

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

Tuesday, February 9, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re: Permit approval for SCHOEN 1205 N-1H

47-033-06001-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Chief

Operator's Well Number: SCHOEN 1205 N-1H

Farm Name: GEORGE & ROSANNE SCHO

U.S. WELL NUMBER: 47-033-06001-00-00

Horizontal 6A New Drill Date Issued: 2/9/2021

API Number: 4703306001

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- This proposed activity may require permit coverage from the United States Army Corps of Engineers
 (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed
 activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: 4703306001

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

OPERATOR WELL NO. Schoen 1205 N-1H

Well Pad Name: Schoen 1205

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

Well Operator: HG Energy	I Appalachia. L	494519932	Harrison	Grant	Mount Clare 7.5'
1) Well Operator: 110 Energy	· · · · In la manuarita i	Operator ID	County	District	Quadrangle
2) Operator's Well Number: Sch	oen 1205 N-1H		Pad Name: Sch		
3) Farm Name/Surface Owner:			oad Access: N	1cWhorter F	Road / SR25
	1410' EI		ed post-construc	ction: 1407	
5) Well Type (a) Gas X	Oil _	U	nderground Stor	rage	
Other					
(b)If Gas Shal	low X	Deep	-		50W 25 2020
Hori	zontal x				11/25/200
6) Existing Pad: Yes or No No					
7) Proposed Target Formation(s)	, Depth(s), Antic	cipated Thicknes	ss and Expected	Pressure(s):	
Marcellus at 7214' / 7315' and 1		Anticipated pres	issure at 4314#.		
8) Proposed Total Vertical Depth	i: <u>7240'</u>				
9) Formation at Total Vertical De	epth: Marcellu	S			
10) Proposed Total Measured De	epth: 26,929'				
11) Proposed Horizontal Leg Ler	ngth: 18,210'				
12) Approximate Fresh Water St	rata Depths:	135', 480', 64	10', 728'		
13) Method to Determine Fresh	Water Depths:	Nearest offset	well data		
14) Approximate Saltwater Dept	hs: 1730, 178	0, 2010			
15) Approximate Coal Seam Dep	oths: 501, 650', 73	0', 736' (Surface ca	sing is being extende	ed to cover the o	coal in the DTI Storage Field
16) Approximate Depth to Possi					
17) Does Proposed well location directly overlying or adjacent to	contain coal sea an active mine?	Yes		No X	
(a) If Yes, provide Mine Info:	Name:				
	Depth:				
	Seam:				
	Owner:				

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APINO. 47-47.03306001

OPERATOR WELL NO. Schoen 1205 N-1H

Well Pad Name: Schoen 1205

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	<u>Grade</u>	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 Production	5 1/2"	NEW	P-110	23	26929'	26929'	20% excess tail, CTS
Tubing							
Liners							

50 ev 11/25/2020

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			1	Drilled In
Fresh Water/Coal	20"	24"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1,20, CTS
Intermediate1	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, Tall 0% Excess Log
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/ClassA	20% excess yield = 1.19, tail yield 1.94.0
Tubing				1			
Liners							

PACKERS

Kind:		
Sizes:		*
Depths Set:		

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WV Department of Environmental Protection

APINO. 47-4703306001

OPERATOR WELL NO. Schoen 1205 N-1H
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 18,210' lateral length, 26,929' 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 easing.
Frashwater - centralized every 3 joints to surface.
Frashwater - centralized every 3 joints to surface.
God.-Bow Spring on every joint, will also be number of the total storage zone
Intermediate - Bow Spring on first 2 joints then every bird joint to 100° from surface.
Intermediate - Bow Spring on first 2 joints then every bird joint to 100° from surface.
Froduction - Run 1 spiral centralizer every 5 joints from the top of the curver to surface. Run 1 spiral centralizer every 3 joints from the 1st 5.5° long joint to the top of the curver.

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

Conductor +V/A, Casing to be drilled in wf Dual Rotary Rig.
Firsh Walter - 15.8 pag PNE-1 + 2% boxoc CCC1, 40% Excess Yaid = 1.20, CTS
Firsh Walter - 15.8 pag PNE-1 + 2.5% boxoc CCC1, 40% Excess Yaid = 1.20, CTS
Intermediata 1 - 1.2-asid 1.54 pag PNE-1 + 2.5% boxoc ScC1 x 120 x 120

25) Proposed borehole conditioning procedures:

Conductor - idensity the hole is dean at 1U.

Friesh Mater - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.

Coat - Once casing is at setting depth, Circulate and condition at 1TD. Circulate a minimum of one hole volume prior to pumping cement.

Intermediate - Once casing is at setting depth, Circulate and condition and at 1TD. Circulate a minimum of one hole volume prior to pumping cement.

Intermediate - Once casing is at setting depth, Circulate and condition and at 1TD. Circulate a minimum of one hole volume prior to pumping cement.

Production - Once on bettom/TD with casing, circulate at minimum of one hole volume prior to pumping cement.

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*Note: Attach additional sheets as needed.

HG Energy II Appalachia, LLC

Schoen 1205 Well Pad (N-1H, N-2H, N-3H, N-4H, N-5H, N-6H, S-7H, S-8H, S-9H, S-10H, S-11H) Cement Additives

ial Name	Material Type	Induction managed	AS# Ingredient name	%	CAS number
		Premium NE-1 is a portland cement with	Portland cement	90 - 100	65997-15-1 1305-78-8
		garly compressive	Calcium oxide	1-5	1309-48-4
		The state of the contract of the second	Magnesium oxide Crystalline silica: Quartz (SiO2)	0.1 - 1	14808-60-7
um NE-1	Portland Cement		Cityman and Carrier (1977)		
		Commonly called gel, it is		61	CAS number
		a clay material used as a	Ingredient name	% 90 - 100	1302-78-9
		cement extender and to	bentonite Crystalline silica: Quartz (SiO2)	5 - 10	14808-60-7
		control excessive free	Cijatumie Sinda. Statistija i i i i i i i i i i i i i i i i i i		
		water.			
ijte	Extender				
		A powdered, flaked or	Ingredient name	%	CAS number
		pelletized material used	Calcium chloride	90 - 100	10043-52-4
		to decrease thickening time and increase the rate	Shelish diland		
		of strength development			
Chloride	Accelerator				
		out a la l	No. of the state of	%	CAS number
		Graded (3/8 to 3/4 inch) cellophane flakes used as	Ingredient name		
		a lost circulation material.	No hazardous ingredient		
lake	Lost Circulation				
		FP-13L is a clear liquid			
		organic phosphate			
		antifoaming agent used in	Le condient name	%	CAS number
		cementing operations. It	Ingredient name	90 - 100	126-73-8
		is very effective	Tributyl phosphate		
		minimizing air entrapment and			
		preventing foaming			
		tendencies of latex			
		systems.			
	Foam Preventer		The second secon	- %	CAS number
		Used to retard cement	Ingredient name	90 - 100	57-50-1
istad Comme	Retarder	returns at surface.	Sucrose		
lated Sugar	Reidiaei	A proprietary product			
		that provides expansive			
		properties and improves	Ingredient name	%	CAS number
		bonding at low to moderate	Calcium magnesium oxide	90 - 100	37247-91-9
		temperatures.	The state of the s		
		Multi-purpose polymer		1%	CAS number
		additive used to control free fluid, fluid loss,	Ingredient name	70	O/O HUMBU
		rheology, and gas	No hazardous ingredient		
170	Gas Migration	migration.			
-10					
		A synthetic pozzolan, (primarily Silicon Dioxide).			
		When blended with			
		cement, Pozzolan can be	Ingredient name	%	CAS numbe
		used to create	Crystalline silica: Quartz (SiO2)	5-10	14808-60-7 1305-78-8
		lightweight cement slurries used as either a		1-5	1305-78-6
		filler slurry or a sulfate	Calcium oxide RECEIVED Office of Oil and Gas		
		resistant completion			
		cement.	JAN 06 2021		
ly Ash)	Base				
		A low temperature	WV Department of Environmental Protection		
		retarder used in a wide	Ingredient name	%	CAS numbe
		range of slurry	Organic acid salt	40 - 50	Trade secre
		formulations to extend			
	Retarder	the slurry thickening time			
	Verginei			15:	CAC
			Ingredient name	20 - 30	111-76-2
			2-Butoxyethanol Proprietary surfactant	10 - 20	Trade secre
		Used to water wet casing	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	5 - 10 1 - 5	110615-47-9 Trade secre
		and formation to facilitat	Alkylal visulonate annie san	0,1-1	Trade secret
					E
	Surfactant	cement bonding.	Pulyoxyaikyienes	141.	

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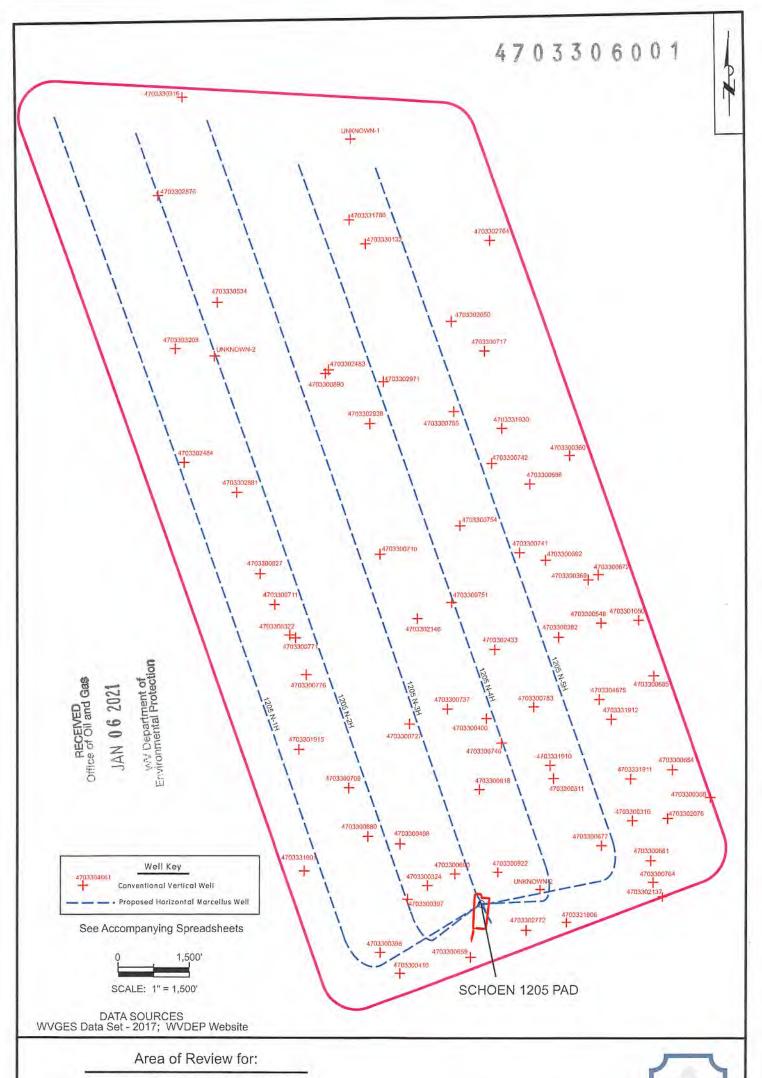
1202 9 0 NAL



420E N 4L

1205 N-1H
Marcellus Shale Horizontal
Harrison County, WV
14218746 262N 1

SE	O bas liO to s				1205 N-1H SHL			14218746.262N 1824133.718E								
	RECEIVED								11 (12)	4218068.6N 182125						
Ground Elevation 1407.3'				1205 N-1H LP				14235231.92N 1815189.61E								
Azı	n		340.53	8°		1205 N	-1H BH	L	14	235231.92N 181518						
WELLBORE	DIAGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS					
1 11	1111															
		30"	30" 157.5#				AIR.	N/A, Casing to be drilled	N/A	Ensure the hole is clean at	Conductor casing = 0.5" wall thickness					
	l x	30	LS	Conductor	0	120	7anie	in w/ Dual Rotary Rig		TD.	trickness					
				Fresh Water	0	135, 480, 640, 728		15.6 ppg PNE-1 + 3%	4 (400 0000)	Once casing is at setting depth, circulate a minimum	Surface casing = 0.438" wall					
	×	24"	20" 94# J-55	Coal	730	736	AIR	bwoc CaCl 40% Excess	Centralized every 3 joints to surface	of one hole volume with Fresh Water prior to	thickness Burst=2110 psi					
			201 4 2 2 3	Surface / FW	0	1200		Yield=1.20 / CTS		pumping cement.	A 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
								Lead: 15.4 ppg PNE-1 +	Bow Spring on every	Once casing is at setting	0.0 7 0.0 7 0.0					
	1311		4 0 0 10 11 0 0 11	Little/Big Lime	1467 / 1510	1482 / 1556	AIR / KCL	2.5% bwoc CaCl 40% Excess / Tail: 15.9	joint	depth, Circulate and condition at TD. Circulate a	Intermediate casing = 0,480' wall thickness					
x		17.5"	13-3/8" 68# J-55 BTC	Injun / Gantz (Storage)	1565 / 1900	1690 / 1970	Salt Polymer	ppg PNE-1 + 2,5% bwoc	*will also be running ACP for isolating storage zone*	minimum of one hole	Burst=3450 psi					
			200	Intermediate 1	0	2100	. eignier	CaCl zero% Excess. CTS		volume prior to pumping cement.						
x	x1			Fifty / Thirty Foot	1993 / 2112	2093 / 2147		Lead: 15.4 ppg PNE-1 +		Once casing is at setting						
			274724722.07	Gordon Stray / Gordon	2195 / 2250	2250 / 2310	AIR / KCL	2.5% bwoc CaCl	Bow Spring on first 2	depth, Circulate and	Intermediate casing = 0.395					
x x		12.25"	9-5/8" 40# J-55 BTC	5th Sand	2440	2468	Salt	40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc	joints then every third joint to 100' form	condition mud at TD. Circulate a minimum of one	wall thickness Burst=3950 psi					
	×			Warren	2835	2860	Polymer	CaCl zero% Excess, CTS	surface Run 1 spiral centralizer	hole volume prior to pumping cement.						
				Intermediate 2	0	2950				parriping cerneric						
×	X			Speechley	3028	3162	-			zer						
		9 Et Vertical	Vertical	ral	al l	al	tical	3.5" Vertical	Bradford	3342	3367	9.0ppg	A 17 ACC	every 5 joints from the		
	11	0.5 Vertical		Benson	4420	4455	SOBM	<u>Lead</u> : 14.5 ppg POZ:PNE-1 + 0.3%	top of the curve to surface.							
				V.				bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk		Once on bottom/TD with						
	10			Rhinestreet	5872	6549		FP13L + 0.3% bwoc		casing, circulate at max allowable pump rate for at	Production casing = 0.415					
- 13			5-1/2"	Cashaqua	6549	6740		MPA170 Tail: 14.8 ppg PNE-1 +		least 2x bottoms up, or unti	wall thickness					
X	X	0.50.0000	23#	Middlesex	6740	6870	11.5ppg- 12.5ppg	0.35% bwoc R3 + 0.75		returns and pump pressures indicate the hole	Burst=16240 psi Note:Actual centralizer					
1/4		8,5" Curve	P-110 HP CDC HTQ	West River	6870	7003	SOBM	gal/sk FP13L + 50% bwoc ASCA1 + 0.5%	Run 1 spiral centralizer	is clean. Circulate a	schedules may be change					
- 13			23,27,403	Burkett Tully Limestone	7003 7048	7149		bwoc MPA170 20% Excess	every 3 joints from the 1st 5.5" long joint to the		due to hole conditions					
				Hamilton	7149	7214		Lead Yield=1.19	top of the curve.	cement.						
				Marcellus	7214	7315		_ Tail Yield=1.94 CTS								
		a. en a constant		TMD / TVD	26920	7240	11.5ppg- 12.5ppg									
		8.5" Lateral		(Production)		7,240	SOBM									
X	X		X	Onondaga	7315 X		X		X	X	X					
	LP @ 72	240' TVD / 8710' MD			8.5" Hole - Cement 5-1/2" 23# P-110		g	107		210' ft Lateral	TD @ +/-7240' TVD +/-26920' MD					
	(X	X	X	X		X	X	X	. X	X=centralizers					



SCHOEN 1205 NORTH UNIT

Proposed 1205 N-1H Proposed 1205 N-2H Proposed 1205 N-3H Proposed 1205 N-4H Proposed 1205 N-5H Proposed 1205 N-6H

Grant District, Harrison County, W.Va.

HG ENERGY, II APPALACHIA, LLC 5260 DuPont Road, Parkersburg, WV '26101

A, LLC ENERGY

12/28/2020

JAN 06 2021

	WV Depart Environmental	ment of	SCHOEN	EXISTING WELLS LOCATED WI 1205 NORTH UNIT AND PROPOS	THIN THE AREA OF REVIEW FOR ED WELLS N-1H, N-21		& N-5H			
CT	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4703300308	Harrison	June Ludwig CW541	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	1913	PLUGGED	39.158341	-80.334821
2	4703300310	Harrison	Alice V Knisley	Dominion Energy Transmission, Inc.	Gantz	Storage	1824	ACTIVE	39,157059	-80,340613
3	4703300322	Harrison	I M Swisher	Hope Natural Gas Company	UNKNOWN	not available	11.8	ABANDONED	39.167870	-80.365986
4	4703300324	Harrison	John H Hardway 1	Dominion Energy Transmission, Inc.	Gantz	Storage	1644	ACTIVE	39.153472	-80.355885
5	4703300360	Harrison	Jesse C Stout	Hope Natural Gas Company	UNKNOWN	not available	4 15 8 3	ABANDONED	39.177946	-80.345070
6	4703300369	Harrison	S D B Church	Hope Natural Gas Company	UNKNOWN	not available	1 1 1 2 2	ABANDONED	39.170834	-80.343766
7	4703300382	Harrison	M V Bassell	Dominion Energy Transmission, Inc.	Gantz	Storage	1653	ACTIVE	39.167589	-80.345998
8	4703300397	Harrison	Marcella R Bond	Hope Natural Gas Company	Up Devonian	Gas	1587	PLUGGED	39.152681	-80.357369
9	4703300398	Harrison	J N Rector	Hope Natural Gas Company	Thirty-foot	Storage	2002	PLUGGED	39.149633	-80.359418
10	4703300400	Harrison	Porter M Rogers	Hope Natural Gas Company	Thirty-foot	Storage	2085	PLUGGED	39.162985	-80.351406
11	4703300408	Harrison	M R Bond	Dominion Energy Transmission, Inc.	Gantz	Storage	1726	ACTIVE	39.155851	-80.357903
12	4703300410	Harrison	E A Waggoner	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	1964	ACTIVE	39.148438	-80,357974
13	4703300548	Harrison	Mollie V Bassel	Dominion Energy Transmission, Inc.	Benson	Storage	4350	ACTIVE	39.168367	-80.342834
14	4703300654	Harrison	A V Knisley CW542	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	1748	ACTIVE	39.159938	-80.337616
15	4703300659	Harrison	S V Curry CW433	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	1990	ACTIVE	39,149343	-80.352710
1,6	4703300661	Harrison	M S Davis CW538	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	1885	ACTIVE	39.154774	-80.339266
17	4703300672	Harrison	M V Bassell CW452	Dominion Energy Transmission, Inc.	Fifth	Storage	2233	ACTIVE	39,171125	-80,343021
18	4703300677	Harrison	D L Nutter	Alliance Petroleum Co. LLC	Thirty-foot	Gas	1850	ABANDONED	39.155655	-80.342933
19	4703300685	Harrison	A V Knisley CW547	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	1940	ACTIVE	39,165325	-80.338945
20	4703300686	Harrison	Lloyd Stout CW458	Dominion Energy Transmission, Inc.	Gordon	Storage	2051	PLUGGED	39.176350	-80.348052
21	4703300690	Harrison	J J Lewis CW438	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	1853	ACTIVE	39,154132	-80.353828
22	4703300692	Harrison	J C Stout CW456	Dominion Energy Transmission, Inc.	Gantz	Storage	1950	PLUGGED	39,171996	-80.346933
23	4703300709	Harrison	M Bond CW335	Dominion Energy Transmission, Inc.	Thirty-foot	Gas	2025	PLUGGED	39.159079	-80.361666
24	4703300710	Harrison	Ray Swisher CW455	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	2017	PLUGGED	39.172431	-80.359233
25	4703300711	Harrison	Lewis Davis CW340	Dominion Energy Transmission, Inc.	Gordon	Storage	2117	PLUGGED	39.169606	-80.367107
26	4703300717	Harrison	E H Stout CW464	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	1996	ACTIVE	39.183988	-80,351326
27	4703300727	Harrison	Marcella R Bond	Dominion Energy Transmission, Inc.	Benson	Gas	4305	ACTIVE	39.162713	-80.357152
28	4703300737	Harrison	M Bond CW446	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	1904	ACTIVE	39.163560	-80.354301
29	4703300741	Harrison	A D Bassell CW453	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	2208	PLUGGED	39.172441	-80.348854
30	4703300742	Harrison	A D Bassell CW459	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	2145	PLUGGED	39.177553	-80.350856
31	4703300746	Harrison	A Stalnaker CW445	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	1935	PLUGGED	39.161560	-80.350301
32	4703300751	Harrison	Emma Post CW451	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	2248	ACTIVE	39,169652	-80.353945
33	4703300754	Harrison	A D Bassell CW457	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	2160	PLUGGED	39.174028	-80.353269
34	4703300755	Harrison	P Maxwell CW461	Dominion Energy Transmission, Inc.	Gantz	Storage	2188	PLUGGED	39.180559	-80.353642
35	4703300764	Harrison	Milton S Davis	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2214	PLUGGED	39.153552	-80.339108
36	4703300771	Harrison	O G Kennedy CW338	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	1996	PLUGGED	39.167697	-80.365568
37	4703300776	Harrison	L Gifford CW337	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	1973	ACTIVE	39,165584	-80.364807
38	4703300783	Harrison	M V Bassell CW448	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Storage	2127	PLUGGED	39.163631	-80.347893

