



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, May 9, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for Schoen 1205 N-4H
47-033-06011-00-00

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 written over a white background.

James A. Martin
Chief

Operator's Well Number: Schoen 1205 N-4H
Farm Name: George and Roseanne Schoen
U.S. WELL NUMBER: 47-033-06011-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/9/2022

Promoting a healthy environment.

05/13/2022

4703306011

WW-6B
(04/15)

API NO. 47- _____
OPERATOR WELL NO. Schoen 1205 N-4H
Well Pad Name: Schoen 1205

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

1) Well Operator: HG Energy II Appalachia, L

<u>494519932</u>	<u>Harrison</u>	<u>Grant</u> ✓	<u>Mount Clare 7.5'</u>
Operator ID	County	District	Quadrangle

2) Operator's Well Number: Schoen 1205 N-4H Well Pad Name: Schoen 1205

3) Farm Name/Surface Owner: George Schoen Public Road Access: McWhorter Road / SR25

4) Elevation, current ground: 1410' Elevation, proposed post-construction: 1407'

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

Other _____

(b) If Gas Shallow Deep _____

Horizontal

*Saw
3/30/2022*

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 7214' / 7315' and 101' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7240' ✓

9) Formation at Total Vertical Depth: Marcellus ✓

10) Proposed Total Measured Depth: 24,172' ✓

11) Proposed Horizontal Leg Length: 16,149' ✓

12) Approximate Fresh Water Strata Depths: 135', 480', 640', 728' ✓

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

14) Approximate Saltwater Depths: 1730, 1780, 2010 ✓

15) Approximate Coal Seam Depths: 501, 650', 730', 736' (Surface casing is being extended to cover the coal in the DTI Storage Field)

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

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

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

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WW-6B
(04/15)

API NO. 47- _____
OPERATOR WELL NO. Schoen 1205 N-4H
Well Pad Name: Schoen 1205

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	1200'	1200' ✓	40% excess, CTS
Intermediate 1	13 3/8"	NEW	J-55	68	2100'	2100' ✓	40% excess, CTS
Intermediate 2	9 5/8"	NEW	J-55	40	2950'	2950' ✓	40% excess tail, CTS
Production	5 1/2"	NEW	P-110	23	24172'	24172' ✓	20% excess tail, CTS
Tubing							
Liners							

*SDW
3/30/2022*

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	Load 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Load 40% excess, Tail 0% Excess Load
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	30% excess yield = 1.10, tail yield 1.04, CTS
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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WW-6B
(10/14)

API NO. 47- _____ - _____
OPERATOR WELL NO. Schoen 1205 N-4H
Well Pad Name: Schoen 1205

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 7240 feet. Drill horizontal leg to estimated 16,149' lateral length, 24,172' 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): 29.485 acres

22) Area to be disturbed for well pad only, less access road (acres): 9.246 acres

23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing.
Freshwater - centralized every 3 joints to surface.
Coal - Bow Spring on every joint, will also be running ACP for isolating storage zone.
Intermediate - 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 -NA, Casing to be drilled in w/ Dual Rotary Rig.
Fresh Water - 15.9 ppg PNE-1 + 3% bwoc CaCl₂ 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl 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 MPA170Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% ExcessLead Yield=1.19Tail Yield=1.94CTS

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.
Fresh Water - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.
Coal - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.
Intermediate - 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.



1205 N-4H
 Marcellus Shale Horizontal
 Harrison County, WV

4703306011

Ground Elevation		1205 N-4H SHL		1205 N-4H LP		1205 N-4H BHL		1205 N-4H SHL		1205 N-4H LP		1205 N-4H BHL	
Azim		1407.3'		338.442 / 341.116°		1407.3'		338.442 / 341.116°		1407.3'		338.442 / 341.116°	
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS			
	30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness			
	24"	20" 94# J-55	Fresh Water	0	135, 480, 640, 728	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 = 0.433" wall thickness Burst=2110 psi			
	17.5"	13-3/8" 68# J-55 BTC	Coal	730	736								
			Surface / FW	0	1200								
			Little/Big Lime	1457 / 1510	1462 / 1556	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			
	12.25"	9-5/8" 40# J-55 BTC	Intermediate 1	0	2100								
			Fifty / Thirty Foot	1993 / 2112	2093 / 2147	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			
		8.75" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3028	3152	9.0ppg SOBIM	Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170	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		
				Bradford	3342	3357							
		8.5" Curve	P-110 HP CDC HTQ	Benson	4420	4455							
Rhinestreet				5872	6549								
8.5" Lateral		P-110 HP CDC HTQ	Cashaqua	6549	6740								
			Middlesex	6740	6670	11.5ppg-12.5ppg SOBIM	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=1.84 CTS	Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.					
			West River	6870	7003								
			Burkett	7003	7048								
8.5" Lateral		P-110 HP CDC HTQ	Tully Limestone	7048	7149								
			Hamilton	7149	7214								
8.5" Lateral	P-110 HP CDC HTQ	Marcellus	7214	7315									
		TMD / TVD (Production)	24172	7240	11.5ppg-12.5ppg SOBIM								
8.5" Lateral	P-110 HP CDC HTQ	Onondaga	7315										

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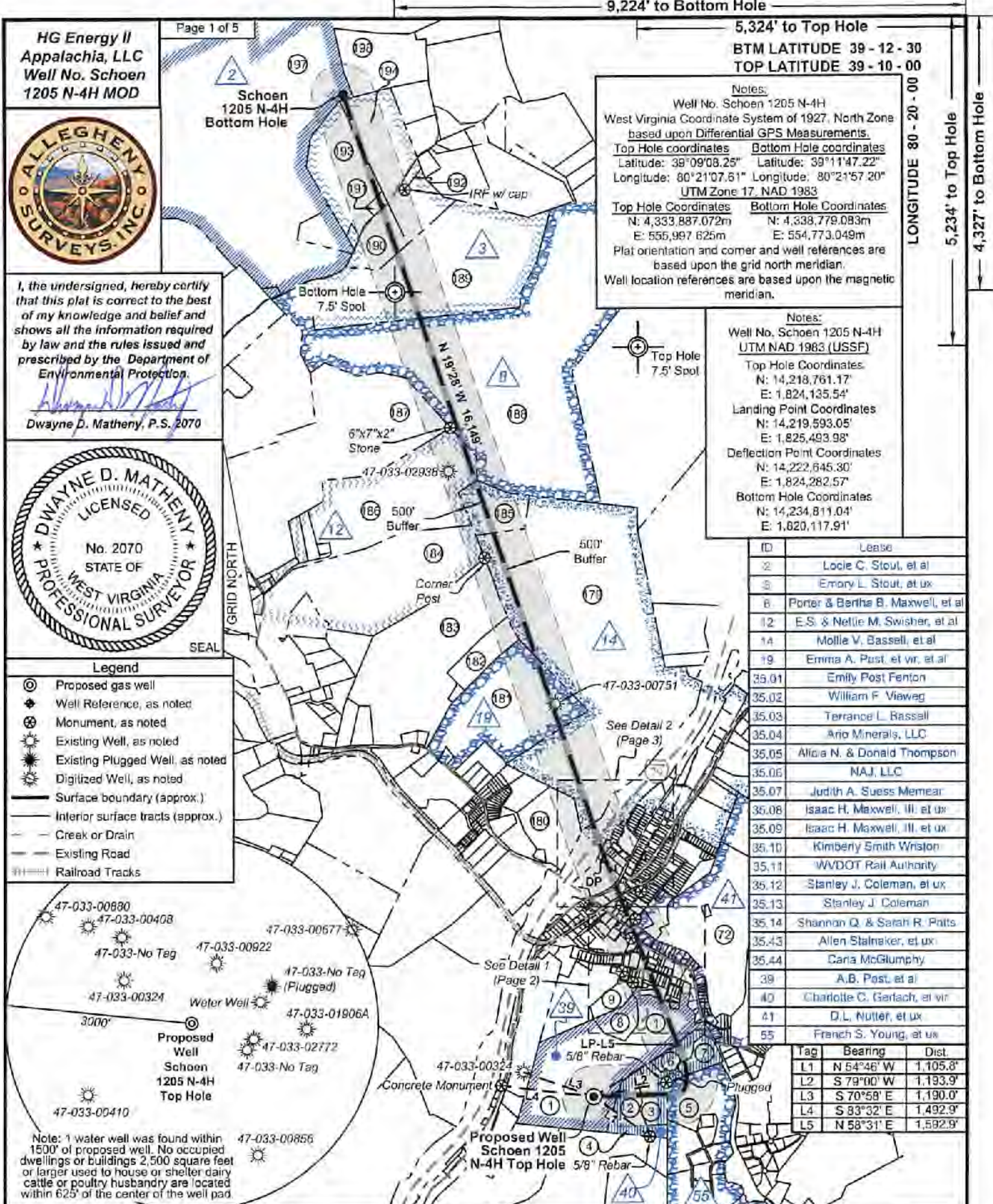
TD @ +/-7240' TVD
 +/-24172' MD

+/-16149' ft Lateral

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

LP @ 7240' TVD / 8023' MD

05/13/2022



HG Energy II
Appalachia, LLC
Well No. Schoen
1205 N-4H MOD



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



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



Notes:
Well No. Schoen 1205 N-4H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.

