



west virginia department of environmental protection

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

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

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

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

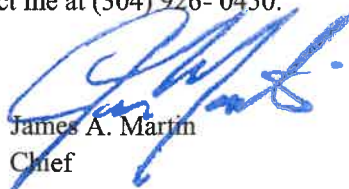
PARKERSBURG, WV 26101

Re: Permit approval for SCRANAGE 1204 S-10H
47-033-06103-00-00

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 S-10H
Farm Name: DAVID K. SCRANAGE
U.S. WELL NUMBER: 47-033-06103-00-00
Horizontal 6A New Drill
Date Issued: 5/5/2025

Promoting a healthy environment.

05/09/2025

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.

CONDITIONS

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 494519932 Harrison Grant Mount Clare 7.5'
Operator ID County District Quadrangle
- 2) Operator's Well Number: Scranage 1204 S-10H 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: 22,500'
- 11) Proposed Horizontal Leg Length: 14,600'
- 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: _____

RECEIVED
Office of Oil and Gas

APR 03 2025

WV Department of
Environmental Protection

4703306103

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Office of Oil and Gas

APR 03 2025

WV Department of
Environmental ProtectionWW-6B
(04/15)API NO. 47-
OPERATOR WELL NO. Scarnage 1204 S-10H
Well Pad Name: Scarnage 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	5000'	5000' ✓	40% excess tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	22500'	22500' ✓	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	Least 40% excess, Tail 20% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750		Type 1/Class A	Least 40% excess, Tail 20% excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	Least 40% excess, Tail 20% excess
Tubing						Type 1/Class A	20% excess yield = 1.10, 110' interval = 1.20
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

Kg Willett 3/13/25

05/09/2025

APR 03 2025

WV Department of
Environmental Protection

4703-306103
API NO: 47-

OPERATOR WELL NO. Scranage 1204 S-10H

Well Pad Name: Scranage 1204

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 14,600' lateral length, 22,500' 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.

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 CaCl₂, 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 - 5 lb per BDL 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 - "Load: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂ 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess. CTS"
Production - "Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA17020% Excess Lead Yield=1.19 Tail Yield=1.94 CTS"

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

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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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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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														
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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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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												
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Sucrose	90 - 100	57-50-1																			
EC-1																					
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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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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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.												
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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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05/09/2025

*** 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
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 D801 - 0.03 gal / sack Retarder - 0% Excess

1204 S-10H
 Marcellus Shale Horizontal
 Harrison County, WV



Ground Elevation			1247.6'			1204 S-10H SHL			14220018.73N 1832037.25E			
Azm			159.942°			1204 S-10H LP			14220062.06N 1833275.47E			
WELLBORE DIAGRAM			159.942°			1204 S-10H BHL			14206349.01N 1838267.04E			
			HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
<div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><div>X</div><di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WV Department of Environmental Protection

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 Office of Oil and Gas
 APR 03 2025
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4703306103

WW-9
(4/16)RECEIVED
Office of Oil and Gas

API Number 47 - _____ - _____

Operator's Well No. Scranage 1204 S-10H

APR 03 2025

WV Department of
Environmental ProtectionSTATE 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 494501907Watershed (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: NAWill 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 - SOBMM-If oil based, what type? Synthetic, petroleum, etc. SyntheticAdditives to be used in drilling medium? Water, Soap, KCl, Barite, Base Oil, Wetting AgentsDrill 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

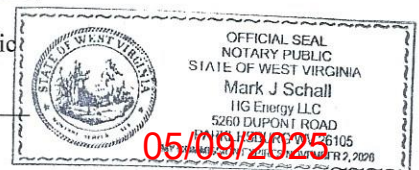
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 WhiteCompany Official (Typed Name) Diane WhiteCompany Official Title AgentSubscribed and sworn before me this 10th day of March, 20 25My commission expires 4/2/2026

Notary Public



4703306103

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Office of Oil and Gas

APR 03 2025

WV Department of
Environmental Protection

Form WW-9

HG Energy II Appalachia, LLC

Operator's Well No. Scravage 1204 S-10H

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:

Maps(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: Ry Willets

Comments: Pre-seed/mulch as soon as reasonably possible per regulation.

