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west virginia department of environmental protection

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

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

Friday, December 9, 2022  
WELL WORK PERMIT  
Vertical / Re-Work

LEWIS CAMDEN, LLC  
PO BOX 470

BRIDGEPORT, WV 26330

Re: Permit approval for 911141 LAW SWD 1  
47-041-03175-00-00

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:  
Farm Name: LAW, JOHN & BERNADETTE  
U.S. WELL NUMBER: 47-041-03175-00-00  
Vertical Re-Work  
Date Issued: 12/9/2022

Promoting a healthy environment.

12/09/2022

# PERMIT CONDITIONS

4704103175 W

West Virginia Code § 22-6-11 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

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1. 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 § 22-6-20, 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 fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Officer of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov) within 30 days of commencement of drilling.

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**PERMIT CONDITIONS (CONTINUED)**

9. The proposed Step-Rate test must be conducted in accordance with the EPA Region VIII procedure. The Office of Oil and Gas inspector will be notified to witness the test.



4704103175W

CK# 666640  
Amt \$550  
Date 10/19/22

- 1) API Well No. 47-041-03175
- 2) UIC Permit No. 2D0413175
- 3) Operator's Well No. LAW 911141
- 4) Date: 09/07/2022

**STATE OF WEST VIRGINIA  
NOTICE OF UIC WELL WORK PERMIT FOR THE DEPARTMENT OF  
ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**

- 5) WELL TYPE: Liquid Injection  Gas Injection (not storage)  Solution Mining Injection   
Solution Mining Production  Waste Disposal  Mud Disposal
- 6) LOCATION: County: Lewis District: Freemans Creek Quadrangle: Camden 7.5'  
Watershed: Leading Creek Elevation: 1198'
- 7) WELL OPERATOR: Lewis Camden LLC 8) DESIGNATED AGENT S. Michael Shaver  
Address PO Box 470 Address PO Box 470  
Bridgeport, WV 26330 Bridgeport, WV 26330
- 9) OIL & GAS INSPECTOR TO BE NOTIFIED 10) DRILLING CONTRACTOR  
Name Sam Ward Name N/A  
Address PO Box 2327 Address \_\_\_\_\_  
Buckhannon, WV 26201
- 11) PROPOSED WELL WORK: Drill  Drill Deeper  Redrill  Stimulate  Convert   
Plug off old formation  Perforate new formation   
Other physical change in well (specify) Squeeze BIG INJUN & WEIR Perfs
- 12) GEOLOGIC TARGET FORMATION BIG INJUN, WEIR Depth 1,753 Feet (top) to 1,849 Feet (bottom)
- 13) Estimated Depth of Completed Well, (or actual depth of existing well well): 2,560 Feet
- 14) Approximate water strata depths: Fresh Less than 100 Feet Salt N/A Feet
- 15) Approximate coal seam depths: 32'-35', 105'-200'
- 16) Is coal being mined in the area? Yes - No
- 17) Virgin reservoir pressure in target formation 1,100 psig Source Field Estimates
- 18) Estimated reservoir fracture pressure 3,100 psig (BHFP)
- 19) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour 30 Bottom hole pressure 1,861
- 20) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES \_\_\_\_\_  
Production water and/or brine
- 21) FILTERS(if applicable) 50 Micron sock, 25 Micron and 10 Micron Cartridge
- 22) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL  
None

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**23) CASING AND TUBING PROGRAM**

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE		CEMENT FILL -UP OR SACKS (CU. FT.)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left In Well		
Conductor	11-3/4'	LS	42		x	29'	29'	None	Kinds
Fresh Water	8-5/8"	J-55	23	x		833'	833'	CTS	Baker R-3
Coal									Sizes
Intermediate									2-3/8"x4-1/2"
Production	4-1/2"	J-55	10.5	x		2,633'	2,633'	To 1,350'	Depths set
Tubing	2-3/8"	J-55	6.4	x		2,406'	2,406'	N/A	2,230 ft
Liners									Perforations
									Top Bottom

24) APPLICANT'S OPERATING RIGHTS were acquired from John T. Law & Bernadette H. Law by deed \_\_\_\_\_ / lease \_\_\_\_\_ / other contract Unrecorded Surface Agmt / dated 9/21/1995 of record in the Lewis County Clerk's office in \_\_\_\_\_ Book \_\_\_\_\_ Page \_\_\_\_\_