Top Hole coordinates	Bottom Hole coordinates
Latitude: 39°09'08.25"	Latitude: 39°11'47.22"
Longitude: 80°21'07.61"	Longitude: 80°21'57.20"
UTM Zone 17, NAD 1983	
Top Hole Coordinates	Bottom Hole Coordinates
N: 4,333,887.072m	N: 4,338,779.083m
E: 555,997.625m	E: 554,773.049m

Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Notes:
Well No. Schoen 1205 N-4H
UTM NAD 1983 (USSF)

Top Hole Coordinates
N: 14,218,761.17'
E: 1,824,135.54'
Landing Point Coordinates
N: 14,219,593.05'
E: 1,825,493.98'
Deflection Point Coordinates
N: 14,222,645.30'
E: 1,824,282.57'
Bottom Hole Coordinates
N: 14,234,811.04'
E: 1,820,117.91'

ID	Lease
2	Loie C. Stout, et al
5	Emory L. Stout, et ux
8	Porter & Bertha B. Maxwell, et al
12	E.S. & Nellie M. Swisher, et al
14	Mollie V. Bassell, et al
19	Emma A. Post, et vir, et al
35.01	Emily Post Fenton
35.02	William F. Vieweg
35.03	Terrance L. Bassall
35.04	Ario Minerals, LLC
35.05	Alicia N. & Donald Thompson
35.06	NAJ, LLC
35.07	Judith A. Sues Memear
35.08	Isaac H. Maxwell, III, et ux
35.09	Isaac H. Maxwell, III, et ux
35.10	Kimberly Smith Wrisjon
35.11	WVDOT Rail Authority
35.12	Stanley J. Coleman, et ux
35.13	Stanley J. Coleman
35.14	Shannon Q. & Sarah R. Potts
35.43	Allen Stalnsker, et ux
35.44	Carla McGlumphy
39	A.B. Post, et al
40	Charlotte C. Gerlach, et vir
41	D.L. Nutter, et ux
55	French S. Young, et ux

Tag	Bearing	Dist.
L1	N 54°46' W	1,105.8'
L2	S 79°00' W	1,193.9'
L3	S 70°58' E	1,190.0'
L4	S 83°32' E	1,492.9'
L5	N 58°31' E	1,592.9'

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N4H 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: March 21 2022
OPERATOR'S WELL NO. Schoen 1205 N-4H
API WELL NO. M401
47 - 033 - 06011
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Union

SURFACE OWNER: George & Rosanne Schoen
ROYALTY OWNER: Willa Post Robey, et al

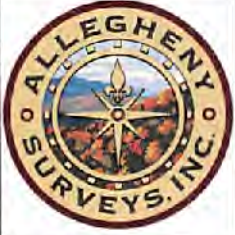
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,232' TVD 24,172' 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

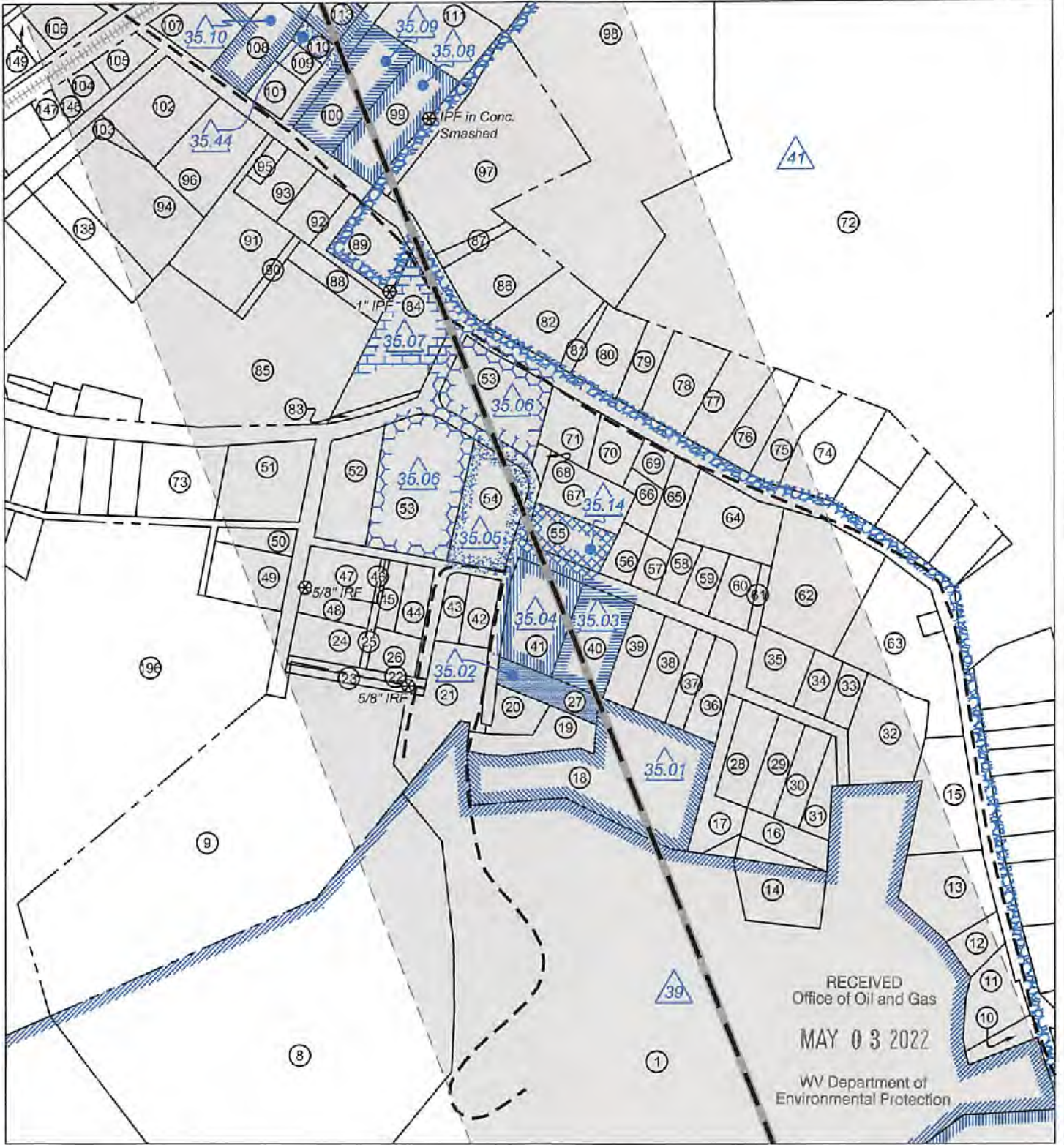
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QUADRANGLE: Top: Mount Clare Btm: West Millford
COUNTY: Boone
ACREAGE: 65.00
LEASE NO: ACREAGE: 78.20



**HG Energy II
Appalachia, LLC
Well No. Schoen
1205 N-4H MOD**

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Detail 1 (NTS)



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FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N4H 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: March 21 2022
OPERATOR'S WELL NO. Schoen 1205 N-4H
API WELL NO. MO01
47 - 033 - 06011
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Union

Top: Mount Clare
QUADRANGLE: Btm: West Milford
COUNTY: Putnam
ACREAGE: 65.00

SURFACE OWNER: George & Rosanne Schoen

ROYALTY OWNER: Willa Post Robey, et al

LEASE NO: _____ ACREAGE: 78.20

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,172' MD

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

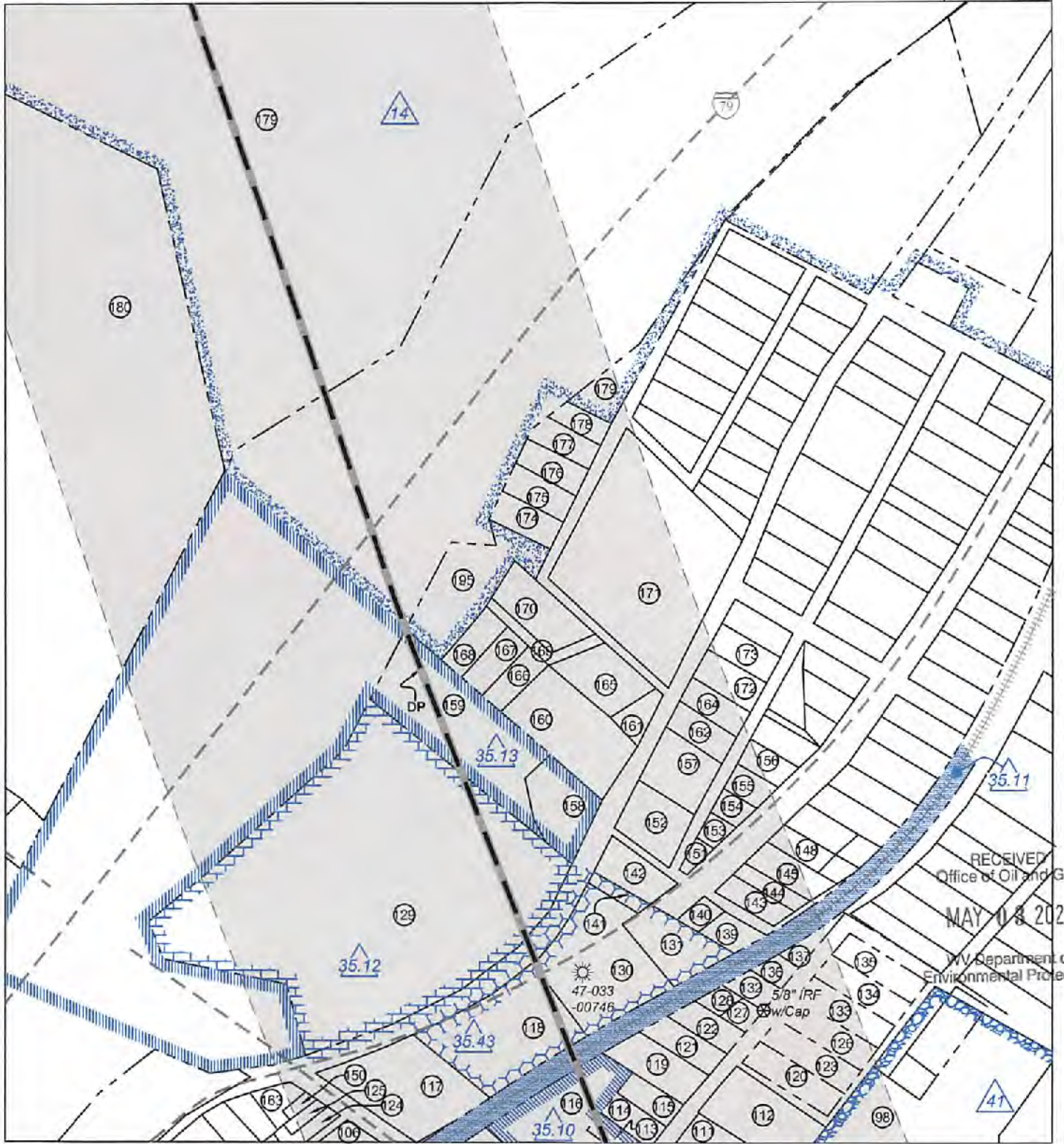
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101