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

Title: Oil & Gas Inspector

Date: 3/13/25

Field Reviewed? ☒ Yes ☐ No

05/09/2025

4703306103



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

R. J. Willett 3/13/25

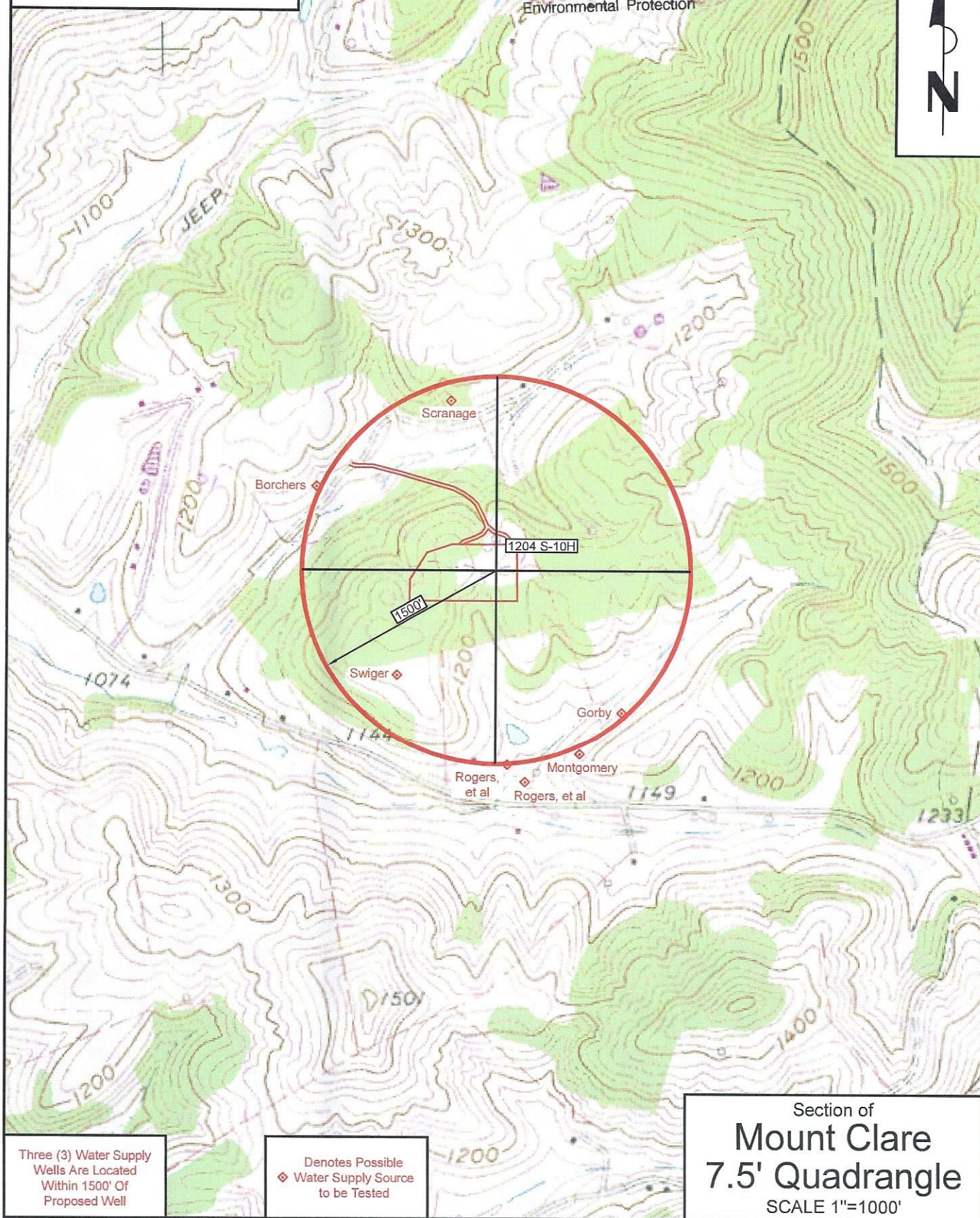
05/09/2025

APR 03 2025

WV Department of
Environmental Protection

SUBJECT WELL

Scranage 1204 S-10H



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

3,103' to Bottom Hole

9,226' to Top Hole

HG Energy II Appalachia, LLC
Well No. Scranage 1204 S-10H

Page 1 of 3

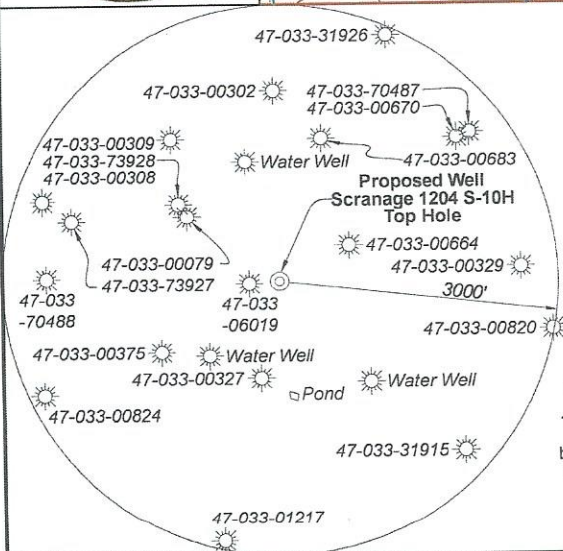
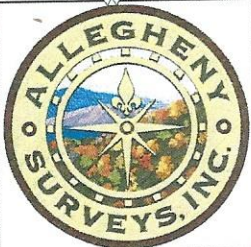
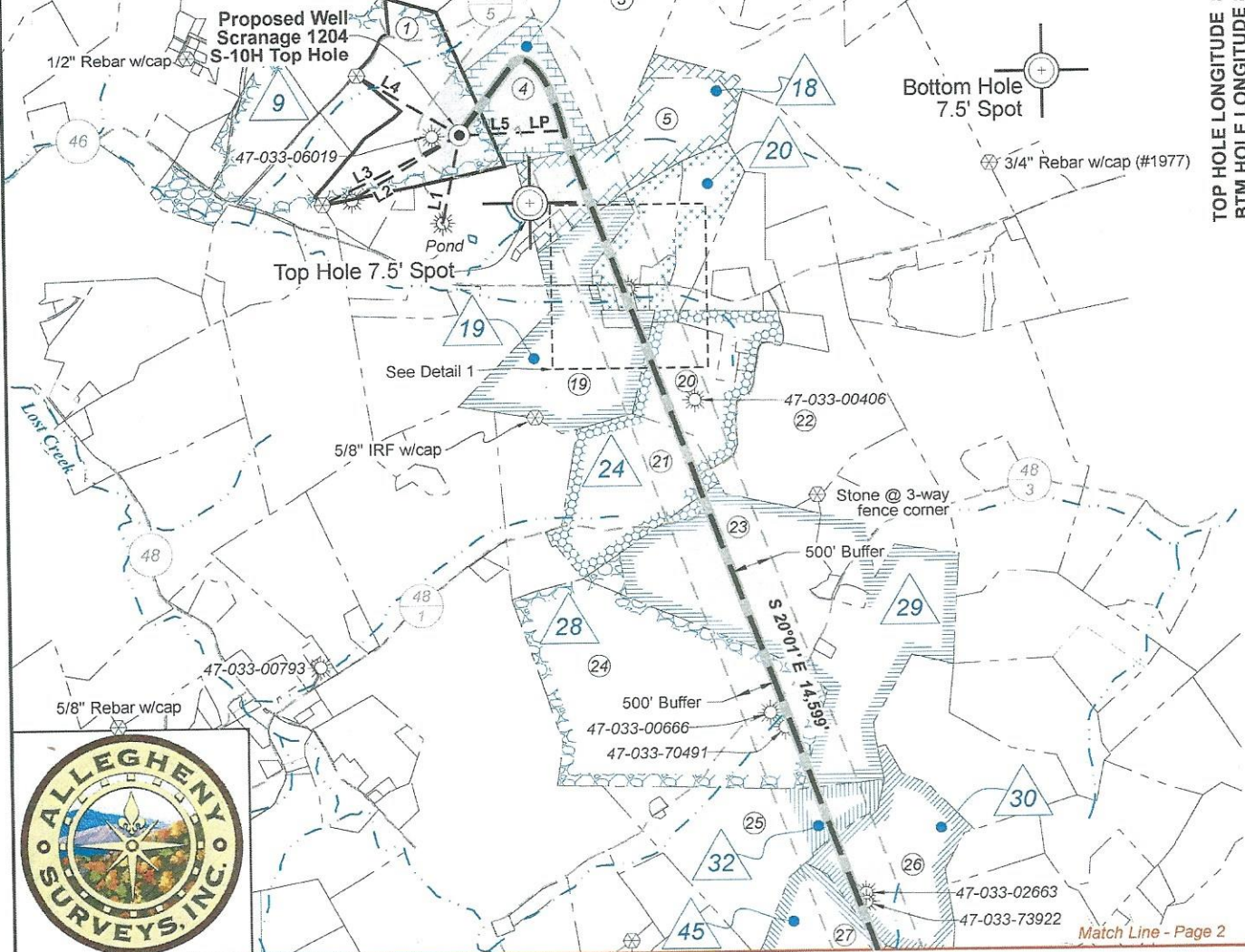
APR 03 2025