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OUR	man hand following the state of the state of) and WVDEP WEBSITE ANI			S WELL WITH TVD > 4,5	00'	GREEN DE	NOTES SURVEYED	WELLS
74	UNKNOWN-3	Harrison	Bond Heirs	UNKNOWN	UNKNOWN	not available	2445	PLUGGED	39.183895	-80,37140
73	UNKNOWN-2	Harrison	J.J. Lewis	UNKNOWN	UNKNOWN	not available	HI THE E	PLUGGED	39.153186	-80.347510
72	UNKNOWN-1	Harrison	Sarah L Vanhorn 1	UNKNOWN	Fifth	not available	1 2 4	PLUGGED	39.196215	-80,361079
71	4703331930	Harrison	E H Stout CW462	Consolidated Gas Supply Corp.	Greenland Gap Fm	Storage	2480	UNKNOWN	39.179554	-80,35008
70	4703331912	Harrison	D L Nutter CW449	Consolidated Gas Supply Corp.	Greenland Gap Fm	Storage	2362	UNKNOWN	39.162871	-80.34214
59	4703331911	Harrison	D L Nutter CW444	Consolidated Gas Supply Corp.	Greenland Gap Fm	Storage	2235	UNKNOWN	39.159435	-80.34070
58	4703331910	Harrison	F S Young	Consolidated Gas Supply Corp.	Gantz	Storage	1910	UNKNOWN	39.160252	-80.34671
67	4703331906	Harrison	F S Young	Consolidated Gas Supply Corp.	Gantz	Storage	1910	UNKNOWN	39.151280	-80,34555
66	4703331901	Harrison	S J Davisson CW332	Consolidated Gas Supply Corp.	Hampshire Grp	Storage	2330	OBSERVATION	39.154343	-80.36509
65	4703331780	Harrison	Margert Reed	Hope Natural Gas Company	Hampshire Grp	Gas	2476	PLUGGED	39,191607	80.36127
64	4703330534	Harrison	Porter Maxwell 3	Hope Natural Gas Company	Hampshire Grp	Gas	2352	PLUGGED	39.186975	-80.37115
63	4703330316	Harrison	W B Lowther	Philadelphia Oil Co.	Hampshire Grp	Oil and Gas	2455	PLUGGED	39.198796	-80.37353
62	4703330132	Harrison	Thomas B Reed	Hope Natural Gas Company	Hampshire Grp	Gas	2455	PLUGGED	39.190219	-80,36007
61	4703304875	Harrison	Worthy C Hall	Dominion Energy Transmission, Inc.	Thirty-foot	not available	2362	PLUGGED	39.164004	-80.34301
50	4703303208	Harrison	Porter Maxwell	Dominion Energy Transmission, Inc.	UNKNOWN	not available	1 2 2 1	PLUGGED	39.184352	-80.37432
59	4703303050	Harrison	Porter Maxwell (CW-465)	Dominion Energy Transmission, Inc.	UNKNOWN	not available	1 2	PLUGGED	39.185710	-80.35376
58	4703302971	Harrison	P Maxwell et al (CW-463)	Dominion Energy Transmission, Inc.	UNKNOWN	not available		PLUGGED	39.182300	-80.35886
57	4703302938	Harrison	Carl Smith Jr	Dominion Energy Transmission, Inc.	Fifty-foot	Storage	2221	ACTIVE	39.179913	-80,35989
56	4703302881	Harrison	E S Swisher (CW-344)	Dominion Energy Transmission, Inc.	UNKNOWN	not available	-	PLUGGED	39.176059	-80.36985
55	4703302876	Harrison	L J Stenger et al	P.G. Oil & Gas, LLC	Alexander	Gas	5100	ACTIVE	39.193173	-80.37545
4	4703302772	Harrison	J H & C Gerlach	Greylock Conventional, LLC	Benson	Gas	4427	ACTIVE	39,150855	-80.34856
3	4703302764	Harrison	Sarah Heldreth 3	Dominion Energy Transmission, Inc.	Fifth	not available		PLUGGED	39.190301	-80.3508
2	4703302484	Harrison	C H Woodford CW343	Dominion Energy Transmission, Inc.	Thirty-foot	Storage	1960	ACTIVE	39.177808	-80.37375
51	4703302483	Harrison	C H Woodford CW347	Dominion Energy Transmission, Inc.	Gantz	Observation	2164	PLUGGED	39.183028	-80.36294
50	4703302433	Harrison	M V Bassell	Dominion Energy Transmission, Inc.	Benson	Gas	4657	ACTIVE	39.166932	-80.35073
19	4703302146	Harrison	Emma Post	Dominion Energy Transmission, Inc.	Alexander	Gas	4980	ACTIVE	39.168746	-80.35649
18	4703302137	Harrison	M S Davis	Dominion Energy Transmission, Inc.	Benson	Gas	4478	ACTIVE	39.152701	-80.33842
47	4703301313	Harrison	A V Knisley	Dominion Energy Transmission, Inc.	Benson	Gas	4227	ACTIVE	39.157180	-80.33798
46	4703301030	Harrison	G Thomas Smith	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4630	ACTIVE	39.161289	-80.36536
45	4703301050	Harrison	Bassell 3	Dominion Energy Transmission, Inc.	Fifth	Gas	2314	PLUGGED	39.168513	-80,34003
14	4703300830	Harrison	A B Yost	Dominion Energy Transmission, Inc.	Benson	Gas	4455	ACTIVE	39.154204	-80.35063
43	4703300880	Harrison	C H Woodford	Dominion Energy Transmission, Inc.	Benson	Gas	4660	ACTIVE	39.182815	-80.36318
12	4703300827	Harrison	A W Smith Marcella Bond	Dominion Energy Transmission, Inc.	Benson	Gas	4476	ACTIVE	39.156295	-80,36029
10	4703300818	Harrison Harrison	David C Curry CW441	Dominion Energy Transmission, Inc.	Fifty-foot Fifth	Storage Gas	2389	ACTIVE	39.171375	-80.36817
9	4703300811 4703300818	Harrison	D L Nutter	Dominion Energy Transmission, Inc. Dominion Energy Transmission, Inc.	Benson	Gas	4365 1880	ACTIVE PLUGGED	39.159500 39.158922	-80.34644 -80.35196

LIBBATER 10/39/303/

JAN 06 2021

WV Department of Environmental Protection

4703306001

API Number 47	-
Operator's Well	No. Schoen 1205 N-1H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name HG Energy II Appalachia, LLC	OP Code 494501907
Watershed (HUC 10) Middle West Fork Creek	Quadrangle Mount Clare 7.5'
Do you anticipate using more than 5,000 bbls of water to com	
Will a pit be used? Yes No	
If so, please describe anticipated pit waste: NA	Da
Will a synthetic liner be used in the pit? Yes	No ✓ If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	No If so, what ml.? 4000
Land Application	
Underground Injection (UIC Pern	nit Number
■ Reuse (at API Number TBD - At next	t anticipated well
Off Site Disposal (Supply form W Other (Explain	W-9 for disposal location)
Will closed loop system be used? If so, describe: Yes, cuttings and	d fluids will be collected in a closed loop system, re-used or hauled to an approved disposal site or landfill.
	ntal)? Air, freshwater, oil based, etc. Venleal-Air, Air/KCL, AM/SOBM, Honzontal-SOBM
-If oil based, what type? Synthetic, petroleum, etc	
	Office of Off and San
Additives to be used in drilling medium? Water, Soap, KCI, Ba	
Drill cuttings disposal method? Leave in pit, landfill, remove	in a commant of
-If left in pit and plan to solidify what medium will be	be used? (cement, lime, sawdust) NA WV Department of Environmental Protection
-Landfill or offsite name/permit number? See Attach	ned
Permittee shall provide written notice to the Office of Oil and West Virginia solid waste facility. The notice shall be provide where it was properly disposed.	d Gas of any load of drill cuttings or associated waste rejected at any ed within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West provisions of the permit are enforceable by law. Violations law or regulation can lead to enforcement action. I certify under penalty of law that I have persona application form and all attachments thereto and that, ba obtaining the information, I believe that the information is penalties for submitting false information, including the poss	d conditions of the GENERAL WATER POLLUTION PERMIT issued Virginia Department of Environmental Protection. I understand that the of any term or condition of the general permit and/or other applicable ally examined and am familiar with the information submitted on this sed on my inquiry of those individuals immediately responsible for strue, accurate, and complete. I am aware that there are significant sibility of fine or imprisonment.
Company Official Signature Diane White	
Company Official (Typed Name) Diane White	
Company Official Title Agent	
Subscribed and sworn before me this 23rd day of	November , 20 20
Ditaliant and an	
Carrey Bocoh	Notary Public OFFICIAL SEAL STATE OF WEST VIRGINIA
My commission expires 7/31/2022	NOTARY PUBLIC CASSIDY A. BOARDMAN 5301 13th Ave Vienna, WV 26105 My Commission Expires July 31, 20

	ment. Acres Distarbed	29.465 Prevegetation pH	
Lime	3 Tons/acre or to correc	et to pH 6.5	
Fertilizer type10-	-20-20		
Fertilizer amount	50	00 lbs/acre	
Mulch Hay	2	Tons/acre	
		Seed Mixtures	
Te	mporary	Perma	
Seed Type	lbs/acre	Seed Type	lbs/acre 40
Tall Fescue	40	Tall Fescue	
Ladino Clover	5	Ladino Clover	5
Plan Approved by:		will	regulation.
Comments: Pre-seed	mulch as soon a	as reasonably possible per	regulation.
Comments: Pre-seed	mulch as soon a	will	regulation.
Comments: Pre-seed	mulch as soon a	as reasonably possible per	regulation.
Comments: Pre-seed	mulch as soon a	as reasonably possible per	regulation.
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Comments: Pre-seed	mulch as soon a	as reasonably possible per	regulation.
Comments: Pre-seed	mulch as soon a	as reasonably possible per	regulation.
Upgrade E&S if r	mulch as soon and eeded per WV [as reasonably possible per DEP E&S manual.	regulation.
Comments: Pre-seed	mulch as soon and eeded per WV [Date: O 11/25/2020	
Upgrade E&S if r	mulch as soon and eeded per WV [as reasonably possible per DEP E&S manual.	

WV Department of Environmental Protection

Cuttings Disposal/Site Water

Cuttings -Haul off Company:

Eap Industries, Inc. DOT # 0876278 1575 Smith Two State Rd. Atlasburg, PA 15004 1-888-294-5227

Waste Management 200 Rangos Lane Washington, PA 15301 724-222-3272

Environmental Coordination Services & Recycling (ECS&R) 8297 US Highway 19 Cochranton, PA 16314 814-425-7773

Disposal Locations:

Apex Environnemental, LLC Permit # 06-08438 11 County Road 78 Amsterdam, OH 43903 740-543-4389

Westmoreland Waste, LLC Permit # 100277 111 Conner Lane Belie Vernon, PA 15012 724-929-7694

Sycamore Landfill Inc. Permit #R80-079001 05-2010 4301 Sycamore Ridge Road Hurricane, WV 25526 304-562-2611

Max Environnemental Technologies, Inc. Facility Permit # PAD004835146 / 301071 233 Max Lane Yukon, PA 25968 724-722-3500

Max Environnemental Technologies, Inc. Facility Permit # PAD05087072 / 301359 200 Max Drive Bulger, PA 15019 724-796-1571

Waste Management Kelly Run Permit # 100663 1901 Park Side Drive Elizabeth, PA 15037 412-384-7569

Waste Management South Hills (Arnoni) Permit # 100592 3100 Hill Road Library, PA 15129 724-348-7013 412-384-7569

Waste Management Arden Permit # 100172 200 Rangos Lane Washington, PA 15301 724-222-3272

Waste Management Meadowfill Permit # 1032 1488 Dawson Drive Bridgeport, WV 26330

Brooke County Landfill Permit # SWF-103-97 / WV 0109029 Rd 2 Box 410 Colliers, WV 26035 304-748-0014 RECEIVED
Office of Oil and Gas

JAN 06 2021

WV Department of Environmental Protection Wetzel County Landfill Permit # SWF-1021-97 / WV 0109185 Rt 1 Box 156A New Martinsville, WV 26035 304-455-3800

Energy Solutions, LLC Permit # UT 2300249 423 West 300 South Suite 200 Salt Lake City, UT 84101

Energy Solutions Services, Inc. Permit # R-73006-L24 1560 Bear Creek Road Oak Ridge, TN 37830

Northern A-1 Environnemental Services Permit ID MID020906814 3947 US 131 North, PO Box 1030 Kalkaska, MI 49646 231-258-9961

Water Haul off Companies:

Dynamic Structures, Clear Creek DOT # 720485 3790 State Route 7 New Waterford, OH 44445 330-892-0164

Nabors Completion & Production Services Co. PO Box 975682 Dallas, TX 75397-5682

Select Energy Services, LLC PO Box 203997 Dallas, TX 75320-3997

Nuverra Environmental Solutions 11942 Veterans Memorial Highway Masontown, WV 26542

Mustang Ollfield Services LLC PO Box 739 St. Clairsville, OH 43950

Wilson's Outdoor Services, LLC 456 Cracraft Road Washington, PA 15301

Disposal Locations:

Solidification
Waste Management, Arden Landfill Permit # 100172
200 Rangos Lane
Washington, PA 15301
724-225-1589

Solidification/Incineration
Soil Remediation, Inc. Permit # 02-20753
6065 Arrel-Smith Road
Lowelville, OH 44436
330-536-6825

Adams #1 (Buckeye Brine, LLC) Permit # 34-031-2-7177 23986 Airport Road Coshocton, OH 43812 740-575-4484 512-478-6545 RECEIVED
Office of Oil and Gas

JAN 06 2021

WV Department of Environmental Protection

CMS of Delaware Inc. DBA CMS Oilfield Serv 301 Commerce Drive Moorestown, NJ 08057

Force, Inc. 1380 Rte. 286 Hwy. E, Suite 303 Indiana, PA 15701

Solo Construction P.O. Box 544 St. Mary's, WV 26170

Equipment Transport 1 Tyler Court Carlisle, PA 17015

Myers Well Service, ____ 2001 Ballpark Court Export, PA 15632

Burns Drilling & Excavating 618 Crabapple Road P.O. Bow Wind Ridge, PA 15380

Nichlos 1-A (SWIW #13) Permit # 3862 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-329-7275

Groselle (SWIW #34) Permit # 4096 Rt. 88 Garrettsville, OH 713-275-4816

Kemble 1-D Well Permit # 8780 7675 East Pike Norwich, Oh 43767 614-648-8898 740-796-6495

4703306001

Adams #2 (Buckeye Brine, LLC) 2205 Westover Road Austin Tx 78703 Permit # 34-031-2-7178 740-575-4484 512-478-6545

Adams #3 (Buckeye Brine, LLC) Permit #34-031-2-7241-00-00 2630 Exposition, Suite 117 Austin, TX 78703 512-478-6545

Mozena #1 Well (SWIW # 13) Permit # 34-157-2-5511-00-00 5367 E. State Street Newcomerstown, OH 43832 740-763-3966

Goff SWD #1 (SWIW # 27) Permit # 84-119-2-8776-000 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-329-7275

SOS D#1 (SWIW #12) Permit # 34-059-2-4202-00-00 Silcor Olifield Services, Inc. 2939 Hubbard Road Youngstown, PH 44505

Dudley #1 UIC (SWIW #1)
Permit # 34-121-2-2459-00-00
Select Energy Services, LLC
7994 S. Pleasants Hwy
St. Marys, WV 26170
304-665-2652

OH UIC #1 Bu keye UIC Barnesville 1 & 2 CNX Gas Con...;any, LLC 1000 Consol Energy Drive Permit # 34-013-2-0609-00-00 Permit # 34-013-2-0614-00-00 304-323-6568

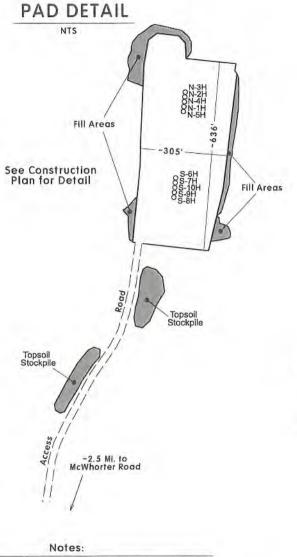
US Steele 11385 Permit # 47-001-00561 200 Evergreen Drive Waynesburg, PA 15730 304-323-6568

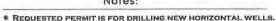
Chapin #7 UIC (SWIW #7)
Permit # 34-083-2-4197-00-00
Elkhead Gas& Oil Company
12163 Marne Rd. NE
Newark, OH 43055
740-763-3966

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JAN 06 2021

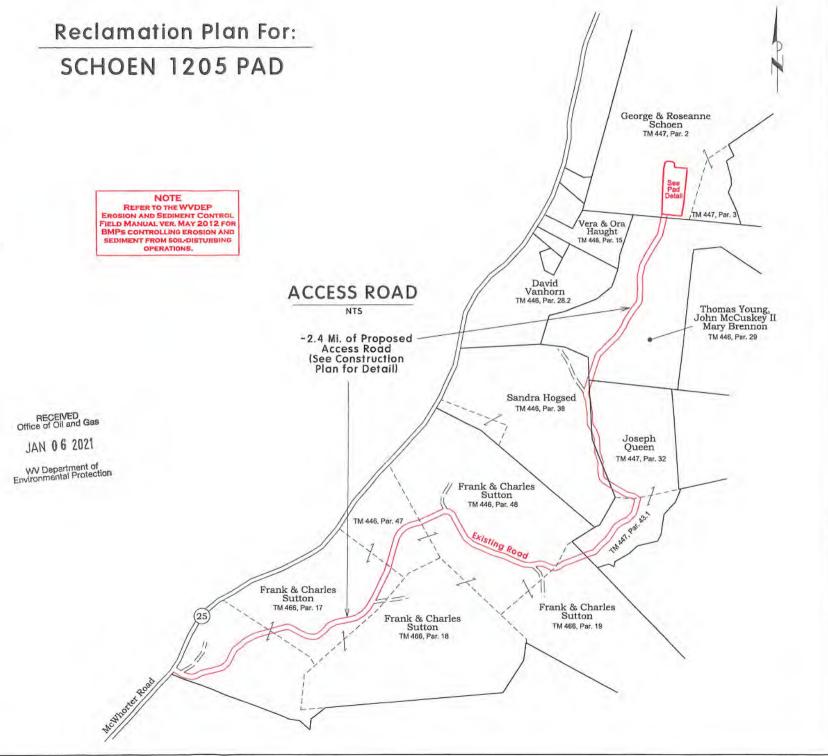
WV Department of Environmental Protection





LOCATION AND ACCESS ROADS WILL BE CONSTRUCTED AS SHOWN ON THE ENGINEERED DRAWINGS WHICH ACCOMPANY THIS PERMIT APPLICATION. REFERENCE IS HEREBY MADE TO THOSE PLANS FOR MORE DETAIL ON E&S MEASURES TO BE TAKEN TO ENSURE COMPLIANCE WITH WYDEP RECLAMATION STANDARDS.

- ALL DISTURBED AREAS WILL BE RE-VEGETATED AS OUTLINED ON FORM WW-9.
- MAINTAIN SEDIMENT BARRIERS AND DRAINAGE STRUCTURES.
- No drill pit will be constructed and a closed loop system will be utilized to handle drill cuttings.
- DRAWING NOT TO SCALE.



