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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, May 5, 2025  
WELL WORK PERMIT  
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC  
5260 DUPONT ROAD

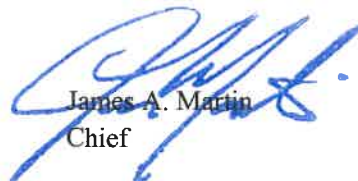
PARKERSBURG, WV 26101

Re: Permit approval for SCRANAGE 1204 N-4H  
47-033-06100-00-00

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: SCRANAGE 1204 N-4H  
Farm Name: DAVID K SCRANAGE  
U.S. WELL NUMBER: 47-033-06100-00-00  
Horizontal 6A New Drill  
Date Issued: 5/5/2025

# 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.

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## CONDITIONS

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1. 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. 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. Also, 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.
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.

05/09/2025

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

1) Well Operator: HG Energy II Appalachia, L.P. 494519932 Harrison Grant Mount Clare 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Scranage 1204 N-4H Well Pad Name: Scranage 1204

3) Farm Name/Surface Owner: David Scranage Public Road Access: Rice Run Road

4) Elevation, current ground: 1252' Elevation, proposed post-construction: 1247'

5) Well Type (a) Gas x Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_  
(b) If Gas Shallow x Deep \_\_\_\_\_  
Horizontal x

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus at 7049' / 7145' and 96' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7080'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,630'

11) Proposed Horizontal Leg Length: 13,694'

12) Approximate Fresh Water Strata Depths: 60', 90', 135', 181, 480', 496', 640', 728'

13) Method to Determine Fresh Water Depths: Nearest offset well data (47-033-73927, 01915, 01217, 06001)

14) Approximate Saltwater Depths: 1605'

15) Approximate Coal Seam Depths: 272', 501', 650', 730', 736', 950', 1040', 1150' (Surface casing is being extended to cover the coal in the DTI Storage Field)

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

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

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

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4703306100

WW-58  
(04/15)

API NO. 47-  
OPERATOR WELL NO. Scraper 1204 N-4H  
Well Pad Name: Scraper 1204

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	New	LS	157.5	120'	120' ✓	Drilled In
Fresh Water/Coal	20"	NEW	J-55	94	1200'	1200' ✓	40% excess, CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	1855'	1855' ✓	40% excess, CTS ✓
Intermediate 2	9 5/8"	NEW	N-80 BTC	40	4950'	4950' ✓	40% excess tail, CTS ✓
Production	5 1/2"	NEW	P-110 HP	23	21630'	21630' ✓	20% excess tail, CTS
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40% excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	40% excess, Tail 2% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750		Type 1/Class A	40% excess, Tail 2% excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	20% excess yield = 1.12, 54 pps (1.12)
Tubing							
Liners							

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PACKERS

Kind:				
Sizes:				
Depths Set:				

Kg Willett 3/13/25

05/09/2025

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 7080 feet. Drill horizontal leg to estimated 13,694' lateral length, 21,630' 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): 21.29 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.87 acres

23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing.  
Freshwater - centralized every 3 joints to surface.  
Coal - Bow Spring on every joint, will also be running ACP for isolating storage zone  
Intermediate - Bow Spring on first 2 joints then every third joint to 100' from surface.  
Production - Run 1 spiral centralizer every 5 joints from the top of the curve to surface. Run 1 spiral centralizer every 3 joints from the 1st 5.5' long joint to the top of the curve.

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

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig.  
Fresh Water - 15.6 ppg PNE-1 + 3% bwoc CaCl<sub>2</sub> 40% Excess Yield = 1.20, CTS  
Intermediate 1 - \*\*\* Storage String \*\*\* CTS \*\*\* 15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements) B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per SGL CemNET - 60% Excess 15.9 ppg Tail - Yield 1.17 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements) B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOK / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack  
Anti Foam / D801 - 0.03 gal / sack Retarder - 0% Excess  
Intermediate 2 - \*Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub> 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub> zero% Excess. CTS\*  
Production - \*Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% ExcessLead Yield=1.19Tail Yield=1.94CTS\*

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.  
Fresh Water - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.  
Coal - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.  
Intermediate - Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.  
Production - Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.

\*Note: Attach additional sheets as needed.

**HG Energy II Appalachia, LLC**  
**Scrannage 1204 Well Pad (N-1H, N-2H, N-3H, N-4H, N-5H, N-6H, S-7H, S-8H, S-9H, S-10H, S11H, S12H)**  
**Cement Additives**

4703306100

Material Name	Material Type	Material Description	CAS #																		
Premium NE-1	Portland Cement	Premium NE-1 is a portland cement with early compressive strength properties.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Portland cement</td><td>90 - 100</td><td>65997-15-1</td></tr><tr><td>Calcium oxide</td><td>1 - 5</td><td>1305-78-8</td></tr><tr><td>Magnesium oxide</td><td>1 - 5</td><td>1309-48-4</td></tr><tr><td>Crystalline silica: Quartz (SiO2)</td><td>0.1 - 1</td><td>14808-60-7</td></tr></table>	Ingredient name	%	CAS number	Portland cement	90 - 100	65997-15-1	Calcium oxide	1 - 5	1305-78-8	Magnesium oxide	1 - 5	1309-48-4	Crystalline silica: Quartz (SiO2)	0.1 - 1	14808-60-7			
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Bentonite	Extender	Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>bentonite</td><td>90 - 100</td><td>1302-78-9</td></tr><tr><td>Crystalline silica: Quartz (SiO2)</td><td>5 - 10</td><td>14808-60-7</td></tr></table>	Ingredient name	%	CAS number	bentonite	90 - 100	1302-78-9	Crystalline silica: Quartz (SiO2)	5 - 10	14808-60-7									
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bentonite	90 - 100	1302-78-9																			
Crystalline silica: Quartz (SiO2)	5 - 10	14808-60-7																			
Calcium Chloride	Accelerator	A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Calcium chloride</td><td>90 - 100</td><td>10043-52-4</td></tr></table>	Ingredient name	%	CAS number	Calcium chloride	90 - 100	10043-52-4												
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Calcium chloride	90 - 100	10043-52-4																			
Cello Flake	Lost Circulation	Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>No hazardous ingredient</td><td></td><td></td></tr></table>	Ingredient name	%	CAS number	No hazardous ingredient														
Ingredient name	%	CAS number																			
No hazardous ingredient																					
FP-13L	Foam Preventer	FP-13L is a clear liquid organic phosphate antifoaming agent used in cementing operations. It is very effective minimizing air entrapment and preventing foaming tendencies of latex systems.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Tributyl phosphate</td><td>90 - 100</td><td>126-73-8</td></tr></table>	Ingredient name	%	CAS number	Tributyl phosphate	90 - 100	126-73-8												
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Tributyl phosphate	90 - 100	126-73-8																			
Granulated Sugar	Retarder	Used to retard cement returns at surface. A proprietary product that provides expansive properties and improves bonding at low to moderate temperatures.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Sucrose</td><td>90 - 100</td><td>57-50-1</td></tr></table>	Ingredient name	%	CAS number	Sucrose	90 - 100	57-50-1												
Ingredient name	%	CAS number																			
Sucrose	90 - 100	57-50-1																			
EC-1			<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Calcium magnesium oxide</td><td>90 - 100</td><td>37247-91-9</td></tr></table>	Ingredient name	%	CAS number	Calcium magnesium oxide	90 - 100	37247-91-9												
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Calcium magnesium oxide	90 - 100	37247-91-9																			
MPA-170	Gas Migration	Multi-purpose polymer additive used to control free fluid, fluid loss, rheology, and gas migration.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>No hazardous ingredient</td><td></td><td></td></tr></table>	Ingredient name	%	CAS number	No hazardous ingredient														
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No hazardous ingredient																					
Poz (Fly Ash)	Base	A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Crystalline silica: Quartz (SiO2)</td><td>5 - 10</td><td>14808-60-7</td></tr><tr><td>Calcium oxide</td><td>1 - 5</td><td>1305-78-8</td></tr></table>	Ingredient name	%	CAS number	Crystalline silica: Quartz (SiO2)	5 - 10	14808-60-7	Calcium oxide	1 - 5	1305-78-8									
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Calcium oxide	1 - 5	1305-78-8																			
R-3	Retarder	A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>Organic acid salt</td><td>40 - 50</td><td>Trade secret.</td></tr></table>	Ingredient name	%	CAS number	Organic acid salt	40 - 50	Trade secret.												
Ingredient name	%	CAS number																			
Organic acid salt	40 - 50	Trade secret.																			
S-5	Surfactant	Used to water wet casing and formation to facilitate cement bonding.	<table><tr><th>Ingredient name</th><th>%</th><th>CAS number</th></tr><tr><td>2-Butoxyethanol</td><td>20 - 30</td><td>111-76-2</td></tr><tr><td>Proprietary surfactant</td><td>10 - 20</td><td>Trade secret.</td></tr><tr><td>D-Glucopyranose, oligomeric, C10-16-alkyl glycosides</td><td>5 - 10</td><td>110615-47-9</td></tr><tr><td>Alkylarylsulfonate amine salt</td><td>1 - 5</td><td>Trade secret.</td></tr><tr><td>Polyoxyalkylenes</td><td>0.1 - 1</td><td>Trade secret.</td></tr></table>	Ingredient name	%	CAS number	2-Butoxyethanol	20 - 30	111-76-2	Proprietary surfactant	10 - 20	Trade secret.	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	5 - 10	110615-47-9	Alkylarylsulfonate amine salt	1 - 5	Trade secret.	Polyoxyalkylenes	0.1 - 1	Trade secret.
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\*\*\* Storage String \*\*\* CTS \*\*\*