WV Department of
Environmental Protection

TOP LATITUDE 39 - 10 - 00
BTM LATITUDE 39 - 07 - 30

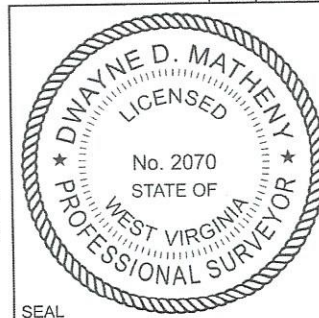
TOP HOLE LONGITUDE 80 - 17 - 30
BTM HOLE LONGITUDE 80 - 17 - 30

2,580' to Bottom Hole



Note: 3 water wells and 1 pond 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	N 11°19' E	1,071.7'	47-033-00327
L2	N 59°18' E	1,492.3'	47-033-00375
L3	N 63°26' E	1,824.1'	5/8" Rebar
L4	S 58°52' E	1,409.8'	5/8" Rebar w/ cap
L5	N 88°00' E	1,239.0'	Landing Point



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

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

FILE NO: 155-36-G-19
DRAWING NO: Scranage 1204 S-10H 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 11 20 25
OPERATOR'S WELL NO. Scranage 1204 S-10H
API WELL NO
47 - 033 - 06103
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 / Hackers Creek

SURFACE OWNER: David K. Scranage

ROYALTY OWNER: C.S. Gribble, 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 22,500' MD

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

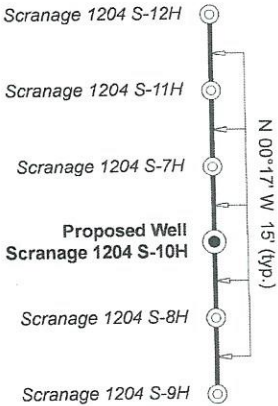
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

QUADRANGLE: Top: Mount Clare
Btm: Berlin
COUNTY: Harrison / Lewis
ACREAGE: 56.48
ACREAGE: 140

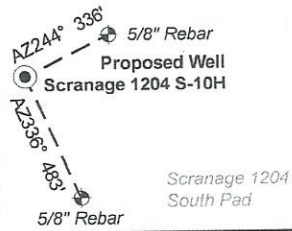
05/09/2025



Wellhead Layout (NTS)

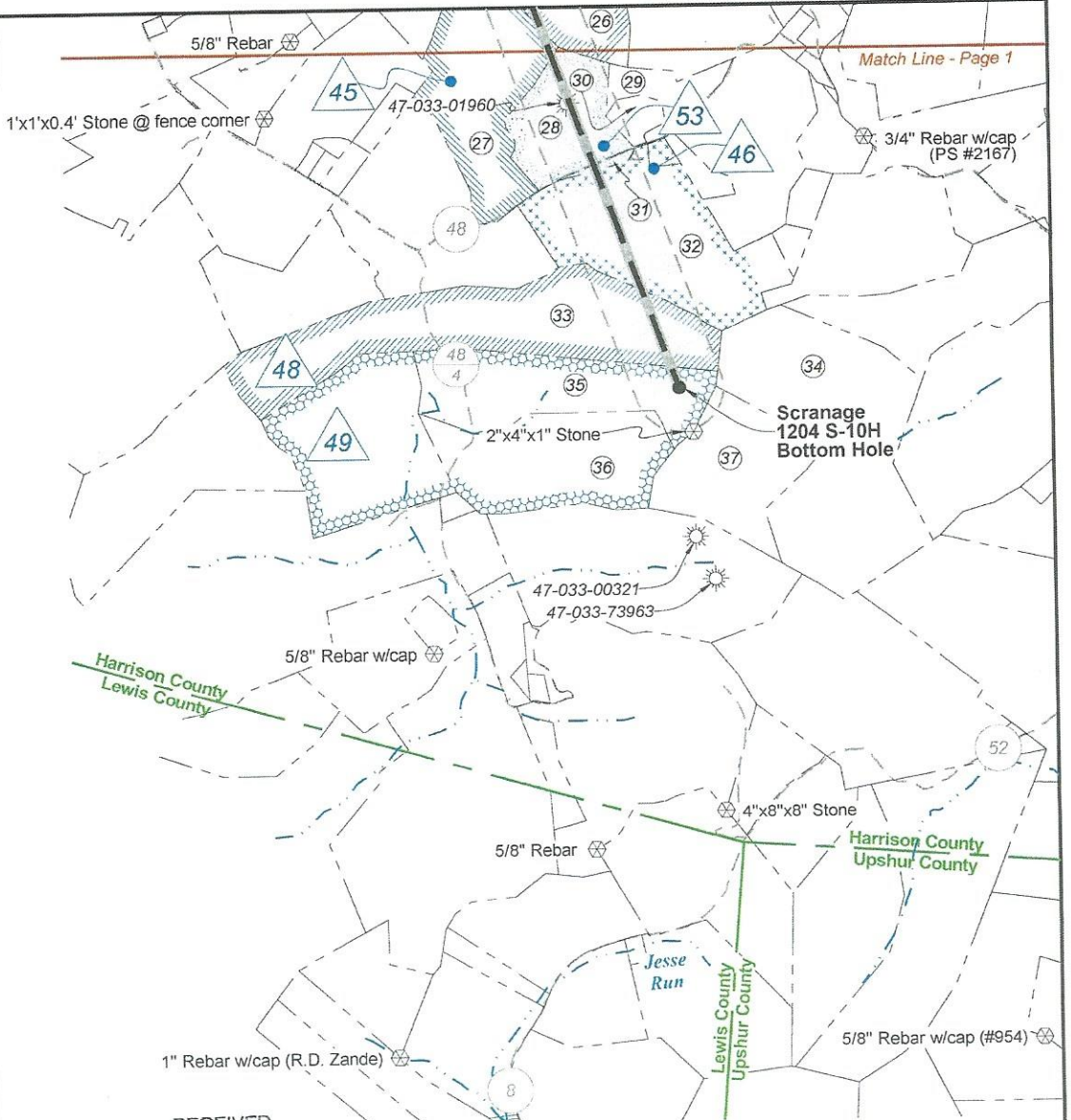


Well Location References
 Not to Scale



Legend

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



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 Environmental Protection

West Virginia Coordinate
 System of 1927, North Zone
 based upon Differential GPS
 Measurements.

Notes: Well No.
 Scrannage 1204 S-10H
 WVCS 1927, North Zone
 Top Hole Coordinates
 Lat: 39°09'20.11"
 Lon: 80°19'27.16"
 Landing Point Coordinates
 Lat: 39°09'20.45"
 Lon: 80°19'11.43"
 Bottom Hole Coordinates
 Lat: 39°07'04.49"
 Lon: 80°18'09.38"

UTM Zone 17, NAD 1983
 Plat orientation and corner and well references are based
 upon the grid north meridian. Well location references are
 based upon the magnetic meridian.