**Samuel D. Ward II** Digitally signed by Samuel D. Ward II  
Date: 2022.10.19 14:34:49 -04'00'

SEE ATTACHED CHAIN OF OWNERSHIP

**12/09/2022**

4704103175W



ATTACHMENT

McLaughlin, Jeffrey W <jeffrey.w.mclaughlin@wv.gov>

**Chain of ownership for the Law Disposal Well**

1 message

John Riley <rileypar@yahoo.com>

Fri, Dec 9, 2022 at 3:02 PM

Reply-To: John Riley <rileypar@yahoo.com>

To: "genecsmith17@gmail.com" <genecsmith17@gmail.com>, "Charles.T.Brewer@wv.gov" <Charles.T.Brewer@wv.gov>, "Jeffrey.W.McLaughlin@wv.gov" <Jeffrey.W.McLaughlin@wv.gov>

Cc: "hackett@mountainvoilandgas.com" <hackett@mountainvoilandgas.com>, "smshaver@mountainvoilandgas.com" <smshaver@mountainvoilandgas.com>

Here is the chain or ownership that was requested.

Thank you,  
John Riley

LEWIS COUNTY

Hawg Hauling & Disposal, LLC  
to  
Chesapeake Appalachia, LLC  
January 31, 2008, DB 100/Pg 519

Chesapeake Appalachia LLC  
to  
SWN Production Company, LLC  
July 1, 2014, DB 684/Pg 333

SWN Production Company, LLC  
to  
Mountain V, LLC  
January 1, 2016, DB 713/Pg 319

Mountain V, LLC  
to  
Lewis Camden LLC  
September, 7 2016 DB 792/Pg 601

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LAW D WELL 91141

LEWIS COUNTY, WY  
SEP

SEPT 19 2022

AGREEMENT

THIS AGREEMENT, made this 21st day of September, 1995, by and between John T. Law and Bernadette H. Law, each in their own right and as husband and wife, parties of the first part, hereinafter referred to as "Surface Owners", and HAWG HAULING & DISPOSAL, INC., a West Virginia corporation, party of the second part, hereinafter referred to as "HAWG".

WITNESSETH: That for and in consideration of the mutual covenants hereinafter set forth to be kept and performed by each of the parties hereto and for the further consideration of the payments hereafter reserved to the Surface Owners and to be paid by HAWG, the Surface Owners do hereby grant, demise, lease and let unto HAWG, its successors and assigns, the right to use the surface of the property hereinafter described, together with rights of ingress and egress to and from the same, for the purpose of converting, reconverting, operating and maintaining a well thereon, drilled by Alarco, Inc. under State of West Virginia oil and gas permit number 47-041-3175 and being further described and set forth on Exhibit "A" attached hereto and made a part hereof, (the "Well") for the injection and disposal of water, brine and other fluids attributable to or resulting from the production of oil and/or gas (collectively the "Fluids") into the subsurface strata, together with the right and easement to construct, operate, repair, maintain and remove pipelines, equipment, tanks, machinery, fixtures, roadways and other improvements and appurtenances thereon necessary or convenient to save, take care of, treat, store, transport (by HAWG or its authorized agents or invitees), and dispose of the Fluids, said rights to be upon a portion of that certain tract or parcel of land situate in Freemans Creek District, Lewis County, West Virginia, containing 129.08 acres, more or less, (the "Premises"), being the same property conveyed unto the Surface Owners by S. M. Nutter and Amy C. Nutter, his wife, by Deed dated November 25, 1949, of record in the office of the Clerk of the County Commission of Lewis County, West Virginia, in Deed Book No. 204, page 449, it being understood and agreed that HAWG's operations upon the Premises, excluding roadways for ingress and egress to the Well, shall be confined to an area encompassing the Well as is reasonable and practicable for such operations, intending to disturb as little of the Premises as possible, the exact area to be designated by HAWG.

This Agreement is made upon and subject to the following terms, conditions, covenants and agreements:

- 1. Term. The term of this Agreement is for ten (10) years from the date hereof and as long thereafter as said portion of the

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Premises is operated by HAWG for the injection and disposal of the Fluids.