15.4 ppg Lead - Yield 1.24 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)  
 B348 - 0.5% BWOB Fluid Loss / D013 - 0.75% BWOB Retarder / D47 - 0.02 gal / sack VBWOB Anti Foam / D202 - 0.15% BWOB Dispersant / D095 1.5 lb per BBL CemNET\* - 60% Excess  
 15.9 ppg Tail - Yield 1.17 - D896 Surface Set 100 lb / sack (Mix of Class A and Gypsum to meet Dominion Requirements)  
 B160A - 0.15% BWOB Dispersant / B547 - 0.35% BWOB GasBLOK\* / D013 - 0.3% BWOB Retarder / D047 - 0.02 gal / sack Anti Foam / D801 - 0.03 gal / sack Retarder - 0% Excess

1204 N-4H  
 Marcellus Shale Horizontal  
 Harrison County, WV



Ground Elevation		1247.6'			1204 N-4H SHL				14220017.2N 1831711.36E			
Azm		340.5°			1204 N-4H LP				14220910.78N 1832975.97E			
WELLBORE DIAGRAM		HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
	30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness	
	26"	20" 94# J-55	Fresh Water	0	60,90,135,496, 640,728	AIR	15.6 ppg PNE-1 + 3% bwoc CaCl 40% Excess Yield=1.20 / CTS	Centralized every 3 joints to surface	Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.	Surface casing = 0.438" wall thickness Burst=2110 psi		
			Coals		272, 736, 1150							
			Fresh Water Protection	0	1200							
	17.5"	13-3/8" 68# J-55 BTC	Little Lime	1228	1244	AIR / KCL Salt Polymer	See above (LEFT) for Storage String Cement Blend to Meet DTI Requirements for Gas Storage Field Isolation	Bow Spring on every joint <i>*will also be running ACP for isolating storage zone*</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi		
			Big Lime	1273	1327							
			Injun / Gantz (Storage)	1327 / 1658	1451 / 1728							
			Intermediate 1	0	1855							
	12.25"	9-5/8" 40# N / L- 80 BTC	Fifty Foot / Thirty	1753 / 1868	1843 / 1900	AIR / KCL Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	Bow Spring on first 2 joints then every third joint to 100' form surface	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=5750 psi		
			Gordon	1907	1995							
			5th Sand	2194	2214							
			Bayard	2287	2309							
			U&L Speechley	2803	2906							
			Bradford	3482	3556							
			Benson	4173	4193							
			Alexander	4500	4670							
			Intermediate 2	0	TVD: 4900' MD: 4950' Inc: 20 deg.							
	8.75"	5-1/2" 23# P-110 HP TXP / W461				AIR / 9.0ppg SOBM	Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess Lead Yield=1.19 Tail Yield=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.  Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note:Actual centralizer schedules may be changed due to hole conditions		
	8.5" Curve		Rhinestreet	5603	6420	11.5ppg-12.5ppg SOBM						
			Cashaqua	6420	6653							
			Middlesex	6653	6748							
			West River	6748	6859							
			Burkett	6859	6894							
			Tully Limestone	6894	6983							
			Hamilton	6983	6753							
			Marcellus	7049	7145							
	8.5" Lateral		TMD / TVD (Production)	21630	7080	11.5ppg-12.5ppg SOBM						
			Onondaga	7145								
LP @ 7080' TVD / 7936' MD			8.5" Hole - Cemented Long String 5-1/2" 23# P-110 HP TXP / W461		+/-13694' ft Lateral		TD @ +/-7080' TVD +/-21630' MD					
X=centralizers												

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 Office of Oil and Gas  
 APR 04 2025  
 WV Department of Environmental Protection

4703306100

WW-9  
(4/16)

API Number 47 - 4703306100  
Operator's Well No. Scranage 1204 N-4H

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) Lost Creek

Quadrangle Mount Clare 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☒ No ☐

Will a pit be used? Yes ☐ No ☒

If so, please describe anticipated pit waste: NA

Will a synthetic liner be used in the pit? Yes ☐ No ☒ If so, what ml.?

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
- ☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- ☒ Reuse (at API Number TBD - At next anticipated well )
- ☒ Off Site Disposal (Supply form WW-9 for disposal location)
- ☐ Other (Explain \_\_\_\_\_ )

Will closed loop system be used? If so, describe: Yes, cuttings and fluids will be collected in a closed loop system, re-used or hauled to an approved disposal site or landfill.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical - Air, Air/KCL, Air/SOBM, Horizontal - SOB

-If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? Water, Soap, KCl, Barite, Base Oil, Wetting Agents

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Office of Oil and Gas

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Approved Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA

-Landfill or offsite name/permit number? See Attached

WV Department of  
Environmental Protection

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature Diane White

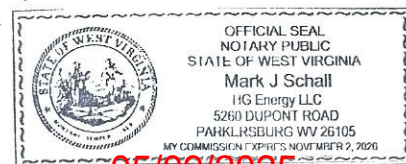
Company Official (Typed Name) Diane White

Company Official Title Agent

Subscribed and sworn before me this 10th day of March, 2025

Notary Public

My commission expires 11/2/2026



05/09/2025

4703306100

Form WW-9

HG Energy II Appalachia, LLC

Operator's Well No. Scraper 1204 N-4H

Proposed Revegetation Treatment: Acres Disturbed 21.29 Prevegetation pH \_\_\_\_\_  
 Lime 3 Tons/acre or to correct to pH 6.5  
 Fertilizer type 10-20-20  
 Fertilizer amount 500 lbs/acre  
 Mulch Hay 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5

Maintain E&S controls through the drilling and completion process

Attach:

Map(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Ky WilcoxComments: Pre-seed/mulch as soon as reasonably possible per regulation.

Upgrade E&S if needed per WV DEP E&S manual.

Title: Oil &amp; Gas Inspector

Date:

3/13/25

Field Reviewed?

☒ Yes☐ No

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WV Department of  
Environmental Protection

05/09/2025

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**HG Energy II Appalachia, LLC**

**Site Safety Plan**

**Scranage 1204**

**474 Rices Run Road, Lost Creek  
Harrison County, WV 26385**

**December 2024: 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**

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Office of Oil and Gas

APR 04 2025

WV Department of  
Environmental Protection

*R. J. White 3/13/25*

05/09/2025

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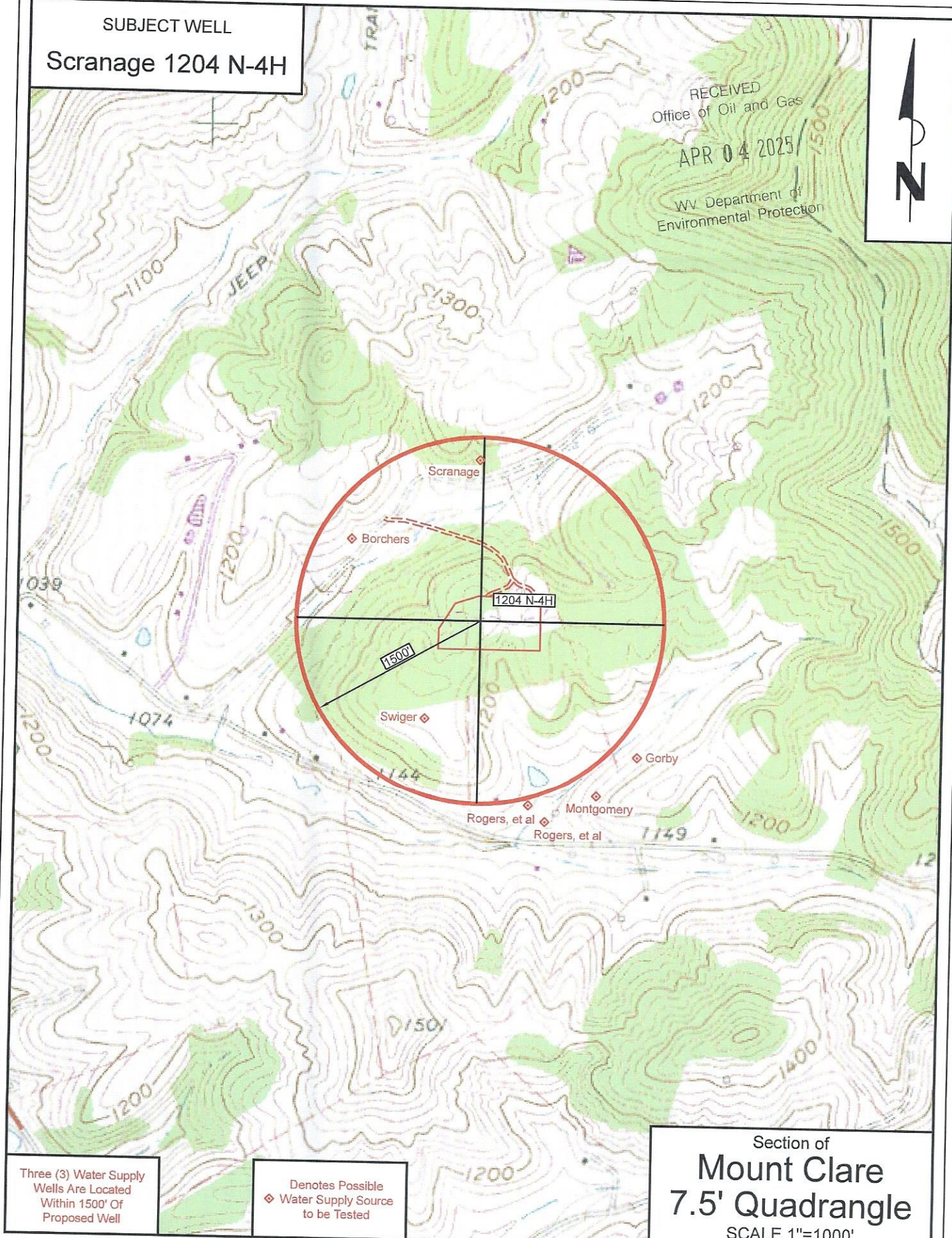
SUBJECT WELL

