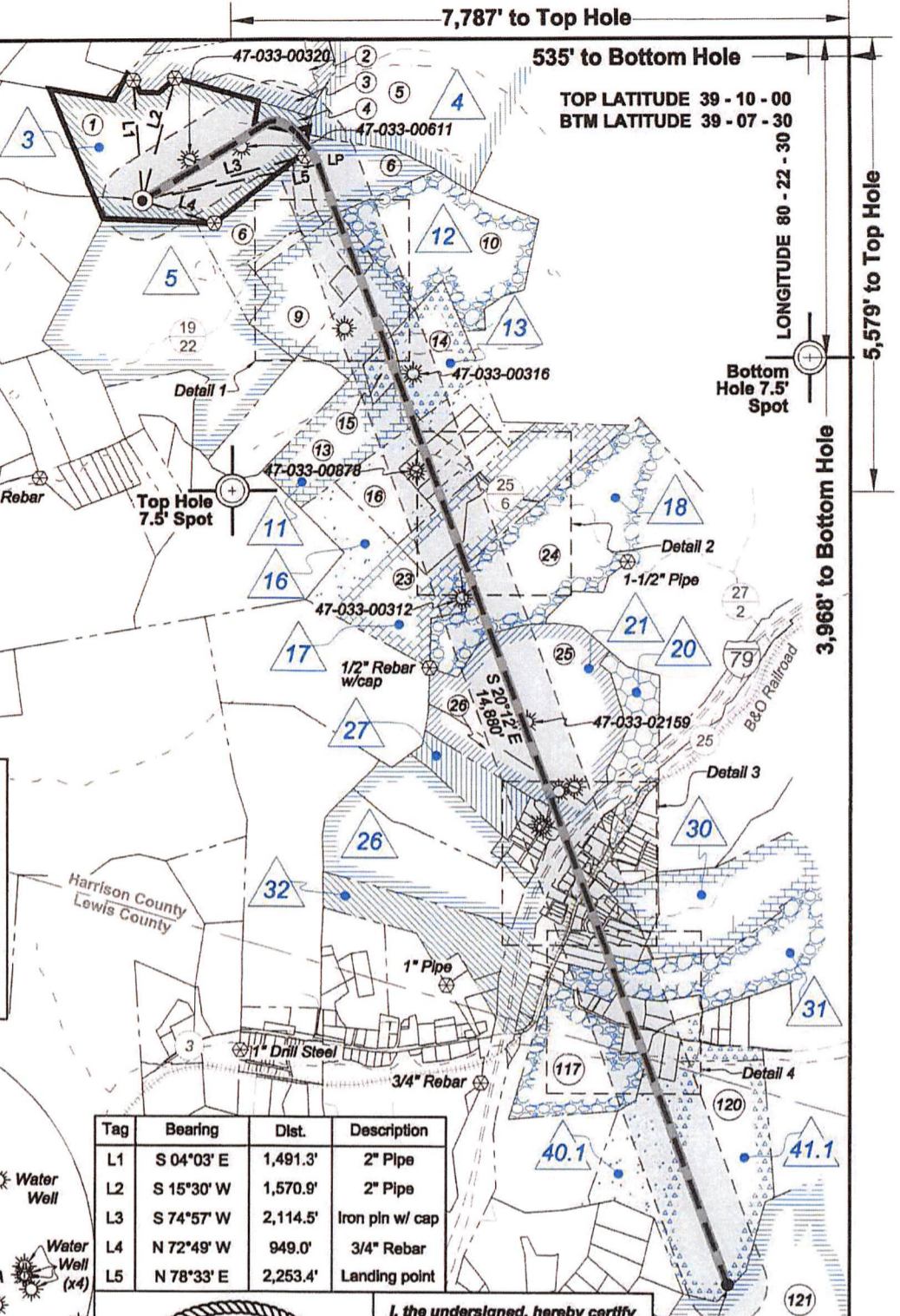
Note: 1 water well and 3 ponds were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Tag	Bearing	Dist.	Description
L1	S 04°03' E	1,491.3'	2" Pipe
L2	S 15°30' W	1,570.9'	2" Pipe
L3	S 74°57' W	2,114.5'	Iron pln w/ cap
L4	N 72°49' W	949.0'	3/4" Rebar
L5	N 78°33' E	2,253.4'	Landing point