2. Payments. HAWG shall pay to the Surface Owners at the address set forth in paragraph 10 for the rights herein granted the sum of Six Thousand Dollars (\$6,000.00) per year, payable in advance, beginning on the date hereof and annually thereafter through the remainder of the term of this Agreement.

3. Compliance With Laws and Regulations; Indemnification. HAWG shall comply with all laws and governmental regulations with respect to the Premises or HAWG's use thereof and will indemnify and hold the Surface Owners harmless from and against any and all losses, damages, liabilities, claims, causes of action, expenses and costs arising out of or in any way connected with HAWG's use of the Premises, including, but not limited to, legal and court expenses, expenses for licenses, permits, surveys, approvals, applications, reports, filings, insurance bondings and inspections, and expenses associated with any environmental claim including water contamination.

4. Surrender. Upon the payment by HAWG to the Surface Owners of the sum of One Dollar (\$1.00) and all amounts then due hereunder, HAWG shall have the right at any time to surrender and terminate this Agreement, and thereupon shall be released and discharged from all payments, obligations, covenants and conditions herein contained and this Agreement shall be null and void; provided, however, that HAWG shall not be entitled to any proportional refund of unearned rent previously paid by HAWG to the Surface Owners. Upon such surrender, HAWG shall execute, acknowledge and record in the office of the Clerk of the County Commission of Lewis County, West Virginia, a formal Surrender evidencing the termination of this Agreement.

5. Removal of Equipment; Reclamation. Upon the termination or surrender of this Agreement, HAWG shall, in its sole and absolute discretion insofar as it has the legal right, either reconvert the Well so as to place it in a condition capable of producing oil and/or gas or remove all equipment, tanks, machinery, fixtures and facilities installed upon that portion of the Premises used by HAWG in connection with its operations hereunder and plug and abandon the Well and reclaim said portion of the Premises in accordance with all state and federal laws and regulations. The parties hereto agree that upon said termination or surrender of this Agreement and, in the event HAWG does not elect to reconvert the Well, the Surface Owners or their respective heirs devisees, personal representatives, successors and assigns shall elect to (i) require HAWG or its successors and assigns to reclaim any and all roads constructed on the Premises by HAWG; (ii) require that HAWG, upon plugging and abandoning the Well and upon the removal of all

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said equipment, tanks, machinery, fixtures and facilities installed on the Premises, restore any and all roads so constructed on the Premises by HAWG to a condition consistent with that during HAWG's operation thereof and all rights thereto shall then revert to the Surface Owners. In the event the Surface Owners elect to take possession of said roads, HAWG and its successors and assigns shall be relieved from any and all future maintenance, upkeep, responsibility or liability resulting from the Surface Owners use of said roads.

6. Inspection. The Surface Owners shall have the right, at all reasonable times and upon prior notice to HAWG, to inspect that portion of the Premises used by HAWG in connection with its operations hereunder.

7. Fences. HAWG shall promptly repair or replace all existing fences on the Premises which are damaged or removed by HAWG in connection with its operations hereunder. HAWG shall also install, maintain, repair, replace and remove a fence (with gates as HAWG deems necessary or appropriate) around its operations on the Premises for the protection of domestic livestock on the Premises.

8. Default. In the event HAWG fails to pay any annual installment of rent or if HAWG shall fail to perform any of the other terms, covenants and conditions herein to be kept and performed by HAWG, in either case within thirty (30) days after receiving written notice, in compliance with paragraph 10 herein, by the Surface Owners to HAWG, then and in such event, the Surface Owners may declare this Agreement terminated and thereupon evict HAWG from the Premises. Upon such eviction, HAWG shall, in accordance with paragraph 5 above, either reconvert the Well or remove all equipment, tanks, machinery, fixtures and facilities, plug and abandon the Well and reclaim said portion of the Premises.

9. Quiet Possession. The Surface Owners hereby covenant and warrant to HAWG that they are the true and lawful owners of the Premises and have good right and full power to enter into this Agreement. Contingent upon HAWG's compliance with all of the terms, covenants and conditions of this Agreement, HAWG shall quietly and peaceably hold, possess and enjoy the rights granted hereunder in the Premises for the full term of this Agreement and the Surface Owners will defend the title to the Premises and the right of HAWG to use the same against the claims of all persons whomsoever, except those claiming by or through HAWG.