Scrannage 1204 N-4H

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Office of Oil and Gas

APR 04 2025

WV Department of  
Environmental Protection



Three (3) Water Supply  
Wells Are Located  
Within 1500' Of  
Proposed Well

Denotes Possible  
Water Supply Source  
to be Tested

Section of  
**Mount Clare**  
**7.5' Quadrangle**  
SCALE 1"=1000'

05/09/2025

4703306100

9,552' to Top Hole

927' to Bottom Hole

TOP HOLE LATITUDE 39 - 10 - 00  
BTM LATITUDE 39 - 12 - 30

TOP HOLE LONGITUDE 80 - 17 - 30  
BTM HOLE LONGITUDE 80 - 20 - 00

4,033' to Top Hole  
5,377' to Bottom Hole

HG Energy II Appalachia, LLC  
Well No. Scrannage 1204 N-4H

Page 1 of 3

Scranage  
1204 N-4H  
Bottom Hole

See Detail 2

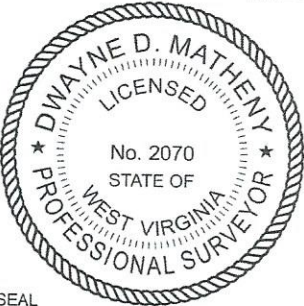
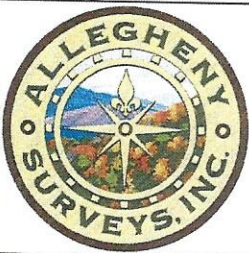
47-033-00434  
Top Hole  
7.5' Spot

TPK 3.1

Rebar w/ cap

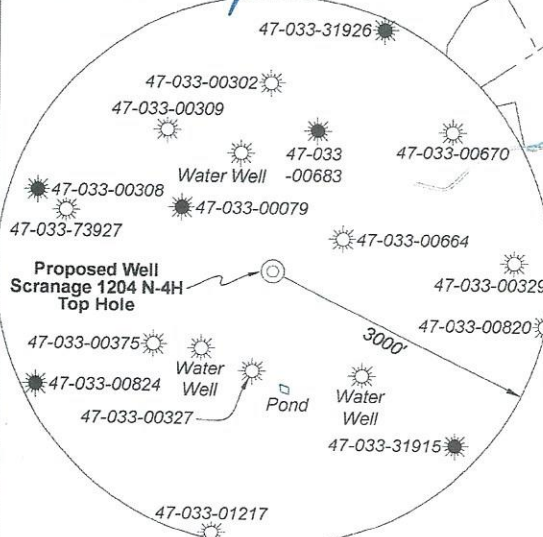
47-033-00770

Bottom Hole  
7.5' Spot



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

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



Note: 3 water wells were found within  
1500' of proposed well. No occupied  
dwellings or buildings 2,500 square feet  
or larger used to house or shelter dairy  
cattle or poultry husbandry are located  
within 625' of the center of the well pad.

Tag	Bearing	Dist.	Monument
L1	S 69°40' W	1,150.5'	47-033-00664
L2	N 06°17' W	1,055.7'	47-033-00327
L3	S 77°46' E	1,340.3'	5/8" Rebar w/ cap
L4	S 50°20' E	1,144.3'	5/8" Rebar w/ cap
L5	N 54°45' E	1,548.5'	Landing Point

FILE NO: 155-36-G-19

DRAWING NO: Scrannage 1204 N-4H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:  
Submeter

PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

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

DATE: March 7 20 25

OPERATOR'S WELL NO. Scrannage 1204 N-4H

API WELL NO

47 - 033 - 06100  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,247.6' WATERSHED: Lost Creek

DISTRICT: Grant

SURFACE OWNER: David K. Scrannage

ROYALTY OWNER: Waco Oil & Gas Co., Inc., et al

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: 7,080' TVD 21,831' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White


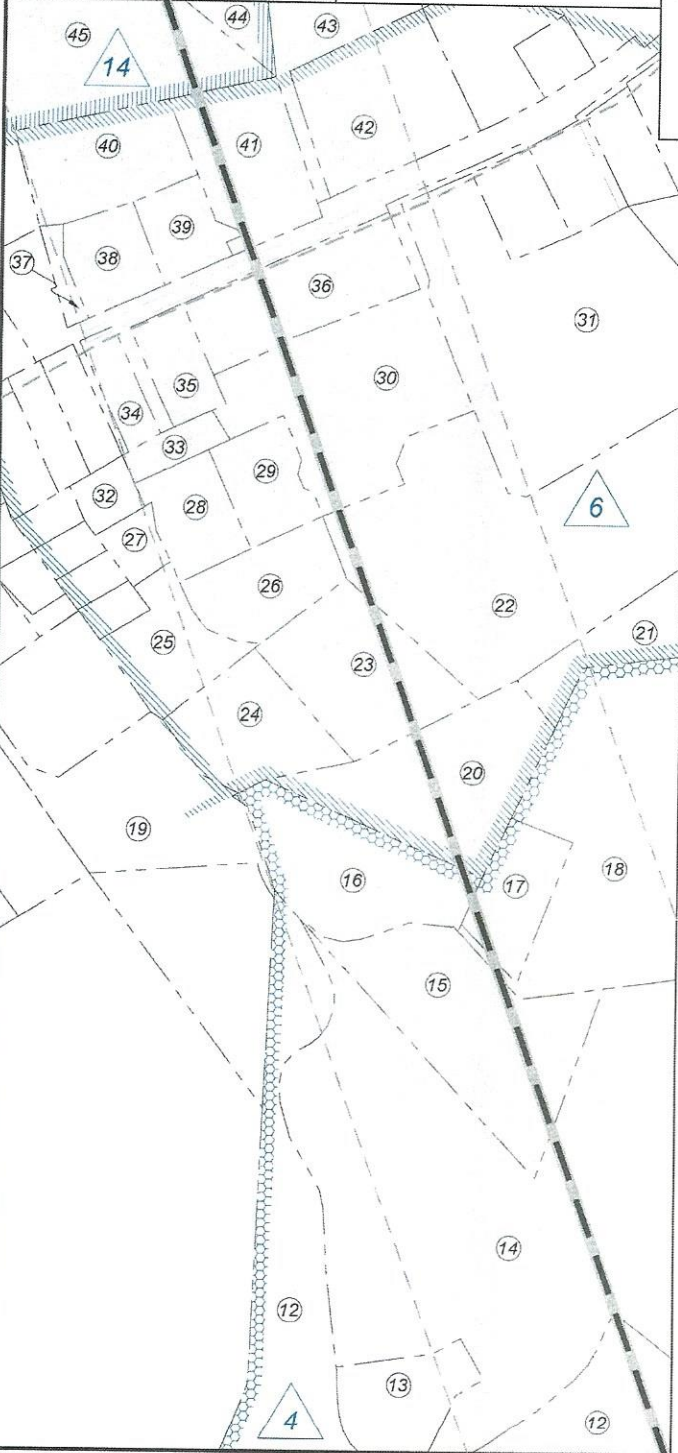
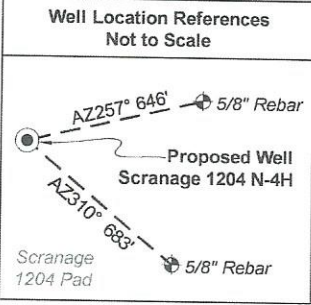
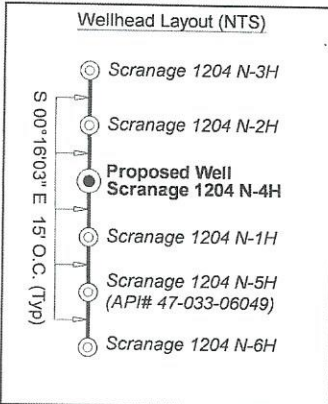
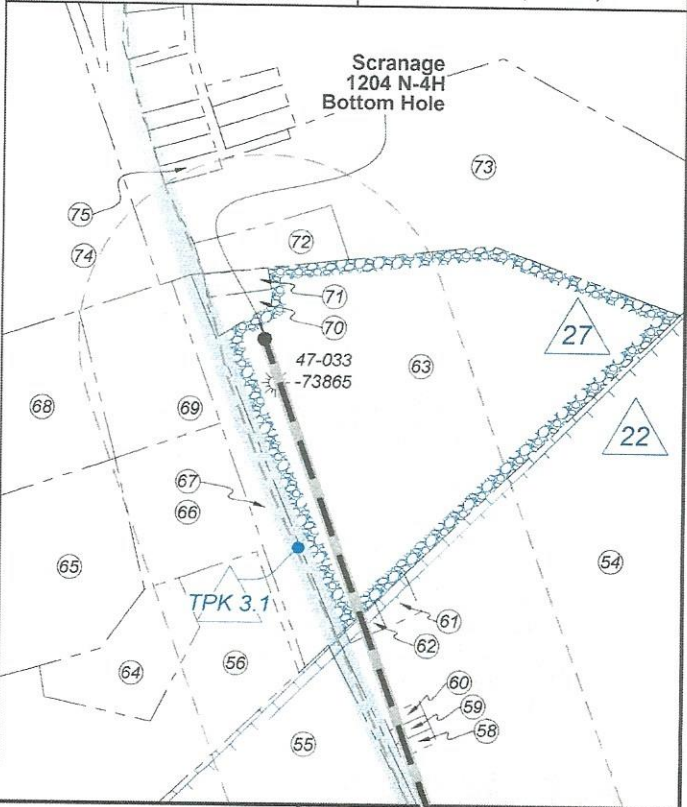
ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101