HG Energy II Appalachia, LLC

Site Safety Plan

Schoen 1205 Well Pad

1279 Sutton Farm Rd
Lost Creek
Harrison County, WV 26385

August 2020: Version 1

For Submission to
West Virginia Department of Environmental Protection,
Office of Oil and Gas

HG Energy II Appalachia, LLC

5260 Dupont Road

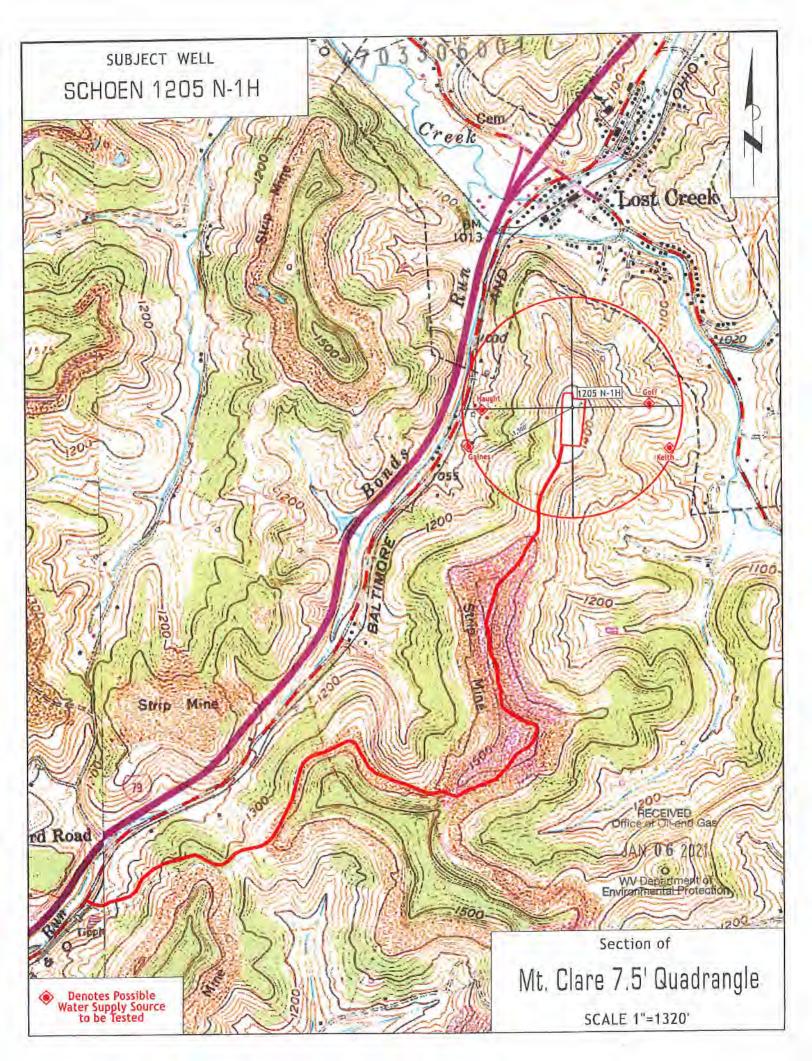
Parkersburg, WV 26101

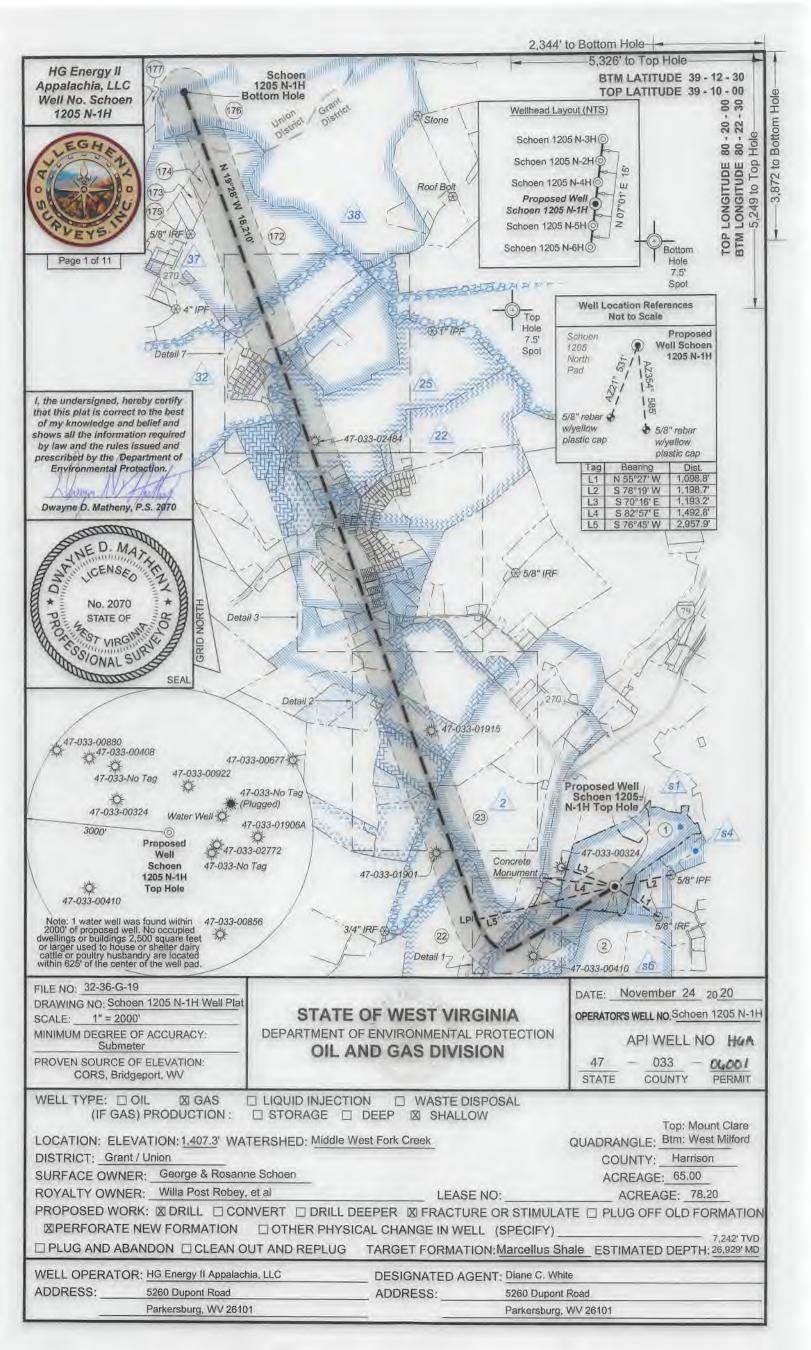
5DW 11/25/2020

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WV Department of Environmental Protection





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Notes Well No. Schoen 1205 N-1H UTM NAD 1983 (USSF)

Top Hole Coordinates N: 14,218,746.26' E: 1,824,133.72' Landing Point Coordinates N: 14,218,068.60' E: 1,821,254.50' Bottom Hole Coordinates N: 14,235,231.92'

E: 1,815,189.61'

Notes

Well No. Schoen 1205 N-1H West Virginia Coordinate System of 1927, North Zone

based upon Differential GPS Measurements.

p Hole coordinates
attitude: 39°09'08.10"

Latitude: 39°11'51.72"

Latitude: 39°11'51.72" Top Hole coordinates
Latitude: 39°09'08.10"
Longitude: 80°21'07.63"
Longitude: 80°22'59.78" UTM Zone 17, NAD 1983

Top Hole Coordinates N: 4,333,882.528m

Bottom Hole Coordinates N: 4,338,907.367m E: 553,270.900m

E: 555,997.069m E: 553,270.900m

Plat orientation and corner and well references are

based upon the grid north meridian.
Well location references are based upon the magnetic meridian

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

Detail 1 - Scale: 1" = 500' (23) 6 51 (14) (15) (16 (17) (18) (6) (5) THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN T (4) 47-033-00410 83 禁 2 /56



DRAWING NO: Schoen 1205 N-1H Well Plat 1" = 2000' SCALE:

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: November 24 20 20 OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO HAM 47 033 06001

PERMIT

Top: Mount Clare

COUNTY

QUADRANGLE: Btm: West Milford COUNTY: Harrison

ACREAGE: 65.00

WELL TYPE	: OIL	X GAS	☐ LIQUID INJE	CTION	WASTE DISPOSAL
(IF	GAS) PROD	DUCTION:	☐ STORAGE	□ DEEP	⊠ SHALLOW
LOCATION:	ELEVATION	I: 1,407.3' W	ATERSHED: Midd	le West Fork C	Creek

DISTRICT: Grant / Union

SURFACE OWNER: George & Rosanne Schoen

ROYALTY OWNER: Willa Post Robey, et al

Parkersburg, WV 26101

LEASE NO:

ACREAGE: 78.20 PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION

STATE

⊠PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH; 26,929' MD

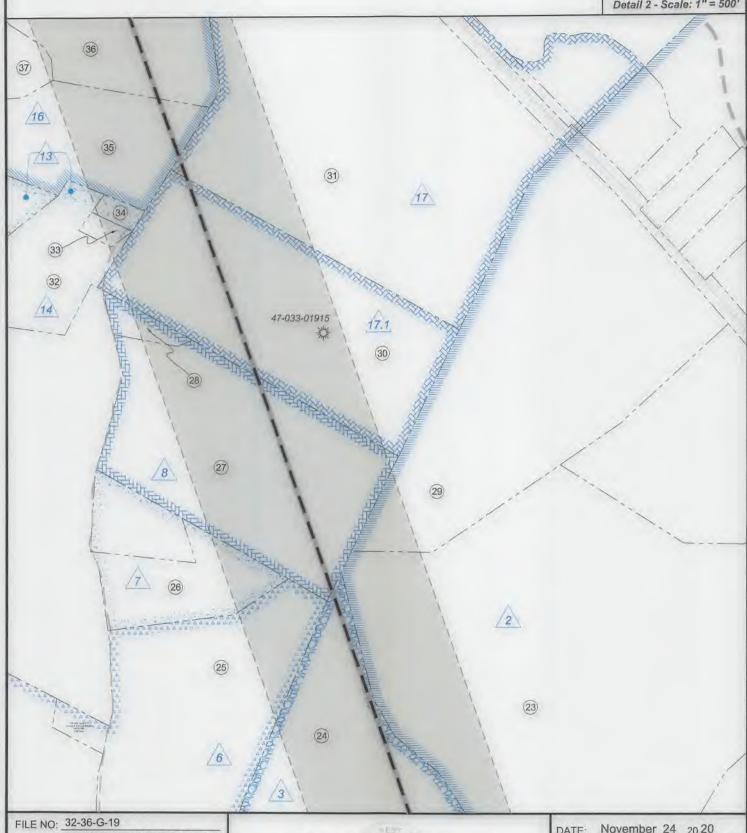
WELL OPERATOR: HG Energy II Appalachia, LLC ADDRESS: 5260 Dupont Road

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

Page 3 of 11



Detail 2 - Scale: 1" = 500'



DRAWING NO: Schoen 1205 N-1H Well Plat

SURFACE OWNER: George & Rosanne Schoen

ROYALTY OWNER: Willa Post Robey, et al

1" = 2000" SCALE:

MINIMUM DEGREE OF ACCURACY:

Submeter

PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

DISTRICT: Grant / Union

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

DATE: November 24 20 20

OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO 033

47 STATE COUNTY

- 06001 PERMIT

WELL TYPE: □ OIL X GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek

Top: Mount Clare Btm: West Milford

COUNTY: Harrison

ACREAGE: 65.00

ACREAGE: 78.20 LEASE NO:

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

☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' 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





DRAWING NO: Schoen 1205 N-1H 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

OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

Top: Mount Clare QUADRANGLE: Btm: West Milford COUNTY: Harrison

ACREAGE: 65.00

47 033 10000 STATE COUNTY PERMIT

WELL T	YPE: OIL	X GAS	☐ LIQUID INJE	CTION [W	ASTE DISPOS	AL
	(IF GAS) PRO	DUCTION:	☐ STORAGE	□ DEEP	X	SHALLOW	
LOCATI	ON: ELEVATIO	N·1 407 3' W	ATERSHED: Midd	le West Fork	Cree	sk	

DISTRICT: Grant / Union

SURFACE OWNER: _ George & Rosanne Schoen

ROYALTY OWNER: Willa Post Robey, et al

ACREAGE: 78.20 LEASE NO:

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

☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS:

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

5260 Dupont Road ADDRESS:

Parkersburg, WV 26101

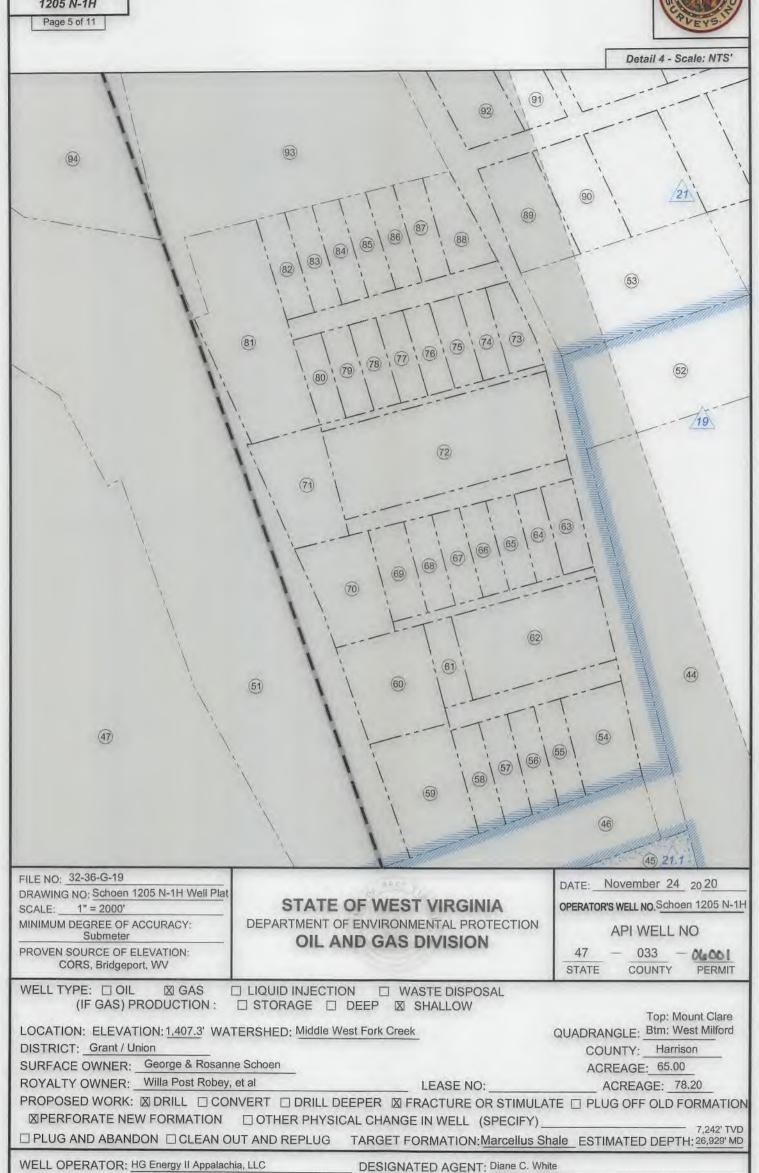
TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD

ADDRESS:

5260 Dupont Road

Parkersburg, WV 26101





ADDRESS:

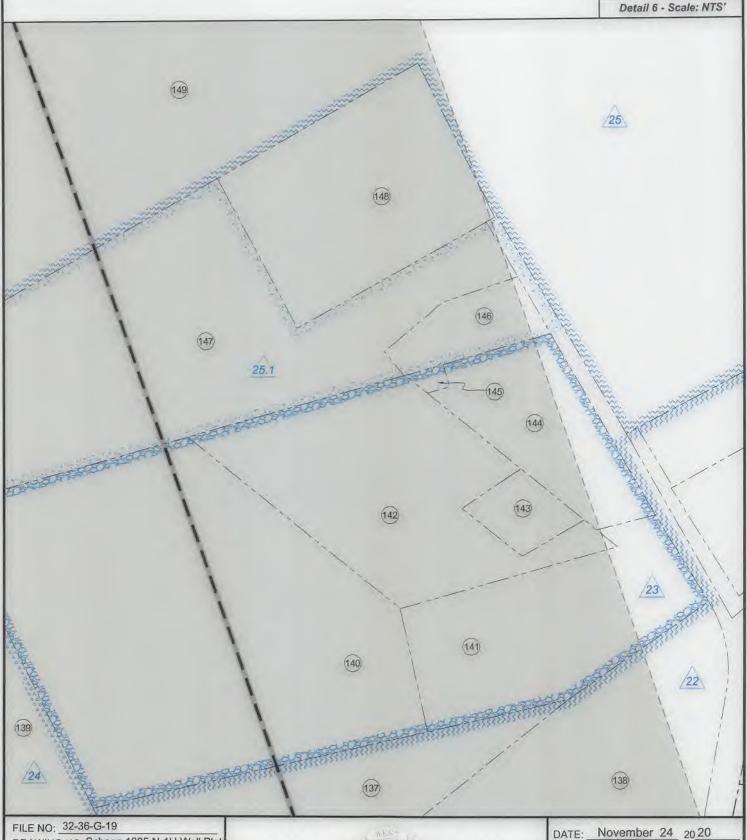
5260 Dupont Road

Parkersburg, WV 26101

HG Energy II Appalachia, LLC Well No. Schoen 1205 N-1H Page 6 of 11 Detail 5 - Scale: NTS 138 (112) 35555555 53.22.53.53.53.53.53.53 123 /22 (124) (122) (134) (135) (125) (121) (137) (133) (126) (119) (120) /21 (132) 106 (127) (118) (131) (116) (117) (128) 105 (129) (130) 104 (115) (114) (110) (113) 103 (109) (102) (108) (107) (101) (100) 99 98 93 (97) 94 96 95 (51) 92 (91) FILE NO: 32-36-G-19 DATE: November 24 20 20 DRAWING NO: Schoen 1205 N-1H Well Plat STATE OF WEST VIRGINIA OPERATOR'S WELL NO. Schoen 1205 N-1H 1" = 2000" SCALF: MINIMUM DEGREE OF ACCURACY: DEPARTMENT OF ENVIRONMENTAL PROTECTION API WELL NO Submeter OIL AND GAS DIVISION PROVEN SOURCE OF ELEVATION: 033 06001 CORS, Bridgeport, WV STATE COUNTY PERMIT WELL TYPE: OIL X GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen ACREAGE: 65.00 ROYALTY OWNER: Willa Post Robey, et al ACREAGE: 78.20 LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White ADDRESS: 5260 Dupont Road 5260 Dupont Road ADDRESS: Parkersburg, WV 26101 Parkersburg, WV 26101

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DRAWING NO: Schoen 1205 N-1H 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: November 24 20 20 OPERATOR'S WELL NO. Schoen 1205 N-1H API WELL NO

47 033 06001 STATE COUNTY

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:

Top: Mount Clare QUADRANGLE: Btm: West Milford COUNTY: _ Harrison

ACREAGE: 65.00 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)

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD

ADDRESS:

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS:

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

5260 Dupont Road

Parkersburg, WV 26101

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FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N-1H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter

PROVEN SOURCE OF ELEVATION:

DISTRICT: Grant / Union

CORS, Bridgeport, WV

SURFACE OWNER: George & Rosanne Schoen

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

DATE: November 24 20 20

OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

47 - 033 - 06001 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

Top: Mount Clare

QUADRANGLE: Btm: West Milford

COUNTY: Harrison
ACREAGE: 65.00
ACREAGE: 78.20

ROYALTY OWNER: __Willa Post Robey, et al _____ LEASE NO: _____ ACREAGE: __78.20 ____ PROPOSED WORK: \[\text{\text{\text{DRILL}}} \] CONVERT \[\text{\text{DRILL DEEPER}} \[\text{\text{ERACTURE OR STIMULATE}} \] PLUG OFF OLD FORMATION

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS: Diane C. White

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

5260 Dupont Road

Parkersburg, WV 26101



Page 9 of 11

Detail 8 - Scale: NTS'



DRAWING NO: Schoen 1205 N-1H Well Plat 1" = 2000" SCALE:

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: November 24 20 20

OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

QUADRANGLE: Top: Mount Clare
Btm: West Milford

COUNTY: Harrison

47 033 STATE COUNTY

06001

WELL TYPE: □ OIL X 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: 65.00 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)

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD

WELL OPERATOR: HG Energy II Appalachia, LLC ADDRESS:

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

5260 Dupont Road ADDRESS: Parkersburg, WV 26101 Page 10 of 11



No.	TM / Par	Owner	Bk / Pg	Ac.
1	447/2	George & Roseanne Schoen	1148 / 1059	65.00
2	446 / 29	John F. McCuskey II, et al	1121 / 25	75.00
3	446 / 28.2	David D. Vanhorn (LE), et al	W177 / 92	42.66
4	446 / 28.4	Bradford Vanhorn	1381 / 1181	1.52
5	446 / 28.5	Robert L. Vanhorn	1352 / 91	1.52
6	446 / 15	Vera E. & Oral K. Haught	1582 / 896	14.40
7	446 / 12	Marilyn Gaines	1192 / 300	2.93
8	446 / 28.1	Andrew Schrader & Melinda Davis	1478 / 252	0.45
9	446 / 28.3	Sharon Willie	1349 / 1253	0.45
10	446 / 28	Larry E. Wilson II	1344 / 1211	0.57
11	446 / 15.1	David & Grace Hughes	1257 / 694	0.31
12	446 / 15.2	Mildred R. Dean	1060 / 270	0.72
13	446 / 13	Kimberly Vanscoy	1306 / 5	0.27
14	446 / 14	Lisa D. Grogg	1583 / 301	0.14
15	446 / 25	Lisa D. Grogg	1583 / 301	0.08
16	446 / 26.1	Robert Mendez Jr.	1435 / 330	0.18
17	446 / 24.5	Lester L. Cook Sr.	1364 / 265	0.21
18	446 / 24.1	Brooke & Lillie Swisher	1432 / 856	0.15
19	1	Brooke & Lillie Swisher	1432 / 856	0.03
20	446 / 24.2	Daniel Frazier (LE)	W165 / 1065	0.20
21	446 / 24.3	Mark & Karen Wilt	1157 / 579	0.58
22	446 / 24	Robert N. Rector (LE)	1621 / 719	82.90
23	446 / 7	James R. & Sharon L. Allman	1437 / 165	91.79
24	446/6	Robert N. Rector (LE)	1621 / 719	49.33
25	446 / 5	Kathy D. Bennett	W184 / 51	20.83
26	426 / 76	Ethan Stonko	1622 / 771	7.00
27	426 / 77	Kenneth E. Rigdon	1569 / 903	28.26
28	426 / 64	Eugene Alkire Jr.	1271 / 1183	2.00
29	426 / 66	Michael W. & Robert D. Rector	1621 / 719	41.75
30	426 / 65	G. Thomas Smith	1277 / 1174	29.79
31	426 / 50	G. Thomas Smith	1277 / 1174	66.80
32	426 / 42	Cathleen Spitler (LE), et al	1405 / 449	11.69
33	426 / 42.1	Andrew D. & Sarah N. Spitler	1669 / 645	0.57
34	426 / 43.1	Andrew D. & Sarah N. Spitler	1669 / 645	0.62
35	426 / 44	AL-N-EL Farms, LLC	1623 / 1057	17.73
36	426 / 45	Constance & Gary I. Saunders II	1591 / 100	12,43
37	426 / 40	AL-N-EL Farms, LLC	1623 / 1057	57.97
38	426 / 46	Constance & Gary I. Saunders II	1591 / 100	4.00
39	426 / 47	Constance & Gary I. Saunders II	1591 / 100	1.00
40	426 / 28	Constance & Gary I. Saunders II		2.32
41	426 / 48	Ruth Odessa Jenkins	1591 / 100 W186 / 871	0.26
42	426 / 48.3	Michael L. & Joyce D. Facemire	1598 / 792	0.28
43	426 / 48.2	John E. Messenger	1351 / 206	2.19
44	426 / 31	Mark A. & Janet H. Benincosa		TO A STATE OF
45	1000	Daniel R. & Lana M. Messenger	1054 / 401	10.4
-	426 / 29	Daniel R. & Lana M. Messenger	1194 / 1027	1.50
46	426 / 30		1151 / 210	0.82
47	426 / 26	David L. Bowles	1518 / 1298	6.05
48	426 / 25	Antonio P., LLC	1503 / 291	14.89
49	426 / 24	Ronald H. & Katherine R. Dever	1436 / 1133	1.76
50	426 / 23	Virginia M. Davisson	1349 / 60	0.62

Vo.	TM / Par	Owner	Bk/Pg	Ac.
51	426 / 27	Antonio P., LLC	1503 / 291	6.53
52	426 / 31.1	Robert C. Small	W152 / 153	1.00
53	426 / 32	Andrew B. & Angela Banyi	1626 / 1093	0.69
54	2005 / 67	Daniel M. & Nita M. Richards	1619 / 832	0.29
55	2005 / 65	James L. & Margie H. Fultineer	1340 / 1154	0.12
56	2005 / 64	James L. & Margie H. Fultineer	1340 / 1154	0.12
57	2005 / 63	George W. Bennett Jr.	W149 / 468	0.13
58	2005 / 62	George W. Bennett Jr.	W149 / 468	0,14
59	2005 / 68	Wilma L. & George W. Bennett, III	1655 / 43	0.43
60	2005 / 69	Wilma L. & George W. Bennett, III	1169 / 953	0.31
61	2005 / 56	Kathy D. Bennett	1374 / 379	0.11
62	2005 / 61	Kathy D. Bennett	1380 / 737	0.55
63	2005 / 45	Kathy D. Bennett	1281 / 712	0.11
64	2005 / 44	Kathy D. Bennett	1281 / 712	0.11
65	2005 / 43	Kathy D. Bennett	1281 / 712	0.11
66	2005 / 42	Kathy D. Bennett	1281 / 712	0.11
67	2005 / 41	Kathy D. Bennett	1281 / 712	0.11
68	2005 / 40	Kathy D. Bennett	1281 / 712	0.11
69	2005 / 39	Kathy D. Bennett	1281 / 712	0.11
70	2005 / 70	Grant-Union Public Service District	1169 / 953	0.31
71	2005 / 71	Brenda Withers	1374 / 1062	0.32
72	2005 / 33	Brenda R. Withers & Mary V. Hayes	1344 / 136	0.88
73	2005 / 23	Michael A. Wright	1626 / 1172	Lot 30
74	2005 / 22	Michael A. Wright	1626 / 1172	Lot 3
75	2005 / 21	Michael A. Wright	1626 / 1172	Lot 32
76	2005 / 20	Michael A. Wright	1626 / 1172	Lot 3
77	2005 / 19	Michael A. Wright	1626 / 1172	Lot 34
78	2005 / 18	Michael A. Wright	1626 / 1172	Lot 36
79	2005 / 17	Michael A. Wright	1626 / 1172	Lot 36
80	2005 / 16	Michael A. Wright	1626 / 1172	Lot 37
81	2005/5	Michael A. Wright (Lots 30-44)	1626 / 1172	2.47
82	2005/6	Michael A. Wright	1626 / 1172	Lot 4
83	2005/7	Michael A. Wright	1626 / 1172	Lot 4
84	2005/8	Michael A. Wright	1626 / 1172	Lot 4
85	2005/9	Michael A. Wright	1626 / 1172	Lot 4
86	2005 / 10	Michael A. Wright	1626 / 1172	Lot 40
87	2005 / 11	Michael A. Wright	1626 / 1172	Lot 39
88	2005 / 12	Mary A. Wright, et al	1329 / 924	Lot 38
89	2015 / 70	Joe A. Abraham	1618 / 1296	0.28
90	2015 / 69	Daniel Gusick	1580 / 854	0.24
91	2015 / 72	Debra D. Carpenter & Sarah L. Jones	1631 / 386	0.26
92	2015 / 71	WV Housing Development Fund	1290 / 995	0.26
93	426 / 34.1	Jacob D. & Nancy L. Post	1023 / 150	9.27
94	426 / 20	Grafton Coal Company	1016 / 223	6.00
95	2015 / 73	Timothy S. Cole	1399 / 1046	0.24
96	2015 / 74	WV Housing Development Fund	1290 / 995	0.24
97	2015 / 75	WV Housing Development Fund	1290 / 995	0.24
98	2015 / 76	WV Housing Development Fund	1290 / 995	0.11
99	2015 / 77	Andrew R. & Cheryl A. Colombo	1320 / 873	0.25
90	2010/1/	Quintin J. Moore & Lora K. Varner	10201013	0.20

FILE NO: 32-36-G-19

DRAWING NO: Schoen 1205 N-1H 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: November 24 20,20

OPERATOR'S WELL NO, Schoen 1205 N-1H

API WELL NO

47 — 033 — 04001

STATE COUNTY PERMIT

	DEEP M SHALLOW	Top: Mount Clare
LOCATION: ELEVATION: 1.407.3' WATERSHED: Middle W	est Fork Creek	QUADRANGLE: Btm: West Milford
DISTRICT: _Grant / Union		COUNTY: Harrison
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 D ☑ PERFORATE NEW FORMATION ☐ OTHER PHYSIC		
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG	TARGET FORMATION: Marcellus	Shale ESTIMATED DEPTH: 26,929' MD
WELL OPERATOR: HG Energy II Appalachia, LLC	DESIGNATED AGENT: Diane C. V	Vhite
ADDRESS: 5260 Dupont Road	ADDRESS: 5260 Dupo	ont Road
Parkersburg, WV 26101	Parkersbur	rg, WV 26101

Page 11 of 11



No.	TM / Par	Owner	Bk / Pg	Ac.
101	2015 / 79	William R. Reed Jr.	1403 / 601	0.33
102	2015 / 80	Thomas M. Tice & Michelle L. Liptak	1319 / 1062	0.36
103	2015 / 81	Jesse D. Garrett	1403 / 1133	0.29
104	2015 / 82	John & Mary R. Miller	1397 / 1177	0.22
105	2015 / 83	John & Mary R. Miller	1397 / 1177	0.20
106	2015 / 39	John & Mary R. Miller	1310 / 1206	0.25
107	2015 / 87	Kelly J. Morrison	1308 / 708	0.27
108	2015 / 86	Andrew T. & Jenna L. Richman	1658 / 100	0.24
109	2015 / 85	Ericka A. Aversa	1615 / 475	0.21
110	2015 / 84	James & Meagen K. Johnson	1499 / 665	0.27
111	2015 / 37	Yancy Weaver & Kim Moschella	1482 / 396	0.26
112	2015 / 35	Christopher C. Brooks	1450 / 235	0.24
113	2005 / 55	Gale L. & Melissa A. Zickefoose	1475 / 318	0.12
114	2005 / 54	Flossie B. Cogis	1247 / 10	0.08
115	2005 / 53	Flossie B. Cogis	1247 / 10	0.17
116	2005 / 52	Timothy H. Bennett	1398 / 1065	0.05
117	2005 / 51	Timothy H. Bennett	1398 / 1065	0.17
118	2005 / 38	Timothy H. Bennett	1398 / 1065	0.09
119	2005 / 26	Timothy H. Bennett	1398 / 1065	0.00
120	2005 / 27	Timothy H. Bennett	1398 / 1065	0.06
121	2005 / 15	Timothy H. Bennett	1398 / 1065	0.11
122	2005/3	Timothy H. Bennett	1398 / 1065	0.10
123	2005 / 4	Timothy H. Bennett	1082 / 69	0.16
124	2005/2	Timothy H. Bennett	1398 / 1065	0.11
125	2005 / 14	Timothy H. Bennett	1398 / 1065	0.12
126	2005 / 25	Timothy H. Bennett	1398 / 1065	0.12
127	2005 / 37	Timothy H. Bennett	1398 / 1065	0.12
128	2005 / 49	Amanda D. Lewis & James A. Newman	1602 / 1229	0,15
129	2005 / 50	Mary L. Smith, et al	W177 / 1179	48 SF
130	2005 / 46	Flossie B. Cogis	W175 / 144	0.17
131	2005 / 48	Donald J. & Shelly A. Cavalier	1673 / 24	0.12
132	2005 / 36	Robert M. Tangari	1193 / 686	0.40
133	2005 / 24	Robert M. Tangari	1193 / 686	0.10
134	2005 / 13	Robert M. Tangari	1193 / 686	0.09
135	2005/1	Robert M. Tangari	1193 / 686	0.08
136	426 / 34,4	Grant-Union Public Service District	1170 / 132	0.03
137	426 / 10	Judith A. Eaton	1400 / 929	2.73
138	426 / 11	Nancy Sue Greaver	1231 / 836	2.00
139	426 / 8	Antonio P. LLC	1503 / 291	19.00
140	426 / 9.1	Rose Belle	1609 / 568	4.30

No.	TM / Par	Owner	Bk/Pg	Ac.
141	426 / 9	Juliet Rose Belle	1603 / 338	1,38
142	406 / 36.1	Walter D. Snider & Rebecca A. Kayser	1346 / 961	1.74
143	406 / 36.2	Eugene Ray Messer	1619 / 210	0.21
144	406 / 36	Jacob & Nancy Post	1045 / 273	0.90
145	406 / 36.3	Grant-Union Public Service District	1164 / 952	0.03
146	406 / 37.1	Danielle Davisson & Robert Radabaugh	1515 / 979	0.32
147	406 / 37	Gregory & Jaqueline Abraham	1301 / 236	3.54
148	406 / 38	Judith Hayhurst	935/9	1.45
149	406 / 24	Clarence Howe Woodford II, et ux	W163/1145	160.49
150	426 / 8	Antonio P., LLC	1503 / 291	19.00
151	406 / 31	Antonio P., LLC	1503 / 291	14.65
152	406 / 21.5	Monongahela Power Co.	1083 / 210	0.45
153	406 / 21.4	Monongahela Power Co.	1083 / 210	2.76
154		Terry L. & Cathy D. Williams	1662 / 1294	9.66
155	406 / 24.2	Steven & Shanna Bolyard	1558 / 892	0.32
156	406 / 24.1	Steven & Shanna Bolyard	1558 / 892	0.72
157	406 / 22	David L. Scranage & Eva L. Scranage	952 / 204	0.38
158	406 / 22.1	David L. Scranage & Eva L. Scranage	912 / 274	0.46
159	406 / 21.7	Eva L. Scranage	1427 / 565	2.26
160	406A / 33	James & Megan Kennedy	1594 / 1121	0.43
161	406A / 21	James S. Skinner	1559 / 1053	0.47
162	406A / 22	James S. Skinner	1515 / 519	0.23
163	406A / 5	Jerry Hughes	1095 / 649	0.23
164	406A / 35	Harley R. & Linda L. Coberly	1229 / 315	0.79
165	406A / 20	Stephen & Shiela Nelson	1266 / 1097	0.36
166	406A / 1	Ernie & Linda Morgan	1266 / 35	0.35
167	406A / 2	Emie & Linda Morgan	1266 / 35	0.35
168	406A/3	David & Nancy Nester	1079 / 620	0.44
169	406 / 21	Robert K. Lowther	1427 / 565	17.44
170	406 / 21.8	Brian K. & Jayme E. Lowther	1506 / 806	49.53
171	406 / 21.9	Brian K. & Jayme E. Lowther	1652 / 85	6.03
172	406 / 8	Robert J. Stenger	1621 / 54	166.25
173	406 / 7.15	Michael L. & C. Vanessa Bond	1393 / 1095	4.27
174	406 / 7.13	Michael L. & C. Vanessa Bond	1368 / 579	4.26
175	406 / 6	Richard K. Williams	1344 / 966	40.12
176	406/9	John L. & Mary E. Stenger	1580 / 204	309.00
177	386 / 108	John L. Stenger	1309 / 666	7.44

DRAWING NO: Schoen 1205 N-1H 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

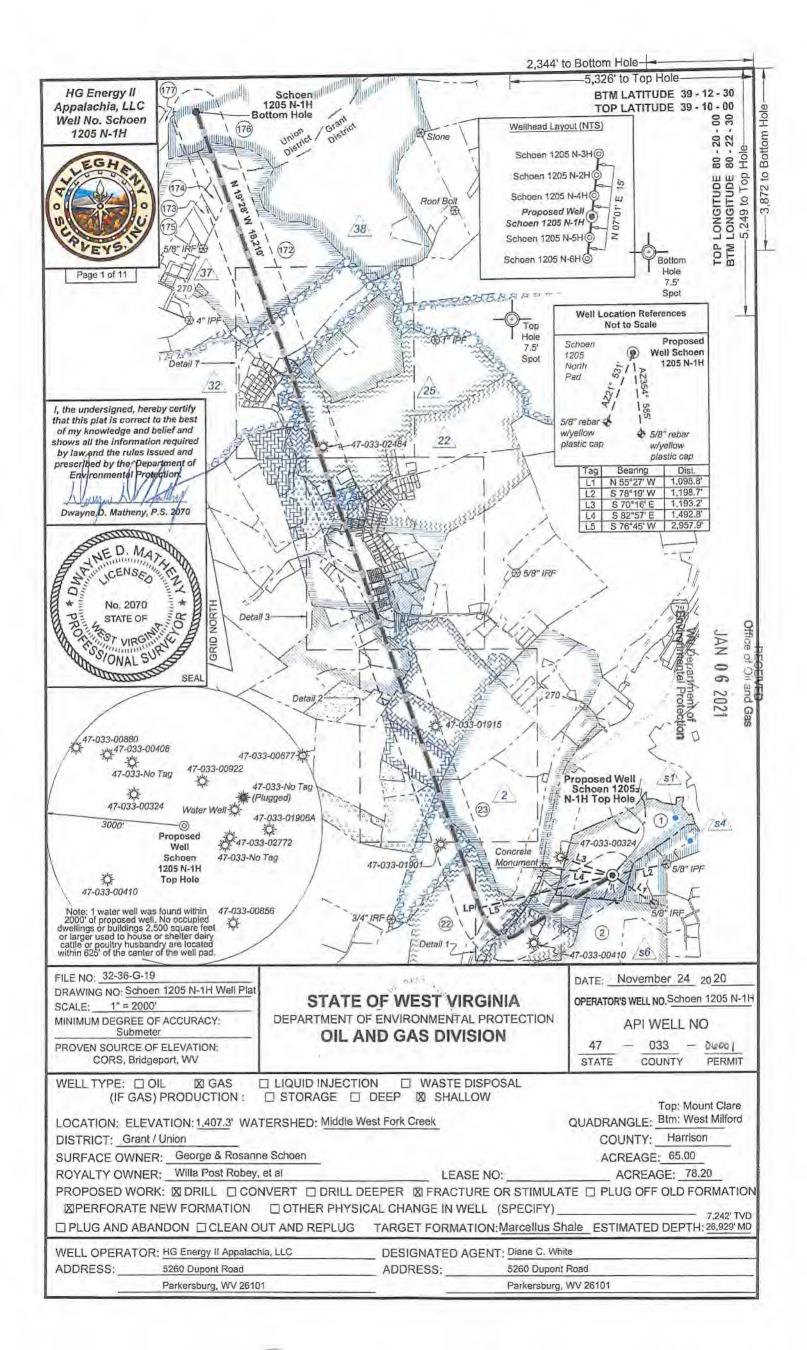
DATE: November 24 20 20 OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

47	- 033 -	06001
STATE	COUNTY	PERMIT

WELL TYPE: ☐ OIL ☐ GAS ☐ LIQUID INJECTION (IF GAS) PRODUCTION : ☐ STORAGE ☐ DI	☐ WASTE DISPOSAL EEP ☒ SHALLOW	Top: Mount Clare
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West	Fork Creek	QUADRANGLE: Btm: West Milford
DISTRICT: Grant / Union		COUNTY: Harrison
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 DEE	PER X FRACTURE OR STIM	ULATE PLUG OFF OLD FORMATION
☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL	L CHANGE IN WELL (SPECIF	Y)
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG T	ARGET FORMATION: Marcellu	s Shale ESTIMATED DEPTH: 26,929' MD

☐ PLUG AND A	BANDON CLEAN OUT AND REPLUG	TARGET FORMAT	ION: Marcellus Shale ESTIMATED DEPTH: 26,929' M
WELL OPERAT	OR: HG Energy II Appalachia, LLC	DESIGNATED AG	SENT: Diane C. White
ADDRESS:	5260 Dupont Road	ADDRESS:	5260 Dupont Road
	Parkersburg, WV 26101		Parkersburg, WV 26101



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Notes: Well No. Schoen 1205 N-1H UTM NAD 1983 (USSF) Top Hole Coordinates

N: 14,218,746.26' E: 1,824.133.72' Landing Point Coordinates N: 14,218,068.60' E: 1,821,254.50' Bottom Hole Coordinates N: 14,235,231.92' E: 1,815,189.61

Notes:
Well No. Schoen 1205 N-1H
West Virginia Coordinate System of 1927, North Zone

based upon Differential GPS Measurements.

Top Hole coordinates
Latitude: 39°09'08.10"

Longitude: 80°22'107.63"

Longitude: 80°22'59.78"

LONGITUDE: 17.102 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 |

based upon the grid north meridian.
Well location references are based upon the magnetic

meridian.