**HG Energy II
 Appalachia, LLC
 Well No. Schoen
 1205 N-4H MOD**

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Detail 2 (NTS)



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FILE NO: 32-36-G-19
 DRAWING NO: Schoen 1205 N4H 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: March 21 2022
 OPERATOR'S WELL NO. Schoen 1205 N-4H
 API WELL NO. MOD1
 47 - 033 - 06011
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
 DISTRICT: Grant / Union
 SURFACE OWNER: George & Rosanne Schoen
 ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD 7,232' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,172' MD

Top: Mount Clare
 QUADRANGLE: Btm: West Milford
 COUNTY: Putnam
 ACREAGE: 65.00

05/13/2022

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



**HG Energy II
Appalachia, LLC
Well No. Schoen
1205 N-4H MOD**

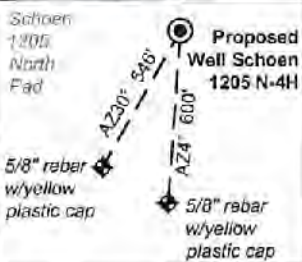
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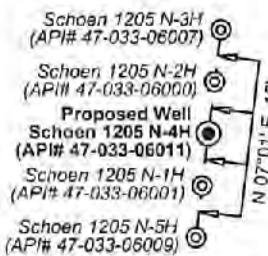
MAY 03 2022

WV Department of
Environmental Protection

**Well Location References
Not to Scale**



Wellhead Layout (INTS)



No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 2	George & Roseanne Schoen	1148 / 1059	65.00
2	447 / 3	George & Roseanne Schoen	1253 / 302	10.06
3	447 / 3.4	Stephen M. & Kimberly Goff	1257 / 189	7.87
4	447 / 3.5	Charlotte Gerlach	1288 / 503	1.35
5	447 / 4.11	Joseph & Karen Bowers	1295 / 887	21.87
6	447 / 3.3	Charlotte C. Gerlach	1070 / 1041	6.10
7	447 / 3.2	Michael Tillman & Mary Hencke	1257 / 193	5.86
8	447 / 1	Dale H. Jordan	1437 / 672	6.70
9	427 / 32	Dale Jordan	1437 / 672	4.85
10	2105 / 123	Helen J. Vernon	W189 / 892	0.06
11	2105 / 115	Eugebe R. & Sharron L. Smith	1039 / 160	0.18
12	2105 / 114	Eugene R. & Sharon L. Smith	1039 / 160	0.27
13	2105 / 113	Roberts A. & Ruby A. Marks	1251 / 504	0.39
14	2105 / 111	Robert M. & Connie J. Lewis	1518 / 814	0.45
15	2105 / 40	Robert A. & Ruby A. Marks	1251 / 504	0.52
16	2105 / 110	Herman Suttle, et al	1345 / 1030	0.21
17	2105 / 105	Ronald Maxwell	1580 / 1167	—
18	2105 / 93	Joshua Burner & Nicole Hebb	1417 / 1075	1.39
19	2105 / 84	Joshua & Nicole Burner	1460 / 692	0.11
20	2105 / 95	Joseph Swick	1460 / 694	0.17
21	2105 / 89	James Frank Roby, et al	1491 / 941	0.50
22	2105 / 127	Dale Jordan	1626 / 1024	0.07
23	2105 / 128	Dale Jordan	1505 / 430	0.07
24	2105 / 82	Dale Jordan	1626 / 1024	0.11
25	2105 / 126	Dale Jordan	1626 / 1024	0.05
26	2105 / 83	Dale Jordan	1626 / 1024	0.15
27	2105 / 96	David B. & Thresa G. Davis	1263 / 196	0.20
28	2105 / 106	Ronald Maxwell	1580 / 1167	0.26
29	2105 / 107	Ronald Maxwell	1580 / 1167	0.20
30	2105 / 108	Ronald Maxwell	1580 / 1167	0.20
31	2105 / 109	Herman Suttle, et al	1345 / 1030	0.14
32	2105 / 39	Carol S. Bennett	1382 / 250	0.54
33	2105 / 38	Carol S. Bennett	1382 / 250	0.13
34	2105 / 37	Carol S. Bennett	1382 / 250	0.14
35	2105 / 35	Benjamin S. Yoke, et al	1544 / 1241	0.26
36	2105 / 104	Joshua R. & Stephanie L. Stalder	1525 / 989	0.23
37	2105 / 103	Joshua R. & Stephanie L. Stalder	1525 / 989	0.20
38	2105 / 102	Joshua R. & Stephanie L. Stalder	1525 / 989	0.20
39	2105 / 101	Joshua R. & Stephanie L. Stalder	1525 / 989	0.20
40	2105 / 100	Jeffrey A. Bassell, et al	W190 / 188	0.40

No.	TM / Par	Owner	Bk / Pg	Ac.
41	2105 / 97	Traci I. Tharp	1580 / 188	0.44
42	2105 / 87	David G. & Mary E. Short	1328 / 845	0.14
43	2105 / 86	David G. & Mary E. Short	1328 / 845	0.13
44	2105 / 85	Dale Jordan	1626 / 1024	0.11
45	2105 / 84	Dale Jordan	1626 / 1024	0.11
46	2105 / 125	Kenny J. & Randi E. Welch	1633 / 147	0.01
47	2105 / 78	Kenny J. & Randi E. Welch	1633 / 147	0.22
48	2105 / 80	Dale Jordan	1626 / 1024	0.11
49	2104 / 103	Daniel L. & Carla Ann Toothman	1436 / 151	0.32
50	2104 / 101	Willis Gene Kennedy	1412 / 590	0.14
51	2104 / 98	Willis Gene Kennedy	1412 / 590	0.54
52	2105 / 24	Charles M. & Joyce L. Hall	1364 / 280	0.40
53	2105 / 13	NAJ, LLC	1514 / 281	1.38
54	2105 / 13.1	Rodney K. Cooper, Sr., et al	W198 / 852	0.53
55	2105 / 28	Rebecca D. Stafford	1462 / 259	0.28
56	2105 / 29	Jeffrey A. Bassell, et al	W190 / 188	0.13
57	2105 / 30	Jeffrey A. Bassell, et al	W190 / 188	0.11
58	2105 / 31	William B. & Amy M. Messenger	1324 / 983	0.13
59	2105 / 32	William B. & Amy M. Messenger	1324 / 983	0.13
60	2105 / 33	Tracey R. Beall	1344 / 1213	0.19
61	2105 / 34	Tracey R. Beall	1344 / 1213	0.06
62	2105 / 18	Tracey R. Beall	1344 / 1213	0.80
63	2105 / 19	Town of Lost Creek	1110 / 460	1.01
64	2105 / 17	Town of Lost Creek	1110 / 505	—
65	2105 / 18.1	Lisa K. Maxwell	1515 / 823	0.19
66	2105 / 16	Ruth A. Backwell	1655 / 1214	0.25
67	2105 / 27	Shannon Q. & Sarah R. Pitts	1333 / 203	0.38
68	2105 / 26	Shannon Q. & Sarah R. Pitts	1333 / 203	—
69	2105 / 16.2	Town of Lost Creek	1400 / 1227	0.25
70	2105 / 15	Town of Lost Creek	1110 / 473	—
71	2105 / 14	David A. & Linda J. Fultner	1487 / 325	0.18
72	427 / 33	Isaac & Betty Maxwell	1539 / 141	72.00
73	2104 / 96	Virginia May Harding	1054 / 1006	0.35
74	2105 / 6	Jimmie Langford Groves	1315 / 47	0.38
75	2105 / 5	Pamela & Stacy Ash Dutton	1388 / 865	0.33
76	2105 / 4	Sherman Riffle	1438 / 1331	0.27
77	2105 / 2	Sherman Riffle	1438 / 1331	0.71
78	2105 / 2.2	Gary Jones	1506 / 332	0.25
79	2105 / 2.1	Gary Jones	1506 / 332	0.17
80	2105 / 1	Gary Jones	1506 / 332	0.63
81	2103 / 176.2	Gary Jones	1506 / 332	0.05
82	2103 / 176.1	Patricia Booth	1301 / 834	0.46
83	2104 / 29.1	Walter Nutter	W154 / 30	—
84	2104 / 29	Keth E. Unger	1558 / 577	0.72
85	2104 / 39	Lost Creek UMC	1327 / 242	3.39
86	2103 / 176	Daniel T. & Lisa Booth	1311 / 899	0.43
87	2103 / 175	Daniel T. & Lisa Booth	1311 / 899	—
88	2104 / 28	Lisa I. Wageman	1239 / 457	0.06
89	2104 / 12	Parsons Ridge, LLC	1358 / 569	0.31
90	2104 / 27	Lost Creek UMC	786 / 520	—
91	2104 / 26	Trustees MP Church	144 / 447	—
92	2104 / 11	Lisa Wageman	1239 / 457	0.18
93	2104 / 10	George W. Dawson	1418 / 331	0.19
94	2104 / 25	Lost Creek UMC	1327 / 159	0.55
95	2104 / 9	Southern Area Library Inc.	1149 / 42	0.05
96	2104 / 8	Sharon Carol Smith	1286 / 730	0.44
97	2103 / 174	Betty Jean Maxwell	1315 / 502	1.50
98	2103 / 162	Betty Jean Maxwell	1315 / 502	4.20
99	2103 / 173	Issac & Betty Maxwell	1327 / 238	0.58
100	2103 / 172	Issac & Betty Maxwell	1428 / 684	0.50