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



7,787' to Top Hole
535' to Bottom Hole
TOP LATITUDE 39 - 10 - 00
BTM LATITUDE 39 - 07 - 30
LONGITUDE 80 - 22 - 30
5,579' to Top Hole
3,968' to Bottom Hole
Bottom Hole 7.5' Spot

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H 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

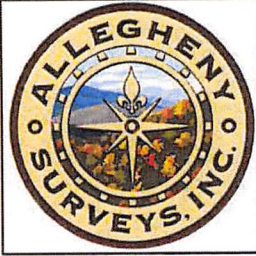
DATE: August 21 2020
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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

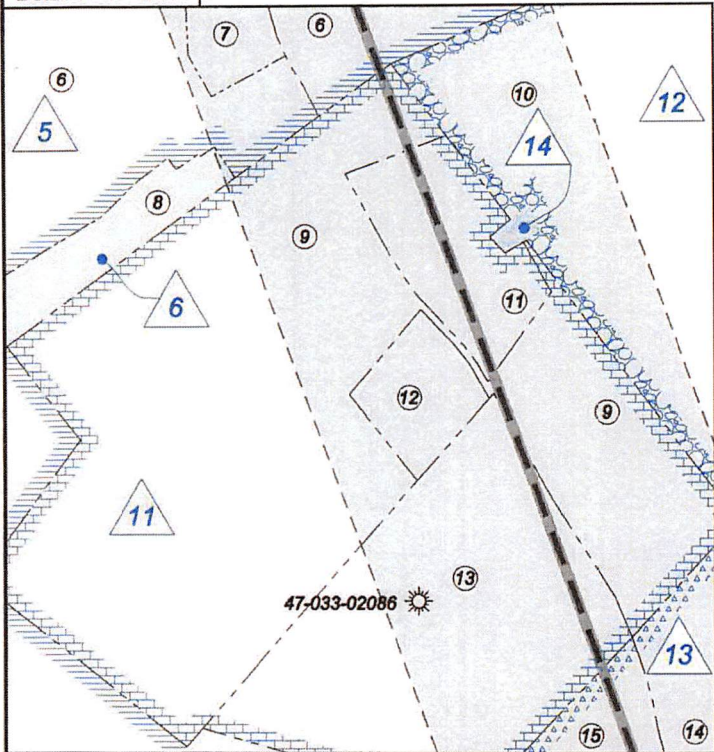
LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant QUADRANGLE: Top: West Milford Btm: Weston
COUNTY: Harrison
SURFACE OWNER: Hubert E. & Sandra K. Neel ACREAGE: 89.07
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' 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

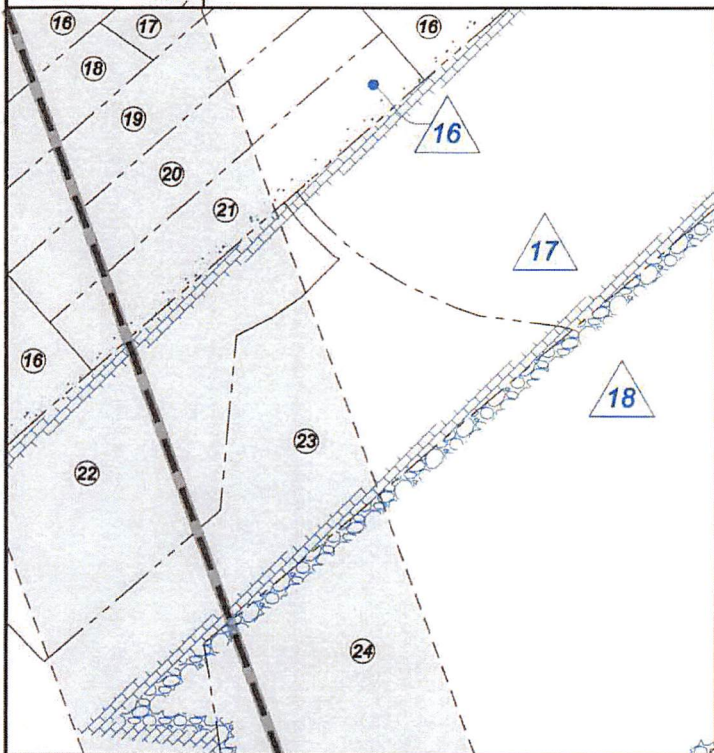
Neel 1207 S-12H Bottom Hole
Office of Oil and Gas
AUG 31 2020
WV Department of Environmental Protection