05/09/2025

<div>HG Energy II Appalachia, LLC</div> <div>Well No. Scrannage 1204 N-4H</div> <div>Page 2 of 3</div>		<div></div>	<div>West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.</div> <div>UTM Zone 17, NAD 1983</div> <div>Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.</div>	
<div>Notes: Well No. Scrannage 1204 N-4H WVCS 1927, North Zone</div> <div>Top Hole Coordinates</div> <div>Lat: 39°09'20.12"</div> <div>Lon: 80°19'31.29"</div> <div>Landing Point Coordinates</div> <div>Lat: 39°09'28.87"</div> <div>Lon: 80°19'15.15"</div> <div>Bottom Hole Coordinates</div> <div>Lat: 39°11'36.84"</div> <div>Lon: 80°20'11.78"</div>		<div>Notes: Well No. Scrannage 1204 N-4H UTM NAD 1983 (USSF)</div> <div>Top Hole Coordinates</div> <div>N: 14,220,017.20'</div> <div>E: 1,831,711.36'</div> <div>Landing Point Coordinates</div> <div>N: 14,220,910.78'</div> <div>E: 1,832,975.97'</div> <div>Bottom Hole Coordinates</div> <div>N: 14,233,819.89'</div> <div>E: 1,828,421.98'</div>	<div>Notes: Well No. Scrannage 1204 N-4H UTM NAD 1983 (Meters)</div> <div>Top Hole Coordinates</div> <div>N: 4,334,269.911m</div> <div>E: 558,306.739m</div> <div>Landing Point Coordinates</div> <div>N: 4,334,542.275m</div> <div>E: 558,692.193m</div> <div>Bottom Hole Coordinates</div> <div>N: 4,338,476.979m</div> <div>E: 557,304.134m</div>	
<div>Detail 1 (1"=500')</div> <div></div>		<div>Well Location References Not to Scale</div> <div></div> <div>Wellhead Layout (NTS)</div> <div></div>		
<div>Detail 2 (1"=500')</div> <div></div>				
<div>FILE NO: 155-36-G-19</div> <div>DRAWING NO: Scrannage 1204 N-4H Well Plat</div> <div>SCALE: 1" = 2000'</div> <div>MINIMUM DEGREE OF ACCURACY: Submeter</div> <div>PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV</div>		<div>STATE OF WEST VIRGINIA</div> <div>DEPARTMENT OF ENVIRONMENTAL PROTECTION</div> <div>OIL AND GAS DIVISION</div>		<div>DATE: March 7 20 25</div> <div>OPERATOR'S WELL NO. Scrannage 1204 N-4H</div> <div>API WELL NO</div> <div>47 - 033 - 06100</div> <div>STATE COUNTY PERMIT</div>
<div>WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL</div> <div>(IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> SHALLOW</div> <div>LOCATION: ELEVATION: 1,247.6' WATERSHED: Lost Creek</div> <div>DISTRICT: Grant</div> <div>SURFACE OWNER: David K. Scrannage</div> <div>ROYALTY OWNER: Waco Oil &amp; Gas Co., Inc., et al</div> <div>LEASE NO: ACREAGE: 140</div> <div>PROPOSED WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION</div> <div><input checked="" type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY)</div> <div><input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG</div> <div>TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,080' TVD 21,631' MD</div>				
<div>WELL OPERATOR: HG Energy II Appalachia, LLC</div> <div>DESIGNATED AGENT: Diane C. White</div> <div>ADDRESS: 5260 Dupont Road</div> <div>ADDRESS: 5260 Dupont Road</div> <div>Parkersburg, WV 26101</div> <div>Parkersburg, WV 26101</div>				

05/09/2025



Legend

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)

ID	Lease
1	Vernie G. Young
4	John M. & S.A. Batten, his wife
5	John M. & S.A. Batten, his wife
6	Luther A. & Josie Bond, his wife
14	James E. & Emma L. Vanhorn, his wife
15	Rebecca & Clara Bond
22	Bertsyle E. & Betty Bohn, his wife, et al
27	Walter L. & Betty C. Bond, each in his own right & as husband & wife
34	The John William Rymer Living Trust
51	C.S. Gribble
73	J.C. & Grace A. McWhorter, his wife, et al
74	Gail Cochran, et ux, et al
TPK 3.1	WVDOT Division of Highways, Right of Way Division

Harrison County				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 9	David K. Scranage	1259 / 986	56.48
2	447 / 9.5	Albert M. Taylor	1399 / 309	10.02
3	447 / 13.4	Neal B. Swiger	1593 / 942	11.83
4	447 / 13	Sonja R. & James W. Rogers, et al	1410 / 858	33.62
5	447 / 14	Troy A. Gorby	1437 / 868	49.20
6	427 / 37	John R. & Francis K. Alsbrooks	1604 / 1043	30.00
7	427 / 38	John R. & Francis K. Alsbrooks	1604 / 1046	73.00
8	427 / 36	Louis J. & Robin L. Andy	1037 / 97	20.00
9	427 / 29	David K. Scranage	1411 / 903	91.00
10	427 / 30.3	Brenda Booth	1574 / 1140	133.83
11	427 / 30.2	Paul Z. Bowman	1163 / 86	15.93
12	427 / 30	Charlotte S. Snad	1320 / 878	20.79
13	427 / 30.7	Rhonda D. & Chester E. Arnett, Jr.	1321 / 507	2.00
14	427 / 30.9	Brenda C. Booth	1375 / 1057	25.22
15	427 / 30.4	Brenda C. Booth	1181 / 1055	6.55
16	427 / 30.5	William D. & Vicki J. Crawford	1075 / 280	3.63
17	427 / 30.8	Gregory K. Rigdon	1377 / 666	1.59
18	427 / 30.1	Gregory K. Rigdon	1223 / 1140	71.88
19	427 / 25	Rodney K. Cooper, Sr., et al	1482 / 59	5.25
20	427 / 50	Gregory K. Rigdon	1318 / 271	6.65
21	427 / 53.2	Gregory K. Rigdon	1369 / 748	7.08
22	427 / 53.3	Bobby C. & Taylor D. Thomas	1638 / 68	13.50
23	427 / 53.1	Michael D. & Stacey M. Claxton	1367 / 974	3.37
24	427 / 50.1	Gerald D. & Judy L. Hecox Revo. Trust	1551 / 460	2.40
25	427 / 12.13	Daniel L. & Carla A. Toothman	1393 / 190	1.80
26	427 / 12.16	Michael D. & Stacey M. Claxton	1402 / 611	2.00
27	427 / 12.14	Don E. & Danielle D. Skinner	1398 / 47	0.55
28	427 / 12.15	Jeremy D. & Matya B. Drennen	1453 / 708	1.45
29	427 / 12.17	David W. & Sherry K. De Rosset	1755 / 711	1.43
30	427 / 53	Bobby C. & Taylor D. Thomas	1638 / 73	5.40
31	407 / 69.10	David & Nancy C. Barron	1366 / 1257	10.02
32	427 / 12.4	Antoinette Skinner (LE), et al	1585 / 1205	0.56
33	427 / 12.12	James W. & Kimberly J. Anderson	1670 / 563	0.58
34	427 / 12.3	Gerald E. & Pamela R. Adams	1400 / 832	0.71
35	427 / 12.11	Michael L. & Carolyn S. Brown	1268 / 854	1.05
36	427 / 12	Stacey C. & Daniel E. Davis	1588 / 102	2.96
37	407 / 69.20	Edward S. & Pamela A. Lehasky	1534 / 1192	0.26
38	407 / 69.19	Jesse L. & Eileen E. Davis	1510 / 500	1.28