	Legena
0	Proposed gas well
	Well Reference, as noted
€	Monument, as noted
类	Existing Well, as noted
**	Existing Plugged Well, as noted
娄	Digitized Well, as noted
	Surface boundary (approx.)
	Interior surface tracts (approx.)
	Creek or Drain
	Existing Road
-	Railroad Tracks

ID Lease A.B. Post, et al s1 Emma A. Waggoner, et al 53 s4 Charlotte C. Gerlach, et al s6 Susan V. Curry, et al J.N. Rector, et al 2 Marcella R. Bond, et vir, et al S.J. Davisson 3 Lillie D. Gifford, et al 6 J.C. McWhorter, et al 7 Mary E. Kennedy, et al 8 Charles R. Sutton, et al 13 14 Alton Bell 16 Martha Davis, et vir, et al 17 Lillie Gifford, et al 17.1 Lillie Gifford, et al. Georgia A. Barnes 18 Georgia A. Barnes 19 A.W. Smith 21 Richard R. Bond 21.1 Nillie Jo Brissey 21.2 Frank Swisher, et al 22 J.O. Butcher, et ux 23 H.D. Smith, et ux, et al 24 25 C.H. Woodford, et ux, et al 25.1 Gregory A. Abraham, el ux 30 Frank Sinclair, et al Luan B. Vinson, et al 31 Porter Maxwell, et ux, et a 32 32.1 David L. Scranage, et ux 34 I. Wilson & Edna M. Swisher W.B. Van Horn, et ux 37 Locie C. Stout, et al 38 43 Hattie B. Cummins

Detail 1 - Scale: 1" = 500' (23) 6 (14) (15) (6) (5) 4 47-033-00410 s3 禁 (3) 2

FILE NO: 32-36-G-19 DRAWING NO: Schoen 1205 N-1H Well Plat 1" = 2000' SCALE: MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION:

CORS, Bridgeport, WV

SURFACE OWNER: George & Rosanne Schoen

ROYALTY OWNER: Willa Post Robey, et al

DISTRICT: Grant / Union

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

45-1

DATE: November 24 2020 OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

47 033 06001 PERMIT COUNTY STATE

WELL T	YPE:	OIL	X GAS	☐ LIQUID	INJEC	TIC	ON 🗆	W	ASTE DISPOS	AL
	(IF	GAS) PR	ODUCTION:	□ STOR	AGE		DEEP	X	SHALLOW	
LOCATI	ON: I	ELEVATION OF THE PROPERTY OF T	ON: 1 407 3' W	ATERQUED	Middle	W e	est Fork (Cree	le	

Top: Mount Clare QUADRANGLE: Btm: West Milford COUNTY: Harrison

ACREAGE: 65.00

ACREAGE: 78.20 LEASE NO: POPOSED WORK FIDDILL IT CONVERT IT DRILL DEEDER IN ERACTURE OR STIMULATE IT RULE OFF OLD FORMATION

PROPOSED WORK. MUNICL LICON	VERT DINILL DEEPER MITRACIONE	OK STIMULATE I FLOG OFF OLD FORMATION
INTERFORATE NEW FORMATION	☐ OTHER PHYSICAL CHANGE IN WELL	(SPECIFY) 7 242′ TVD

☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG	TARGET FORMATION:	Marcellus Shale ESTIMATED DEPTH: 26,929' MD
WELL OPERATOR: HG Energy II Appalachia, LLC	DESIGNATED AGENT	T: 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-1H Page 3 of 11 Detail 2 - Scale: 1" = 500' 36) 16 13 (31) 17 (32) 47-033-01915 29 25) FILE NO: 32-36-G-19 DATE: November 24 20 20 DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA SCALE: 1" = 2000' DEPARTMENT OF ENVIRONMENTAL PROTECTION MINIMUM DEGREE OF ACCURACY: API WELL NO Submeter OIL AND GAS DIVISION 47 033 PROVEN SOURCE OF ELEVATION: DECOU CORS, Bridgeport, WV PERMIT STATE COUNTY ☐ LIQUID INJECTION ☐ WASTE DISPOSAL X GAS WELL TYPE: □ OIL ☐ STORAGE ☐ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union ACREAGE: 65.00 SURFACE OWNER: George & Rosanne Schoen ROYALTY OWNER: Willa Post Robey, et al ACREAGE: 78.20 LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White

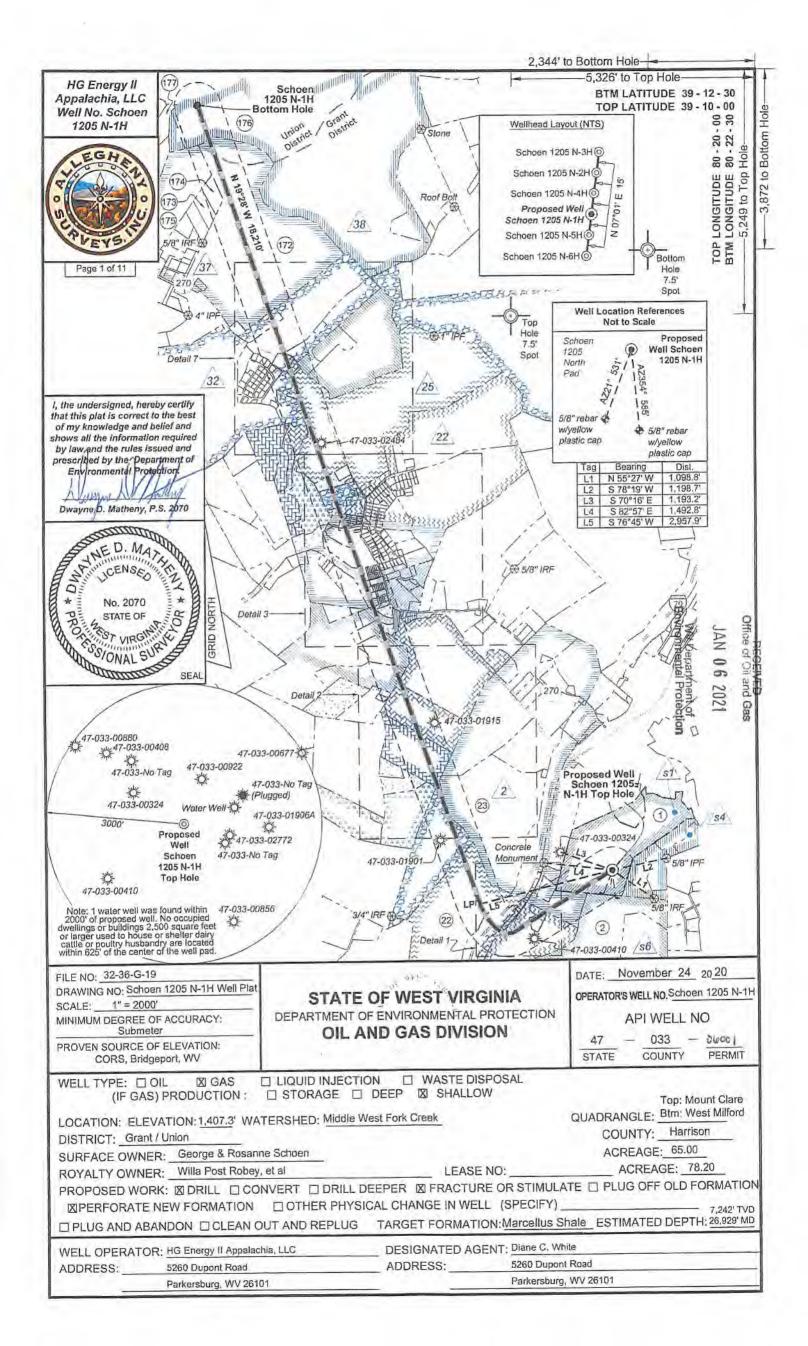
ADDRESS:

5260 Dupont Road

Parkersburg, WV 26101

ADDRESS:

5260 Dupont Road Parkersburg, WV 26101



Page 2 of 11



Notes: Well No. Schoen 1205 N-1H UTM NAD 1983 (USSF)

Top Hole Coordinates N: 14,218,746,26 E: 1,824,133.72 Landing Point Coordinates N: 14,218,068.60 E: 1,821,254.50' Bottom Hole Coordinates N: 14,235,231.92 E: 1,815,189.61

Notes: Well No. Schoen 1205 N-1H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Top Hole coordinates
Latitude: 39°09'08.10"
Longitude: 80°21'07.63"
Bottom Hole coordinates
Latitude: 39°11'51.72"
Longitude: 80°22'59.78" UTM Zone 17, NAD 1983

Top Hole Coordinates N: 4,333,882,528m E: 555,997.069m Bottom Hole Coordinates N: 4,338,907.367m E: 553,270.900m

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

meridian.

Legend			
0	Proposed gas well		
0	Well Reference, as noted		
(3)	Monument, as noted		
禁	Existing Well, as noted		
*	Existing Plugged Well, as noted		
紫	Digitized Well, as noted		
	Surface boundary (approx.)		
	Interior surface tracts (approx.)		
_ =	Creek or Drain		
	Existing Road		

 Creek or Drain
 Existing Road
Railroad Tracks

ŝ1 A.B. Post, et al. 53 Emma A. Waggoner, et al Charlotte C. Gerlach, et al 94 Susan V. Curry, et al 56 J.N. Rector, et al Marcella R. Bond, et vir, et al 2 3 S.J. Davisson 6 Lillie D. Gifford, et al 7 J.C. McWhorter, et al. 8 Mary E. Kennedy, et al 13 Charles R. Sullon, et al 14 Alton Bell Martha Davis, et vir, et al 16 Lillie Gifford, et al 17 Lillie Gifford, et al 17.1 18 Georgia A. Bames 19 Georgia A. Barnes A.W. Smith 21 Richard R. Bond 21.1 Nillie Jo Brissey 21.2 Frank Swisher, et al 22 23 J.O. Butcher, et ux H.D. Smith, et ux, et a 24 25 C.H. Woodford, et ux, et al 25.1 Gregory A. Abraham, et ux 30 Frank Sinclair, et al 31 Luan B. Vinson, et al Porter Maxwell, et ux. et al 32 David L. Scranage, et ux 32.1 I. Wilson & Edna M. Swisher 34 37 W.B. Van Hom. et ux 38 Locie C. Stout, et al 43 Hattie B. Cummins

Lease

ID

Detail 1 - Scale: 1" = 500" (23) (6) (14) 6 (5) 4 47-033-00410 53 禁 (3) (2) DATE: November 24 20 20

FILE NO: 32-36-G-19 DRAWING NO: Schoen 1205 N-1H Well Plan 1" = 2000' SCALE: MINIMUM DEGREE OF ACCURACY: Submeter PROVEN SOURCE OF ELEVATION:

CORS, Bridgeport, WV

SURFACE OWNER: George & Rosanne Schoen

DISTRICT: Grant / Union

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

OPERATOR'S WELL NO. Schoen 1205 N-1H API WELL NO 033 04001

COUNTY

PERMIT

WELL TYPE: ☐ OIL ☐ GAS (IF GAS) PRODUCTION:	☐ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1,407.3' W.	ATERSHED: Middle West Fork Creek

Top: Mount Clare QUADRANGLE: Btm: West Milford COUNTY: Harrison

ACREAGE: 65.00 ACREAGE: 78.20 LEASE NO:

STATE

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)

TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG

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

ADDRESS:

5260 Dupont Road

Parkersburg, WV 26101



Page 3 of 11 Detail 2 - Scale: 1" = 500 36) (37) 16 (35) 13 (31) 17 (32) 14 47-033-01915 (29) (25) DATE: November 24 20 20 FILE NO: 32-36-G-19 DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA SCALE: _ 1" = 2000' DEPARTMENT OF ENVIRONMENTAL PROTECTION API WELL NO MINIMUM DEGREE OF ACCURACY: OIL AND GAS DIVISION Submeter 033 47 04001 PROVEN SOURCE OF ELEVATION: STATE COUNTY PERMIT CORS, Bridgeport, WV ☐ LIQUID INJECTION ☐ WASTE DISPOSAL X GAS ☐ STORAGE ☐ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen ACREAGE: 65.00 ACREAGE: 78.20 ROYALTY OWNER: Willa Post Robey, et al LEASE NO: _ PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD DESIGNATED AGENT: Diane C. White WELL OPERATOR: HG Energy II Appalachia, LLC

5260 Dupont Road

Parkersburg, WV 26101

ADDRESS:

RECEIVED Gas HG Energy II Appalachia, LLC Well No. Schoen 1505 90 NAL 1205 N-1H Page 4 of 11 WV Department of Environmental Proteotion Detail 3 - Scale: 1" = 500" /24 (140) (94) (51) (47) 718 38 21.2 (37) 16 (36) FILE NO: 32-36-G-19 DATE: November 24 20 20 DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA 1" = 2000" SCALE: DEPARTMENT OF ENVIRONMENTAL PROTECTION MINIMUM DEGREE OF ACCURACY: API WELL NO Submeter DECCI OIL AND GAS DIVISION 033 PROVEN SOURCE OF ELEVATION: COUNTY PERMIT CORS, Bridgeport, WV STATE ☐ LIQUID INJECTION ☐ WASTE DISPOSAL WELL TYPE: OIL X GAS □ STORAGE □ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED; Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen ACREAGE: 65.00 ROYALTY OWNER: Willa Post Robey, et al ACREAGE: 78.20 LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG DESIGNATED AGENT: Diane C. White WELL OPERATOR: HG Energy II Appalachia, LLC 5260 Dupont Road ADDRESS: ADDRESS: _ 5260 Dupont Road Parkersburg, WV 26101 Parkersburg, WV 26101

RECEIVED Office of Oil and Gas HG Energy II Appalachia, LLC Well No. Schoen JAN 06 2021 1205 N-1H Page 5 of 11 WV Department of Environmental Protection Detail 4 - Scale: NTS (91) (93) 94) (90) (89) (88) (85) 84 (83) (82) (53) 74) 75) (76) 77 (7B) (52) 79 (80) 719 (72) (71) 64) 67 68) (69) 70 62 (61) 60 (51) (54) (47) (55) (56) (58) (59) 45 21.1 FILE NO: 32-36-G-19 DATE: November 24 20 20 DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA 1" = 2000' SCALE: DEPARTMENT OF ENVIRONMENTAL PROTECTION MINIMUM DEGREE OF ACCURACY: API WELL NO Submeter OIL AND GAS DIVISION 033 06001 PROVEN SOURCE OF ELEVATION: PERMIT COUNTY CORS, Bridgeport, WV STATE ☐ LIQUID INJECTION ☐ WASTE DISPOSAL WELL TYPE: OIL X GAS ☐ STORAGE ☐ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen ACREAGE: 65.00 ROYALTY OWNER: Willa Post Robey, et al ACREAGE: 78.20 LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929 MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG DESIGNATED AGENT: Diane C. White WELL OPERATOR: HG Energy II Appalachia, LLC 5260 Dupont Road ADDRESS: ADDRESS: _ 5260 Dupont Road Parkersburg, WV 26101 Parkersburg, WV 26101

RECEIVED Office of Oil and Gas HG Energy II Appalachia, LLC Well No. Schoen JAN 06 2021 1205 N-1H Page 6 of 11 WV Department of Environmental Protection Detail 5 - Scale: NTS (138) \$\$\$\$\$\$\$\$\$\$\$\$\$\$ (112) 123 /22 (124) (122) (134) (135) (125) (121) (137) (133) (126) (119) (120) /21 106 (132) (127) (118) (131) (116) (117) (128) (105) (129) 104 (115) (110) 136 (103) (113) (109) (102) (108) (107) (101) (100) (99) (98) (93) 97) (94) 96) (95) 92 91 (51) FILE NO: 32-36-G-19 DATE: November 24 20 20 WEST. DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA 1" = 2000' SCALE: DEPARTMENT OF ENVIRONMENTAL PROTECTION API WELL NO MINIMUM DEGREE OF ACCURACY: OIL AND GAS DIVISION Submeter 47 033 06001 PROVEN SOURCE OF ELEVATION: PERMIT COUNTY STATE CORS, Bridgeport, WV ☐ WASTE DISPOSAL ☐ LIQUID INJECTION WELL TYPE: OIL X GAS ☐ STORAGE ☐ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen ACREAGE: 65.00 ACREAGE: 78.20 ROYALTY OWNER: Willa Post Robey, et al LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG DESIGNATED AGENT: Diane C. White WELL OPERATOR: HG Energy II Appalachia, LLC

5260 Dupont Road

Parkersburg, WV 26101

ADDRESS:

ADDRESS:

5260 Dupont Road

Parkersburg, WV 26101

HG Energy II Appalachia, LLC Well No. Schoen 1205 N-1H

Page 7 of 11

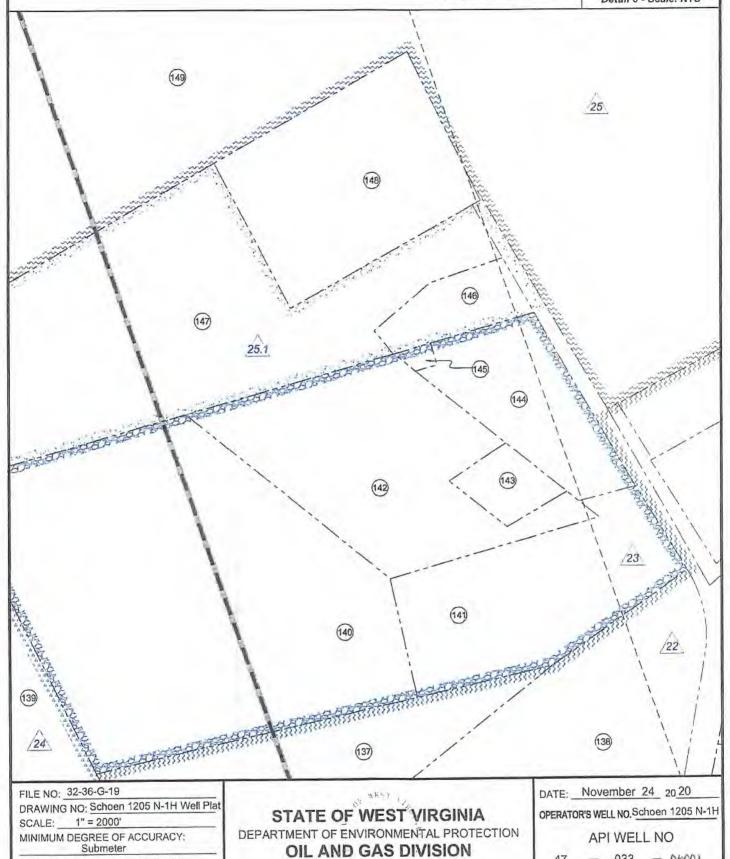
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Office of O'l and Gas

JAN 06 2021



WV Department of Environmental Protection

Detail 6 - Scale: NTS



PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV ☐ WASTE DISPOSAL ☐ LIQUID INJECTION WELL TYPE: OIL X GAS ☐ STORAGE ☐ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek

DISTRICT: Grant / Union

SURFACE OWNER: George & Rosanne Schoen

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

47

STATE

06001

PERMIT

033

COUNTY

ACREAGE: 78.20 ROYALTY OWNER: Willa Post Robey, et al LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION

☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG

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

HG Energy II Appalachia, LLC Well No. Schoen 1205 N-1H

ADDRESS:

5260 Dupont Road

Parkersburg, WV 26101

Office of Quand Gas



JAN 06 2021 Page 8 of 11 WW Department of Environmental Protection Detail 7 - Scale: 1" = 500" 172 32 (170) (169 34 153 152 (149) /25 ¥ 47-033-02484 /30 FILE NO: 32-36-G-19 DATE: November 24 20 20 DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA 1" = 2000' SCALE: DEPARTMENT OF ENVIRONMENTAL PROTECTION MINIMUM DEGREE OF ACCURACY: API WELL NO Submeter OIL AND GAS DIVISION 033 06001 PROVEN SOURCE OF ELEVATION: PERMIT COUNTY CORS, Bridgeport, WV STATE ☐ WASTE DISPOSAL WELL TYPE: OIL ☐ LIQUID INJECTION X GAS (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP IXI SHALLOW Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union ACREAGE: 65.00 SURFACE OWNER: George & Rosanne Schoen ROYALTY OWNER: Willa Post Robey, et al ACREAGE: 78.20 LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG DESIGNATED AGENT: Diane C. White WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS:

Parkersburg, WV 26101

HG Energy II Appalachia, LLC Office of Oil and Gas Well No. Schoen 1205 N-1H Page 9 of 11 JAN 06 2021 WV Department of Environmental Protect Detail 8 - Scale: NTS 170 (169) 168 (167) 32.1 (166) (165) (155) (163) (161) (160) (154) (153) DATE: November 24 20 20 FILE NO: 32-36-G-19 DRAWING NO: Schoen 1205 N-1H Well Plat OPERATOR'S WELL NO. Schoen 1205 N-1H STATE OF WEST VIRGINIA 1" = 2000" SCALE: DEPARTMENT OF ENVIRONMENTAL PROTECTION API WELL NO MINIMUM DEGREE OF ACCURACY: OIL AND GAS DIVISION Submeter 47 06001 PROVEN SOURCE OF ELEVATION: PERMIT COUNTY CORS, Bridgeport, WV STATE ☐ LIQUID INJECTION □ WASTE DISPOSAL X GAS WELL TYPE: OIL □ STORAGE □ DEEP ☒ SHALLOW (IF GAS) PRODUCTION: Top: Mount Clare QUADRANGLE: Btm: West Milford LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek COUNTY: Harrison DISTRICT: Grant / Union ACREAGE: 65.00 SURFACE OWNER: George & Rosanne Schoen ACREAGE: 78.20 ROYALTY OWNER: Willa Post Robey, et al LEASE NO: PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☑PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,929' MD ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG DESIGNATED AGENT: Diane C. White WELL OPERATOR: HG Energy II Appalachia, LLC 5260 Dupont Road ADDRESS: _ ADDRESS: 5260 Dupont Road Parkersburg, WV 26101 Parkersburg, WV 26101