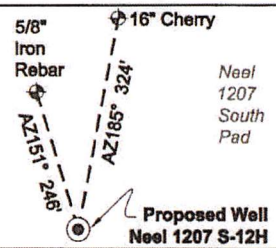
Detail 1 - 1" = 500'



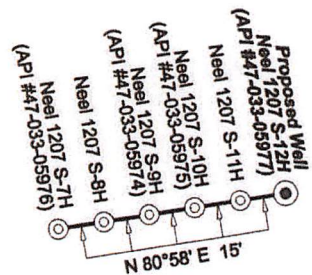
Detail 2 - 1" = 500'



Well Location References
Not to Scale



Wellhead Layout (NTS)



Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- County Line
- Railroad
- Interstate
- County Routes

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PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV

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

DATE: August 21 2020
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant

Top: West Milford
QUADRANGLE: Btm: Weston
COUNTY: Harrison
ACREAGE: 89.07

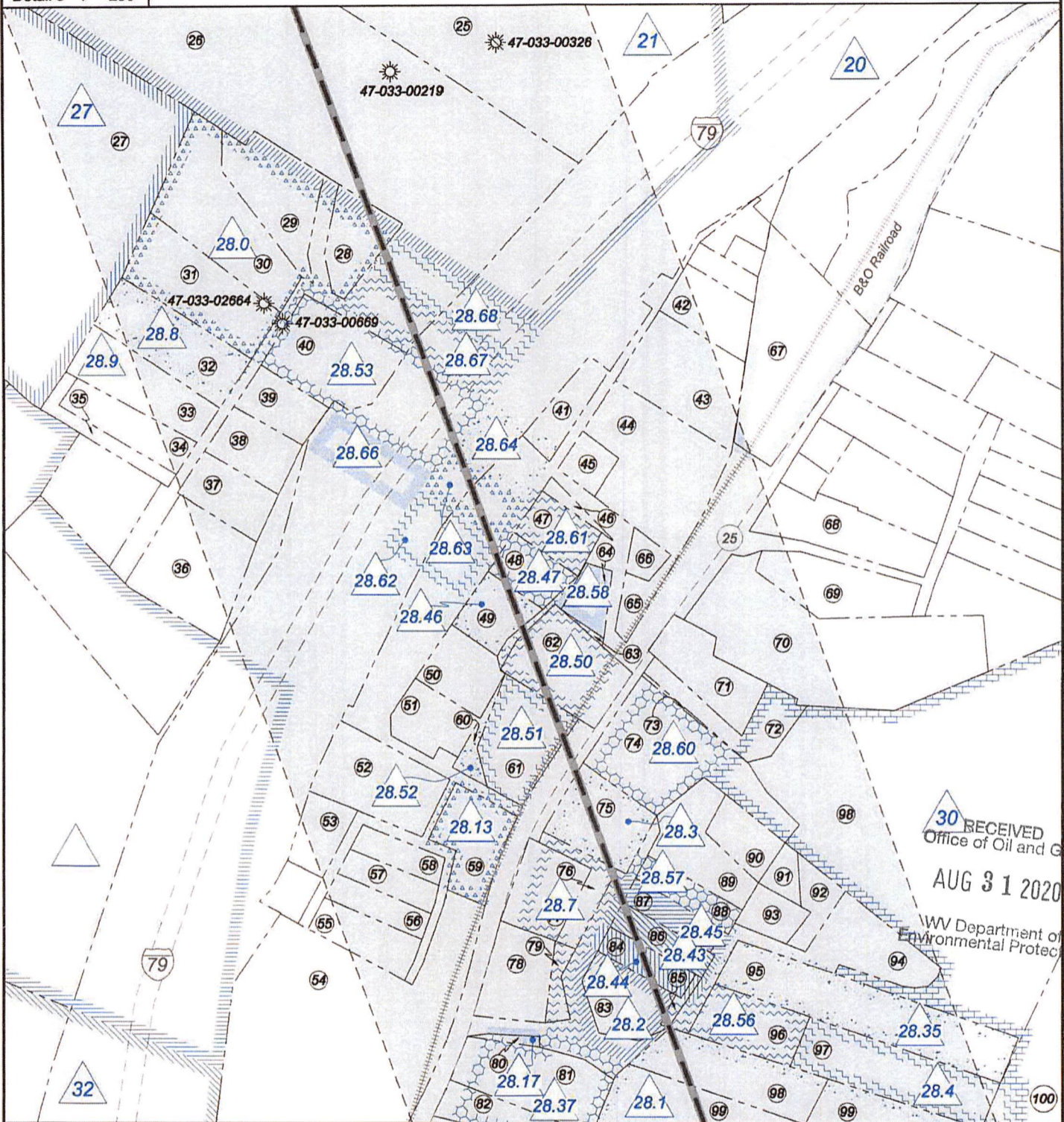
SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00