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N4H 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: March 21 2022
OPERATOR'S WELL NO. Schoen 1205 N-4H
API WELL NO. 47-033-06011
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top. Mount Clare
Btm. West Milford

DISTRICT: Grant / Union

COUNTY: Boone

SURFACE OWNER: George & Rosanne Schoen

ACREAGE: 65.00

ROYALTY OWNER: Willa Post Robey, et al

LEASE NO: ACREAGE: 78.20

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,232' TVD
24,172' 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
Well No. Schoen
1205 N-4H MOD**

Page 5 of 5

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WV Department of
Environmental Protection

No.	TM / Par	Owner	Bk / Pg	Ac.
101	2103 / 171.1	Dennis W. & Rose M. Chamberlain	1491 / 105	0.16
102	2104 / 7	Harrison County Bank	1064 / 1081	0.46
103	2104 / 25.1	Harrison County Bank	1067 / 224	0.13
104	2104 / 21	Associated Pharmacists	1362 / 948	0.10
105	2104 / 6	Town of Lost Creek	1398 / 283	—
106	2104 / 5	Sue Bennett	1132 / 132	0.29
107	2103 / 169	Chamberlain Brothers, Inc.	1206 / 1226	0.24
108	2103 / 170.1	Kimberly & Sharon Wriston	W83 / 97	0.29
109	2103 / 171	Carla McGlumphy	1398 / 55	0.09
110	2103 / 164	Carla McGlumphy	1398/55	0.06
111	2103 / 167	Timothy Maxwell	1541 / 298	0.50
112	2103 / 161	Cathy D. Bennett	F115 / 867	0.51
113	2103 / 164.1	Kimberly P. Smith, et al	1064 / 787	0.17
114	2103 / 165	Cathy D. Bennett	F115 / 867	0.12
115	2103 / 166	Cathy D. Bennett	F115 / 867	0.12
116	2103 / 170	Kimberly Wriston, et al	W87 / 97	0.54
117	2103 / 168	Chamberlain Brothers Inc.	1206 / 1228	0.75
118	2103 / 163	Chamberlain Brothers Inc.	1206 / 1228	0.79
119	2103 / 152	Cathy D. Bennett	F115 / 867	0.26
120	2103 / 160	Amanda Nutter	1437 / 204	0.21
121	2103 / 153	Jerry A. Hebb, et al	1307 / 78	0.16
122	2103 / 154	Barbara Jo Butcher	1446 / 539	0.13
123	2103 / 159	Brian Riffle	1507 / 119	0.20
124	2104 / 4	Carol S. Bennett	1592 / 290	0.07
125	2104 / 3	Town of Lost Creek	1110 / 493	—
126	2103 / 158	Sharon L. Smith, et al	F96 / 94	0.20
127	2103 / 155.1	Barbara Jo Butcher	1446 / 539	0.06
128	2103 / 155	Sharon L. Smith, et al	F96 / 94	—
129	427 / 26	Stanley & Marilyn Coleman	1235 / 37	5.57
130	2103 / 150	Darrell W. & Kathryn Goldsmith	1314 / 124	1.01
131	2103 / 180.1	John & Beth Elko	1358 / 806	0.31
132	2103 / 156	Mark Alen Duty	1581 / 305	0.05
133	2103 / 147	Sharon Smith, et al	F96 / 94	0.20
134	2103 / 133	Sharon Smith, et al	F96 / 94	0.19
135	2103 / 134	Kathryn Lynn Goldsmith, et al	1630 / 492	0.19
136	2103 / 146	Joshua Cogar, et al	W174 / 683	0.04
137	2103 / 132	Joshua Cogar, et al	W174 / 683	—
138	2104 / 39.1	Lost Creek UMC	1327 / 159	0.31
139	2103 / 145	Joshua Cogar	W174 / 683	0.11
140	2103 / 144	Joshua T. Cogar	1476 / 90	0.07
141	2103 / 149.1	Erika Langford & Aimee Ziemann	1597 / 972	0.07
142	2103 / 143	Erika Langford & Aimee Ziemann	1597 / 972	0.16
143	2103 / 131	Joshua Cogar	1476 / 90	0.13
144	2103 / 130	Joshua Cogar	W174 / 683	0.13
145	2103 / 129	Joshua Cogar	W174 / 683	0.19
146	2104 / 22	Associated Pharmacists	1362 / 948	0.04
147	2104 / 23	Associated Pharmacists	1362 / 948	0.07
148	2103 / 127	David & Brenda Cogar	1516 / 166	0.13
149	2104 / 20	Susan Randall, et al	W111 / 841	0.07
150	2104 / 2	Denny W. Chamberlain	1436 / 1170	0.03

No.	TM / Par	Owner	Bk / Pg	Ac.
151	2103 / 121	David N. Daugherty	1499 / 649	0.03
152	2103 / 120	David N. Daugherty	1367 / 808	0.30
153	2103 / 122	David N. Daugherty	1499 / 649	0.05
154	2103 / 123	Randall B. Burrows, Jr.	1549 / 737	0.07
155	2103 / 124	Susan E. Desjardins	1864 / 73	0.08
156	2103 / 111	Susan E. Desjardins	1864 / 73	0.11
157	2103 / 119	David N. Daugherty	1423 / 404	0.30
158	427 / 26.1	Everett & Richard Casto	1350 / 822	0.34
159	427 / 26.3	Harold & Wilford Vanhorn	1230 / 301	1.03
160	2103 / 118	Judith Vanhorn	1428 / 1118	0.60
161	2103 / 109.1	Betty & Emerson Vanhorn	1601 / 43	0.10
162	2103 / 110	Board of Education	376 / 483	0.14
163	2104 / 1	Denny W. Chamberlain	1436 / 1170	0.13
164	2103 / 101	Board of Education	376 / 483	0.14
165	2103 / 108	Emerson & Betty Vanhorn	1601 / 43	0.32
166	2103 / 117	David A. & Vanessa L. Fisher	1083 / 778	0.14
167	2103 / 116	David A. & Vanessa L. Fisher	1083 / 778	0.14
168	2103 / 115	David A. & Vanessa L. Fisher	1083 / 778	0.14
169	2103 / 178	David & Vanessa Fisher	1108 / 565	0.12
170	2103 / 106	David A. & Vanessa L. Fisher	1083 / 778	0.31
171	2103 / 77	Board of Education	240 / 114	1.90
172	2103 / 95	Steve & Gwen Lake	1268 / 659	0.15
173	2103 / 90	Rhonda Martin	1551 / 277	0.14
174	2103 / 89	Board of Education	593 / 315	0.13
175	2103 / 83	Board of Education	593 / 315	0.13
176	2103 / 76	Board of Education	593 / 315	0.13
177	2103 / 69	Board of Education	593 / 315	0.13
178	2103 / 62	Board of Education	593 / 315	0.13
179	427 / 1	Walter E. Nutter & David H. Nutter	W154 / 301	228.23
180	426 / 62	Dorothy Dawson	W146 / 1062	16.13
181	426 / 36	George Wesley & Amy June Dawson	1310 / 247	81.96
182	426 / 35.5	Lost Creek Salvage LLC	1503 / 933	11.53
183	426 / 35.8	Lost Creek Salvage LLC	539 / 1088	85.23
184	426 / 12	Annette J. Cobun	1498 / 38	84.79
185	406 / 48	Annette J. Cobun	1496 / 39	15.43
186	406 / 47	Annette J. Cobun	1498 / 39	72.13
187	406 / 24	Clearneca H. Ford, II & Connie Ferguson	414 / 352	160.49
188	406 / 25	Isaac, III & Betty Jean Maxwell	1509 / 934	255.21
189	406 / 27	James Stout	W161 / 306	43.50
190	406 / 10	Forest Haymond	350 / 96	45.00
191	406 / 10.1	Forest Haymond	1306 / 1105	32.27
192	406 / 12.1	David S. Cale, et al	1618 / 1125	1.33
193	406 / 10.1	Forest Haymond	1306 / 1105	32.27
194	406 / 11	Mildred Stout	1138 / 993	44.80
195	427 / 26.2	David A. & Vanessa L. Fisher	1101 / 533	13.75
196	427 / 31	Willis G. Kennedy	1412 / 590	18.60
197	406 / 9	John L. & Mary E. Stenger	1580 / 205	309.00
198	386 / 125	Sherry L. Ricketts	W144 / 1014	27.69

FILE NO: 32-36-G-19

DRAWING NO: Schoen 1205 N4H 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: March 21 2022

OPERATOR'S WELL NO. Schoen 1205 N-4H

API WELL NO. N4H1

47 — 033 — 06011
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: Mount Clare
Btm: West Milford