Notes: Well No.
 Scrannage 1204 S-10H
 UTM NAD 1983 (USF)
 Top Hole Coordinates
 N: 14,220,018.73'
 E: 1,832,037.25'
 Landing Point Coordinates
 N: 14,220,062.06'
 E: 1,833,275.47'
 Bottom Hole Coordinates
 N: 14,206,349.01'
 E: 1,838,267.04'

Notes: Well No.
 Scrannage 1204 S-10H
 UTM NAD 1983 (Meters)
 Top Hole Coordinates
 N: 4,334,270.377m
 E: 558,406.071m
 Landing Point Coordinates
 N: 4,334,283.584m
 E: 558,783.481m
 Bottom Hole Coordinates
 N: 4,330,103.838m
 E: 560,304.914m

FILE NO: 155-36-G-19

DRAWING NO: Scrannage 1204 S-10H 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 11 20 25

OPERATOR'S WELL NO. Scrannage 1204 S-10H

API WELL NO

47 — 033 — 06103
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

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

DISTRICT: Grant / Hackers Creek

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Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

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QUADRANGLE: Top: Mount Clare
 Btm: Berlin

COUNTY: Harrison / Lewis

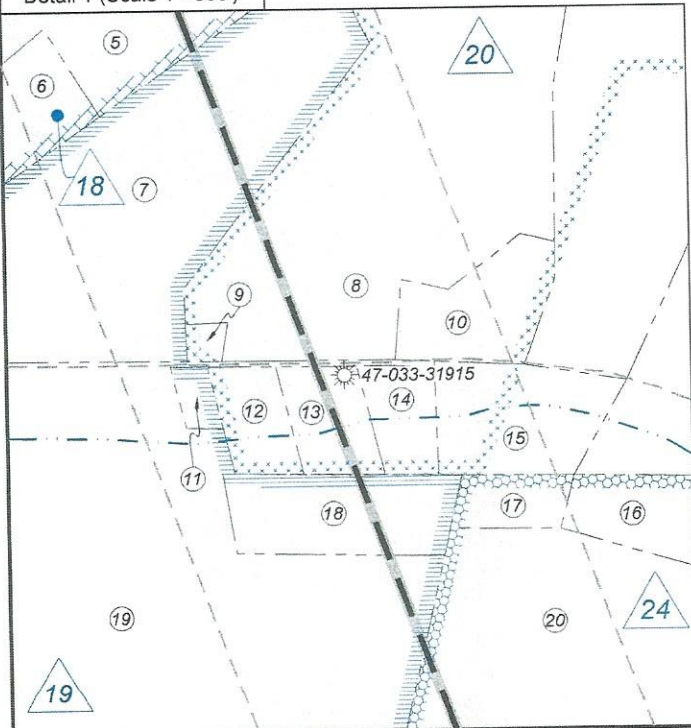
ACREAGE: 56.48
 05/09/2025



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Environmental Protection

ID	Lease
8	J.C. McWhorter, et ux, et al
9	C.S. Gribble
18	Carl J. White, et ux, et al
19	O.F. Peterson, et ux, et al
20	Rosa V. Dawson, et ux
24	Central Pittsburgh Coal Corporation
28	Russell D. Bishop, et al
29	E.H. & Rena R. Bond, his wife
30	Carson R. Fogg
32	Edison O. Law, et ux, et al
45	Ray Swisher, et al
46	Louis A. Blake, et ux
48	The Harrison County Bank
49	Carrie Blake, widow
53	Robert L. & Virginia G. Blake, his wife

Detail 1 (Scale 1"=500')



Harrison County				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 9	David K. Scrannage	1259 / 986	56.48
2	427 / 36	Louis J. & Robin L. Andy	1037 / 97	20.00
3	427 / 38	John R. & Francis K. Alsbrooks	1604 / 1046	73.00
4	427 / 37	John R. & Francis K. Alsbrooks	1604 / 1046	30.00
5	447 / 14	Troy A. Gorby	1437 / 868	49.20
6	447 / 14.1	Troy A. Gorby	1437 / 868	2.80
7	447 / 15	William G. Post	1494 / 556	14.16
8	447 / 18.2	Gary & Joanne Carr	1035 / 808	18.79
9	447 / 16	William G. Post	1040 / 29	0.25
10	447 / 18.3	Gary L. & Pamela J. Carr	1391 / 1289	2.57
11	447 / 17	Thomas L. McCormick	1509 / 364	2.57
12	447 / 19.2	Thomas L. & Jeannie D. McCormick	1251 / 599	1.27
13	447 / 19.1	Thomas L. & Jeannie D. McCormick	1106 / 10	1.72
14	447 / 19.3	Thomas L. & Jeannie D. McCormick	1135 / 196	1.27
15	447 / 19	Ronald R. & Jane C. Watson	1425 / 179	3.00
16	448 / 17.5	Richard L. McClain, et al	1481 / 323	10.02
17	448 / 17.4	Ronald R. & Jane C. Watson (LE), et al	1425 / 179	1.00
18	447 / 31.1	Thomas L. & Jeannie D. McCormick	1296 / 92	3.00
19	447 / 31	Theresa D. & Vincent J. Post, Jr.	1310 / 1241	48.34
20	448 / 17	Richard Nuzum	1754 / 1156	36.11
21	447 / 41	Richard Nuzum	1754 / 1156	51.15
22	448 / 18	Virgil L. & Pamela M. McNemar	1323 / 366	90.33
23	448 / 24	Richard E. Law	W204 / 81	153.71
24	467 / 28	Cheryl B. Cornwell	W135 / 269	112.50
25	468 / 10	Fred O. Law	W204 / 81	75.00
26	468 / 11	Nelson Fogg, et al	W209 / 589	61.05
27	468 / 21	Jean L. Shaver	W158 / 777	58.55
28	468 / 22	Jason Fogg	W209 / 589	31.45
29	468 / 23	John W. Pierson	1662 / 1114	12.60
30	468 / 23.1	John W. Pierson	1579 / 469	5.60
31	468 / 22.1	Tammy K. Lantz	1322 / 1114	1.42
32	468 / 31	Theresa R. Blake, et al	1624 / 462	77.50
33	468 / 66	Darlene M. Lapeer	1281 / 851	88.50
34	468 / 67	Barry E. & Karen J. McClain	1569 / 1291	57.07
35	488 / 1	Amy J. Dawson	1526 / 292	54.86
36	488 / 2	Amy J. Dawson	1526 / 292	60.00
37	488 / 3	George W. Dawson, et al	1418 / 331	44.75

FILE NO: 155-36-G-19
DRAWING NO: Scrannage 1204 S-10H Well Plat
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STATE OF WEST VIRGINIA
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OIL AND GAS DIVISION

DATE: March 11 20 25
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WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101

WW-6A1
(5/13)

Operator's Well No. Scranage 1204 S-10H

**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

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APR 03 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
Scrannage 1204 S-10H Lease Chain

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APR 03 2025
WV Department of
Environmental Protection

1204S-10H	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
/ 8	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
					CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS SUPPLY CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CONSOLIDATED GAS TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				CNG TRANSMISSION CORPORATION	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.		FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	692
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC		WVSOS	
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE		
					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
							121	152
				C. S. GRIBBLE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	204	402
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	903	179
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	1136	250
/ 9	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	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	51	795
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	58	362
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1543	1235
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1576	125
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1584	942
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	692
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC		WVSOS	
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE		
					HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.		THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				DOMINION ENERGY TRANSMISSION, INC.				