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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
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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 3 - 1" = 250'



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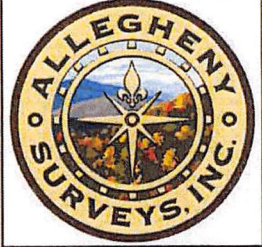
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ROYALTY OWNER: Dora B. McWhorter, et al, et al

LEASE NO: _____ ACREAGE: 103.00

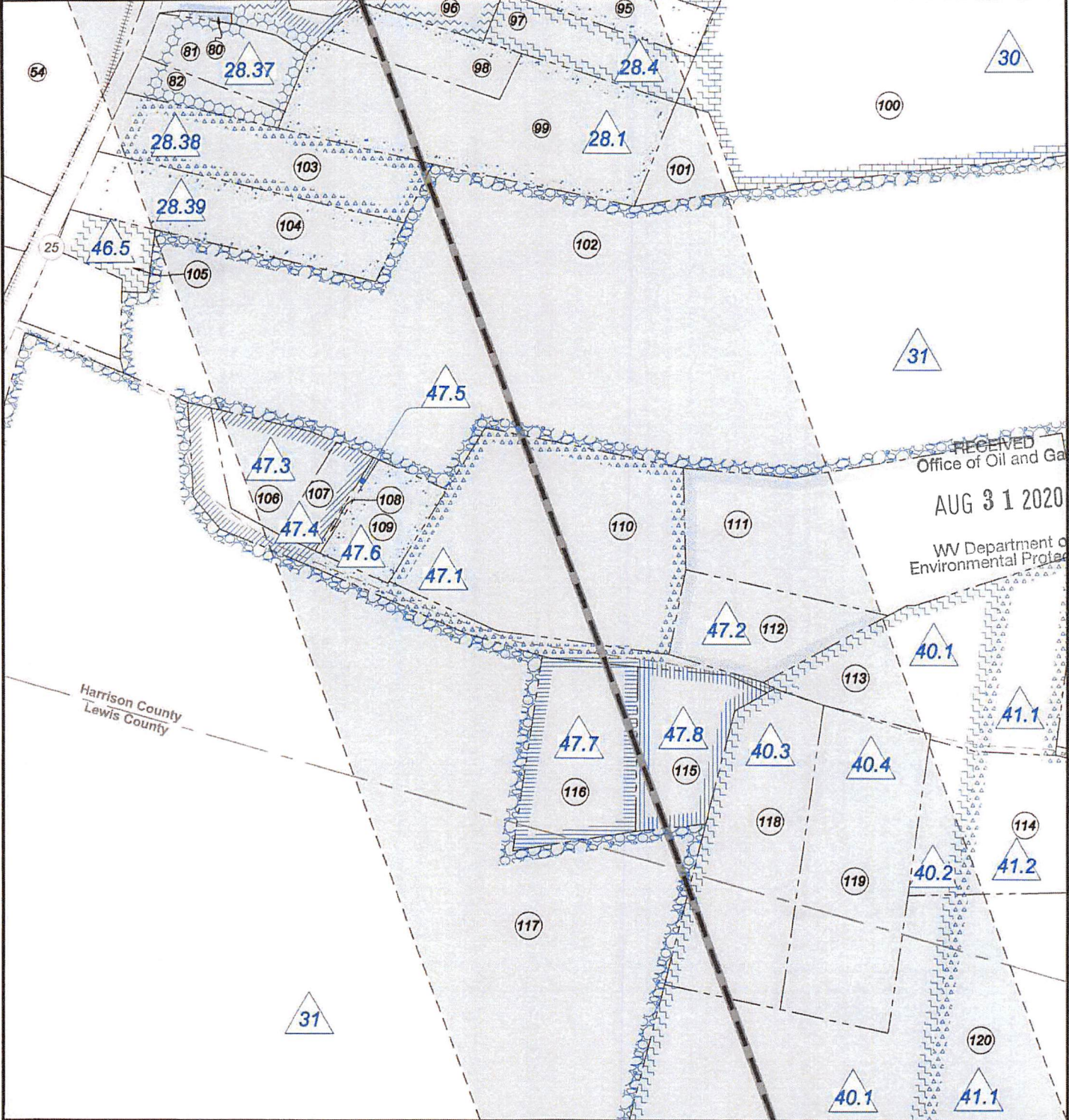
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Detail 4 - 1" = 250'