DISTRICT: Grant / Union

COUNTY: **05/13/2022**

SURFACE OWNER: George & Rosanne Schoen

ACREAGE: 65.00

ROYALTY OWNER: Willa Post Robey, et al

LEASE NO: ACREAGE: 78.20

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD 7.232' TVD

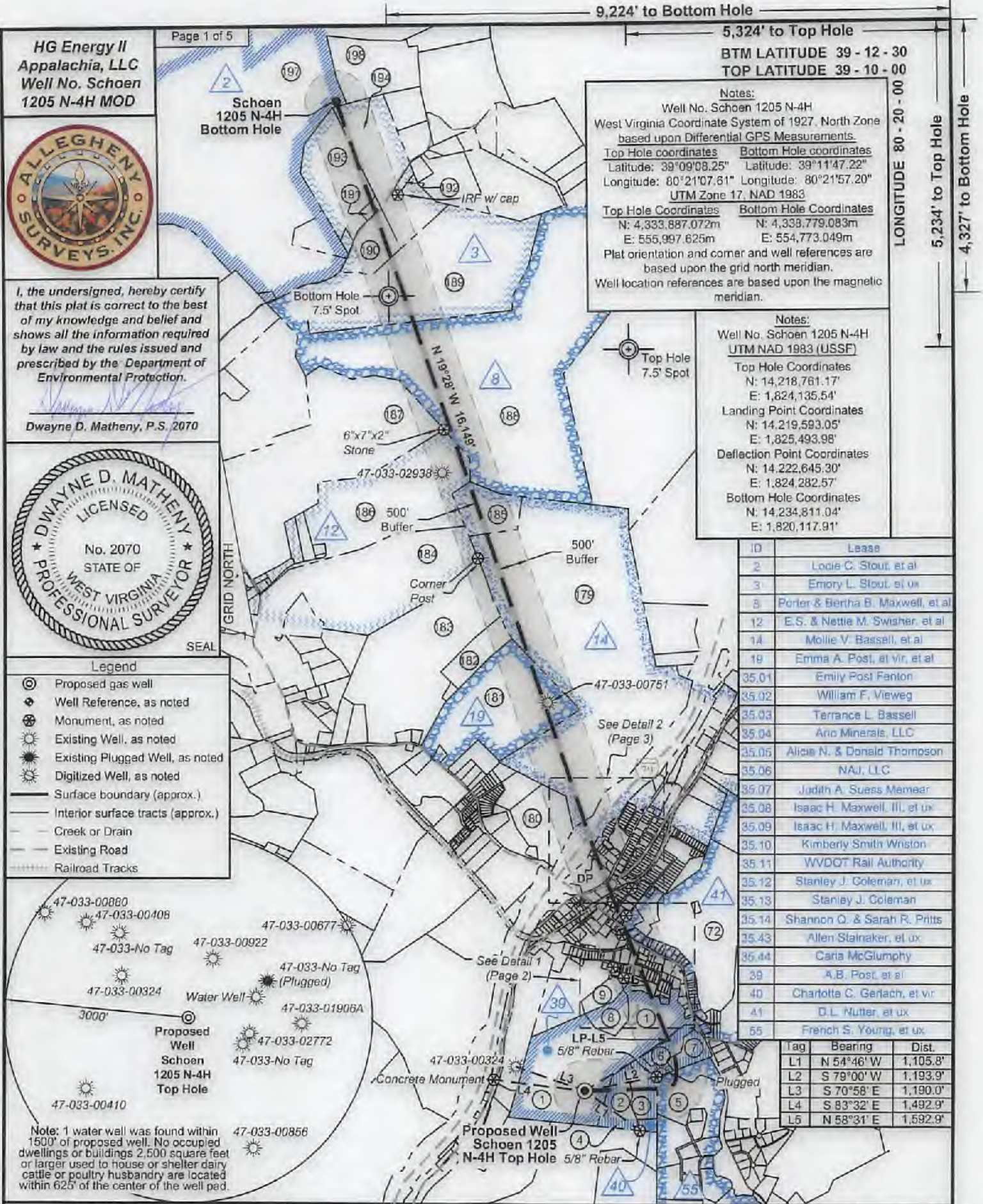
PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,172' MD

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



Page 1 of 5
HG Energy II Appalachia, LLC
 Well No. Schoen 1205 N-4H MOD

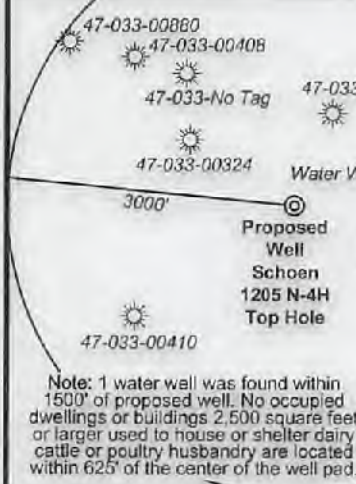


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny, P.S. 2070



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



9,224' to Bottom Hole
 5,324' to Top Hole
 BTM LATITUDE 39 - 12 - 30
 TOP LATITUDE 39 - 10 - 00

Notes:
 Well No. Schoen 1205 N-4H
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Top Hole coordinates Bottom Hole coordinates
 Latitude: 39°09'08.25" Latitude: 39°11'47.22"
 Longitude: 80°21'07.61" Longitude: 80°21'57.20"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,333,887.072m N: 4,338,779.083m
 E: 555,997.625m E: 554,773.049m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Notes:
 Well No. Schoen 1205 N-4H
 UTM NAD 1983 (USSF)
 Top Hole Coordinates
 N: 14,218,761.17'
 E: 1,824,135.54'
 Landing Point Coordinates
 N: 14,219,593.05'
 E: 1,825,493.98'
 Deflection Point Coordinates
 N: 14,222,645.30'
 E: 1,824,282.57'
 Bottom Hole Coordinates
 N: 14,234,811.04'
 E: 1,820,117.91'

ID	Lease
2	Lochie C. Stout, et al
3	Emory L. Stout, et al
8	Porter & Bertha B. Maxwell, et al
12	E.S. & Nettie M. Swisher, et al
14	Mollie V. Bassell, et al
19	Emma A. Post, et vir, et al
35.01	Emily Post Fenton
35.02	William F. Vieweg
35.03	Terrance L. Bassell
35.04	Aro Minerals, LLC
35.05	Alicia N. & Donald Thomson
35.06	NAJ, LLC
35.07	Judith A. Suess Member
35.08	Isaac H. Maxwell, III, et ux
35.09	Isaac H. Maxwell, III, et ux
35.10	Kimberly Smith Wriston
35.11	WV DOT Rail Authority
35.12	Stanley J. Coleman, et ux
35.13	Stanley J. Coleman
35.14	Shannon O. & Sarah R. Pritts
35.43	Allen Stalnaker, et ux
35.44	Carla McGlumphy
39	A.B. Post, et al
40	Charlotta C. Gerlach, et vir
41	D.L. Nutter, et ux
55	French S. Young, et ux

Tag	Bearing	Dist.
L1	N 54°46' W	1,105.8'
L2	S 79°00' W	1,193.9'
L3	S 70°58' E	1,190.0'
L4	S 83°32' E	1,492.9'
L5	N 58°31' E	1,592.9'

FILE NO: 32-36-G-19
 DRAWING NO: Schoen 1205 N4H 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: March 21 2022
 OPERATOR'S WELL NO. Schoen 1205 N-4H
 API WELL NO. H001
 47 - 033 - 06011
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
 DISTRICT: Grant / Union
 SURFACE OWNER: George & Rosanne Schoen
 ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,232' TVD
 24,172' 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

05/13/2022



**HG Energy II
 Appalachia, LLC
 Well No. Schoen
 1205 N-4H MOD**

Page 2 of 5

Detail 1 (NTS)



FILE NO: 32-36-G-19
 DRAWING NO: Schoen 1205 N4H 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: March 21, 2022
 OPERATOR'S WELL NO. Schoen 1205 N-4H
 API WELL NO. **Mod 1**
 47 - 033 - 06011
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek

DISTRICT: Grant / Union

SURFACE OWNER: George & Rosanne Schoen

ROYALTY OWNER: Willa Post Robey, et al

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

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD 7,232' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,172' MD

QUADRANGLE: Top: Mount Clare Btm: West Milford
 COUNTY: Boone
 ACREAGE: 65.00
 LEASE NO: ACREAGE: 78.20

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

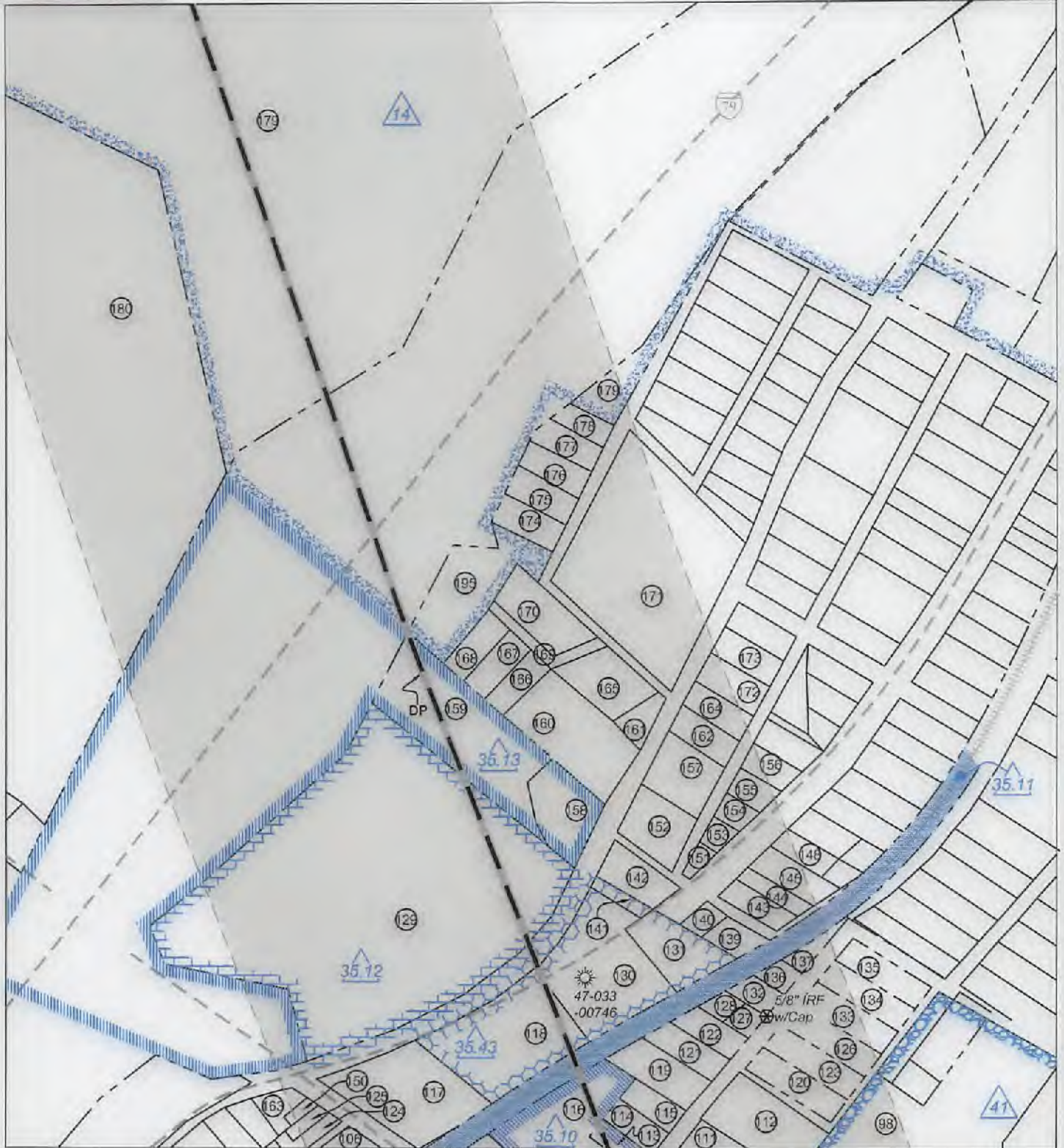
05/13/2022



**HG Energy II
 Appalachia, LLC
 Well No. Schoen
 1205 N-4H MOD**

Page 3 of 5

Detail 2 (NTS)