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18	LC066696	12-0447-0014-0000 12-0447-0014-0001	Q100878000	CARL J. WHITE AND MARY A. WHITE, HIS WIFE; ESTHER M. COCHRAN AND W. M. COCHRAN, HER HUSBAND; CLAUDE COCHRAN AND GERALDINE COCHRAN, HIS WIFE; CARL J. WHITE, GUARDIAN-TRUSTEE OF ESTHER M. COCHRAN BY WILL OF GEO. W. WHITE; EDNA G. LOGUE AND CHARLES F. LOGUE, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	777	400
				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	
						SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
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				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
				O. F. PETERSON AND VIRGINIA C. PATTERSON, HIS WIFE; R. W. SMITH AND LINA LEE SMITH, HIS WIFE; D. B. RANDOLPH AND OPAL RANDOLPH, HIS WIFE; LEE RANDOLPH, A WIDOWER; J. B. RANDOLPH AND MILDRED RANDOLPH, HIS WIFE; ZETHRA A. DAVISSON, A WIDOW; GRACE POWELL, A WIDOW; JUNIUS K. MUSSER AND CARRIE E. MUSSER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	776	282
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
19	LC066667	12-0447-0015-0000 12-0447-0016-0000 12-0447-0017-0000 12-0447-0031-0000 12-0447-0031-0001	Q100798000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
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				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	WVSOS	
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				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				ROSA V. DAWSON AND CALVIN O. DAWSON, HER HUSBAND	OLANDUS WEST	NOT LESS THAN 1/8	187	398
				OLANDUS WEST	THE GRASSELLI CHEMICAL COMPANY	ASSIGNMENT	187	263
				THE GRASSELLI CHEMICAL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	381	163

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 WV Department of Environmental Protection
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20	LC043730	p/o 12-0447-0018-0000 12-0447-0018-0002 p/o 12-0447-0019-0000 12-0447-0019-0001 12-0447-0019-0002 12-0447-0019-0003	Q101088000	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
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				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
24	LC066686	12-0447-0041-0000 12-0448-0017-0000 12-0448-0017 0001 12-0448-0017-0002 12-0448-0017-0003 12-0448-0017-0004 12-0448-0017-0005	Q100834000	CENTRAL PITTSBURGH COAL CORP, BY JOHN G. TIMBERLAKE, VICE-PRESIDENT AND TREASURER	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1020	569
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
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				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
28	LC080280	12-0467-0028-0000 12-0447-0042-0000	Q100719000	RUSSELL D. BISHOP AND OVAL G. BISHOP, HIS WIFE; AND DEVER T. BISHOP, SINGLE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	985	739
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1524	491
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	

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				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
29	LC022493	11-0448-0024-0000 11-0448-0024-0002 11-0448-0024-0003 p/o 11-0448-0024-0001	Q100955000	E. H. BOND AND RENA R. BOND, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	192	372
				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
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				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
				CARSON R. FOGG	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	1741	871
32	LC066806	p/o 12-0468-0010-0000	Q100838000	EDISON O. LAW AND BETSEY LAW, EACH IN HIS OWN RIGHT AND AS HUSBAND AND WIFE; STELLA PRINCE AND RUDOLPH L. PRINCE, HER HUSBAND; D. B. TALBOTT AND BERNICE C. TALBOTT, HIS WIFE; RUTH TALBOTT HAMSTEAD AND DAVID S. HAMSTEAD, HER HUSBAND; FRANCES TALBOTT GRIMM AND WILSON O. GRIMM, M. D., HER HUSBAND; WILLIAM E. TALBOTT, SINGLE; AND TRUMAN E. GORE AND EILEEN W. GORE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	781	22
				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
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				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
30	HGII02675	12-0468-0011-0000	HGII02675	EDISON O. LAW AND BETSEY LAW, EACH IN HIS OWN RIGHT AND AS HUSBAND AND WIFE; STELLA PRINCE AND RUDOLPH L. PRINCE, HER HUSBAND; D. B. TALBOTT AND BERNICE C. TALBOTT, HIS WIFE; RUTH TALBOTT HAMSTEAD AND DAVID S. HAMSTEAD, HER HUSBAND; FRANCES TALBOTT GRIMM AND WILSON O. GRIMM, M. D., HER HUSBAND; WILLIAM E. TALBOTT, SINGLE; AND TRUMAN E. GORE AND EILEEN W. GORE, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	781	22
				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
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				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
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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

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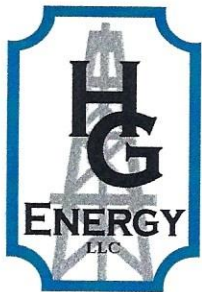
45	LC066827	12-0468-0021-0000	Q100839000	RAY SWISHER, SINGLE; I. WILSON SWISHER AND EDNA M. SWISHER, HIS WIFE; MARY S. BUSH AND EARLE BUSH, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	782	20
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
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				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
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				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
48	LC066662	12-0468-0066-0000	Q100832000	HARRISON COUNTY BANK	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	977	600
				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
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				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
46	LC066631	p/o 12-0468-0031-0000 12-0468-0031-0001	Q100960000	LOUIS A. BLAKE AND ELIZABETH DAWSON BLAKE, HIS WIFE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	916	2
				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

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48	LC066662	12-0468-0066-0000	Q100832000	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				HARRISON COUNTY BANK	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	977	600
				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
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				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	692
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
						THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
49	LC076697	12-0487-0007-0000 12-0488-0001-0000 12-0488-0002-0000	Q100949000	CARRIE BLAKE, WIDOW	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	933	332
				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
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				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1600	692
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1601	581
						THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC			
							1064	1052
53	ARC-49791	12-0468-0022-0000 12-0468-0022-0001	ARC-49791	ROBERT L. BLAKE AND VIRGINIA G. BLAKE, HIS WIFE	W. B. BERRY	NOT LESS THAN 1/8	1074	864
				WILLIAM B. BERRY (W. B. BERRY)	J & J ENTERPRISES INC	ASSIGNMENT	1074	868
				J & J ENTERPRISES INC	SAM JACK PARTNERSHIP NUMBER SEVEN	ASSIGNMENT	1342	1199
				SAM JACK LIMITED PARTNERSHIP NUMBER SEVEN	EASTERN AMERICAN ENERGY CORPORATION	ASSIGNMENT	59	879
				EASTERN AMERICAN ENERGY CORPORATION	ENERGY CORPORATION OF AMERICA	MERGER/NAME CHANGE	1441	1003
				EASTERN AMERICAN ENERGY CORPORATION	ENERGY CORPORATION OF AMERICA	CONFIRMATORY DEED	1495	314
				ENERGY CORPORATION OF AMERICA	ANTERO RESOURCES APPALACHIAN CORPORATION	ASSIGNMENT (Rhinestreet to Onondaga)	1524	620
				ENERGY CORPORATION OF AMERICA	ANTERO RESOURCES APPALACHIAN CORPORATION	ASSIGNMENT (Rhinestreet to Onondaga)	2	914
				ANTERO RESOURCES APPALACHIAN CORPORATION	ANTERO RESOURCES CORPORATION	MERGER/NAME CHANGE	1739	756
				ANTERO RESOURCES CORPORATION	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT		