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DISTRICT: Grant

Top: West Milford
Bottom: Weston
QUADRANGLE:
COUNTY: Harrison
ACREAGE: 89.07

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LEASE NO: ACREAGE: 103.00

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ID	Lease
N5	A.C. Thrash
3	Dora B. McWhorter, et al
4	Dominion Energy Transmission, Inc.
5	United National Bank Trustee of Gore Morris
6	Martha E. Lambert
11	William L. Horner, et al
12	C.E. Hickman, et al
13	Thomas R. Horner, et al
16	Robert F. Martin, et al
17	Robert F. Martin, et al
18	Ethel J. Ward, et al
20	Nathan McWhorter, et al
21	Nathan McWhorter, et al
27	Nelia J. Fitzpatrick, et al
28.0	Dominion Energy Transmission, Inc., et al
28.1	Michael G. Davisson, et al
28.2	Carol L. & Brian J. May
28.3	Jack K. & Debra J. Miller
28.4	James Kuroski, et al
28.7	Wanda Loretta Murphy, et al
28.8	Tim Eagle, et al
28.9	Tim Eagle, et al
28.17	Jonathan R. Schafferman & Andrea M. Reed
28.35	James Kuroski, et al
28.37	Gary W. Kuroski, et al
28.38	Trustees of WV Wesleyan College, et al
28.39	Mike Ross, Inc., et al
28.43	Jonathan R. Schafferman & Andrea M. Reed
28.44	Lonnie F. Lamb
28.45	Jonathan R. Schafferman & Andrea M. Reed
28.46	John C. Forquer, Jr., et ux
28.47	Beverly J. Coffindaffer, et al