Harrison County				
No.	TM / Par	Owner	Bk / Pg	Ac.
39	407 / 69.18	James R. & Evelyn M. Doak	1724 / 1310	1.10
40	407 / 69.11	Jason Kral & Randi Lehasky	1732 / 998	2.55
41	407 / 69.12	Scioto Properties SP-16, LLC	1537 / 1124	2.47
42	407 / 69.13	Matthew B. & Jessica R. Johnson	1446 / 415	3.46
43	407 / 69	Kevin S. & Wanda M. Kaufman	1488 / 580	5.93
44	407 / 65	Steven M. & Wendy M. Main	1577 / 46	10.57
45	407 / 65.4	Steven M. & Wendy M. Main	1577 / 46	14.61
46	407 / 51	Michael D. & Diane L. Crim	1610 / 359	43.61
47	407 / 59	John W. Rymer (LE), et al	1765 / 284	66.14
48	407 / 52	John W. Rymer (LE), et al	1765 / 284	24.00
49	407 / 30.1	Walter Wagoner Estate	W138 / 128	23.63
50	407 / 50	Susan D. Shingleton, et al	1353 / 727	45.74
51	407 / 32	Bradford K. & Jessica D. Simons	1766 / 436	27.28
52	407 / 30.2	Trela S. Jackson	1369 / 866	0.41
53	407 / 32.2	Crawlers, LLC	1681 / 1158	5.82
54	407 / 21	Nancy J. Stout Jenkins	1029 / 708	19.00
55	407 / 30	Jerree A. & John David Stout	1606 / 100	25.13
56	407 / 26	Charles Wheeler, Jr. Estate, et al	1565 / 559	97.90
57	407 / 27	John D. Stout	1285 / 1051	2.41
58	407 / 19	Joseph K. Abell	1727 / 875	0.09
59	407 / 18	Joseph K. Abell	1727 / 875	0.09
60	407 / 17	Joseph K. Abell	1727 / 875	0.09
61	407 / 16	Deborah D. Sotir, et al	W147 / 1078	0.12
62	407 / 15	Deborah D. Sotir, et al	W147 / 1078	0.12
63	407 / 13	Richard P. & Christina L. Smeal	1548 / 153	19.30
64	407 / 6	Betty J. Pursley	1311 / 888	1.94
65	407 / 5	Candace S. Wheeler	F125 / 30	9.64
66	407 / 7	Jodi M. & Charles M. Burris	1502 / 888	2.81
67	407 / 14	Rick L. Griggs (LE), et al	1501 / 79	1.90
68	407 / 4	Rick L. Griggs (LE), et al	1501 / 79	10.00
69	407 / 8	Rick L. Griggs (LE), et al	1501 / 79	2.50
70	407 / 12	Laura Wimer	1370 / 926	0.35
71	407 / 11	Dennis E. Scheuvront	F129 / 132	0.24
72	407 / 10	Candy Wheeler	1361 / 674	1.06
73	407 / 9	Candy Wheeler	1229 / 17	12.56
74	387 / 47	John W. Carpenter, et ux, et al	1416 / 882	130.41
75	387 / 58	Richard J. Swiger, II	1537 / 328	0.18

FILE NO: 155-36-G-19

DRAWING NO: Scranage 1204 N-4H Well Plat

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:  
Submeter

PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

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

DATE: March 7 20 25

OPERATOR'S WELL NO. Scranage 1204 N-4H

API WELL NO

47 — 033 — 06100  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,247.6' WATERSHED: Lost Creek

DISTRICT: Grant

SURFACE OWNER: David K. Scranage

ROYALTY OWNER: Waco Oil & Gas Co., Inc., et al

LEASE NO: ACREAGE: 140

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: 7,080' TVD 21,631' 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

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

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

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

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

**\*\*See Attached Sheets\*\***

RECEIVED  
Office of Oil and Gas

APR 04 2025

WV Department of  
Environmental Protection

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

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

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

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

Well Operator: HG Energy II Appalachia, LLC

By: Diane White *Diane White*

Its: Agent

HG Energy II Appalachia, LLC  
Scranage 1204 N-4H Lease Chain

1204N-4H Tract	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
1	LC008503	12-0427-0029-0000	Q100618000	VERNIE G. YOUNG	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	121	125
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
4	LC008480 LC008481 HGII0004 HGII0005	12-0427-0030-0000 12-0427-0030-0001 12-0427-0030-0002 12-0427-0030-0003 12-0427-0030-0004 12-0427-0030-0005 12-0427-0030-0006 12-0427-0030-0007 12-0427-0030-0008 12-0427-0030-0009	Q101003000 Q100302000	JOHN M. BATTEN AND S. A. BATTEN, HIS WIFE	I. M. KELLEY AND W. A. BATTEN	NOT LESS THAN 1/8	116	473
				I. M. KELLEY AND W. A. BATTEN	SOUTH PENN OIL COMPANY	ASSIGNMENT	112	366
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				JOHN M. BATTEN AND S. A. BATTEN, HIS WIFE	I. M. KELLEY AND W. A. BATTEN	NOT LESS THAN 1/8	116	473
				I. M. KELLEY AND W. A. BATTEN	SOUTH PENN OIL COMPANY	ASSIGNMENT	112	366
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179

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5	LC008481	12-0427-0030-0006 p/o 12-0427-0030-0001 p/o 12-0427-0030-0002 p/o 12-0427-0030-0003 p/o 12-0427-0030-0009	Q100302000	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	LEWIS 736	220
				LUTHER A. BOND AND JOSIE BOND, HIS WIFE	OWEN WEST	NOT LESS THAN 1/8	159	215
				OWEN WEST	OLANDUS WEST	ASSIGNMENT	157	408
				OLANDUS WEST	THE GRASSELLI CHEMICAL COMPANY	ASSIGNMENT	159	99
				THE GRASSELLI CHEMICAL COMPANY	THE GRASSELLI CHEMICAL COMPANY	ASSIGNMENT	381	163
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
6	LC043716	12-0407-0069-0004 THRU 12-0407-0069-0010 12-0427-0011-0000 12-0427-0012-0000 THRU 12-0427-0012-0007 12-0427-0012-0009 12-0427-0012-0011 THRU 12-0427-0012-0017 12-0427-0049-0000 12-0427-0050-0000 12-0427-0050-0001 12-0427-0053-0000 12-0427-0053-0001 12-0427-0053-0002 12-2016-0001-0000 THRU 12-2016-0012-0000	Q100523000 HGH0367	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				JAMES VAN HORN AND EMMA L. VAN HORN, HIS WIFE	THE FISHER OIL COMPANY	NOT LESS THAN 1/8	119	263
				THE FISHER OIL COMPANY	OLANDUS WEST	ASSIGNMENT	156	77
				OLANDUS WEST	JNO. T. P. O'BRIEN	ASSIGNMENT	155	407
				JNO. T. P. O'BRIEN	THE GRASSELLI CHEMICAL COMPANY	ASSIGNMENT	158	492
				THE GRASSELLI CHEMICAL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	381	163
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
14	LC043755	12-0407-0051-0000 p/o 12-0407-0064-0000 12-0407-0064-0001 12-0407-0064-0002 12-0407-0064-0003 12-0407-0065-0000 12-0407-0065-0004	Q100871000	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692

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				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
15	LC008537	12-0407-0056-0000	Q101004000	REBECCA BOND AND CLARA BOND	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	140	537
		12-0407-0056-0001		SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
		12-0407-0056-0002		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
		12-0407-0056-0003		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
		12-0407-0057-0001		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
		12-0407-0057-0002		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
		12-0407-0057-0003		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
		12-0407-0059-0000				FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
		12-0407-0059-0001		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
		12-0407-0060-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
		12-0407-0060-0001		DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
		12-0407-0060-0002		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	692
		12-0407-0067-0000		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	WVSOS	
		12-0407-0068-0000		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
		12-0407-0068-0001				THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
		12-0407-0068-0002		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
		12-0407-0068-0003		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
		12-0407-0069-0000		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
		12-0407-0069-0014						
		12-0407-0069-0017						
		12-0407-0071-0000						
		12-0407-0015-0000	Q100954000 Q100246000 Q100519000 Q100527000	BERTSYLE E. BOHN AND BETTIE BOHN, HIS WIFE; AND MOYNE B. WAGONER AND WALTER WAGONER, HER HUSBAND	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1025	658
		12-0407-0016-0000		WAGONER AND WALTER WAGONER, HER HUSBAND	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
		12-0407-0017-0000		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	51	795
		12-0407-0018-0000		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	58	362
		12-0407-0019-0000		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	58	362
		12-0407-0020-0000		CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MEMORANDUM FARMOUT AGREEMENT	1522	33
		12-0407-0021-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
		12-0407-0022-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	NOT LESS THAN 1/8	1551	969
		12-0407-0022-0001		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY	PARTIAL ASSIGNMENT (32%)	1576	125
		12-0407-0022-0001		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
		12-0407-0028-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	692
		12-0407-0030-0000		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	WVSOS	
		12-0407-0030-0001		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
		12-0407-0030-0002				THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
		12-0407-0032-0000		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
		12-0407-0032-0001		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
		12-0407-0032-0002						
		12-0407-0032-0003		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
		12-0407-0050-0000		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
TPK 3.1	HGII02964	N/A	HGII02964	West Virginia department of Transportation Division of Highways, Right of Way Division	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1749	158
27	LC074059	12-0407-0013-0000	Q100716000	WALTER LEE BOND AND BETTY C. BOND, EACH IN HIS OWN RIGHT AND AS HUSBAND AND WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	896	554
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125

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				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
34	HGII02367	12-0407-0052-0000 12-0407-0053-0000,	HGII02367	The John William Rymer Living Trust	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1765	284
51	LC008505	12-0447-0009-0000 12-0447-0009-0001 12-0447-0009-0002 12-0447-0009-0004 12-0447-0009-0005 12-0447-0046-0000 12-0447-0047-0000	Q100925000	C. S. GRIBBLE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	121	152
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
73	LC066660	12-0427-0037-0000	Q100531000	J. C. MCWHORTER AND GRACE A. MCWHORTER, HIS WIFE; IDEN MCWHORTER AND OKLA MCWHORTER, HIS WIFE; AND THELMA VIRGINIA VINCENT, WIDOW	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	776	243
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081

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74	LC066755	12-0427-0036-0000	Q100804000	GAIL R. COCHRAN AND NELLIE WILSON COCHRAN, HIS WIFE; OTIS C. COCHRAN AND MARIE REGISTER COCHRAN, HIS WIFE; NELLIE COCHRAN WILSON AND ALBERT WILSON, HER HUSBAND; NANCY E. COCHRAN, WIDOW; VERA G. GEORGE AND CHARLES GEORGE, HER HUSBAND; MORELY COCHRAN AND EDNA E. COCHRAN, HIS WIFE; HAROLD B. COCHRAN AND VIVIAN WOOD COCHRAN, HIS WIFE; CLIFFORD C. COCHRAN AND SOPHIA KOVAR COCHRAN, HIS WIFE				
				HOPE NATURAL GAS COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	779	7
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				CNX GAS COMPANY LLC	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081

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

4703306100

March 5, 2025

Cragin Blevins  
WV DEP  
Division of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, WV 25304

RE: Drilling Under Roads – Scranage 1204 N-4H  
Grant District, Harrison County  
West Virginia

Dear Mr. Blevins -

HG Energy II Appalachia, LLC, is submitting the attached application for a new well work permit for the Scranage 1204 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 Scranage 1204 laterals will drill through including 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](mailto:dwhite@hgenergyllc.com) or 304-420-1119.