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

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March 5, 2025

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

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Office of Oil and Gas
APR 03 2025
WV Department of
Environmental Protection

RE: Drilling Under Roads – Scrannage 1204 S-10H
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 Scrannage 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 Scrannage 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 or 304-420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

05/09/2025

WW-PN
(11-18-2015)

**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:** Scranage 1204 S-10H

Address: 5260 Dupont Road
Parkersburg, WV 26101

Business Conducted: Natural gas production.

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Location –

APR 03 2025

State:	<u>West Virginia</u>	County:	<u>Harrison</u>	WV Department of Environmental Protection
District:	<u>Grant</u>	Quadrangle:	<u>Mt Clare 7.5'</u>	
UTM Coordinate NAD83 Northing:	<u>4334270.4</u>			
UTM coordinate NAD83 Easting:	<u>558406.1</u>			
Watershed:	<u>Lost Creek</u>			

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: 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 57th 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.

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 57th 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

05/09/2025

APR 03 2025

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

WV Department of
Environmental Protection

Date of Notice Certification: 03/10/2025

API No. 47- _____
Operator's Well No. Scranage 1204 S-10H
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:	West Virginia	UTM NAD 83	Easting:	558406.1
County:	Harrison		Northing:	4334270.4
District:	Grant	Public Road Access:		Rices Run Road
Quadrangle:	Mount Clare	Generally used farm name:		Scranage
Watershed:	Lost Creek			

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.

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:

*PLEASE CHECK ALL THAT APPLY

- | | | |
|--|----|---|
| <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY | or | <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED |
| <input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY | or | <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED |
| <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 |
| | | <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) |
| <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION | | |
| <input checked="" type="checkbox"/> 5. PUBLIC NOTICE | | |
| <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION | | |

OOG OFFICE USE ONLY

- | |
|--|
| <input type="checkbox"/> RECEIVED/
NOT REQUIRED |
| <input type="checkbox"/> RECEIVED |
| <input type="checkbox"/> RECEIVED/
NOT REQUIRED |
| <input type="checkbox"/> RECEIVED |
| <input type="checkbox"/> RECEIVED |
| <input type="checkbox"/> RECEIVED |

Required Attachments:

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

05/09/2025

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

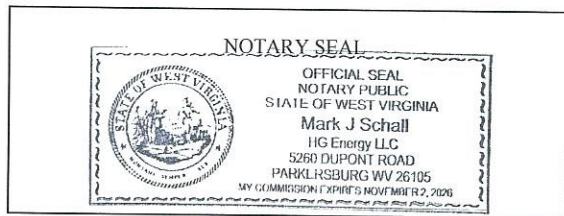
Telephone: 304-420-1119

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.

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Office of Oil and Gas
APR 03 2025
WV Department of
Environmental Protection

05/09/2025

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.

RECEIVED
Office of Oil and Gas

APR 03 2025

WV Department of
Environmental Protection

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 Scranage (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

05/09/2025

APR 03 2025

4703306103
API NO. 47-
OPERATOR WELL NO. Scrannage 1204 N-1H to S-12H
Well Pad Name: Scrannage 1204

Notice is hereby given:

WV Department of
Environmental Protection

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 water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the 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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4703306103
API NO. 47-
OPERATOR WELL NO. Scraper 1204 N-1H to S-12H
Well Pad Name: Scraper 1204

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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.**

05/09/2025

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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WV Department of
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05/09/2025

WW-6A
(8-13)

API NO. 47- **4703306103**
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

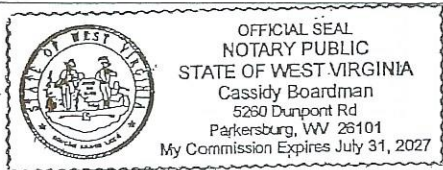
Address: 5260 Dupont Road

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 deprivacyofficer@wv.gov.



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 03 2025

WV Department of
Environmental Protection

05/09/2025

4703306103

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 Scrannage (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

RECEIVED
Office of Oil and Gas

APR 03 2025

WV Department of
Environmental Protection

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: Scrannage

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 57th 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.

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

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.

05/09/2025

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

RECEIVED
Office of Oil and Gas

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

☐ HAND
DELIVERY

☒ CERTIFIED MAIL
RETURN RECEIPT REQUESTED

APR 03 2025

WV Department of
Environmental Protection

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: _____

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:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>558306.8</u>
County:	<u>Harrison</u>	Northing:	<u>4334265.4</u>
District:	<u>Grant</u>	Public Road Access:	<u>Rice Run Road @ SR 46</u>
Quadrangle:	<u>Mt. Clare WV 7.5'</u>	Generally used farm name:	<u>David Scranage</u>
Watershed:	<u>Lost Creek</u>		

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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting 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.

05/09/2025

WW-6A5
(1/12)

4703306103
Operator Well No. Scrannage 1204 N-1H to S-10H

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

RECEIVED
Office of Oil and Gas

APR 03 2025

WV Department of
Environmental Protection

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 Scrannage
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	UTM NAD 83	Easting:	558306.8
County:	Harrison		Northing:	4334265.4
District:	Grant	Public Road Access:	Rice Run Road @ SR 46	
Quadrangle:	Mt. Clare WV 7.5'	Generally used farm name:	David Scrannage	
Watershed:	Lost Creek			

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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting 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

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.