Page 10 of 11

RECEIVED Office of Oil and Gas

JAN 06 2021

WV Department of Environmental Protection



No.	TM / Par	Owner	Bk/Pg	Ac.	No.	TM / Par
1	447/2	George & Roseanne Schoen	1148 / 1059	65.00	51	426 / 27
2	446 / 29	John F. McCuskey II, et al	1121 / 25	75.00	52	426 / 31.1
3	446 / 28.2	David D. Vanhorn (LE), et al	W177 / 92	42.66	53	426 / 32
4	446 / 28.4	Bradford Vanhorn	1381 / 1181	1.52	54	2005 / 67
5	446 / 28.5	Robert L. Vanhom	1352 / 91	1.52	55	2005 / 65
6	446 / 15	Vera E. & Oral K. Haught	1582 / 896	14.40	.56	2005 / 64
7	446 / 12	Marilyn Gaines	1192 / 300	2.93	57	2005 / 63
8	446 / 28.1	Andrew Schrader & Melinda Davis	1478 / 252	0.45	58	2005 / 62
9	446 / 28.3	Sharon Willie	1349 / 1253	0.45	59	2005 / 68
10	446 / 28	Larry E. Wilson II	1344 / 1211	0.57	60	2005 / 69
11	446 / 15.1	David & Grace Hughes	1257 / 694	0.31	61	2005 / 56
12	446 / 15.2	Mildred R. Dean	1060 / 270	0.72	62	2005 / 61
13	446 / 13	Kimberly Vanscoy	1306 / 5	0.27	63	2005 / 45
14	446 / 14	Lisa D. Grogg	1583 / 301	0.14	64	2005 / 44
15	446 / 25	Lisa D. Grogg	1583 / 301	0.08	65	2005 / 43
16	446 / 26.1	Robert Mendez Jr.	1435 / 330	0.18	66	2005 / 42
17	446 / 24.5	Lester L. Cook Sr.	1364 / 265	0.21	67	2005 / 41
18	446 / 24.1	Brooke & Lillie Swisher	1432 / 856	0.15	68	2005 / 40
19	446 / 24.4	Brooke & Lillie Swisher	1432 / 856	0.03	69	2005 / 39
20	446 / 24.2	Daniel Frazier (LE)	W165 / 1065	0.20	70	2005 / 70
21	446 / 24.3	Mark & Karen Wilt	1157 / 579	0.58	71	2005 / 71
22	446 / 24	Robert N. Rector (LE)	1621 / 719	82.90	72	2005 / 33
23	446/7	James R. & Sharon L. Allman	1437 / 165	91.79	73	2005 / 23
24	446/6	Robert N. Rector (LE)	1621 / 719	49.33	74	2005 / 22
25	446/5	Kathy D, Bennett	W184 / 51	20.83	75	2005 / 21
26	426 / 76	Ethan Stonko	1622 / 771	7.00	76	2005 / 20
27	426 / 77	Kenneth E. Rigdon	1569 / 903	28.26	77.	2005 / 19
28	426 / 64	Eugene Alkire Jr.	1271 / 1183	2,00	78	2005 / 18
29	426 / 66	Michael W. & Robert D. Rector	1621 / 719	41.75	79	2005 / 17
30	426 / 65	G. Thomas Smith	1277 / 1174	29.79	80	2005 / 18
31	426 / 50	G. Thomas Smith	1277 / 1174	66.80	81	2005/5
32	426 / 42	Cathleen Spitler (LE), et al	1405 / 449	11.69	82	2005/6
33	426 / 42.1	Andrew D. & Sarah N. Spitler	1669 / 645	0.57	83	2005 / 7
34	426 / 43.1	Andrew D. & Sarah N. Spitler	1669 / 645	0.62	84	2005/8
35	426 / 44	AL-N-EL Farms, LLC	1623 / 1057	17.73	85	2005/9
36	426 / 45	Constance & Gary I. Saunders II	1591 / 100	12.43	86	2005 / 10
37	426 / 40	AL-N-EL Farms, LLC	1623 / 1057	57.97	87	2005 / 11
38	426 / 46	Constance & Gary I. Saunders II	1591 / 100	4.00	88	2005 / 12
39	426 / 47	Constance & Gary I. Saunders II	1591 / 100	1.00	89	2015 / 70
40		Constance & Gary I. Saunders II	1591 / 100	2.32	90	2015 / 69
41		Ruth Odessa Jenkins	W186 / 871	0.26	91	2015 / 72
42	2 C - 2 C - 2 C - 4 C -	Michael L. & Joyce D. Facemire	1598 / 792	0.18	92	2015 / 7
43	1	John E. Messenger	1351 / 206	2.19	93	426 / 34.
44	100 141	Mark A. & Janet H. Benincosa	1054 / 401	10.41	94	426 / 20
45		Daniel R. & Lana M. Messenger	1194 / 1027	1,50	95	2015 / 73
46	1000000	Daniel R. & Lana M. Messenger	1151 / 210	0.82	96	2015 / 74
47	The same of the sa	David L. Bowles	1518 / 1298	6.05	97	2015 / 75
48	100 000	Antonio P., LLC	1503 / 291	14.89	98	Control of the State of
49	Ton Late	Ronald H. & Katherine R. Dever	1436 / 1133	1.76	99	2015 / 7
50	The state of the s	Virginia M. Davisson	1349 / 60	0.62	100	2015 / 7

No.	TM / Par	Owner	Bk / Pg	Ac.
51	426 / 27	Antonio P., LLC	1503 / 291	6.53
52	426 / 31.1	Robert C. Small	W152 / 153	1.00
53	426 / 32	Andrew B. & Angela Banyi	1626 / 1093	0.69
54	2005 / 67	Daniel M. & Nita M. Richards	1619 / 832	0.29
55	2005 / 65	James L. & Margie H. Fultineer	1340 / 1154	0.12
56	2005 / 64	James L. & Margie H. Fultineer	1340 / 1154	0.12
57	2005 / 63	George W. Bennett Jr.	W149 / 468	0.13
58	2005 / 62	George W. Bennett Jr.	W149 / 468	0.14
59	2005 / 68	Wilma L. & George W. Bennett, III	1655 / 43	0.43
60	2005 / 69	Wilma L. & George W. Bennett, III	1169 / 953	0.31
61	2005 / 56	Kathy D. Bennett	1374 / 379	0.11
62	2005 / 61	Kathy D. Bennett	1380 / 737	0.55
63	2005 / 45	Kathy D. Bennett	1281 / 712	0.11
64	2005 / 44	Kathy D. Bennett	1281 / 712	0.11
65	2005 / 43	Kathy D. Bennett	1281 / 712	0.11
66	2005 / 42	Kathy D. Bennett	1281 / 712	0.11
67	2005 / 41	Kathy D. Bennett	1281 / 712	0.11
68	2005 / 40	Kathy D. Bennett	1281 / 712	0.11
69	2005 / 39	Kathy D. Bennett	1281 / 712	0.11
70	2005 / 70	Grant-Union Public Service District	1169 / 953	0.31
71	2005 / 71	Brenda Withers	1374 / 1062	0.32
72	2005 / 33	Brenda R. Withers & Mary V. Hayes	1344 / 136	88.0
73	2005 / 23	Michael A. Wright	1626 / 1172	Lot 30
74	2005 / 22	Michael A. Wright	1626 / 1172	Lot 31
75	2005 / 21	Michael A. Wright	1626 / 1172	Lot 32
76	2005 / 20	Michael A. Wright	1626 / 1172	Lot 33
77	2005 / 19	Michael A. Wright	1626 / 1172	Lot 34
78	2005 / 18	Michael A. Wright	1626 / 1172	Lot 35
79	2005 / 17	Michael A. Wright	1626 / 1172	Lot 36
80	2005 / 16	Michael A. Wright	1626 / 1172	Lot 37
81	2005/5	Michael A. Wright (Lots 30-44)	1626 / 1172	2.47
82	2005/6	Michael A. Wright	1626 / 1172	Lot 44
83	2005 / 7	Michael A. Wright	1626 / 1172	Lot 43
84	2005/8	Michael A. Wright	1626 / 1172	Lot 42
85	2005/9	Michael A. Wright	1626 / 1172	Lot 41
86	2005 / 10	Michael A. Wright	1626 / 1172	Lot 40
87	2005 / 11	Michael A. Wright	1626 / 1172	Lot 39
88	2005 / 12	Mary A. Wright, et al	1329 / 924	Lot 38
89	2015 / 70	Joe A. Abraham	1618 / 1296	0.28
90	2015 / 69	Daniel Gusick	1580 / 854	0.24
91	2015 / 72	Debra D. Carpenter & Sarah L. Jones	1631 / 386	0.26
92	2015 / 71	WV Housing Development Fund	1290 / 995	0.26
93	-	Jacob D. & Nancy L. Post	1023 / 150	9.27
94	426 / 20	Grafton Coal Company	1016 / 223	6.00
95		Timothy S. Cole	1399 / 1046	0.24
96	2015 / 74	WV Housing Development Fund	1290 / 995	0.24
97	2015 / 75	WV Housing Development Fund	1290 / 995	0.24
98	Total Control of the	WV Housing Development Fund	1290 / 995	0.11
99		Andrew R. & Cheryl A. Colombo	1320 / 873	0.25
100	1.402/14/20 14/14/20	Quintin J. Moore & Lora K. Vamer	1602 / 451	0.28

FILE NO: 32-36-G-19

DRAWING NO: Schoen 1205 N-1H Well Plat SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY: Submeter

PROVEN SOURCE OF ELEVATION:

CORS, Bridgeport, WV

Parkersburg, WV 26101

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

DATE: November 24 20 20

OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

47 - 033 - 06001 STATE COUNTY PERMIT

Parkersburg, WV 26101

WELL TYPE: □ OIL ☑ GAS □ LIQUID INJECTION (IF GAS) PRODUCTION : □ STORAGE □	The second secon	Top: Mount Clare
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle W	est Fork Creek	QUADRANGLE: Btm: West Milford
DISTRICT: Grant / Union		COUNTY: Harrison
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 D ☑ PERFORATE NEW FORMATION ☐ OTHER PHYSIC	CAL CHANGE IN WELL (SPECIFY	7,242' TVD
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG	TARGET FORMATION: Marcellus	Shale ESTIMATED DEPTH; 26,929 MD
WELL OPERATOR: HG Energy II Appalachia, LLC	DESIGNATED AGENT: Diane C.	White
ADDRESS: 5260 Dupont Poad	ADDRESS: 5260 Dug	

HG Energy II Appalachia, LLC Well No. Schoen 1205 N-1H

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WV Department of Environmental Protection

No.	TM / Par	Owner	Bk/Pg	Ac.
101	2015 / 79	William R. Reed Jr.	1403 / 601	0.33
102	2015 / 80	Thomas M. Tice & Michelle L. Liptak	1319 / 1062	0.36
103	2015 / 81	Jesse D. Garrett	1403 / 1133	0.29
104	2015 / 82	John & Mary R. Miller	1397 / 1177	0.22
105	2015 / 83	John & Mary R. Miller	1397 / 1177	0.20
106	2015 / 39	John & Mary R. Miller	1310 / 1206	0.25
107	2015 / 87	Kelly J. Morrison	1308 / 708	0.27
108	2015 / 86	Andrew T. & Jenna L. Richman	1658 / 100	0.24
109	2015 / 85	Ericka A. Aversa	1615 / 475	0.21
110	2015 / 84	James & Meagen K. Johnson	1499 / 665	0.27
111	2015 / 37	Yancy Weaver & Kim Moschella	1482 / 396	0.26
112	2015 / 35	Christopher C. Brooks	1450 / 235	0.24
_	2005 / 55	Gale L. & Melissa A. Zickefoose	1475 / 318	0.12
114	2005 / 54	Flossie B. Cogis	1247 / 10	0.08
115	2005 / 53	Flossie B. Cogis	1247 / 10	0.17
116	2005 / 52	Timothy H. Bennett	1398 / 1065	0.05
117	2005 / 51	Timothy H. Bennett	1398 / 1065	0.17
118	2005 / 38	Timothy H. Bennett	1398 / 1065	0.09
119	2005 / 26	Timothy H. Bennett	1398 / 1065	0.00
120	2005 / 27	Timothy H. Bennett	1398 / 1065	0.06
121	2005 / 15	Timothy H. Bennett	1398 / 1065	0.11
122	2005/3	Timothy H. Bennett	1398 / 1065	0.10
123	2005/4	Timothy H. Bennett	1082 / 69	0.16
124	2005/2	Timothy H. Bennett	1398 / 1065	0.11
125	2005 / 14	Timothy H. Bennett	1398 / 1065	0.12
126	2005 / 25	Timothy H. Bennett	1398 / 1065	0.12
127	2005 / 37	Timothy H. Bennett	1398 / 1065	0.12
128	2005 / 49	Amanda D. Lewis & James A. Newman	1602 / 1229	0.15
129	2005 / 50	Mary L. Smith, et al	W177 / 1179	48 SF
130	2005 / 46	Flossie B. Cogis	W175 / 144	0,17
131	2005 / 48	Donald J. & Shelly A. Cavalier	1673 / 24	0.12
132	2005 / 36	Robert M. Tangari	1193 / 686	0,40
133	2005 / 24	Robert M. Tangari	1193 / 686	0.10
134	2005 / 13	Robert M. Tangari	1193 / 686	0.09
135	2005 / 1	Robert M. Tangari	1193 / 686	80.0
136	426 / 34.4	Grant-Union Public Service District	1170 / 132	0.03
137	426 / 10	Judith A. Eaton	1400 / 929	2.73
138	426 / 11	Nancy Sue Greaver	1231 / 836	2.00
139	426/8	Antonio P. LLC	1503 / 291	19.00
140	426 / 9.1	Rose Belle	1609 / 568	4.30

No.	TM / Par	Owner	Bk/Pg	Ac.
141	426 / 9	Juliet Rose Belle	1603 / 338	1.38
142	406 / 36.1	Walter D. Snider & Rebecca A. Kayser	1346 / 961	1.74
143	406 / 36.2	Eugene Ray Messer	1619 / 210	0.21
144	406 / 36	Jacob & Nancy Post	1045 / 273	0.90
145	406 / 36.3	Grant-Union Public Service District	1164 / 952	0.03
146	406 / 37.1	Danielle Davisson & Robert Radabaugh	1515 / 979	0.32
147	406 / 37	Gregory & Jaqueline Abraham	1301 / 236	3.54
148	406 / 38	Judith Hayhurst	935/9	1.45
149	406 / 24	Clarence Howe Woodford II, et ux	W163/1145	160.49
150	426 / 8	Antonio P., LLC	1503 / 291	19.00
151	406 / 31	Antonio P., LLC	1503 / 291	14.65
152	406 / 21.5	Monongahela Power Co.	1083 / 210	0.45
153	406 / 21.4	Monongahela Power Co.	1083 / 210	2.76
154	406 / 21.1	Terry L. & Cathy D. Williams	1662 / 1294	9.66
155	406 / 24.2	Steven & Shanna Bolyard	1558 / 892	0.32
156	406 / 24.1	Steven & Shanna Bolyard	1558 / 892	0.72
157	406 / 22	David L. Scranage & Eva L. Scranage	952 / 204	0.38
158	-	David L. Scranage & Eva L. Scranage	912 / 274	0.46
159	406 / 21.7	Eva L. Scranage	1427 / 565	2.26
160	406A / 33	James & Megan Kennedy	1594 / 1121	0.43
161	406A / 21	James S. Skinner	1559 / 1053	0.47
162	406A / 22	James S. Skinner	1515 / 519	0.23
163	406A / 5	Jerry Hughes	1095 / 649	0.23
164	406A / 35	Harley R. & Linda L. Coberly	1229 / 315	0.79
165	406A / 20	Stephen & Shiela Nelson	1266 / 1097	0.36
166	406A / 1	Emie & Linda Morgan	1266 / 35	0.35
167	406A/2	Ernie & Linda Morgan	1266 / 35	0.35
168	406A/3	David & Nancy Nester	1079 / 620	0.44
169	406 / 21	Robert K, Lowther	1427 / 565	17.44
170	406 / 21.8	Brian K. & Jayme E. Lowther	1506 / 806	49.53
171	406 / 21.9	Brian K. & Jayme E. Lowther	1652 / 85	6.03
172	406/8	Robert J. Stenger	1621 / 54	166.25
173	406 / 7.15	Michael L. & C. Vanessa Bond	1393 / 1095	4.27
174		Michael L. & C. Vanessa Bond	1368 / 579	4.26
175		Richard K, Williams	1344 / 966	40.12
176	-	John L. & Mary E. Stenger	1580 / 204	309.00
177	-	John L. Stenger	1309 / 666	7,44

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 N-1H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:

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

DATE: November 24 20 20

OPERATOR'S WELL NO. Schoen 1205 N-1H

API WELL NO

47 - 033 - 06001 STATE COUNTY PERMIT

CORS, Bridgeport, WV	× *	STATE COUNTY PERMIT
WELL TYPE: □ OIL □ GAS □ LIQUID INJECT (IF GAS) PRODUCTION: □ STORAGE IN LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle DISTRICT: Grant / Union SURFACE OWNER: George & Rosanne Schoen	□ DEEP ⊠ SHALLOW	Top: Mount Clare QUADRANGLE: Btm: West Milford COUNTY: Harrison ACREAGE: 65.00
ROYALTY OWNER: Willa Post Robey, et al	LEASE NO:	
PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL ☑ PERFORATE NEW FORMATION ☐ OTHER PHY☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUC	SICAL CHANGE IN WELL (SPECIF	Y)
WELL OPERATOR: HG Energy II Appalachia, LLC	DESIGNATED AGENT: Diane C	are the same and t
ADDRESS: 5260 Dupont Road	ADDRESS: 5260 Di	upont Road
Parkersburg, WV 26101	Parkers	burg, WV 26101

WW-6A1 (5/13)

Operator's Well No.	Schoen 1205 N-1H	

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 -

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

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

See Attached Sheets

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

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

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

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

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

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WV Department of
Environmental Protection

HG Energy II Appalachia, LLC - Schoen 1205 N-1H Lease Chain

1205 Tract	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
1205 11800	MOMBER	100 Mor	CEASE WOWNER	A. B. POST, WIDOWER; P. S. ROBEY AND WILLA ROBEY, EACH IN HIS				
			i	OWN RIGHT AS HUSBAND AND WIFE; ELLA LOUISE MAXWELL AND		1		
	1		1	ISAAC H. MAXWELL, HER HUSBAND; FRANCES AND GEORGE B.			1	
				VIEWEG, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	900	2
s1			ļ	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	1
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	2
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	7
	1			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	
	1			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	
	LC074399	12-0447-0001-0000	0100514000			FIRST AMENDMENT TO MEMORANDUM OF		
	100/4399	12-0447-0002-0000	Q100314000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	
	1			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1
	i			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	
	1		1	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	
	l .		1	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	
	i		ł	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
	1		1			SECOND AMENDMENT TO MEMORANDUM OF	1601	
	ı			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT THIRD AMENDMENT TO MEMORANDUM OF	1901	
			1	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1
		12-0446-0007-000 et al	Q100894000	MARCELLA R. BOND AND H. D. BOND, HER HUSBAND; S. ERLOW DAVIS AND ANTHA DAVIS, HIS WIFE; HUGH C. DAVIS AND MARTHA DAVIS, HIS WIFE; GEORGIA A. BARNES, WIDOW; ALTHEA J. RANDDIPH, WIDOW; JAME D. POST AND JACOB S. POST, HER HUSBAND; ROXIE VEITH, SINGLE; IGNIA A. VEITH, SINGLE; HALLIS VEITH, SINGLE; GRACE VEITH, SINGLE; ESSIE S. DAVIS, WIDOW; JOHN B. GRUMBEIN, WIDOWER; JOHN D. PICKENS AND HELEN N. PICKENS, HIS WIFE; LOUISE B. BELCHER AND EARL J. BELCHER, HER HUSBAND; LEWIS E. DAVIS AND LENGRE DAVIS, HIS WIFE; LETTA M. BOND, SINGLE; PAUL V. BOND AND EVALEEN K. BOND, HIS WIFE; EVERT O. DAVIS AND RUTH M. DAVIS, HIS WIFE; G. M. BASSEL AND MAUDE S. BASSEL, HIS WIFE; CLETT MOUNT AND HELEN MOUNT, HIS WIFE HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CORG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC.	NOT LESS THAN 1/8 CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE MEMORANDUM FARMOUT AGREEMENT	787 903 1136 51 58 1522	
2	LC066976]	l		CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	
2	10066976		1	DOMINION TRANSMISSION, INC.				
2	10066976				CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	
2	EC066976			DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC		1524 1543	
2	10060976			DOMINION ENERGY TRANSMISSION, INC. CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	FARMOUT AGREEMENT		12
2	10069976			DOMINION ENERGY TRANSMISSION, INC. CIX GAS COMPANY LLC DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	FARMOUT AGREEMENT ASSIGNMENT	1543	1
2	10069976			DOMINION ENERGY TRANSMISSION, INC. CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	FARMOUT AGREEMENT ASSIGNMENT ASSIGNMENT	1543 1576	1