FILE NO: 32-36-G-19
 DRAWING NO: Schoen 1205 N4H 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: March 21 2022
 OPERATOR'S WELL NO. Schoen 1205 N-4H
 API WELL NO. MOD I
 47 - 033 - 06011
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek

QUADRANGLE: Top: Mount Clare
 Btm: West Milford

DISTRICT: Grant / Union

COUNTY: Boone

SURFACE OWNER: George & Rosanne Schoen

ACREAGE: 65.00

ROYALTY OWNER: Willa Post Robey, et al

LEASE NO: ACREAGE: 78.20

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD 7,232' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,172' 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

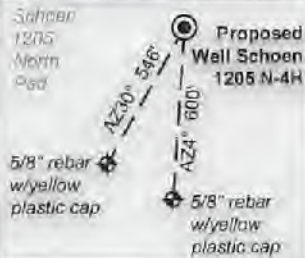
05/13/2022



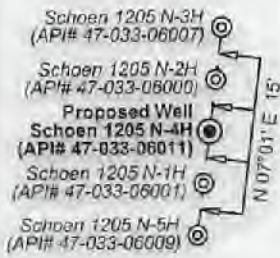
**HG Energy II
Appalachia, LLC
Well No. Schoen
1205 N-4H MOD**

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**Well Location References
Not to Scale**



Wellhead Layout (NTS)



No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 2	George & Roseanne Schoen	1148 / 1059	65.00
2	447 / 3	George & Roseanne Schoen	1253 / 302	10.06
3	447 / 3.4	Stephen M. & Kimberly Goff	1257 / 189	7.67
4	447 / 3.5	Charlotte Gerlach	1288 / 503	1.35
5	447 / 4.11	Joseph & Karen Bowers	1295 / 887	21.87
6	447 / 3.3	Charlotte C. Gerlach	1070 / 1041	6.10
7	447 / 3.2	Michael Tillman & Mary Hencke	1257 / 193	5.86
8	447 / 1	Dale H. Jordan	1437 / 672	6.70
9	427 / 32	Dale Jordan	1437 / 672	4.85
10	2105 / 123	Helen J. Vernon	W189 / 852	0.06
11	2105 / 115	Eugeba R. & Sharron L. Smith	1039 / 160	0.18
12	2105 / 114	Eugene R. & Sharon L. Smith	1039 / 160	0.27
13	2105 / 113	Roberts A. & Ruby A. Marks	1251 / 504	0.39
14	2105 / 111	Robert M. & Connie J. Lewis	1518 / 814	0.45
15	2105 / 40	Robert A. & Ruby A. Marks	1251 / 504	0.52
16	2105 / 110	Herman Suttle, et al	1345 / 1030	0.21
17	2105 / 105	Ronald Maxwell	1580 / 1167	---
18	2105 / 93	Joshua Burner & Nicole Hebb	1417 / 1075	1.38
19	2105 / 84	Joshua & Nicole Burner	1460 / 692	0.11
20	2105 / 95	Joseph Swick	1480 / 894	0.17
21	2105 / 69	James Frank Roby, et al	1491 / 941	0.50
22	2105 / 127	Dale Jordan	1626 / 1024	0.07
23	2105 / 128	Dale Jordan	1505 / 430	0.07
24	2105 / 82	Dale Jordan	1626 / 1024	0.11
25	2105 / 126	Dale Jordan	1626 / 1024	0.05
26	2105 / 83	Dale Jordan	1626 / 1024	0.15
27	2105 / 96	David B. & Thresa G. Davis	1263 / 196	0.20
28	2105 / 106	Ronald Maxwell	1580 / 1167	0.26
29	2105 / 107	Ronald Maxwell	1580 / 1167	0.20
30	2105 / 108	Ronald Maxwell	1580 / 1167	0.20
31	2105 / 109	Herman Suttle, et al	1345 / 1030	0.14
32	2105 / 39	Carol S. Bennett	1382 / 250	0.54
33	2105 / 38	Carol S. Bennett	1382 / 250	0.13
34	2105 / 37	Carol S. Bennett	1382 / 250	0.14
35	2105 / 35	Benjamin S. Yoke, et al	1544 / 1241	0.26
36	2105 / 104	Joshua R. & Stephanie L. Stalder	1525 / 989	0.23
37	2105 / 103	Joshua R. & Stephanie L. Stalder	1525 / 989	0.20
38	2105 / 102	Joshua R. & Stephanie L. Stalder	1525 / 989	0.20
39	2105 / 101	Joshua R. & Stephanie L. Stalder	1525 / 989	0.20
40	2105 / 100	Jeffrey A. Bassell, et al	W190 / 188	0.40

No.	TM / Par	Owner	Bk / Pg	Ac.
41	2105 / 97	Traci L. Tharp	1560 / 188	0.44
42	2105 / 87	David G. & Mary E. Short	1328 / 845	0.14
43	2105 / 86	David G. & Mary E. Short	1328 / 845	0.13
44	2105 / 85	Dale Jordan	1626 / 1024	0.11
45	2105 / 84	Dale Jordan	1626 / 1024	0.11
46	2105 / 125	Kenny J. & Randi E. Welch	1633 / 147	0.01
47	2105 / 78	Kenny J. & Randi E. Welch	1633 / 147	0.22
48	2105 / 80	Dale Jordan	1626 / 1024	0.11
49	2104 / 103	Daniel L. & Carla Ann Toothman	1436 / 161	0.32
50	2104 / 101	Willis Gene Kennedy	1412 / 590	0.14
51	2104 / 99	Willis Gene Kennedy	1412 / 590	0.54
52	2105 / 24	Charles M. & Joyce L. Hall	1364 / 260	0.40
53	2105 / 13	NAJ, LLC	1614 / 281	1.38
54	2105 / 13.1	Rodney K. Cooper, Sr., et al	W198 / 852	0.53
55	2105 / 28	Rebecca D. Stafford	1462 / 259	0.28
56	2105 / 29	Jeffrey A. Bassell, et al	W190 / 188	0.13
57	2105 / 30	Jeffrey A. Bassell, et al	W190 / 188	0.11
58	2105 / 31	William B. & Amy M. Messenger	1324 / 583	0.18
59	2105 / 32	William B. & Amy M. Messenger	1324 / 583	0.13
60	2105 / 33	Tracey R. Beall	1344 / 1213	0.19
61	2105 / 34	Tracey R. Beall	1344 / 1213	0.06
62	2105 / 18	Tracey R. Beall	1344 / 1213	0.80
63	2105 / 19	Town of Lost Creek	1110 / 480	1.01
64	2105 / 17	Town of Lost Creek	1110 / 505	---
65	2105 / 16.1	Lisa K. Maxwell	1515 / 823	0.19
66	2105 / 16	Ruth A. Backwell	1655 / 1214	0.25
67	2105 / 27	Shannon Q. & Sarah R. Pitts	1333 / 203	0.38
68	2105 / 26	Shannon Q. & Sarah R. Pitts	1333 / 203	---
69	2105 / 16.2	Town of Lost Creek	1400 / 1227	0.25
70	2105 / 15	Town of Lost Creek	1110 / 473	---
71	2105 / 14	David A. & Linda J. Fultner	1467 / 325	0.18
72	427 / 33	Issac & Betty Maxwell	1539 / 141	72.00
73	2104 / 96	Virginia May Harding	1054 / 1006	0.35
74	2105 / 6	Jimmie Langford Groves	1315 / 47	0.38
75	2105 / 5	Pamela & Stacy Ash Dutton	1388 / 885	0.33
76	2105 / 4	Sherman Riffle	1438 / 1331	0.27
77	2105 / 2	Sherman Riffle	1438 / 1331	0.71
78	2105 / 2.2	Gary Jones	1506 / 332	0.25
79	2105 / 2.1	Gary Jones	1506 / 332	0.17
80	2105 / 1	Gary Jones	1506 / 332	0.63
81	2103 / 176.2	Gary Jones	1506 / 332	0.05
82	2103 / 178.1	Patricia Booth	1301 / 834	0.46
83	2104 / 29.1	Walter Nutter	W154 / 30	---
84	2104 / 29	Keth E. Linger	1558 / 577	0.72
85	2104 / 39	Lost Creek UMC	1327 / 242	3.39
86	2103 / 176	Daniel T. & Lisa Booth	1311 / 899	0.43
87	2103 / 175	Daniel T. & Lisa Booth	1311 / 899	---
88	2104 / 28	Lisa I. Wageman	1239 / 457	0.08
89	2104 / 12	Parsons Ridge, LLC	1358 / 669	0.31
90	2104 / 27	Lost Creek UMC	786 / 520	---
91	2104 / 26	Trustees MP Church	144 / 447	---
92	2104 / 11	Lisa Wageman	1239 / 457	0.18
93	2104 / 10	George W. Dawson	1418 / 331	0.19
94	2104 / 25	Lost Creek UMC	1327 / 159	0.55
95	2104 / 9	Southern Area Library Inc.	1149 / 42	0.05
96	2104 / 8	Sharon Carol Smith	1286 / 730	0.44
97	2103 / 174	Betty Jean Maxwell	1315 / 502	1.50
98	2103 / 162	Betty Jean Maxwell	1315 / 502	4.20
99	2103 / 173	Issac & Betty Maxwell	1327 / 238	0.58
100	2103 / 172	Issac & Betty Maxwell	1428 / 684	0.50