10. Notices; Time. Any notice under this Agreement shall be in writing and shall be sufficiently given or served if delivered in person or if sent by registered or certified mail to the Surface Owners



or HAWG, as the case may be, at their following addresses, which shall prevail until written notice of change is given:

Surface Owners: John T. Law and  
Bernadette H. Law  
Route #2; Box 5  
Camden, WV 26338

HAWG: HAWG Hauling & Disposal, Inc.  
Route 1, Box 84A  
Buckhannon, WV 26201  
Attention: Richard R. Hoffman, President

Time shall be computed from or to the delivery in person or the mailing of a notice, as the case may be. Time shall be computed by excluding the first day and including the last; and if the last day is a Saturday, a Sunday or a legal holiday, it shall also be excluded.

11. Governing Law. This Agreement shall be construed in accordance with and be governed in all respects by the laws of the State of West Virginia.

12. Savings Clause. This Agreement is subject to all applicable federal and state laws, rules, regulations, decrees and orders, and in the event that this Agreement or any of its provisions or any of the operations contemplated hereunder are found to be inconsistent with or contrary to any such law, rule, regulation, decree or order, the latter shall be deemed to control and this Agreement shall be regarded as modified accordingly and as so modified, shall continue in full force and effect.

13. Entire Agreement. This Agreement contains the entire agreement of the parties and may not be changed, modified or supplemented, orally or in any manner other than by agreement in writing signed by the parties hereto or their respective successors in interest.

14. Successors, Heirs and Assigns. This Agreement shall be binding upon and inure to the benefit of the Surface Owners and HAWG and their respective heirs, devisees, personal representatives, successors and assigns.

IN WITNESS WHEREOF, the Surface Owners and HAWG have caused this Agreement to be executed as of the day and year first above written.

Social Security No.:

SURFACE OWNERS:

234-32-1439

John T. Law (SEAL)  
John T. Law

32-32-6000

Bernadette H. Law (SEAL)  
Bernadette H. Law

[CORPORATE SEAL]  
ATTEST:  
[Signature]  
Its Corp. Sec.

HAWG:

HAWG HAULING & DISPOSAL, INC.

By: [Signature]  
Its President.

STATE OF WEST VIRGINIA )  
COUNTY OF LEWIS )

TO-WIT:

The foregoing instrument was acknowledged before me this 21st day of September, 1995, by John T. Law and Bernadette H. Law, each in their own right and as husband and wife.

[NOTARIAL SEAL]  
NOTARY COMMISSIONER  
WEST VIRGINIA  
MARSHALL COUNTY

[Signature]  
NOTARY COMMISSIONER

My commission expires: 2-15-2000

4704103175W

STATE OF WEST VIRGINIA )  
COUNTY OF HARRISON ) TO-WIT:

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of September, 1995, by Richard M. Johnson, President of HAWG HAULING & DISPOSAL, INC., a West Virginia corporation, on behalf of the corporation.

M. J. [Signature]  
Notary Commissioner

(NOTARIAL SEAL)



My commission expires: 2-15-2000

This instrument was prepared by:

HAWG HAULING & DISPOSAL, INC.  
Route 1, Box 84A  
Buckhannon, WV 26201

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## 11) PROPOSED WELL WORK

Squeeze procedure for 911141 (Law Disposal Well)

- 1) Pull existing tubing and packer from the well.
- 2) Set a cast iron bridge plug at 1875'.
- 3) Set a cement retainer at 1740'.
- 4) Run in hole with tubing to the top of the cement retainer.
- 5) Break circulation with fresh water.
- 6) Stab into cement retainer with tubing.
- 7) Pump fresh water to establish ability to pump into perms.
- 8) Pump 10 barrels of Class A cement down tubing to squeeze off the 40 perforations from 1753' – 1849'. (Big Injun 12 perms from 1753'-1759' , Weir 28 perms from 1787'-1849').
- 9) Pump 90% of tubing capacity of fresh water to displace the cement out of the tubing and into perforations.
- 10) Pull the tubing out of the cement retainer and reverse circulate 1.5 times tubing capacity to clear out any residual cement left in the tubing.
- 11) Pull tubing from the well.
- 12) Wait 72 hours on the cement.
- 13) Rig up tubing, bit and power swivel and run in the hole to the top of the cement retainer and drill out the retainer and cement down to 1870'.
- 14) Pressure test the effectiveness of the squeeze job by pressuring up on the tubing and the casing to 1000 psi and hold for 30 minutes.
- 15) After a successful pressure test, drill out the remaining cement and cast-iron bridge plug.
- 16) Clean up the hole and remove the tubing/drill string.
- 17) Run in the hole with tubing and packer and set the packer at approximately 2230' to prepare for a mechanical integrity test.
- 18) Pressure up on the tubing casing annulus to 1000 psi and hold for 30 minutes.