				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUMOF FARMOUT AGREEMENT	1601	58
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	129
				EMMA A. WAGGONER, WIDOW; W. A. WAGGONER AND MINNIE WAGGONER, HIS WIFE; AND W. GEORGE WAGGONER AND VIRGINIA			İ	
1		l ŧ		WAGGONER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOY LESS THAN 1/8	777	39
		1		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	1
1				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	2
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	7
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	17
_		12-0446-0007-000 et al	Q100894000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	
2	LC066976	12-0446-0007-000 81 81	Q20003-1000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wysos	
	I			NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	6
	l			mode cherry me.		SECOND AMENDMENT TO MEMORANDUM OF		
	1		l	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	5
			l	DOMINION CHERGE HANSINISSION, INC.	THE RESERVE HAPPARAGE TO LEG	THIRD AMENDMENT TO MEMORANDUM OF		
	1	1	l .	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	12
		1	1	DOMINION ENERGY TRANSMISSION, INC.	ING ENERGY IF AFFACACINA, LEC	THIRD AMENDMENT TO MEMORANDUM OF		
		1	}	COLUMN CHEMON TRANSPANCE (SELON) INC	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1:
	1			DOMINION ENERGY TRANSMISSION, INC.	no energy is arrabactile, ele	TANKOOT MOREEMENT		
				EMMA A. WAGGONER, WIDOW; W. A. WAGGONER AND MINNIE		1	i	
	İ		1	WAGGONER, HIS WIFE; AND W. GEORGE WAGGONER AND VIRGINIA		NOT 1 555 TUAN 4 55		
		1	l	WAGGONER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/B	777	
	l	1 1	1	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	1
	1	1	i	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	
	l .	12-0446-0028-0000		CONSOUDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	
	İ	12-0446-0028-0011	1	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	
	1		i	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	
s3	LC066702	12-0446-0028-0002 12-0446-0028-0003 12-0446-0028-0004	03 (101137000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	12
	1			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	
	ł		1	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	9
	1	12-0446-0028-0005	1	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
	1		1	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	(
	1					SECOND AMENDMENT TO MEMORANDUM OF	j	
	1	į		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	
		1				THIRD AMENDMENT TO MEMORANDUM OF		
	1		1	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1.
				J. N. RECTOR AND JULIA E. RECTOR	TRI-STATE GAS COMPANY	NOT LESS THAN 1/8	139	
	1	1		TRI-STATE GAS COMPANY, WHEELING NATURAL GAS COMPANY AND				
	1	1	1	THE MANUFACTURERS LIGHT AND HEAT COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	202	
	1	ł		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	
	1	1	1	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	
	1	12-0446-0024-0000	1	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	
		12-0446-0024-0001	1	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	
	1	12-0446-0024-0002	1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENY	1522	
	LC021469	12-0446-0024-0003	Q101114000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	17
1	1021409	12-0446-0024-0004	1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	
	Į.	12-0446-0024-0005	1	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	9
	1		1	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
i	1	12-0446-0026-0001	1	DOMINION INANSMISSION, INC.	IDOMINION ENERGY TRANSMISSION, INC.	Internative Change	11 13 03	

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1 1	ı	ا ﴿ حُ		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
		$ar{m}$		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
1				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				S. J. DAVISSON	TRI-STATE GAS COMPANY	NOT LESS THAN 1/8	139	434
				TRI-STATE GAS COMPANY, WHEELING NATURAL GAS COMPANY AND				
				THE MANUFACTURERS LIGHT AND HEAT COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	202	375
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
1 1				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
		l		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
1				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
i l						FIRST AMENDMENT TO MEMORANDUM OF	1574	491
3	LC021468	12-0446-0006-0000	Q100321000	DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT ASSIGNMENT	1524 1543	1235
_		12-0446-0006-0002		CNX GAS COMPANY LLC	NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	125
				DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSDS	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				HOULE CHENCY, INC.		SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	581
	l					THIRD AMENDMENT TO MEMORANDUM OF		
	1	ł		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1295
	l			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	LEWIS 736	220
				MARY E. KENNEDY, WIDOW; DORSEY C. KENNEDY AND VELMA ICE KENNEDY, HIS WIFE; HARRY W. KENNEDY AND LILLIAN A. KENNEDY, HIS WIFE; JOHN L. KENNEDY AND REVA B. KENNEDY, HIS WIFE; WIDOW; SUI EX. SWISHER, WIDOW; SUE K. SWISHER, WIDOW; KATHERINE BUTTER AND THERMAN BUTTER, HER HUSBAND; EVA WOLFE AND LYNN B. WOLFE, HER HUSBAND; S. G.		NOT LESS THAN 1/8	782	0
	1			KENNEDY AND JESSIE L. KENNEDY, HIS WIFE	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	903	179
	1			HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
	1			CONSOLIDATED GAS SOPPEY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
	l	12-0426-0077-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
8	LC066833	12-0426-0077-0000	Q100840000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
	1	-A-04A0-0004-0000	l	The state of the s		FIRST AMENDMENT TO MEMORANDUM OF		
i	I	1		DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	491
1	I	1	l	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235
1	l .	1	1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	125
1	1	Į.	1	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
l ·	1	1	İ	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
l	1	1	1	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
1			1			SECOND AMENDMENT TO MEMORANDUM OF	,	
1		1	1	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT THIRD AMENDMENT TO MEMORANDUM OF	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1295
				HUGH C. DAVIS AND MARTHA L. DAVIS, HIS WIFE; JANE D. POST AND	1			
1			1	JACOB S. POST, HER HUSBAND; JESSIE S. DAVIS; GEORGIA A. BARNES;	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	983	611
		1	1	LEWIS E. DAVIS CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
į.	i	1	I	CONSOLIONIED AND SOFFEE CONFORMITON	Indianament en aus manament com quantus	P. Transaction .	3.001	

Office of Oil and Gas FEB 05 2021

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ı	1	, <i>4</i> , ,		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
ı	1	1			DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
ı	1	1			CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
l	1	12-0426-0028-0000				FIRST AMENDMENT TO MEMORANDUM OF		
i	1	p/o 12-0426-0040-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	491
16	LC056781	p/o 12-0426-0044-0000	Q100885000		NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235
1	I	12-0426-0045-0000			CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	
l	1	12-0426-0046-0000			NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
1	1				HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
1	1			DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
	1	1				SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	581
	1	i i				THIRD AMENDMENT TO MEMORANDUM OF		
1	ŀ	1		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	
	+	·		LILLIE GIFFORD, WILBUR STOUT, AND MABEL SYOUT	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	
ł		1		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	
1		į		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	
1	1	1		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	
1	į.	1		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	
1	1	1		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
1	1	12-0426-0050-0000				FIRST AMENDMENT TO MEMORANDUM OF		
17	LC056772	12-0426-0051-0000	Q100649000	DOMINION ENERGY TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	
1				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	125
		}		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	
	1	1 :		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
1				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT TO MEMORANISH OF	1600	692
1	1	1			L.,,	SECOND AMENDMENT TO MEMORANDUM OF	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	779	
				LILLIE GIFFORD, WILBUR SYOUT, AND MABEL STOUT	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/B	903	
1		1		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	1136	
1	1		ļ	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	51	
1	1		l	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE MERGER/NAME CHANGE	58	
1	1	1		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MEMORANDUM FARMOUT AGREEMENT	1522	
1	l		l	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF	1322	
1	LC066743		Q100803000	DOLLAR DE CALCON TO ANCANCANCION INC	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	491
17.1	1	12-0426-0055-0000		DOMINION ENERGY TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	1543	
I	1		!	CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	125
1		1	ł	DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	1584	
1		l	l	CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
1			l	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	
1		1	l	model chemory into		SECOND AMENDMENT TO MEMORANDUM OF		
	1	1	l	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	581
		12 0425 5555 5555		A. W. SMITH	TRI-STATE GAS COMPANY	NOT LESS THAN 1/8	139	458
1	1	12-0426-0026-0000	1	TRI-STATE GAS COMPANY, WHEELING NATURAL GAS COMPANY AND				
1		p/o 12-0426-0010-0000	1	THE MANUFACTURERS LIGHT AND HEAT COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	202	375
ł	ì	p/o 12-0426-0012-0000	1					I
1	1	p/o 12-0426-0012-0001 12-0426-0034-0001	1		1		l	l
	1	12-0426-0034-0001 12-0426-0034-0003 thru		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
1	1	12-0426-0034-0007	1		1	1		l
ı	1		I	1	Leaves of the Theorem Consoner (O)	1		250
1	1	12-2005-0001-0000 thru	\$	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	430

		12-0426-0031-0001		GEORGIA A BARNES, WIDOW	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	975	610
1		12-0426-0031-0001		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
		12-0426-0031-0002	1	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
1		12-0426-0031-0003	j	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
		12-0426-0031-0004	1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
	1000000	12-0426-0031-0005		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235
19	LC066610	12-0426-0031-0006	Q100826000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY	ASSIGNMENT	1576	125
			ļ	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
1			l	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
			1	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
	l i		l	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
1			İ	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
21.1	N/A	12-426-29	HGH0442	RICHARD R. BOND	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	41

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	P. P.C.	12-2005-0015-0000 thru 13-2005-0010-0000 thru 13-2005-0010-0000 thru 13-2005-0010-0000	Polection					
1				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
		12-2003-0013-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
		12-2005-0027-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
		12-2005-0033-0000		DOMINION HOUSENSSION, INC.		FIRST AMENDMENT TO MEMORANDUM OF		
i		12-2005-0036-0000 thru		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	491
	10031435	12-2005-0046-0000	0100037000	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235
21	LC021475	12-2005-0048-0000	Q100927000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	125
		12-2005-0050-0000 thru		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
		12-2005-0056-0000 12-2005-0061-0000 thru 12-2005-0065-0000		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
		12-2005-0067-0000 thru				1		1
		12-2005-0071-0000		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	ı
		20-2015-0034-0000 thru 20-2015-0039-0000 20-2015-0052-0000 thru		DUMINIUM TRANSPRISSION, INC.	DUMINION ENERGY THAT AND ADDRESS OF THE	SECOND AMENDMENT TO MEMORANDUM OF		
		20-2015-0062-0000		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	581
		20-2015-0064-0000 thru 20-2015-0096-0000		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
21.2	N/A	12-426-47	HGII0469	NILLIE JO BRISSEY	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1661	107
22	LC066951	12-0406-0040-0000 12-0406-0041-0000 12-0406-0042-0000 12-0406-0042-0001 12-0406-0044-0001 12-0406-0044-0001 12-0406-0045-0001 12-0406-0045-0001 12-0406-0045-0001 12-0406-0045-0001 12-0406-0045-0001 12-0406-0046-0001 12-0406-0046-0001 12-0406-0012-0000 12-2105-0001-00000 thru 12-2105-0026-00000 thru 12-2105-0026-00000 thru 12-2105-0037-00000 12-2105-0039-00000 thru 12-2105-0039-00000 thru 12-2105-0039-00000 thru	Q101110000	E. S. SWISHER AND NETTIE M. SWISHER, HIS WIFE, ELLA MCKEEVER, WILDOW, MARY M. BUSH AND EARLE BUSH, HER HUSBAND, JESSIE SWISHER, A WILDOW, J. HUGH SWISHER AND ALICE SWISHER, HIS WIFE, FRANK SWISHER, SINGLE, HIS WIFE, BEULAH S. SWISHER, SINGLE, AND ROBERT A. SWISHER, SINGLE HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION COMPONITION CONSOLIDATED GAS TRANSMISSION CORPORATION COMPONITION CONSOLIDATED GAS TRANSMISSION, INC. DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. DOMINION TRANSMISSION, INC. DOMINION TRANSMISSION, INC. DOMINION TRANSMISSION, INC.	HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CONG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC CNX GAS COMPANY LLC NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MENGER/NAME CHANGE MENDRANDUM OF FARMOUT AGREEMENT FIRST AMENDIMENT TO MEMORANDUM OF FARMOUT AGREEMENT ASSIGNMENT ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	952 903 1136 51 58 1522 154 1543 1576 1584 1600 WVSOS	156 179 250 795 362 33 491 1235 125 942 692
	 			I.O. BUTCHER AND DOROTHY H. BUTCHER, HUSBAND AND WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	780	583
]	1		1	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
1				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
l	l	1	1	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
1	1	1	1	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
ł								
		1	1	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT FIRST AMENDMENT TO MEMORANDUM OF	1522	33

23 1,0566004	je Š	FEB OS DOS	60 60 60 60 61 62.0426-0009-0000 61.12-0406-0036-0000 71.2-0406-0036-0001						
12-046-091-003	1 1	্ শ্র	\$12-0426-0009-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1543	1235
12-046-091-003		- 3	12-0406-0036-0000				ASSIGNMENT	1576	125
12-046-091-003	22	10066804	12-0406-0036-0001	O100890000			ASSIGNMENT	1584	942
12-046-091-003		4	12 0406 0036 0003	4100000000				1600	692
COMMINION REPORT TRANSMISSION, INC. 160 ERRIEDT IN APPAILACIAN, LLC TRANSCULT AGREEMENT 160 581 170			12-0406-0036-0003		NOBLE ENERGY, INC.				
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25.1 N/A 12-406-37 HGII01332 FORTRAT ALGORITON PERSON THORNAY CONSOLIDATE OR STRANSMISSION CORPORATION CORPORATION CONSOLIDATE OR STRANSMISSION CORPORATION CORPORATION CONSOLIDATE OR STRANSMISSION CORPORATION CORPOR	1	1	1 1					1621	1205
25.1 N/A 12-406-37 RGINU1332 GREATH B. MAXWELL, HUSBAND AND WIFE; AND W. BRENT MAXWELL AND BERTHA B. MAXWELL, HUSBAND AND WIFE; AND W. BRENT MAXWELL AND LILLIE J. MAXWELL, HUSBAND AND WIFE; AND W. BRENT MAXWELL AND LILLIE J. MAXWELL, HUSBAND AND WIFE; AND W. BRENT MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND SERTHA B. MAXWELL AND LILLIE J. MAXWELL MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND LILLIE J. MAXWELL AND L	1	1	; l						
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12-0406-0021-0008	32	LC052223		Q101129000		CNX GAS COMPANY LLC		1522	33
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12-0406-0028-0000 CNX GAS COMPANY LLC NOBLE ENERGY, INC. ASSIGNMENT 1543 1235 and DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. ASSIGNMENT 1576 125 12-405A-0001-0000 through CNX GAS COMPANY LLC NOBLE ENERGY, INC. ASSIGNMENT 1584 942 12-406A-0041-0000 NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC ASSIGNMENT 1600 692		l			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT		
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	1 1					SECOND AMENDMENT TO MEMORANDUM OF		
		1		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	4
	1					THIRD AMENDMENT TO MEMORANDUM OF	i	.1
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	1
32.1	N/A	12-406-22 12-406-221	HGII01348	DAVID LEE AND EVE LEE SCRANAGE HIS WIFE	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	TBD	TBD
	<u> </u>	12-0406-0005-0000		W. B. VAN HORN AND ELSIE M. VAN HORN, HIS WIFE	EASTERN OIL COMPANY	NOT LESS THAN 1/8	141	
		12-0406-0006-0000		EASTERN OIL COMPANY	WEST VIRGINIA CENTRAL GAS COMPANY	ASSIGNMENT	140	0
		12-0406-0007-0000 12-0406-0007-0001		WEST VIRGINIA CENTRAL GAS COMPANY	CONSOLIDATED NATURAL GAS COMPANIES OF WEST VIRGINIA	DEED	151	
	1	12-0406-0007-0002		WEST VIRGINIA CENTRAL GAS COMPANY	CUMBERLAND AND ALLEGHENY GAS COMPANY	DEED	357	
	l	12-0406-0007-0003		CUMBERLAND AND ALLEGHENY GAS COMPANY	COLUMBIA GAS TRANSMISSION CORPORATION	QUITCLAIM DEED	990	0
	1	12-0406-0007-0004		COLUMBIA GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	DEED	1046	6
		12-0406-0007-0005		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	6
	1	12-0406-0007-0006		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	1
	i .	12-0406-0007-0007		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	56	8
		12-0406-0007-0008		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	2
		12-0406-0007-0009		DOMINION TRANSMISSION, INC.	CHA CAS COMMENT ELS	FIRST AMENDMENT TO MEMORANDUM OF		1
37	LC095044	12-0406-0007-0010	Q100253000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	اه
		12-0406-0007-0011			NOBLE ENERGY, INC.	ASSIGNMENT	1543	
	1	12-0406-0007-0012		CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	
		12-0406-0007-0013		DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	1584	
	1	12-0406-0007-0014		CNX GAS COMPANY LLC	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	wvsos	
	1	12-0406-0007-0015	ł	DOMINION TRANSMISSION, INC.		ASSIGNMENT	1600	
	1	12-0406-0007-0016		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	wysos	
		12-0405-0007-0017		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.		WVSUS	" ——
		12-0405-0007-0018				SECOND AMENDMENT TO MEMORANDUM OF		.l
	1	12-0406-0007-0019		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	4
	1	12-0406-0007-0020	l .			THIRD AMENDMENT TO MEMORANDUM OF		.i
	1	12-0406-0008-0000	1	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	
		12-0406-0008-0001		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	PARTIAL ASSIGNMENT	LEWIS 736	\
				LOCIE C. STOUT, WIDOW; MARY STOUT WOLFE, WIDOW; AND IVA H.	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	992	2
		i		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1130	6
	1			CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	1
	1		[CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	8
	1			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	2
	ł	12-0405-0009-0000		DOMINION TRANSMISSION, INC.	TOTAL GAS GOME PART COO	FIRST AMENDMENT TO MEMORANDUM OF		1
	1	12-0406-0009-0001		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FARMOUT AGREEMENT	1524	ما
		12-0406-0009-0002	010070000		NOBLE ENERGY, INC.	ASSIGNMENT	1543	
38	LC071331	12-0386-0109-0000	Q100509000	CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1576	
	l	12-0386-0110-0000		DOMINION TRANSMISSION, INC.		ASSIGNMENT	1584	
	1	12-0386-0111-0000	I	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	
	i	1 2000 0000	Į	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC		Wysos	
	ļ		ł	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSUS	
	1	1	i	1		SECOND AMENDMENT TO MEMORANDUM OF		.1
	1	1		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1601	4
			Į.			THIRD AMENDMENT TO MEMORANDUM OF	1	
	1		Į.	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1621	
		1		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	LEWIS 736	61



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

December 30, 2020

Kelly Kees WV DEP Division of Oil & Gas 601 57th Street Charleston, WV 25304

RE:

Drilling Under Roads - Schoen 1205 N-1H

Grant District, Harrison County

West Virginia

Dear Ms. Kees -

HG Energy II Appalachia, LLC, is submitting the attached application for a new well work permit for the Schoen 1205 well pad. As an authorized representative, I certify HG Energy II Appalachia, LLC, has the right to drill, stimulate, extract, produce and market the oil, gas or condensate for all leases through which the Schoen 1205 laterals will drill through including any and all roads crossed under as identified on the attached survey plat.