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N4H 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: March 21, 2022
OPERATOR'S WELL NO. Schoen 1205 N-4H
API WELL NO. 47-033-06011
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Union

Top: Mount Clare
Btm: West Millford
QUADRANGLE: H6500
COUNTY: Boone
ACREAGE: 65.00

SURFACE OWNER: George & Rosanne Schoen

ROYALTY OWNER: Wila Post Robey, et al

LEASE NO. _____ ACREAGE: 78.20

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,232' TVD / 24,172' 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




**HG Energy II
Appalachia, LLC
Well No. Schoen
1205 N-4H MOD**

Page 5 of 5

No.	TM / Per	Owner	Bk / Pg	Ac.
101	2103 / 171.1	Dennis W. & Rose M. Chamberlain	1491 / 105	0.18
102	2104 / 7	Harrison County Bank	1064 / 1031	0.46
103	2104 / 25.1	Harrison County Bank	1067 / 224	0.13
104	2104 / 21	Associated Pharmacists	1362 / 948	0.10
105	2104 / 6	Town of Lost Creek	1398 / 283	—
106	2104 / 5	Sue Bennett	1132 / 132	0.29
107	2103 / 169	Chamberlain Brothers, Inc.	1206 / 1228	0.24
108	2103 / 170.1	Kimberly & Sharon Wriston	W83 / 97	0.29
109	2103 / 171	Carla McGlumphy	1398 / 55	0.09
110	2103 / 164	Carla McGlumphy	1398/55	0.06
111	2103 / 167	Timothy Maxwell	1541 / 298	0.50
112	2103 / 161	Cathy D. Bennett	F115 / 867	0.51
113	2103 / 164.1	Kimberly P. Smith, et al	1064 / 787	0.17
114	2103 / 165	Cathy D. Bennett	F115 / 867	0.12
115	2103 / 166	Cathy D. Bennett	F115 / 867	0.12
116	2103 / 170	Kimberly Wriston, et al	W87 / 97	0.54
117	2103 / 168	Chamberlain Brothers Inc.	1206 / 1228	0.75
118	2103 / 163	Chamberlain Brothers Inc.	1206 / 1228	0.79
119	2103 / 152	Cathy D. Bennett	F115 / 867	0.26
120	2103 / 160	Amanda Nutter	1437 / 204	0.21
121	2103 / 153	Jerry A. Hebb, et al	1307 / 78	0.16
122	2103 / 154	Barbara Jo Butcher	1446 / 539	0.13
123	2103 / 159	Brian Riffe	1507 / 119	0.20
124	2104 / 4	Carol S. Bennett	1582 / 290	0.07
125	2104 / 3	Town of Lost Creek	1110 / 493	—
126	2103 / 158	Sharon L. Smith, et al	F98 / 94	0.20
127	2103 / 195.1	Barbara Jo Butcher	1446 / 539	0.06
128	2103 / 155	Sharon L. Smith, et al	F98 / 94	—
129	427 / 26	Stanley & Marilyn Coleman	1236 / 37	5.57
130	2103 / 150	Darrell W. & Kathryn Goldsmith	1314 / 124	1.01
131	2103 / 150.1	John & Beth Elko	1358 / 608	0.31
132	2103 / 156	Mark Allen Duty	1581 / 305	0.05
133	2103 / 147	Sharon Smith, et al	F98 / 94	0.20
134	2103 / 133	Sharon Smith, et al	F98 / 94	0.19
135	2103 / 134	Kathryn Lynn Goldsmith, et al	1630 / 492	0.19
136	2103 / 146	Joshua Cogar, et al	W174 / 683	0.04
137	2103 / 132	Joshua Cogar, et al	W174 / 683	—
138	2104 / 39.1	Lost Creek UMC	1327 / 159	0.31
139	2103 / 145	Joshua Cogar	W174 / 683	0.11
140	2103 / 144	Joshua T. Cogar	1476 / 90	0.07
141	2103 / 149.1	Erika Langford & Aimee Ziemann	1597 / 972	0.07
142	2103 / 143	Erika Langford & Aimee Ziemann	1597 / 972	0.16
143	2103 / 131	Joshua Cogar	1476 / 90	0.13
144	2103 / 130	Joshua Cogar	W174 / 683	0.13
145	2103 / 129	Joshua Cogar	W174 / 683	0.19
146	2104 / 22	Associated Pharmacists	1362 / 948	0.04
147	2104 / 23	Associated Pharmacists	1362 / 948	0.07
148	2103 / 127	David & Brenda Cogar	1516 / 165	0.13
149	2104 / 20	Susan Randall, et al	W111 / 841	0.07
150	2104 / 2	Denny W. Chamberlain	1436 / 1170	0.03

No.	TM / Par	Owner	Bk / Pg	Ac.
151	2103 / 121	David N. Daugherty	1499 / 649	0.03
152	2103 / 120	David N. Daugherty	1367 / 808	0.30
153	2103 / 122	David N. Daugherty	1499 / 649	0.05
154	2103 / 123	Randall B. Burrows, Jr.	1549 / 737	0.07
155	2103 / 124	Susan E. Desjardins	1664 / 73	0.08
156	2103 / 111	Susan E. Desjardins	1684 / 73	0.11
157	2103 / 119	David N. Daugherty	1423 / 404	0.30
158	427 / 25.1	Everett & Richard Casto	1390 / 822	0.34
159	427 / 25.3	Harold & Wilford Vanhorn	1230 / 301	1.03
160	2103 / 118	Judith Vanhorn	1428 / 1118	0.60
161	2103 / 109.1	Bety & Emerson Vanhorn	1601 / 43	0.10
162	2103 / 110	Board of Education	376 / 483	0.14
163	2104 / 1	Denny W. Chamberlain	1436 / 1170	0.13
164	2103 / 101	Board of Education	376 / 483	0.14
165	2103 / 108	Emerson & Betty Vanhorn	1601 / 43	0.32
166	2103 / 117	David A. & Vanessa L. Fisher	1083 / 778	0.14
167	2103 / 116	David A. & Vanessa L. Fisher	1083 / 778	0.14
168	2103 / 115	David A. & Vanessa L. Fisher	1083 / 778	0.14
169	2103 / 178	David & Vanessa Fisher	1108 / 555	0.12
170	2103 / 106	David A. & Vanessa L. Fisher	1083 / 778	0.31
171	2103 / 77	Board of Education	240 / 114	1.90
172	2103 / 95	Steve & Gwen Lake	1288 / 659	0.15
173	2103 / 90	Rhonda Martin	1551 / 277	0.14
174	2103 / 89	Board of Education	593 / 315	0.13
175	2103 / 83	Board of Education	593 / 315	0.13
176	2103 / 76	Board of Education	593 / 315	0.13
177	2103 / 69	Board of Education	593 / 315	0.13
178	2103 / 62	Board of Education	593 / 315	0.13
179	427 / 1	Walter E. Nutter & David H. Nutter	W154 / 301	228.23
180	426 / 62	Dorothy Dawson	W148 / 1062	16.13
181	426 / 36	George Wesley & Amy June Dawson	1310 / 247	61.96
182	426 / 35.5	Lost Creek Salvage LLC	1503 / 933	11.53
183	426 / 35.8	Lost Creek Salvage LLC	539 / 1088	85.23
184	426 / 12	Annette J. Cobun	1496 / 38	84.79
185	406 / 48	Annette J. Cobun	1496 / 39	15.43
186	406 / 47	Annette J. Cobun	1496 / 39	72.13
187	406 / 24	Clearnece H. Ford, II & Connie Ferguson	414 / 352	180.49
188	406 / 25	Isaac, III & Betty Jean Maxwell	1509 / 934	255.21
189	406 / 27	James Stout	W161 / 308	43.50
190	406 / 10	Forest Haymond	350 / 96	45.00
191	406 / 10.1	Forest Haymond	1306 / 1105	32.27
192	406 / 12.1	David S. Gale, et al	1618 / 1125	1.33
193	406 / 10.1	Forest Haymond	1306 / 1105	32.27
194	406 / 11	Mildred Stout	1138 / 993	44.80
195	427 / 25.2	David A. & Vanessa L. Fisher	1101 / 533	13.75
196	427 / 31	Willis G. Kennedy	1412 / 590	18.60
197	406 / 9	John L. & Mary E. Stenger	1580 / 205	309.00
198	386 / 125	Sherry L. Ricketts	W144 / 1014	27.69

FILE NO: 32-36-G-19 DRAWING NO: Schoen 1205 N4H 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: March 21, 2022 OPERATOR'S WELL NO. Schoen 1205 N-4H API WELL NO. 47-033-06011 STATE COUNTY PERMIT
WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL (IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> SHALLOW		
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen ROYALTY OWNER: Willa Post Robey, et al		Top: Mount Clare QUADRANGLE: Btm: West Milford COUNTY: Harrison ACREAGE: 65.00
PROPOSED WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH - MOD 7,232' TVD <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,172' MD		
WELL OPERATOR: HG Energy II Appalachia, LLC ADDRESS: 5260 Dupont Road Parkersburg, WV 26101		DESIGNATED AGENT: Diane C. White ADDRESS: 5260 Dupont Road Parkersburg, WV 26101

WW-6A1
(5/13)

Operator's Well No. Schoen 1205 N-4H

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

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

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

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

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

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

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

RECEIVED
Office of Oil and Gas
MAY 03 2022
WV Department of
Environmental Protection