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State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: LAW, JOHN & BERNADETTE

Operator Well No.: 1141

LOCATION: Elevation: 1198

Quadrangle: CAMDEN 7.5'

District: FREEMANS CREEK

County: LEWIS

Latitude: 10175 Feet South of 80 Deg. 32 Min. 30 Sec.

Longitude: 11400 Feet West of 39 Deg. 05 Min. 00 Sec.

Company: HAWG HAULING & DISPOSAL, INC.  
RT 1, BOX 84-A  
BUCKHANNON, WV 26201-0000

Agent: MARK HACKETT

Inspector: RANDAL MICK

Permit Issued: / /

Well work Commenced: 06/30/97

Well work Completed: 06/30/97

Verbal Plugging

Permission granted on: \_\_\_\_\_

Rotary Cable Rig

Total Depth (feet) 2631

Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)? \_\_\_\_\_

Coal Depths (ft): \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	29	29	NA
8 5/8	833.81	833.81	To Surface
4 1/2		2633	w/260 sx to 1350'

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SEP 24 1998  
WV Division of Environmental Protection

OPEN FLOW DATA

Producing\* formation Fifth Sand Pay zone depth (ft) 2489-2504

Gas: Initial open flow NA MCF/d Oil: Initial open flow NA Bbl/d  
 Final open flow NA MCF/d Final open flow NA Bbl/d  
 Time of open flow between initial and final tests NA Hours  
 Static rock Pressure NA psig (surface pressure) after NA Hours

\* This zone will be used for injection and not production

Second producing formation Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: HAWG HAULING & DISPOSAL, INC.

By: R. Mark Hackett

Date: 9/21/98

9/21/98

Hawg Hauling TO Chesapeake

JAN 31, 2008

12/09/2022

LEW 3175 F

4704103175W

Well 1141 was perforated in the Fifth Sand with 16 holes from 2489'-2504'. The well was then fractured in the Fifth Sand with 25,000 lbs of 20/40 sand in a 20 lb/gal gelled water system. The frac fluid was left in the formation after stimulation, ie the well was not flowed back into any pit.

Formations are indicated on the original IV-35 dated June 8, 1982.

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IV-35  
(Rev 8-81)



Date June 8, 1982  
Operator's  
Well No. A-1141  
Farm Law  
API No. 47 - 041 - 3175

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL and GAS DIVISION

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: OIL  / GAS X  / LIQUID INJECTION  / WASTE DISPOSAL   
(If "Gas", Production  / Underground Storage  / Deep  / Shallow  /)

LOCATION: Elevation: 1198' Watershed Leading Creek  
District: Freeman's Creek County: Lewis Quadrangle: Camden 7.5'

COMPANY Allegheny Land and Mineral Co.  
200 West Main Street  
ADDRESS Clarksburg, West Virginia 26301

DESIGNATED AGENT Allegheny Land & Mineral  
200 West Main Street  
ADDRESS Clarksburg, West Virginia 26301

SURFACE OWNER John T. Law  
ADDRESS River St., Weirton, W.Va.

MINERAL RIGHTS OWNER Consolidated Gas Supply  
ADDRESS P.O. Box 2450, Clarksburg, W.Va.

OIL AND GAS INSPECTOR FOR THIS WORK Robert  
Bates ADDRESS 109 Minnich St., Weston, W.V.

PERMIT ISSUED March 8, 1982

DRILLING COMMENCED April 4, 1982

DRILLING COMPLETED April 8, 1982

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
20-16 Cond.			
11 3/4"	29'	29'	
9 5/8"			
8 5/8"	833.81'	833.18'	to surface
7"			
5 1/2"			
4 1/2"	2633'	2633'	w/260 sks. 1350'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 5100 FEET

Depth of completed well 2631 feet Rotary xxx / Cable Tools \_\_\_\_\_  
Water Strata depth: Fresh feet Salt \_\_\_\_\_ feet  
Coal seam depth: 32-35 & 105-200 Is coal being mined in this area? \_\_\_\_\_

OPEN FLOW DATA

Producing formation Pocono & Big Injun Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow 133 Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 311 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 hours

Static rock pressure 806 psig (surface measurement after 168 hours shut-in  
(if applicable due to multiple completion--))

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut-in  
(continue on reverse side)

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4704108175W

Form M-35  
(REVISE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE ETC.