Should you have any questions or desire further information, please contact me at dwhite@hgenergyllc.com or 304-420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

RECEIVED
Office of Oil and Gas

JAN 06 2021

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

Date of Notic	e Certification: 12/30/2020		API No. 47	<u> </u>	4005 N. 4U
		(Operator's	Well No. Schoe	n 1205 N-1H
~~ .4		`	Well Pad N	lame: Schoen V	veii Fau
Notice has b	oeen given: e provisions in West Virginia Code {	S 22-6A the Operator has provi	ded the red	uired parties w	ith the Notice Forms listed
helow for the	tract of land as follows:	y 22-071, the Operator has provi		larren beneat eta eta eta eta eta eta eta eta eta	
State:	West Virginia	UTM NAD 83	Easting:	555997.1	
County:	Harrison	OIM NAD 85	Northing:	4333882.5	
District:	Grant	Public Road Acces		McWhorter Road	
Quadrangle:	Mount Clare	Generally used far	m name:	Schoen	
Watershed:	Middle West Fork Creek				
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), the secretary, shall be verified and sed the owners of the surface described equired by subsections (b) and (c), so surface owner notice of entry to su of subsection (b), section sixteen of e § 22-6A-11(b), the applicant shall thave been completed by the applicant	thall contain the following information bed in subdivisions (1), (2) and the ection sixteen of this article; (ii) arrively pursuant to subsection (as of this article were waived in the ender proof of and certify to the	mation: (14), substitute that the real of	section (b), section (b), section (b), section (b), section of this artice the surface ow	tion ten of this article, the deemed satisfied as a result le six-a; or (iii) the notice rner; and Pursuant to West
Γ=	777 . 777	- areter has attached proof to th	is Notice C	ertification T	
Pursuant to	West Virginia Code § 22-6A, the Operator has properly served the require	ed parties with the following:	113 1401100 C	.or throughou	
that the Ope	erator has property served the require	or barrios with the remember.			OOG OFFICE USE
*PLEASE CH	ECK ALL THAT APPLY				ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIR SEISMIC ACTIVITY WAS	ED BECAT	USE NO TED	☐ RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SUR	VEY or 🔳 NO PLAT SURVE	EY WAS C	ONDUCTED	☐ RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIR NOTICE OF ENTRY FOR F			RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER E (PLEASE ATTACH)	BY SURFA	CE OWNER	
■ 4. NO	TICE OF PLANNED OPERATION				RECEIVED
■ 5. PU	BLIC NOTICE				4 RECEIVED
■ 6. NC	TICE OF APPLICATION				RECEIVED

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

RECEIVED
Office of Oil and Gas

JAN 06 2021

Notary Public

Telephone:

Certification of Notice is hereby given:

, have read and understand the notice requirements within West Virginia Code § 22-THEREFORE, I Diane White 6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

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

Agent 304-420-1119

5260 Dupont Road Address:

Parkersburg, WV 26101

Facsimile: 304-863-3172 Email: dwhite@hgenergyllc.com

NOTARY SEAL

OFFICIAL SEAL NOTARY PUBLIC, STATE OF WEST VIRGINIA MARK J SCHALL H G Energy L L C PO Box 5519, Vienna, WV 26106 My Commission Expires November 2, 2021

Subscribed and sworn before me this 30th day of December, 2020

My Commission Expires 11/2/2021

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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API NO. 47- 33 - 06001

OPERATOR WELL NO. Schoom 1205 (H-1014to S-1014)

Well Pad Name: Schoon 1205

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Noti	ice Time Require	ment: notice shall be provi	ded no later than the filing date of permit application.
Date	e of Notice: 11.23.2	O Date Permit Applica	tion Filed: 11/25/20
MOL	ice of:		
1	PERMIT FOR A	NY CERTIFI	CATE OF APPROVAL FOR THE
	WELL WORK		RUCTION OF AN IMPOUNDMENT OR PIT
	WELL WORK	CONTRA	
Deli	very method pur	suant to West Virginia C	ode § 22-6A-10(b)
	PERSONAL	REGISTERED	☑ METHOD OF DELIVERY THAT REQUIRES A
		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
	SERVICE		an the filing date of the application, the applicant for a permit for any well work or for a
oil a descoper mor well imp have proposed substraction of the control of the cont	and gas leasehold be cribed in the erosion rator or lessee, in the e coal seams; (4) T. I work, if the surface oundment or pit as e a water well, spring vide water for consu- posed well work act section (b) of this su- pords of the sheriff re- vision of this articles and a 35.8.5.7 and	eing developed by the propo- n and sediment control plan- ne event the tract of land on the the owners of record of the size tract is to be used for the properties of the pro	oposed to be located; (2) The owners of record of the surface tract or tracts overlying the sed well work, if the surface tract is to be used for roads or other land disturbance as submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, which the well proposed to be drilled is located [sic] is known to be underlain by one or urface tract or tracts overlying the oil and gas leasehold being developed by the proposed olacement, construction, enlargement, alteration, repair, removal or abandonment of any this article; (5) Any surface owner or water purveyor who is known to the applicant to cated within one thousand five hundred feet of the center of the well pad which is used to stic animals; and (6) The operator of any natural gas storage field within which the lift more than three tenants in common or other co-owners of interests described in ands, the applicant may serve the documents required upon the person described in the suant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any lien holder is not notice to a landowner, unless the lien holder is the landowner, W. Va. rator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any and water testing as provided in section 15 of this rule.
			&S Plan Notice ☑ Well Plat Notice is hereby provided to:
	URFACE OWNE		COAL OWNER OR LESSEE
Na			Name:
	dress: PO Box 158		Address:
2 141	Lost Creek, WV	26385	
Na	me:		☐ COAL OPERATOR
	dress:		Name:
			Address:
DS.	URFACE OWNE	R(s) (Road and/or Other D	isturbance)
	me: Thomas Young		SURFACE OWNER OF WATER WELL
Ad	dress: 4856 SW 95th	1	AND/OR WATER PURVEYOR(s)
	Gainesville, FI.	32608	Name: Vera & Oral Haught
	me: Joseph Queen	V	Address; 400 Justice Avenue
Ad	dress: P. O. Box 531		Logan, WV 25601
	Lost Creek, W		OPERATOR OF ANY NATURAL GAS STORAGE FIELD
DS	SURFACE OWNE	R(s) (Impoundments or Pit	Name: Dominion Energy Transmission - Attn: Ronald Waldren
	me:		Address: 925 White Class Blvd
Ad	dress:		Bridgeport, WV 26330
-	Office	RECEIVED of Oil and Gas	*Please attach additional forms if necessary

JAN 06 2021

OPERATOR WELL NO. 3choom 1205 N-1H & S-10H Well Pad Name: Schoen 1205

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit,

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oiland-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir, (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the poise viewt, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions largarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items JAN 06 2021

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OPERATOR WELL NO. Schoen 1205 N-1H to S-10H

Well Pad Name: Schoen 1205

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

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WV Department of Such persons may request, at the time of submitting written comments, notice of the persons may request, at the time of submitting written comments, notice of the persons may request, at the time of submitting written comments, notice of the persons may request, at the time of submitting written comments, notice of the persons may request. test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

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OPERATOR WELL NO. Schoen 1205 North to S-10R

Well Pad Name: Schoen 1205

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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JAN 06 2021

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API NO. 47-OPERATOR WELL NO. Schoen 1205 N-1H to 5-10H Well Pad Name: Schoen 1205

Notice is hereby given by:

Well Operator: HG Energy II Appalachia, LLC

304-420-1119 Telephone:

dwhite@hgenergyllc.com Email:

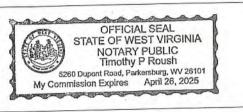
Address: 5260 Dupont Road

Parkersburg, WV 26101

Facsimile: 304-863-2172

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



before methis 1st day of September, 2020 Subscribe

Notary Public

My Commission Expires

Office of Oil and Gas

JAN 06 2021

Schoen 1205 S-7H

WW-6A (8-13) Page 1 Continued

Surface Owner of Water Well and/or Water Purveyors to be Noticed:

Marilyn Gaines 1191 McWhorter Road Lost Creek, WV 26385

Keith & Diana Bramel 124 Tree Frog Lane Lost Creek, WV 26385

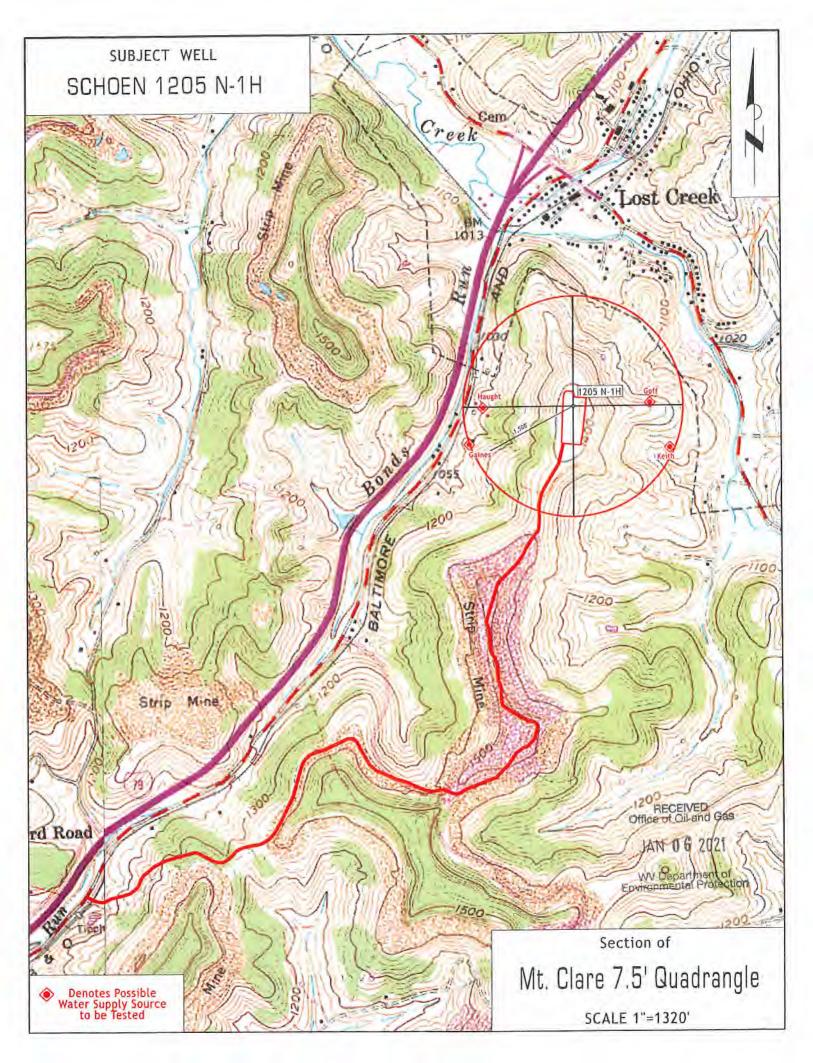
Stephen & Kimberly Goff 412 Hill Top Drive Lost Creek, WV 26385

Surface Owner (s) (Road and/or Other Disturbance)

Charles and Franklin Sutton V 801 Worthington Drive Bridgeport, WV 26330

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JAN 06 2021



Operator Well No. Schoen 1205 WITH to S-10H

WW-6A4 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time B Date of Notice	Requirement: Notice shall be provi	e Permit Application Filed: 01/11/2021	and the second s
Jate of Notice	, made and a second	A TO THE OWN THE PARTY OF THE P	Office of Oil and Gas
elivery meth	od pursuant to West Virginia Co	de § 22-6A-16(b)	
zenierj mem	and the second and the second and the second and	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	JAN 06 2021
HAND	CERTIFIED MAIL		
DELIVER			WV Department of Environmental Protection
eccipt request frilling a horize of this subsect subsection mand and if available	ted or hand delivery, give the surface contal well: <i>Provided</i> , That notice ion as of the date the notice was provided by the surface.	en days prior to filing a permit application, to owner notice of its intent to enter upon the given pursuant to subsection (a), section to evided to the surface owner: <i>Provided, how</i> the owner. The notice, if required, shall inclinate address of the operator and the operator	on of this article satisfies the requirement pever, That the notice requirements of this ude the name, address, telephone number
Notice is ner Name: George	e & Rosanne Schoen	Name:	
Address: POB		Address:	
		7 tuul 655.	
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Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5 (1/12)

Operator Well No. Schoen 1205 N-111 to 5-10H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Notice:				
Delivery method	d pursuant to West Virginia	Code § 22-6A-16(c)		
CERTIFIE	ED MAII	☐ HAND		
The same of the sa	RECEIPT REQUESTED	DELIVERY		
eturn receipt receipt receipt planned ope equired to be prilling of a horamages to the s d) The notices of notice.	quested or hand delivery, give ration. The notice required b rovided by subsection (b), sectifizantal well; and (3) A propo	the surface owner whose land y this subsection shall inclu- on ten of this article to a surf- sed surface use and compens operations to the extent the da- e given to the surface owner a OWNER(s) ff at the time of notice):	de: (1) A copy ace owner whos ation agreemen	cation, an operator shall, by certified mains the drilling of a horizontal well notice of this code section; (2) The information at land will be used in conjunction with the containing an offer of compensation for pensable under article six-b of this chapter sted in the records of the sheriff at the time
Name: George Address: PO Box Lost Cree Notice is hereb; Pursuant to Wes operation on the	& Rosanne Schoen 158 ek, WV 26385 y given: st Virginia Code § 22-6A-16(c) e surface owner's land for the p	Name: Addres , notice is hereby given that to purpose of drilling a horizonta	ne undersigned	well operator has developed a planned act of land as follows:
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The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> RECEIVED Office of Oil and Gas

JAN 06 2021



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

September 3, 2020

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

> Jimmy Wriston, P. E. Deputy Secretary/ Deputy Commissioner

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Schoen 1205 Pad, Harrison County Schoen N-1H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2020-0615 which has been issued to HG Energy LLC for access to the State Road for a well site located off Harrison County Route 25 SLS.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018.

Very Truly Yours,

Gary K. Clayton, P.E.

Day K. Clayton

Regional Maintenance Engineer

Central Office O&G Coordinator

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JAN 06 2021

WV Department of Environmental Protection

Cc:

Jerod Duelley HG Energy LLC CH, OM, D-4 File

HG Energy II Appalachia, LLC List of Frac Additives by Chemical Name and CAS # Schoen 1205 Well Pad (N-1H to N-6H, S-7H to S-11H)

Chemical Name	CAS#	Multiple CAS #'s
Pro Shale Slik 405	Mixture	68551-12-2
To Share Shir Tes		7647-14-5
		12125-02-9
		64742-47-8
Pro Hib II	Mixture	68412-54-4
1011		68607-28-3
		107-21-1
		111-76-2
		67-56-1
		107-19-7
Silica Sand and Ground Sand	Mixture	14808-60-7
Sinca Sand and Ground Sand		1344-28-1
		1309-37-1
		13463-67-7
Hydrochloric Acid 22 DEG BE	7647-01-0	
PROGEL - 4.5	64742-96-7	
BIO CLEAR 2000	Mixture	25322-68-3
		10222-01-2
SCALE CLEAR SI 112	107-21-1	
PROBREAK 4	Mixture	57-50-1
PRODICER 4		107-21-1
Sulfamic Acid	5329-14-6	
PRO - Flow - 102-N	Mixture	67-63-0
		68439-45-2
		2687-96-9
PROGEL - 4	9000-30-0	

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Office of Oil and Ga

JAN 06 2021

CONSTRUCTION IMPROVEMENT PLANS WITH **EROSION AND SEDIMENT CONTROLS**

HG 1205 WELL PAD

1 TITLE SHEET 2A-2K SITE DEVELOPMENT PLANS 3 WELL PAD SECTIONS 4A-4D ACCESS ROAD SECTIONS 5A-5F CONSTRUCTION NOTES & DETAILS 6A-6J RESTORATION PLAN 7A-7C PROPERTY MAP	SHT. NO.	SHEET TITLE
WELL PAD SECTIONS 4A-4D ACCESS ROAD SECTIONS 5A-5F CONSTRUCTION NOTES & DETAILS 6A-6J RESTORATION PLAN	1	TITLE SHEET
4A-4D ACCESS ROAD SECTIONS 5A-5F CONSTRUCTION NOTES & DETAILS 6A-6J RESTORATION PLAN	2A-2K	SITE DEVELOPMENT PLANS
5A-5F CONSTRUCTION NOTES & DETAILS 6A-6J RESTORATION PLAN	3	WELL PAD SECTIONS
6A-6J RESTORATION PLAN	4A-4D	ACCESS ROAD SECTIONS
	5A-5F	CONSTRUCTION NOTES & DETAILS
7A-7C PROPERTY MAP	6A-6J	RESTORATION PLAN
	7A-7C	PROPERTY MAP

GRANT DISTRICT HARRISON COUNTY WEST VIRGINIA

CONSTRUCTION SEQUENCE

- 1. Prior to commencement of any earth disturbance activity including clearing and grubbing, the registrant shall call West Virginia 811 by dialing 811 or 1-800-245-4848 to identify all utility lines. The registrant also must clearly delineate sensitive areas, riparian forest buffer boundaries, the limits of clearing, and trees that are to be conserved within the project site, and shall install appropriate barriers where equipment may not be parked, staged, operated or located for any purpose,
- 2. Site access This is the first land-disturbance activity to take place at the site and should provide BMPs to minimize accelerated erosion and sedimentation from the following areas: entrance to the site, construction routes, and areas designated for equipment or other use at the site including parking, stockpiles.
- 3. Sediment Barriers Install perimeter BMPs after the construction site is accessed, keeping associated clearing and grubbing limited to only that amount required for installing perimeter BMPs.
- 4. Land Clearing and Grading Implement clearing and grading only after all downslope E&S BMPs have been constructed and stabilized.
- 5. Surface Stabilization Apply temporary or permanent stabilization measures immediately to any disturbed areas where work has reached final grade, has been delayed or otherwise temporarily suspended.
- 6. Construction of Buildings, Utilities, and Paving During construction, install and maintain any additional erosion and sediment control BMPs, and implement any structural post construction stormwater BMPs that may be required.
- 7. Upon completion of pad grading, compact the pad to grade and begin placement of pad soil cement.
- B. Final Stabilization, Topsoiling, Trees and Shrubs After construction is completed, install stabilization BMPs including: permanent seeding, mulching and riprap, and complete implementation of stormwater BMPs in this last construction phase. Stabilize all open areas, including borrow and spoil areas, and remove all temporary BMPs and stabilize any disturbances associated with the removal of the BMP.



PREPARED FOR HG ENERGY II APPALACHIA, LLC

> 5260 DUPONT ROAD PARKERSBURG, WEST VIRGINIA (304) 420-1100

PREPARED BY

PENN ENVIRONMENTAL & REMEDIATION, INC.

111 RYAN COURT PITTSBURGH, PA 15205 (412) 722-1222

Final Development - Glavill Option		_	-	COLUMN TO THE REAL PROPERTY.	-
			FID :	960	4
205 Wall Para			2.236	474	1
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305 Will Paul Blaging Area	-	000	000	1434	100
Totals)		64,710 / Z	3,276	-	-/4
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Total Sin Balance			->	1,720	-
Stripped Topsel (Limits of Earthwork)				9.182	3
Est. Swif Factor	(50%)		-15	1,039 4	-
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N-3H	N 39.1524680	W 80,3518727
N-2H	N 39.1024277	W 80.3518782
N-4H	N 39.1523567	W 80,3518838
N-1H	N 39.1323457	W 80.3518893
N-5H	N 39.1523047	₩ 80.3518949
5-64	N 39.1516447	W 80.3520486
S-7H	N 39.1515039	W 80,3520554
5-104	N 39.1515830	W 80.3520522
2-8H	N 39,1515222	W 80.3520690
5-84	N 39.1514813	W 50.3520758
	WELL ELEVATION	

The American Street Street Street Street	LATTITUDE	LONGITUDE
1205 WELL PAD ACCESS ROAD ENTRANCE	N 39.1340433	W 80.3760995
200 HELL PRO ACCESS NOTO ENTITATION	11 00:10 10:00	11 20.0700000

HECORD OWNER	RECORD LOT #	RECORD AREA OF LOT	AREA WITHIN LOD
INTERSTATE 79 RIGHT OF WAY	N/A	N/A	0.704
FRANKLIN L SUTTON	17-12-0465-0014-0002	39.4314	0,495
CHARLES R. SUTTON	17-12-0465-0015-0000	11.3465	0,532
FRANKLIN L. SUTTON	17-12-0465-0016-0000	22,3733	1,391
CHARLES R. SUTTON	17-12-0465-0017-0000	37.5188	3.008
FRANKLIN L. SUTTON	17-12-0445-0047-0000	25,9586	1,399
CHARLES R. SUTTON	17-12-0445-0048-0000	86.5040	3.008
CHARLES R. SUTTON	17-12-0466-0019-0000	62,7575	0.604
JDSEPH G. QUEEN	17-12-0447-0043-0001	16.9336	2.145
JOSEFFI C. QUEEN	17-12-0447-0032-0000	35.5669	2.162
THOMAS K, YOUNG	17-12-0446-0029-0000	73.275	5.570
GEORGE M. & RUSANNE SCHOEN	17-12-0447-0002-0000	71.258	7.792
TOTAL LIMIT	OF DISTURBANCE		29.813 A



REVISION	DATE	DESCRIPTION
-1	08/17/2020	QUANTITY UPDATE AND CHANNEL MODIFICATIONS
2	08/27/2020	CLIENT REVISIONS
3	09/18/2020	REVISED PER WYDEP COMMENTS
4	10/28/2020	REVISED PER CLIENT CONVENTS
5	11/11/2020	CLIENT WELL REVISIONS
В	11/20/2020	REVISED PER WIDEP COMMONTS



HG 1205 PAD GRANT DISTRICT HARRISON COUNTY, WEST VIRGINIA

PREPARED FOR HG ENERGY II APPALACHIA, LLC PARKERSBURG, WEST VIRGINIA

800,245,4848

Dial 811 or



WEST VIRGINIA

YOU DIG!