Very truly yours,

*Diane White*

Diane C. White

Enclosures

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**Horizontal Natural Gas Well Work Permit  
Application Notice By Publication**

**Notice is hereby given:**

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

**Paper:** The Exponent Telegram Newspaper

**Public Notice Date:** Wednesday, March 5th & Wednesday, March 12th, 2025

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads **or** utilizes more than two hundred ten thousand gallons of water in any thirty day period.

**Applicant:** HG Energy II Appalachia, LLC **Well Number:** Scrannage 1204 N-4H

**Address:** 5260 Dupont Road  
Parkersburg, WV 26101

**Business Conducted:** Natural gas production.

**Location –**

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State: West Virginia

District: Grant

County: Harrison

Quadrangle: Mt Clare 7.5'

APR 04 2025

UTM Coordinate NAD83 Northing: 4334270.0

UTM coordinate NAD83 Easting: 558306.7

Watershed: Lost Creek

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**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: [http://tagis.dep.wv.gov/convert/llutm\\_conus.php](http://tagis.dep.wv.gov/convert/llutm_conus.php)

**Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

**Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to [DEP.comments@wv.gov](mailto:DEP.comments@wv.gov).

**Submitting Comments:**

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57<sup>th</sup> Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

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

**Date of Notice Certification:** 03/10/2025

**API No. 47-** \_\_\_\_\_  
**Operator's Well No.** Scranage 1204 N-4H  
**Well Pad Name:** Scranage Well Pad

**Notice has been given:**

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>558306.7</u>
County:	<u>Harrison</u>		Northing:	<u>4334270.0</u>
District:	<u>Grant</u>	Public Road Access:	<u>Rices Run Road</u>	
Quadrangle:	<u>Mount Clare</u>	Generally used farm name:	<u>Scranage</u>	
Watershed:	<u>Lost Creek</u>			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>		<p align="center"><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
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**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.

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**Certification of Notice is hereby given:**

THEREFORE, I Diane White, have read and understand the notice requirements within West Virginia Code § 22-6A. 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

By: Diane White

Its: Agent

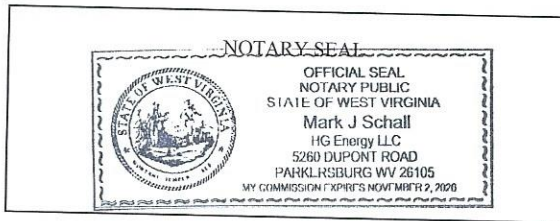
Telephone: 304-420-1119

Address: 5260 Dupont Road

Parkersburg, WV 26101

Facsimile: 304-863-3172

Email: dwhite@hgenergyllc.com



Subscribed and sworn before me this 10th day of March, 2025.

[Signature] Notary Public

My Commission Expires 11/2/2026

**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](mailto:depprivacyofficer@wv.gov).

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

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 1/11/2023 **Date Permit Application Filed:** 1/19/2023

**Notice of:**

- ☒ PERMIT FOR ANY WELL WORK      ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

- ☐ PERSONAL SERVICE      ☐ REGISTERED MAIL      ☒ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") 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.

☒ Application Notice   ☒ WSSP Notice   ☒ E&S Plan Notice   ☒ Well Plat Notice   is hereby provided to:

☒ **SURFACE OWNER(s)**

Name: David K Scravage (pad, road, water)  
Address: 633 Rices Run Road  
Lost Creek, WV 26385

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☐ **SURFACE OWNER(s) (Road and/or Other Disturbance)**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☐ **SURFACE OWNER(s) (Impoundments or Pits)**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☐ **COAL OWNER OR LESSEE**

Name: NA  
Address: \_\_\_\_\_

☐ **COAL OPERATOR**

Name: NA  
Address: \_\_\_\_\_

☐ **SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☒ **OPERATOR OF ANY NATURAL GAS STORAGE FIELD**

Name: BHE GT&S - Attn: Jamie Moore  
Address: 925 White Oaks Blvd  
Bridgeport, WV 26330

\*Please attach additional forms if necessary

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**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

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**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 noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding 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

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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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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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. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

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### **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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WW-6A  
(8-13)

4703306100  
API NO. 47-  
OPERATOR WELL NO. Scraper 1204 N-1H to S-10H  
Well Pad Name: Scraper 1204

**Notice is hereby given by:**

Well Operator: HG Energy II Appalachia, LLC

Telephone: 304-420-1119

Email: dwhite@hgenergyllc.com Diane White

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](mailto:depprivacyofficer@wv.gov).



OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
Cassidy Boardman  
5260 Dupont Rd  
Parkersburg, WV 26101  
My Commission Expires July 31, 2027

Subscribed and sworn before me this 10th day of January, 2023

Cassidy Boardman

Notary Public

My Commission Expires 7/31/2027

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APR 04 2025

WV Department of  
Environmental Protection

05/09/2025

4703306100

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

**Date of Notice:** 09/01/2022      **Date of Planned Entry:** 09/08/2022

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

☐ PERSONAL SERVICE      ☐ REGISTERED MAIL      ☒ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

**Notice is hereby provided to:**

☒ SURFACE OWNER(s)

Name: David K Scranage (LLC (pad, road, royalty owner)  
Address: 633 Rices Run Road  
Lost Creek, WV 26385

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

☐ COAL OWNER OR LESSEE

Name: NA  
Address: \_\_\_\_\_

☒ MINERAL OWNER(s)

Name: \*\* See Attached List  
Address: \_\_\_\_\_

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia  
County: Harrison  
District: Grant  
Quadrangle: Mt. Clare 7.5"

Approx. Latitude & Longitude: 39.155681 & 80.325170  
Public Road Access: Rices Run Road  
Watershed: Lost Creek  
Generally used farm name: Scranage

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: HG Energy II Appalachia, LLC  
Telephone: 304-420-1119  
Email: dwhite@hgenergyllc.com

Address: 5260 Dupont Road  
Parkersburg, WV 26101  
Facsimile: 304-863-3172

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WV Department of  
Environmental Protection

**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](mailto:depprivacyofficer@wv.gov).

05/09/2025

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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 Requirement:** Notice shall be provided at least TEN (10) days prior to filing a permit application.

**Date of Notice:** 10/07/2022

**Date Permit Application Filed:** 10/21/2022

**Delivery method pursuant to West Virginia Code § 22-6A-16(b)**

☐ HAND

DELIVERY

☒ CERTIFIED MAIL

RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

**Notice is hereby provided to the SURFACE OWNER(s):**

Name: David K Scranage

Address: 633 Rices Run Road

Lost Creek, WV 26385

Name: \_\_\_\_\_

Address: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

APR 04 2025

WV Department of  
Environmental Protection

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: West Virginia

County: Harrison

District: Grant

Quadrangle: Mt. Clare WV 7.5'

Watershed: Lost Creek

UTM NAD 83. Easting: 558306.8

Northing: 4334265.4

Public Road Access: Rice Run Road @ SR 46

Generally used farm name: David Scranage

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: HG Energy II Appalachia, LLC

Address: 5260 Dupont Road

Parkersburg, WV 26101

Telephone: 304-420-1119

Email: dwhite@hgenergyllc.com

Facsimile: 304-863-3172

Authorized Representative: Diane White

Address: 5260 Dupont Road

Parkersburg, WV 26101

Telephone: 304-420-1119

Email: dwhite@hgenergyllc.com

Facsimile: 304-863-3172

**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](mailto:depprivacyofficer@wv.gov).

05/09/2025

4703306100

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

**Notice Time Requirement:** notice shall be provided no later than the filing date of permit application.

**Date of Notice:** 10/14/2022

**Date Permit Application Filed:** 10/17/2022

**Delivery method pursuant to West Virginia Code § 22-6A-16(c)**

☒ **CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

☐ **HAND**

**DELIVERY**

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

**Name:** David K Scranage

**Address:** 633 Rice Run Road

Lost Creek, WV 26385

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

**State:** West Virginia

**County:** Harrison

**District:** Grant

**Quadrangle:** Mt. Clare WV 7.5'

**Watershed:** Lost Creek

**UTM NAD 83**

**Easting:** 558306.8

**Northing:** 4334265.4

**Public Road Access:**

Rice Run Road @ SR 46

**Generally used farm name:**

David Scranage

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Well Operator:** HG Energy II Appalachia, LLC

**Telephone:** 304-420-1119

**Email:** dwhite@hgenergyllc.com

**Address:** 5260 Dupont Road

Parkersburg, WV 26101

**Facsimile:** 304-863-3172

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Office of Oil and Gas

APR 04 2025

WV Department of  
Environmental Protection

05/09/2025



4703306100

**WEST VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

1900 Kanawha Boulevard East • Building Five • Room 109  
Charleston, West Virginia 25305-0440 • (304) 558-0444

Michael J. DeMers  
Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E.  
Secretary of Transportation  
Commissioner of Highways

February 24, 2025

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

Subject: DOH Permit for the 1204 Scrannage Well Pad, Harrison County  
Well Sites: Scrannage 1204 N-1H Scrannage 1204 N-2H Scrannage 1204 N-3H  
Scrannage 1204 N-4H Scrannage 1204 N-5H Scrannage 1204 N-6H  
Scrannage 1204 S-7H Scrannage 1204 S-8H Scrannage 1204 S-9H  
Scrannage 1204 S-10H Scrannage 1204 S-11H Scrannage 1204 S-12H

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2022-0694 which has been issued to HG Energy II Appalachia, LLC for access to the State Road for a well site located off Harrison County Route 44/5 SLS MP 0.36.