05/09/2025



4703306103

**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 57th Street, SE
Charleston, WV 25304

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WV Department of
Environmental Protection

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
Scranage 1204 N-4H Scrannage 1204 N-5H Scrannage 1204 N-6H
Scranage 1204 S-7H Scrannage 1204 S-8H Scrannage 1204 S-9H
Scranage 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

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

05/09/2025

4703306103

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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Office of Oil and Gas

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WV Department of
Environmental Protection

05/09/2025

OPERATOR: HG Energy II Appalachia, LLC WELL NO: Scranage 1204 S-10H

PAD NAME: Scranage 1204

REVIEWED BY: Diane White SIGNATURE: Diane White

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

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Office of Oil and Gas

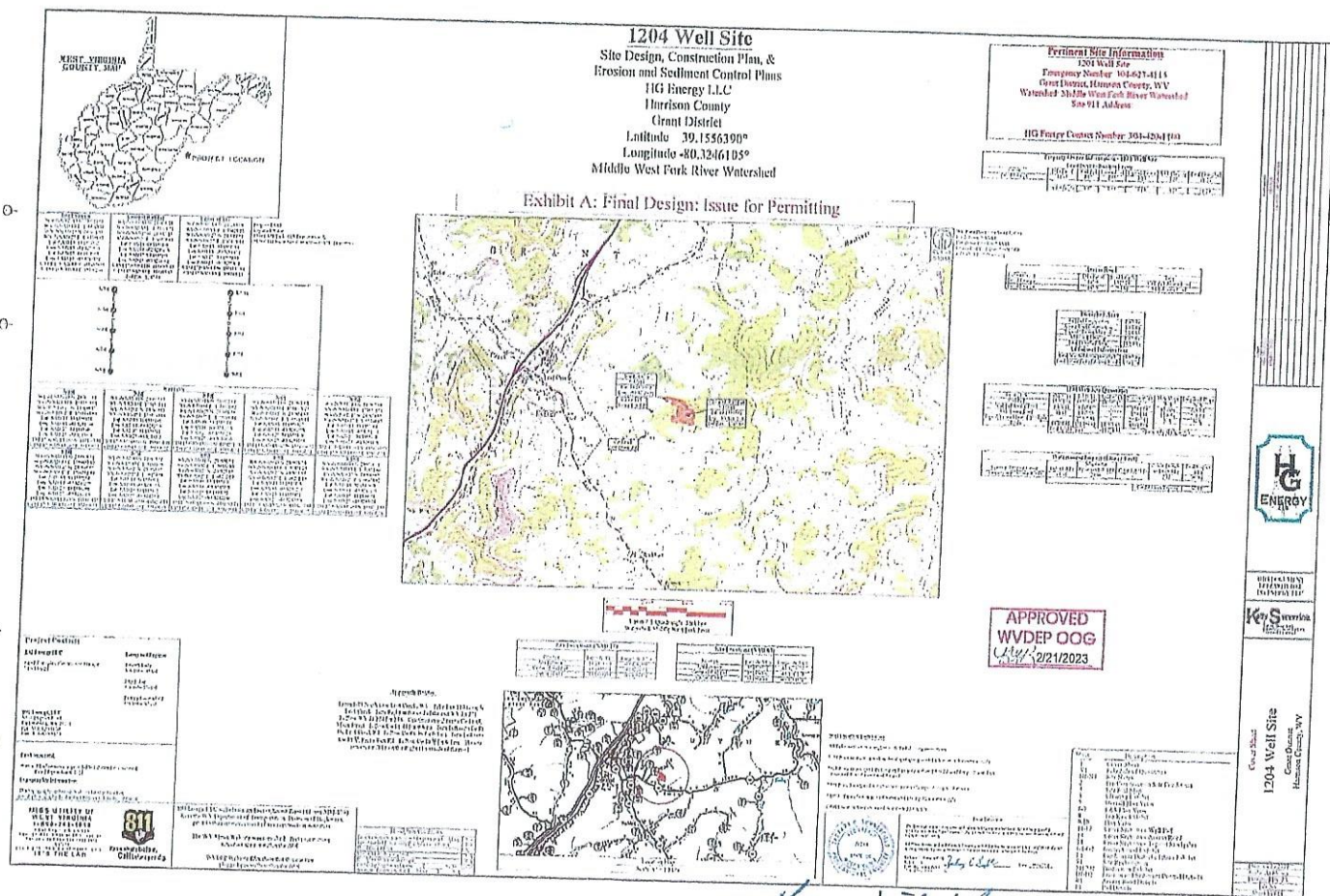
APR 03 2025

WV Department of
Environmental Protection

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

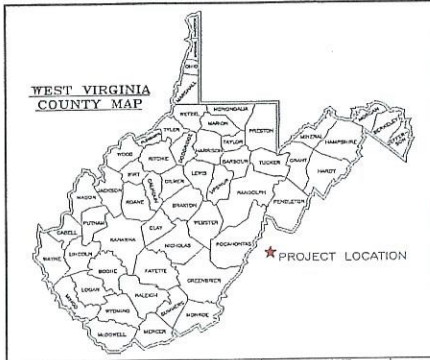
05/09/2025



Ky Willett 3/13/25

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 WV Department of
 Environmental Protection
 APR 03 2025



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

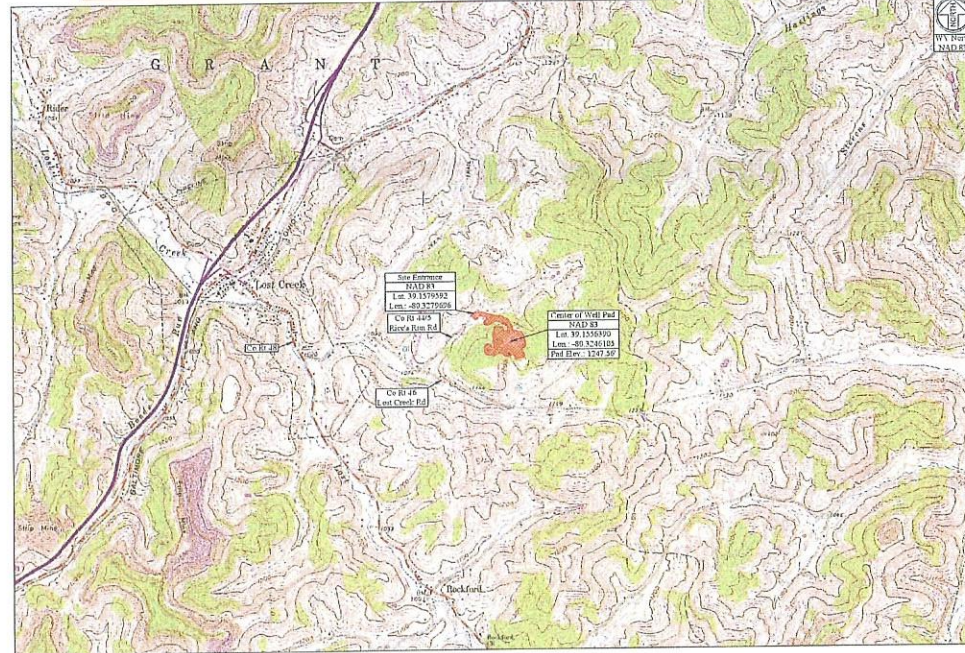
Pertinent Site Information
1204 Well Site
Emergency Number: 304-623-4115
Grant District, Harrison County, WV
Watershed: Middle West Fork River Watershed
Site 911 Address:

HG Energy Contact Number: 304-420-1100

Property Owner Information - 1204 Well Site						
Grant District - Harrison County						
Owner	Trl - Parcel	Well Pad	Access Road	Topsoil/Access	Auto. Cleanse	Total Disturbed
David Linnage	44.9	8.67	1.99	2.16	8.27	21.29
Site Totals (Ac)						
	8.87	1.99	2.16	8.27	21.29	

Exhibit A: Final Design: Issue for Permitting

Site Entrance	Center of Well Pad	Center of ASL	Proposed ASL
WV-NAD 83 E 24022.03 WV-NAD 83 E 17345.09 WV-NAD 27 N 24091.60 WV-NAD 27 E 17615.82 Lat NAD 83: 39.155639 Lon NAD 83: -80.324610 UTM 17 NAD 83 E: 434520.18 UTM 17 NAD 83 E: 558281.19	WV-NAD 83 E 24022.03 WV-NAD 83 E 17345.09 WV-NAD 27 N 24091.60 WV-NAD 27 E 17615.82 Lat NAD 83: 39.155639 Lon NAD 83: -80.324610 UTM 17 NAD 83 E: 434520.18 UTM 17 NAD 83 E: 558281.19	WV-NAD 83 E 24022.03 WV-NAD 83 E 17345.09 WV-NAD 27 N 24091.60 WV-NAD 27 E 17615.82 Lat NAD 83: 39.155639 Lon NAD 83: -80.324610 UTM 17 NAD 83 E: 434520.18 UTM 17 NAD 83 E: 558281.19	Proposed ASL: 22,000 bbl Tank (11' Diameter) with 20,000 bbl Secondary Containment (12' Diameter)



WV State Plane Coordinate System
North Zone, NAD 83
Elevations based on NAVD83
Established by Survey Grade GPS
and OPUS Post-Processing

Access Road			
Surface Owner	Trl - Parcel	Well Pad	Type
David Linnage	44.9	8.67	Well Pad Access Road
David Linnage	11.04	26.434	ASL Access Road

Disturbed Area	
Well Pad Construction	1.99 Ac
Access Road Construction	2.16 Ac
Topsoil/Access Material	2.16 Ac
Additional Cleanup	8.27 Ac
Total Disturbed Area	21.29 Ac
Additional Information	
Total Linear Feet of Access Road	1,791'-8"

1204 Well Site Quantities						
Itemization	Unit	Quantity	Unit	Quantity	Unit	Quantity
Well Pad Construction	Sq Yd	1,791.56	Sq Yd	1,791.56	Sq Yd	1,791.56
Access Road Construction	Sq Yd	2,160.00	Sq Yd	2,160.00	Sq Yd	2,160.00
Topsoil/Access Material	Sq Yd	2,160.00	Sq Yd	2,160.00	Sq Yd	2,160.00
Additional Cleanup	Sq Yd	8,270.00	Sq Yd	8,270.00	Sq Yd	8,270.00
Total	Sq Yd	12,381.56	Sq Yd	12,381.56	Sq Yd	12,381.56

Watercourse Impact (Linear Feet)				
Stream and Impact Cause	Channel (LF)	Structure (LF)	Shoreline (LF)	Total Impact (LF)
Watercourse 8 Access Road	66.00	20.00	2.00	88.00
Total Stream Impacts				88.00

Project Contacts

HG Energy LLC
Jared Stemple - Construction Manager
206.566.477

Survey and Engineer
Kathleen Kelly
304.538.4953 CIT
John P. See
304.412.6220 CIT
Zachary Summerville
304.738.4997 CIT

Environmental:
Wetland and Delinquent as provided by Palatka Environmental dated September 6, 2022

Topographic Information:
The topographic information shown 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 Law
Section 20-2-1, Chapter 20-2-1 requires
that you call the Bureau days
before
you dig in the state of West Virginia.
IT'S THE LAW
Know what's below.
Call before you dig.

HG Energy LLC will obtain an Encroachment Permit (Form MM-109) from the WV Department of Transportation, Division of Highways, prior to the commencement of any construction activities

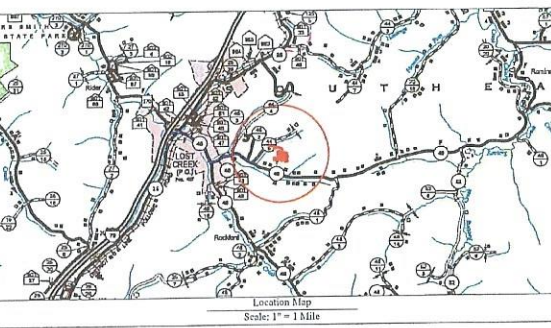
The WV Mines Website was consulted. Previous mining activities are not within the AOI.

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

Approach Routes:
From I-79 North near Lost Creek, WV. Take Exit 110 towards Lost Creek. Turn Right at the end of the exit WV Rt 270. Follow WV Rt 270 for 2.36. Continue straight onto Co Rt 48. Main Street. Follow Co Rt 48 for 0.6 mi. Turn Left onto Co Rt 48. Lost Creek Rd. Follow Co Rt 48 for 0.7 mi. Turn Left onto Co Rt 48. Rice's Run Rd. Follow Co Rt 48 for 0.4 mi. The site entrance will be on the Right (East) side of the road.

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

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



Well Location Restrictions
All Pad construction complies with the following restrictions:
*25' from an existing well or developed spring used for human or domestic animals
*25' from an occupied dwelling or home greater than 2,500 SF used for poultry or dairy
*25' from the edge of a ditch or a naturally reproducing stream
*1,000' of a surface or ground water under a public water supply.
(Well Location Restrictions of WV Code 22-6A-12)

Design Certification:
The drawings, construction notes and reference documents attached hereto have been prepared by a duly licensed Professional Engineer in the State of West Virginia, Division of Environmental Protection, Office of Oil and Gas 173224
All Holes, Shales, and Reference Documents included herein are in accordance with the design.
Zachary P. Summerville
CIT 2214
Harrison County, WV
CIT 2214

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
6-7	E&S Plan View
8	Top Key Exhibit
9-10	Plan View
11-12	Cross Sections - Well Pad
13	Cross Sections - Access Road
14	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

Office of Oil and Gas
APR 03 2025
WV Department of Environmental Protection
1204 Well Site
Grant District
Harrison County, WV
Date: 08/29/2022
Scale: As Shown
Designed By: ZS
File No.
Sheet 1 of 14

4703306103

Steve Rogers
Tel: 447-13
DB/500410338



Kelly Surveying
P.O. Box 234
Dolley, WV 26239
304-338-6985

Site Plan

1204 Well Site

Site Plan
1204 Well Site
Grant District
Harrison County, WV

Date: 08/29/2022
Scale: As Shown
Designed By: ZS
File No.
Sheet 10 of 14