ID	Lease
28.50	Tim Eagle, et al
28.51	Gary Batten
28.52	Gary Batten
28.53	Dominion Energy Transmission, Inc., et al
28.56	Josh Nay, et al
28.57	Priscilla Anne Coffman, et al
28.58	Anthony D. Snider, et al
28.60	William W. Wright, et al
28.61	Kenneth D. & Debra D. Jarrett
28.62	Barbara Jean Maldens, et al
28.63	Jannie L. Wagoner Forquer, et al
28.64	Sandra K. Swiger Taylor, et al
28.66	Phyllis R. Ellis, et al
28.67	Willard A. Lyall, et al
28.68	Tina G. Davisson, et al
30	Howard J. Reed
31	Frank N. Wine, Jr., et al
40.1	Charles Anthony Coffindaffer, et al
40.2	Charles Anthony Coffindaffer, et al
40.3	Charles Anthony Coffindaffer, et al
40.4	Charles Anthony Coffindaffer, et al
41.1	Myrtle Edmonds, et al
41.2	Myrtle Edmonds, et al
43	Margaret Howell, et vir
47.1	James L. & Lesa D. Hines
47.2	Ronald D. Coffindaffer, II
47.3	Van J. & Karen S. Groves, JTWROS
47.4	Van J. & Karen S. Groves, JTWROS
47.5	Ryan Eugene Riffle
47.6	Ryan Eugene Riffle
47.7	Theodore J. Perine
47.8	Michael R. & JoAnn Bowman

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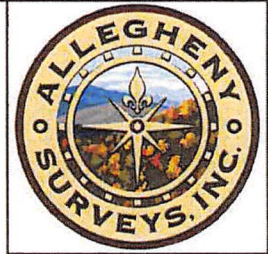
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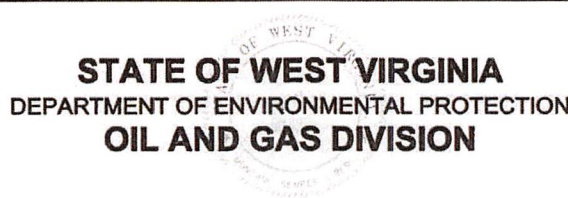
AUG 31 2020