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 March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Lacy D. Pratt  
Central Office O&G Coordinator

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Office of Oil and Gas

APR 04 2025

WV Department of  
Environmental Protection

Cc: Diane White  
HG Energy II Appalachia, LLC  
OM, D-4  
File

05/09/2025

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**HG Energy II Appalachia, LLC**  
**List of Frac Additives by Chemical Name and CAS #**  
**Scranage 1204 Well Pad (N-1H to S-12H)**

Chemical Name	CAS #	Multiple CAS #'s
Pro Shale Slik 405	Mixture	68551-12-2
		7647-14-5
		12125-02-9
		64742-47-8
Pro Hib II	Mixture	68412-54-4
		68607-28-3
		107-21-1
		111-76-2
		67-56-1
		107-19-7
Silica Sand and Ground Sand	Mixture	14808-60-7
		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
		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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WV Department of  
Environmental Protection

05/09/2025

OPERATOR: HG Energy II Appalachia, LLC WELL NO: Scranage 1204 N-4H

PAD NAME: Scranage 1204

REVIEWED BY: Diane White SIGNATURE: Diane White


## WELL RESTRICTIONS CHECKLIST

### HORIZONTAL 6A WELL

#### Well Restrictions

- ☐ At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
  - ☒ DEP Waiver and Permit Conditions
- ☒ At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
  - ☐ DEP Waiver and Permit Conditions
- ☒ At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
  - ☐ DEP Waiver and Permit Conditions
- ☒ At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
  - ☐ Surface Owner Waiver and Recorded with County Clerk, OR
  - ☐ DEP Variance and Permit Conditions
- ☒ At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
  - ☐ Surface Owner Waiver and Recorded with County Clerk, OR
  - ☐ DEP Variance and Permit Conditions
- ☒ At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR
  - ☐ Surface Owner Waiver and Recorded with County Clerk, OR
  - ☐ DEP Variance and Permit Conditions

05/09/2025



**WEST VIRGINIA  
COUNTY MAP**

**HARRISON COUNTY**

### 1204 Well Site

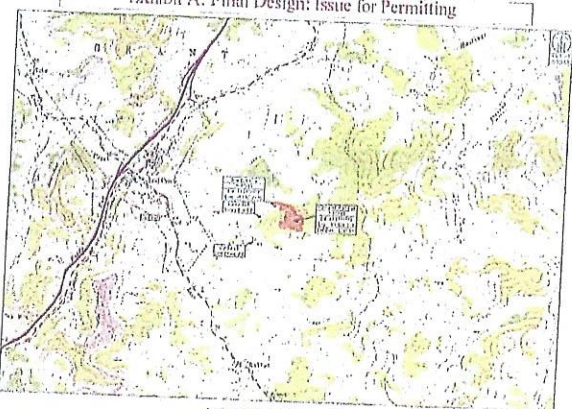
Site Design, Construction Plan, &  
Erosion and Sediment Control Plans  
HG Energy LLC  
Harrison County  
Grant District  
Latitude 39.1556390°  
Longitude -80.3246105°  
Middle West Fork River Watershed

**Permit Site Information**

1204 Well Site  
Permit Number: 104-0241114  
Grant District, Harrison County, WV  
Watershed: Middle West Fork River Watershed  
Site 911 Address

HG Energy Company Number: 104-0241114

**Exhibit A: Final Design: Issue for Permitting**



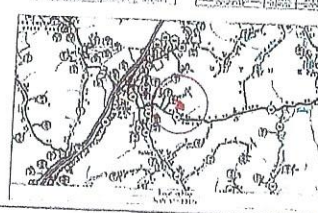
**Project Summary**

**Location:** 1204 Well Site, Grant District, Harrison County, WV

**Project Description:** Construction of a new well and associated infrastructure, including a 2-inch diameter well casing, a 4-inch diameter vent pipe, and a 6-inch diameter access road.

**Proposed Construction:** The proposed construction includes the installation of a 2-inch diameter well casing, a 4-inch diameter vent pipe, and a 6-inch diameter access road. The well casing will be installed to a depth of 100 feet, and the vent pipe will be installed to a height of 10 feet above the ground surface. The access road will be constructed to a width of 10 feet and a length of 100 feet.

**Site Plan**



**Notes**

1. The proposed construction is shown in red on the site plan.

2. The well casing will be installed to a depth of 100 feet.

3. The vent pipe will be installed to a height of 10 feet above the ground surface.

4. The access road will be constructed to a width of 10 feet and a length of 100 feet.

**APPROVED**  
WV DEP OOG  
3/22/2023

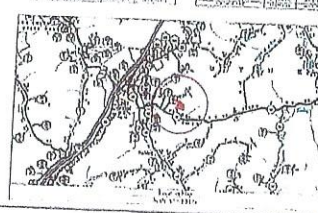
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**Site Plan**



**Notes**

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2. The well casing will be installed to a depth of 100 feet.

3. The vent pipe will be installed to a height of 10 feet above the ground surface.

4. The access road will be constructed to a width of 10 feet and a length of 100 feet.

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WV Department of  
Environmental Protection

*Ky Willett* 3/13/25

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WEST VIRGINIA  
COUNTY MAP



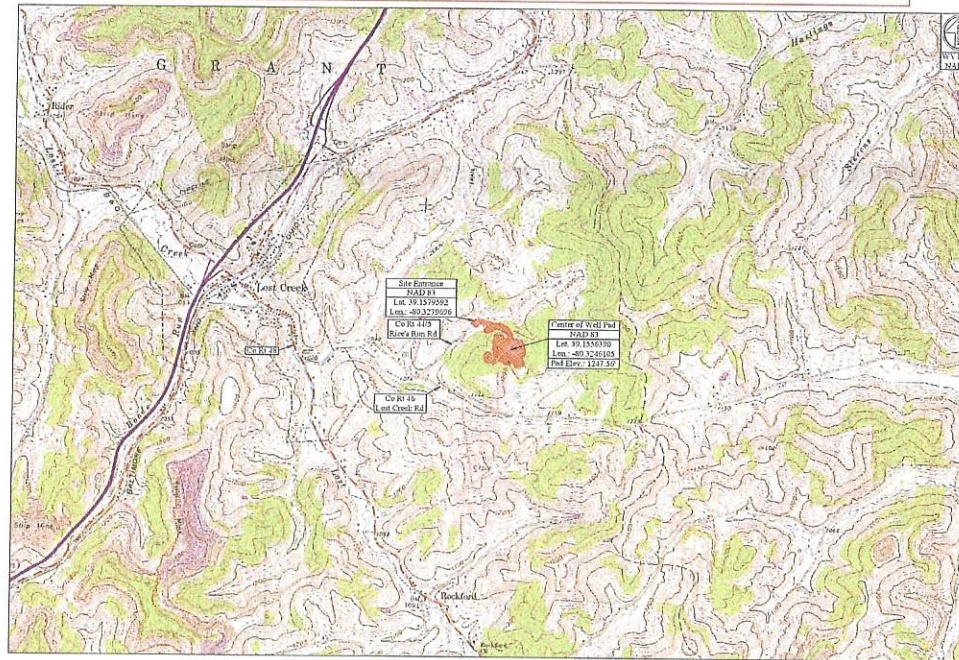
**1204 Well Site**  
Site Design, Construction Plan, &  
Erosion and Sediment Control Plans  
HG Energy LLC  
Harrison County  
Grant District  
Latitude 39.1556390°  
Longitude -80.3246105°  
Middle West Fork River Watershed

**Pertinent Site Information**  
1204 Well Site  
Emergency Number: 304-623-4115  
Grant District, Harrison County, WV  
Watershed: Middle West Fork River Watershed  
Site 911 Address:  
  
HG Energy Contact Number: 304-420-1100

Property Owner Information - 1204 Well Site						
Grant District - Harrison County						
Owner	Y1 - Parcel	Well Pad	Access Road	Topsoil/Erosion	Asst. Grading	Total Estimated
David Searles	44.9	8.87	1.99	2.16	0.29	57.29
Site Totals (Acres)						
	44.9	8.87	1.99	2.16	0.29	57.29