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

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

MAY 03 2022

HG Energy II Appalachia, LLC - Schoen 1205 N-4H Lease Chains

1205 Tract	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	WV Department of Environmental Protection ROYALTY	DEED BOOK	PAGE
39	LC074399	12-0447-0001-0000 12-0447-0002-0000	Q100514000	A. B. POST, WIDOWER; P. S. ROBEY AND WILLA ROBEY, EACH IN HIS OWN RIGHT AS HUSBAND AND WIFE; ELLA LOUISE MAXWELL AND ISAAC H. MAXWELL, HER HUSBAND; FRANCES AND GEORGE B. VIEWEG, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	900	269
				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.	ASSIGNMENT	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	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	WVS05	
				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	ANTERO-5	12-0447-0003-0000, 12-0447-0003-0002, 12-0447-0003-0004, 12-0447-0003-0004, 12-0447-0003-0005,	ANTERO-5	JOHN H. GERLACH AND CHARLOTTE C. GERLACH	JACKSON L SMITH DBA WEST VIRGINIA ENERGIES	NOT LESS THAN 1/8	1108	569
				JACKSON L SMITH DBA WEST VIRGINIA ENERGIES	BERRY ENERGY CONSULTANTS AND MANAGER INC.	ASSIGNMENT	1140	674
				BERRY ENERGY CONSULTANTS AND MANAGER INC.	J AND J ENTERPRISES INC.	ASSIGNMENT	1110	890
				J AND J ENTERPRISES INC.	EASTERN AMERICAN ENERY CORP.	ASSIGNMENT	1200	1100
				EASTERN AMERICAN ENERY CORP.	ENERGY COERPORATION OF AMERICA	MERGER/NAME CHANGE	WVS05	
				ENERGY COERPORATION OF AMERICA	ANTERO RESOURCES CORPORATION	ASSIGNMENT	1495	314
				ANTERO RESOURCES CORPORATION	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1671	74
				FRENCH S. YOUNG AND ANNA J. YOUNG	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	147	297
55	LC004920	12-447-0004-0001 12-447-0004-0002 12-447-0004-0003 12-447-0004-0004 12-447-0004-0005 12-447-0004-0006 12-447-0004-0007 12-447-0004-0008 12-447-0004-0009 12-447-0004-0010 12-447-0004-0011 12-447-0004-0012 12-447-0004-0013 12-447-0021-0000 12-447-0023-0000	Q100923000	HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONFIRMATORY DEED	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	ASSIGNMENT	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.	HG ENERGY II APPALACHIA, LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	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	WVS05	
				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 ENFRGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	LEWIS 736	220

35.01	HGII01394	13-2105-0093-0000	HGII01394	EMILY POST FENTON	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1706	1222	
35.02	HGII01457	13-2105-0096-0000	HGII01457	WILLIAM FRANCIS VIEWEG	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1708	694	
35.03	HGII01152	13-2105-0100-0000	HGII01152	TERRANCE LYNN BASSELL	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	852	
35.04	HGII01413	13-2105-0100-0000	HGII01413	ARIO MINERALS LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1707	308	
35.05	HGII01039	13-2105-0013-0001	HGII01039	ALICIA NANETTE THOMPSON & DONALD THOMPSON	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1676	1107	
35.06	HGII01824	13-2105-0013-0000	HGII01824	NAJ LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1716	412	
35.07	HGII01137	13-2104-0029-0000	HGII01137	JUDITH A. SUESS MEMEAR	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1685	796	
41	LC008511	12-0427-0027-0000 12-0427-0033-0000 12-0427-0033-0001 12-0427-0034-0000 13-2105-0001-0000 13-2105-0002-0000 13-2105-0002-0001 13-2105-0002-0002 13-2105-0001-0000 THRU 13-2105-0012-0000 13-2105-0021-0000 THRU 13-2105-0023-0000 13-2105-0041-0000 THRU 13-2105-0055-0000 13-2105-0046-0001 13-2105-0116-0000 13-2105-0117-0000 13-2105-0117-0001 13-2103-0141-0000 13-2103-0148-0000 13-2103-0162-0000 13-2103-0176-0000 13-2103-0176-0001 13-2103-0176-0002 13-2103-0174-0000 13-2103-0175-0000 13-2104-0035-0000	Q100304000	D. L. NUTTER AND MARGARET R. NUTTER, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	121	172	
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT		204	402
				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.	ASSIGNMENT		1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT		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
				35.08	HGII01418	13-2103-0173-0000	HGII01418	ISAAC H. MAXWELL III & BETTY J MAXWELL	HG ENERGY II APPALACHIA, LLC
35.09	HGII01416	13-2103-0172-0000	HGII01416	ISAAC H. MAXWELL III & BETTY J MAXWELL	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1707	20	
35.10	HGII01810	13-2103-0170-0000	HGII01810	KIMBERLY SMITH WRISTON	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1716	410	
		13-2103-0170-0001							
		13-2103-0164-0001							
35.11	HGII01494	RAILROAD NO MAP #	HGII01494	WV DEPT OF TRANSPORTATION RAIL AUTHORITY	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1708	979	
35.13	LC083841	13-2103-0149-0001 13-2103-0150-0000 13-2103-0150-0001 13-2103-0163-0000	Q101075000	ALLEN STALNAKER AND GEORGEANNA STALNAKER, EACH IN HIS OWN RIGHT AND AS HUSBAND AND WIFE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1008	66	
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT		1135	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.	ASSIGNMENT		1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT		1575	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				
35.12	HGII01310	13-0427-0026-0000	HGII01310	STANLEY J & MARILYN COLEMAN	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1700	40	
35.13	HGII01230	13-0427-0028-0003	HGII01230	STANLEY J COLEMAN	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1694	554	
35.14	HGII01012	13-2105-0028-0000	HGII01012	SHANNON Q. PRITTS AND SARAH R. PRITTS	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1690	563	
				MOLLIE V. BASSEL, WIDOW; WALTER D. NUTTER AND DORA H. NUTTER, HIS WIFE; DAVID H. NUTTER; BENJAMIN L. NUTTE; F. F. EARP AND HETTIE EARP, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	780	586	
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179	

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Environmental Protection

14	LC065783	12-0427-0001-0000	Q100886000	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.	ASSIGNMENT	1543	1235				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	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	LC065611	12-0426-0035-0000 12-0426-0052-0000	Q100795000	EMMA A. POST AND HOWARD POST, HER HUSBAND; AND LOUISE AXELVANDRE, SINGLE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	979	94				
				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	1543	1235				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT	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								
12	LC065951	12-0406-0040-0000 12-0406-0041-0000 12-0406-0042-0000 12-0406-0047-0001 12-0406-0044-0000 12-0406-0044-0001 12-0406-0045-0001 12-0406-0046-0001 12-0406-0047-0001 12-0426-0012-0000 p/o 12-0426-0012-0001 12-2005-0004-0000 12-2105-0001-0000 thru 12-2105-0024-0000 12-2105-0026-0000 thru 12-2105-0037-0000 12-2105-0039-0000 thru 12-2105-0054-0000	Q101110000	E. S. SWISHER AND NETTIE M. SWISHER, HIS WIFE, ELLA MCKEEVER, WIDOW, MARY M. BUSH AND EARLE BUSH, HER HUSBAND, JESSIE SWISHER, A WIDOW, J. HUGH SWISHER AND ALICE SWISHER, HIS WIFE, FRANK SWISHER, SINGLE, HIS WIFE, REJULAH S. SWISHER, SINGLE, AND ROBERT A. SWISHER, SINGLE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	952	156				
				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 OF 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	1543	1235				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT	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				
				12-0406-0021-0000				PORTER MAXWELL AND BERTHA B. MAXWELL, HUSBAND AND WIFE; AND W. BRENT MAXWELL AND LILLIE J. MAXWELL, HUSBAND AND WIFE	JOHN C. CHIDESTER	NOT LESS THAN 1/8	175	450
								JOHN CHIDESTER	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	UNRECORDED	
THE PHILADELPHIA COMPANY OF WEST VIRGINIA	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	236					111				

8	LC052223	12-0406-0021-0001 12-0406-0021-0002 12-0406-0021-0003 12-0406-0021-0004 12-0406-0021-0005 12-0406-0021-0006 12-0406-0021-0007 12-0406-0021-0008 12-0406-0025-0000 12-0406-0028-0000 and 12-406A-0001-0000 through 12-406A-0041-0000	Q101129000	PITTSBURGH AND WEST VIRGINIA GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	504	353				
				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 OF 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	1543	1235				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT	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				
				3	LC071305	12-0406-0010-0001 12-0406-0011-0000 12-0406-0012-0001 12-0406-0027-0000	Q100508000	EMORY L. STOUT AND ELZIA P. STOUT, HIS WIFE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	985	94
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	1543					1235				
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT	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				
2	LC071331	12-0406-0009-0000 12-0406-0009-0001 12-0406-0009-0002 12-0386-0109-0000 12-0386-0110-0000 12-0386-0111-0000	Q100509000					LOGIE C. STOUT, WIDOW; MARY STOUT WOLFF, WIDOW; AND IVA H. STOUT, WIDOW	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	992	522
								CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795				
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	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	LEWIS 736	220				
				35.44	HGI01800	13-2103-164	HGI01800	CARLA MCGLUMPHY	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1716	826



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

March 18, 2022

Ck# 030180
\$5000⁰⁰
2/24/22

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

RE: Schoen 1205 N-4H Permit Revision – (47-033-06011)
Grant District, Harrison County
West Virginia

Dear Mr. Blevins -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic, WW6A-1 and a check for expedited service for the 1205 N-4H well work permit. We request the permit be modified as additional leases have been secured to revise 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 – WV DEP State Inspector

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MAY 03 2022

WV Department of
Environmental Protection

05/13/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Expedited Modification H6A Horizontal Well Work Permit (API: 47-033-06011)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Wed, May 11, 2022 at 10:34 AM

To: Diane White <dwhite@hgeneryllc.com>, dpalmer@harrisoncountywv.com, mcopeland@harrisoncountywv.com, "Ward, Samuel D" <samuel.d.ward@wv.gov>

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-033-06011 - SCHOEN 1205 N-4H

If you have any questions, then please contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas


601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

 **47-033-06011 - mod.pdf**
2954K

05/13/2022