WV Department of
Environmental Protection

Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	445 / 5	Hubert E. & Sandra K. Neel	1541 / 1153	89.07
2	425 / 30.1	James W. & Susan A. Freeman	1139 / 386	30.00
3	445 / 7	Anthony D. Snider	1350 / 818	8.00
4	445 / 5.1	David W. Lohr	1531 / 421	3.38
5	426 / 71	Antonio P., LLC	1503 / 291	233.35
6	445 / 13.1	Martha E. Lambert	---/---	26.77
7	445 / 13.2	Diana & James W. Lambert	1598 / 1239	4.54
8	445 / 14	Martha E. Lambert	1276 / 582	2.61
9	445 / 15.1	Martha E. Lambert	1276 / 582	35.00
10	446 / 16	Antonio P., LLC & Mike Ross, Inc.	---/---	68.85
11	445 / 15.2	Benjamin & Andrea Hall	1475 / 573	4.03
12	445 / 15.3	Maureen & Ferguson Calder	1502 / 722	2.08
13	445 / 15	Margaret S. Fisher	1276 / 576	49.69
14	446 / 17	Judith H. & David J. Savage	1161 / 11	24.92
15	445 / 29	Judith H. & David J. Savage	1161 / 11	5.00
16	446 / 30	Charles R. Sutton	1535 / 207	29.00
17	446 / 30.4	Brian Reed	1428 / 1334	2.18
18	446 / 30.5	Joseph & Stephine Richards	1588 / 679	2.66
19	446 / 30.3	Sylvia Homer Kreng	1138 / 28	4.83
20	446 / 30.2	Mike Ross Inc.	1581 / 805	4.83
21	446 / 30.1	Sidney Homer	1138 / 28	4.83
22	446 / 31.2	Brycan M. Gibson	1526 / 679	11.91
23	446 / 31	Richard L. Hawkins, Jr.	1569 / 982	58.96
24	446 / 39.1	Charles & Frank Sutton	1401 / 913	47.40
25	466 / 5	Mary Reel	1244 / 948	75.48
26	466 / 4	Mary Reel	1244 / 948	10.70
27	466 / 2	Worthey E. & Connie S. Poe	1240 / 388	16.70
28	466 / 3.1	Page D. Layfield	1123 / 491	0.37
29	466 / 3.2	Gregory A. Wilt	1081 / 112	0.61
30	466 / 3.4	Dominion Transmission, Inc.	A158 / 362	0.65
31	466 / 3.3	Dominion Transmission, Inc.	A158 / 362	0.76
32	2004 / 35	Helen Dawn Warner	W141 / 55	0.60
33	2004 / 46	Helen Dawn Warner	W141 / 55	0.61
34	2004 / 54	Stephen R. Riddle, Jr.	1540 / 231	0.37
35	2004 / 53	Stephen R. Riddle, Jr.	1540 / 231	0.25
36	2004 / 63	Katrina D. Ewing	1390 / 744	0.80
37	2004 / 57	Amber M. Butler	1505 / 196	0.29
38	2004 / 56	Ronald L. & Linda K. Brown	1364 / 462	0.34
39	2004 / 47	Helen Dawn Warner	W141 / 55	0.30
40	2004 / 37	Larry L. Jarrett, et al	1501 / 1343	0.64
41	2004 / 26	Dolores J. Balzano, et al	1584 / 540	0.19
42	2004 / 10	Trecia D. Hyde	1484 / 919	0.17
43	2004 / 16	Glenda Ericson, et al	1522 / 1072	0.77
44	2004 / 28	Dolores J. Balzano, et al	1584 / 540	1.08
45	2004 / 27	Dolores J. Balzano, et al	1584 / 540	0.16
46	2004 / 41	Kenneth D. & Debra D. Jarrett	1180 / 332	1 Lot
47	2004 / 40	Kenneth D. & Debra D. Jarrett	1180 / 332	0.30
48	2004 / 50	Beverly J. Coffindaffer	1447 / 84	0.26
49	2004 / 60	Jannie Lynn Wagoner	1432 / 1081	0.29
50	2004 / 70	Carl F. McHenry	1380 / 73	0.36
51	2004 / 69	Drema Wiley	1583 / 1302	0.36
52	2004 / 82	Sheila Virden	1563 / 702	0.62
53	2004 / 102	Deborah E. Snyder Jeffries	W183 / 1295	0.25
54	466 / 21	Dominion Transmission, Inc.	1367 / 359	2.43
55	2004 / 90	Deborah E. Riffle	W183 / 1295	0.35
56	2004 / 91	Deborah E. Snyder Jeffries	W183 / 1295	0.22
57	2004 / 92	Deborah E. Snyder Jeffries	W183 / 1295	0.21
58	2004 / 93	Deborah E. Snyder Jeffries	W183 / 1295	0.19
59	2004 / 83	Ralph E. Miller	1042 / 329	0.38
60	2004 / 71	Gary Batten	1396 / 332	0.09
61	2004 / 72	Gary Batten	1396 / 332	0.57
62	2004 / 61	Zachary & Katelyn Martin	1542 / 938	0.59
63	2004 / 42.1	Zachary & Katelyn Martin	1542 / 938	0.01
64	2004 / 42	Anthony D. Snider	1257 / 116	0.18
65	2004 / 43	Anthony D. Snider	1351 / 285	0.27
66	2004 / 43.1	Dolores J. Balzano, et al	1584 / 540	0.10
67	2004 / 7	c/o Assessors Office	---/---	1.42
68	2004 / 30	James W. Mitchell	1394 / 411	0.64
69	2004 / 45	John D. & Marlene Bennett	888 / 483	0.53
70	2004 / 44	McWhorter M.E. Church	287 / 63	1.99

Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
71	2004 / 51	William W. Wright	1013 / 518	0.50
72	2004 / 52	William W. Wright	1013 / 518	0.36
73	2004 / 62.1	William W. Wright	W192 / 536	0.02
74	2004 / 62	William W. Wright	W192 / 536	1.05
75	2004 / 73	Jack & Debra J. Miller	1343 / 1222	0.50
76	2004 / 86	Ralph E. Miller	1042 / 329	0.38
77	2004 / 84	Ralph E. Miller	1042 / 329	0.38
78	2004 / 94	Van J. Groves, II	1429 / 632	0.46
79	2004 / 96	Van J. Groves, II	1429 / 632	0.01
80	2004 / 95	Jonathon R. Shafferman	1567 / 1238	0.02
81	466 / 24	Michael Davisson	1264 / 975	0.66
82	466 / 23	Michael Davisson	1301 / 1009	0.34
83	2004 / 97	Carol L. & Brian J. May	1338 / 190	0.39
84	2004 / 98	Lonnie F. Lamb	1581 / 800	0.20
85	2004 / 99	c/o Assessors Office	---/---	1 Lot
86	2004 / 87	Jonathon R. Shafferman	1567 / 1238	0.22
87	2004 / 86	Jonathon R. Shafferman	1567 / 1238	0.20
88	2004 / 74	Judith Ann Roberts	W191 / 744	0.22
89	2004 / 76	Christine M. Lynch	F111 / 194	0.50
90	2004 / 77	William W. Wright	W192 / 536	0.25
91	2004 / 78	William W. Wright	W192 / 536	0.12
92	2004 / 80	c/o Assessors Office	---/---	1 Lot
93	2004 / 79	William W. Wright	W192 / 536	0.19
94	2004 / 81	Barbara & David Miller	1474 / 1187	0.50
95	2004 / 88	Amanda & REXANNE WEBB	1408 / 948	1.12
96	2004 / 100	Barbara E. Rowan	1265 / 1017	0.41
97	2004 / 100.1	Doran & REXANNE WEBB	1316 / 1292	0.79
98	466 / 28	Michael G. & Tina G. Davisson	1301 / 1009	1.00
99	466 / 27	Mary Richards	W118 / 904	3.25
100	466 / 31	Frank N. Wine, Jr. & III	1596 / 809	16.14
101	466 / 29	Michael G. & Tina G. Davisson	1301 / 1009	0.46
102	466 / 52	Frank N. Wine, Jr. & III	1596 / 809	46.40
103	466 / 25	Deena Hyde	1350 / 453	1.50
104	466 / 26	Mike Ross Inc. and Waco Oil & Gas	1350 / 1019	1.50
105	466 / 43	Jordan's Land & Rentals, LLC	1586 / 590	0.25
106	466 / 46	Van & Karen S. Groves	1237 / 955	0.66
107	466 / 45	Van & Karen S. Groves	1237 / 955	0.50
108	466 / 48	Chad E. & Jennifer Metz	1334 / 744	0.05
109	466 / 47	Chad E. & Jennifer Metz	1334 / 744	0.50
110	466 / 49	James & Lisa D. Himes	1278 / 346	3.63
111	466 / 51	Ronald Coffindaffer	1535 / 112	3.86
112	466 / 50	Ronald Coffindaffer	1535 / 112	1.09
113	466 / 63	Ronald D. Coffindaffer, II, et al	1511 / 1100	2.20
114	466 / 66	Robert & Kristi Richards	1328 / 1237	4.98
115	466 / 62	Michael & Joann Bowman	1133 / 738	1.02
116	466 / 61	Theodore J. Peirne	1211 / 990	1.51
117	466 / 60	Frank N. Wine, Jr. & III	1596 / 809	42.04
Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
118	9C / 32.1	Leonard D. Drake, et ux	384 / 291	2.38
119	9C / 32.2	Michael Lowell Roberts, Jr.	529 / 319	2.54
120	9C / 38	Leonard D. Drake	480 / 284	106.15
121	9C / 27	S. Thomas & Esther M. Bond	577 / 328	225.25

FILE NO: 296-36-G-18
DRAWING NO: Neel 1207 S-12H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
CORS, Bridgeport, WV



DATE: August 21 2020
OPERATOR'S WELL NO. Neel 1207 S-12H
API WELL NO
47 - 033 - 05977
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,344' WATERSHED: Middle West Fork Creek
DISTRICT: Grant
SURFACE OWNER: Hubert E. & Sandra K. Neel
ROYALTY OWNER: Dora B. McWhorter, et al, et al LEASE NO: ACREAGE: 103.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BH 7,145' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 23,061' 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