**Exhibit A: Final Design: Issue for Permitting**

Site Entrance		Center of Well Pad		Center of AST	
WV-NAD 83 E 173818.89	WV-NAD 83 E 173818.89	WV-NAD 83 E 173818.89	WV-NAD 83 E 173818.89	WV-NAD 83 E 173818.89	WV-NAD 83 E 173818.89
WV-NAD 27 N 206091.60	WV-NAD 27 N 206091.60	WV-NAD 27 N 206091.60	WV-NAD 27 N 206091.60	WV-NAD 27 N 206091.60	WV-NAD 27 N 206091.60
WV-NAD 27 E 115819.02	WV-NAD 27 E 115819.02	WV-NAD 27 E 115819.02	WV-NAD 27 E 115819.02	WV-NAD 27 E 115819.02	WV-NAD 27 E 115819.02
Lat NAD 83 39.155639	Lat NAD 83 39.155639	Lat NAD 83 39.155639	Lat NAD 83 39.155639	Lat NAD 83 39.155639	Lat NAD 83 39.155639
Long NAD 83 -80.324610	Long NAD 83 -80.324610	Long NAD 83 -80.324610	Long NAD 83 -80.324610	Long NAD 83 -80.324610	Long NAD 83 -80.324610
UTM 17 NAD 83 E 431425.05	UTM 17 NAD 83 E 431425.05	UTM 17 NAD 83 E 431425.05	UTM 17 NAD 83 E 431425.05	UTM 17 NAD 83 E 431425.05	UTM 17 NAD 83 E 431425.05
UTM 17 NAD 83 E 558065.06	UTM 17 NAD 83 E 558065.06	UTM 17 NAD 83 E 558065.06	UTM 17 NAD 83 E 558065.06	UTM 17 NAD 83 E 558065.06	UTM 17 NAD 83 E 558065.06
Proposed AST: 20,000 bbl Tank (110' Diameter) with 24,000 bbl Secondary Containment (125' Diameter)		Well Pad: 20,000 bbl Tank (110' Diameter) with 24,000 bbl Secondary Containment (125' Diameter)		AST: 20,000 bbl Tank (110' Diameter) with 24,000 bbl Secondary Containment (125' Diameter)	



Property Owner Information - 1204 Well Site						
Grant District - Harrison County						
Owner	Y1 - Parcel	Well Pad	Access Road	Topsoil/Erosion	Asst. Grading	Total Estimated
David Searles	44.9	8.87	1.99	2.16	0.29	57.29
Site Totals (Acres)						
	44.9	8.87	1.99	2.16	0.29	57.29

Access Road						
Surface Owner	Y1 - Parcel	Road Length	Type	Well Pad Access Road	AST Access Road	
David Searles	44.9	254.54	AST Access Road			
Disturbed Area						
Well Pad Construction		8.87 Ac				
Access Road Construction		1.99 Ac				
Topsoil / Erosion Material		2.16 Ac				
Additional Disturbed Area		8.27 Ac				
Total Disturbed Area		21.29 Ac				
Additional Information						
Total Well Pad Area Disturbed		18.86 Ac				
Total Linear Feet of Access Road		1,978.38'				

1204 Well Site Quantities						
Description	Unit (CY)	Unit (CY)	Unit (CY)	Unit (CY)	Unit (CY)	Unit (CY)
Well Pad	85,394.08	66,991.97	18,009.87			
Well Pad Access Road	2,465.11	1,917.97		2,751.36	12.88%	98.70
AST Access Road	81.42	1,640.00		1,728.13	12.88%	265.30
Topsoil/Erosion Material Stockpile	1,507.34			21,507.34		N/A
Totals	88,338.01	70,550.94	18,009.87	22,637.83		
Total Stock (CY)		-13,018.3		(Return Spoil to Landfill)		

Watercourse Impact (Linear Feet)						
Stream and Impact Cause	Culvert (LF)	Streambed Fill (LF)	Slope Fill (LF)	Channel Erosion	Channel Deposition	Total Impact (LF)
Watercourse B (Access Road)	68.00	20.00	-	2.50		90.50
Total Stream Impact						
						90.50

**Project Contacts**

**HG Energy LLC**  
Jared Stangle - Construction Manager  
740-336-2477

**Survey and Engineer**  
Kenneth Lilly  
304-316-4685 C/E  
John P. See  
304-442-6229 C/E  
Zachary Sauerfeld  
304-316-4693 C/E

**HG Energy, LLC**  
5240 Dupont Road  
Parkersburg, WV 26101  
P.O. Box 100119  
Fax 304-653-3175

**Environmental**  
Wetland Delineation as provided by Palustris Environmental dated September 6, 2022

**Topographic Information**  
The topographic information herein is based on aerial photography by the West Virginia GIS Technical Center

**MISS UTILITY OF WEST VIRGINIA**  
1-800-245-4848  
West Virginia State Gas  
Division of Gas  
300 Capitol Mall, Suite 2400  
Charleston, WV 25301  
Fax 304-556-3175

**811**  
Know what's below.  
Call before you dig.

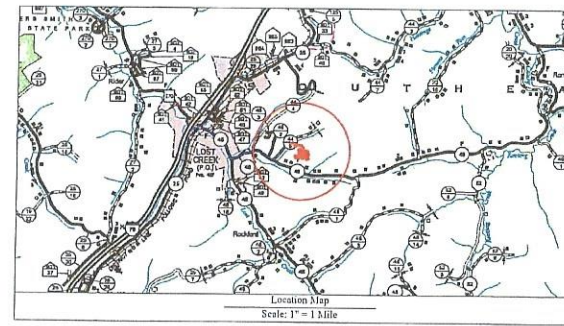
HG Energy LLC will obtain an Erosion/Encroachment Permit (Form MM-10) from the WV Department of Transportation, Division of Highways, prior to the commencement of any construction activities.

The WV Mines Website was consulted. Previous mining activities are not within the AOI.

WVDEP Website files show that there is one plugged gas wells within the AOI.

**Floodplain Conditions**  
No site construction activities take place in a floodplain.  
Floodplain shown on drawings.  
Floodplain shown on drawings.  
Floodplain shown on drawings.  
Floodplain shown on drawings.

Site Locations (NAD 27)			Site Locations (NAD 83)		
Structure	Latitude (NAD 27)	Longitude (NAD 27)	Structure	Latitude (NAD 83)	Longitude (NAD 83)
Site Entrance	39.155639	-80.324610	Site Entrance	39.155639	-80.324610
Center of Well Pad	39.155639	-80.324610	Center of Well Pad	39.155639	-80.324610
Center of AST	39.155639	-80.324610	Center of AST	39.155639	-80.324610



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**WVDEP OOG**  
2/21/2023

Well Location Restrictions	
All Pad construction complies with the following restrictions:	
*250' from an existing well or developed spring used for human or domestic animals	
*625' from an occupied dwelling or barn greater than 2,500 SF used for poultry or dairy measured from the center of the pad.	
*300' from the edge of disturbance to a naturally reproducing trout stream	
*1,000' from a surface or ground water intake to a public water supply	
(Well Location Restrictions of WV Code 22-6A-12)	
Point Conditions	
The drawings, construction and well location documents shall be on file in my possession or under the custody of the West Virginia Code of State Rules, Division of Environmental Protection, Office of Oil and Gas Affairs.	
All Plans, Sheets, or Maps Referenced Herein included in this design document are complete as shown.	
Zachary C. Sauerfeld WV Surveyor License DCA 0002308	
Date: 02/21/2023	

Sheet	Description
1	Cover Sheet
V1	Schedule of Quantities
N1-N4	Site Notes
2	Pre-Construction Site Conditions
3	Site Soil Map
4	Clearing Exhibit
5	Overall Plan View
6	E&S Plan View
7	Toe Key Exhibit
8	Plan View
9-10	Cross Sections - Well Pad
11-12	Cross Sections - Access Road
13	Cross Sections - Topsoil Stockpiles
G1-G2	Geotechnical Exhibit
L1	Landowner Disturbed Area Exhibit
S1	Site Reclamation
M1-M2	Production Exhibit
D1-D2	Erosion and Sediment Control Details
R1	Access Road Details
P1	Pad Details

**COVER SHEET**

**1204 Well Site**  
Grant District  
Harrison County, WV

**HG ENERGY LLC**

THIS DOCUMENT  
PREPARED FOR  
HG ENERGY LLC

**Kelly Surveying**  
P.O. Box 200  
Parkersburg, WV 26101  
304-336-2477

Date: 02/21/2023  
Scale: As Shown  
Designed By: ZS  
File No:  
Sheet 1 of 14

1204 Well Site  
HG Energy LLC  
Exhibit A: Final Design: Issue for Permitting



Revision  
Date  
08/29/2022



THIS DOCUMENT  
PREPARED FOR  
HG ENERGY LLC

**Kelly Surveying**  
P.O. Box 334  
Lansburg, WV 25829  
(304) 338-4988

Site Plan  
1204 Well Site  
Grant District  
Harrison County, WV

Date: 08/29/2022  
Scale: As Shown  
Designed By: ZS  
File No:  
Sheet 16 of 14

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WVDEP OOG**  
2/21/2023

Disturbed Area	
Well Pad Construction	8.87 Ac
Access Road Construction	1.09 Ac
Access Road Right-of-Way	2.76 Ac
Additional Grading	6.27 Ac
Additional Grading	61.29 Ac
Additional Information	
Total Wooded Area Disturbed	13.89 Ac
Total Linear Feet of Access Road	1,021.78

Access Road		
Surface Owner	Right-of-Way Length	Type
David Searge	44'-0"	Well Pad Access Road
David Searge	504.52'	AST Access Road

Legend	
Original Ground 2' Contour	12" Compens Filter Sock
Original Ground 10' Contour	16" Compens Filter Sock
Design 2' Contour	24" Compens Filter Sock
Design 10' Contour	36" Compens Filter Sock
Center of Disturbance	50' Fence
Property Line	50' Buffer Zone
Existing Utility Pole Line	Area of Interest
	Existing One Line
	Without
	With
	Yield
	Envision Central Bladder Slope Area
	Shoreline
	Well Pad Access Road
	AST Access Road
	Road Lined Ditch
	Envision Central Bladder Lined Ditch