Well was fractured May 24, 1982  
 Perforations: 1753 - 1759 12 holes  
 1787 - 1792 7 holes  
 1801 - 1803 5 holes  
 1918 - 1822 4 holes  
 1826 - 1829 4 holes  
 1842 - 1849 8 holes  
 2326 - 2336 16 holes  
 2566 - 2572 10 holes

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	5	10	Gas check @ 1703' 33MCF
Shale	10	32	Gas check @ 2045' 39MCF
Coal	32	35	Gas check @ 2441' 66MCF
Shale	35	68	Gas check @ 2508' 133MCF
Sand	68	105	
Coal	105	108	
Sand	108	220	
Sand & Shale	220	1520	
L. Lime	1520	1530	
Sand & Shale	1530	1585	
B. Lime	1585	1643	
Injun	1643	1747	
Sand & Shale	1747	2631 T.D.	

(Attach separate sheets as necessary)

Allegheny Land and Mineral Company

Well Operator

By:

*A. J. Sabatini*

Vice President Oil & Gas Operations

Date:

June 8, 1982

Note: Regulation 2.02 (f) provides as follows  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."





- 1) API Well No. 47 - 041-03175
- 2) Operator's Well No. LAW 911141
- 3) UIC Permit No. 2D0413175
- 4) Date: 09/07/2022

**STATE OF WEST VIRGINIA  
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF  
ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**

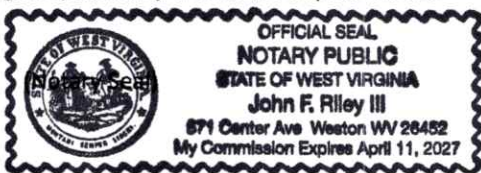
<p>5) Surface Owners to be served:</p> <p>(a) Name <u>Bernadette Law</u> Address <u>5096 US HWY 33 W</u> <u>Camden WV 26338</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Sam Ward</u> Address <u>PO Box 2327</u> <u>Buckhannon, WV 26201</u> Telephone _____</p>	<p>7) (a) Coal Operator Name <u>NO RECORD DECLARATION</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration Name <u>SEE ATTACHED H3 LLC</u> Address _____</p> <p>(c) Coal Lessee with Declaration Name <u>NO RECORD DECLARATION</u> Address _____</p>
--	---

**TO THE PERSONS NAMED ABOVE: You should have received this form and the following documents**

- (1) The application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work;
  - (2) The plat (surveyor's map) showing the well location of Form WW-6; and
  - (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is to plug the well).
- The date proposed for the first injection or waste disposal is November 7<sup>th</sup> 2022.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to a well at the location described on the attached application and depicted on the attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of the mailing or delivery to the Chief.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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: Lewis Camden LLC  
By: [Signature]  
Its: Executive Vice President  
Address: PO Box 470  
Bridgeport, WV 26330  
Telephone: 304-842-6320  
Email: mtvnvnotices@mountainvoilandgas.com

Subscribed and sworn before me this 7th day of September, 2022

[Signature] Notary Public  
My Commission Expires 4/11/2027

**Affidavit of Personal Service**

State Of West Virginia

County Of Lewis

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)\_\_\_/ WW-3(A)  / WW-4(A)\_\_\_/ WW-5(A)\_\_\_/ WW-6(A)\_\_\_
- (2) Application on Form WW-2(B)\_\_\_/ WW-3(B)  / WW-4(B)\_\_\_/ WW-5(B)\_\_\_/ WW-6(B)\_\_\_
- (3) Plat showing the well location on Form WW-6, and
- (4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. 47-041-03175 located in Freemans Creek District, Lewis County, West Virginia, upon the person or organization named--

**John Law**

--by delivering the same in Lewis County, State of West Virginia on the 20th day of October, 2022 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him  / her\_\_\_/ or, because he\_\_\_/ she\_\_\_/ refused to take it when offered it, by leaving it in his\_\_\_/ her\_\_\_/ presence.

[ ] Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[ ] Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[ ] Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[ ] Handing it to the corporation's employee\_\_\_/ officer\_\_\_/ director\_\_\_/ attorney in fact\_\_\_/ named\_\_\_\_\_.

John Law  
(Signature of person executing service)

Taken, subscribed and sworn before me this 25<sup>th</sup> day of Oct 2022.  
My commission expires Aug 25, 2024

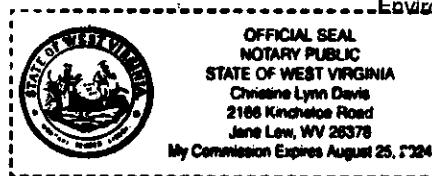
Christine Lynn Davis  
Notary Public

RECEIVED  
Office of Oil and Gas

OCT 27 2022

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

WV Department of Environmental Protection



12/09/2022

WW-2A Surface Waiver  
(4/16)

**SURFACE OWNER WAIVER**

County LEWIS Operator LEWIS CAMDEN LLC  
Operator well number LAW 911141

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

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

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) 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.

**Comments must be in writing.** Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

**If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.**

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

<p>_____ Signature</p> <p>_____ Date</p> <p>_____ Print Name</p>	<p>Company Name By Its</p> <p style="text-align: center;">RECEIVED Office of Oil and Gas</p> <p style="text-align: center;">OCT 27 2022</p> <p style="text-align: center;">Date</p> <p style="text-align: center;">WV Department of Environmental Protection</p> <p>_____ Signature</p> <p>_____ Date</p>
--	---

12/09/2022

FORM WW-3(A)

1) Date August 25 2008

2) Operator's Well No. 911141

3) API Well No. 47-041-3175

State County Permit

4) UIC Number 2D0413175

COAL OWNER

H3LLC

1508 West Main Street Suite C

Milton, WV 25541

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Office of Oil and Gas

OCT 27 2022

WV Department of  
Environmental Protection

12/09/2022

4704103175W

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1 Article Addressed to:

**H3 LLC**  
**1508 WEST MAIN ST SUITE C**  
**MILTON, WV 25541**

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

Agent

B. Received by (Printed Name)

Addressee

Press different from item 1?  Yes  No  
delivery address below:  No  Yes

C. Date of Delivery

RECEIVED  
Office of Oil and Gas

OCT 27 2022  
12/09/2022

WV Department of Environmental Protection



9590 9402 6830 1074 2995 84

2. Article Number (Transfer from service label)  
7019 2970 0000 9288 0680

PS Form 3811, July 2020 PSN 7530-02-000-9053

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Certified Mail Fee \$ 4.00

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ 2.25

Return Receipt (electronic)

Certified Mail Restricted Delivery \$ 2.95

Adult Signature Required

Adult Signature Restricted Delivery \$ 8.95

Postage

Postmark  
Here



7019 2970 0000 9288 0680  
7019 2970 0000 9288 0680

**H3 LLC**  
**1508 WEST MAIN ST SUITE C**  
**MILTON, WV 25541**

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County LEWIS
Operator LEWIS CAMDEN LLC Operator's Well Number 911141

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature Date Company Name By Its Date Signature Date

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Office of Oil and Gas

OCT 27 2022

WV Department of
Environmental Protection

12/09/2022

WW-9  
(5/16)

API Number 47 - 041 - 03175  
Operator's Well No. LAW 911141

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Lewis Camden LLC OP Code \_\_\_\_\_

Watershed (HUC 10) Leading Creek Quadrangle Camden 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: N/A

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

SDW 9/14/2022

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 2D0413175 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: YES Above Ground Circulating Tanks

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? N/A

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 April 1, 2016, 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 *Mark Hackett*

Company Official (Typed Name) Mark Hackett

Company Official Title Executive Vice President

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Office of Oil and Gas

OCT 27 2022

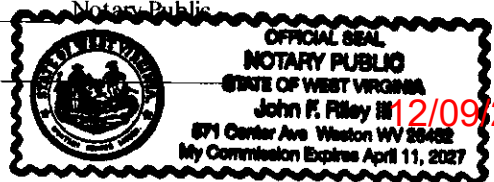
Subscribed and sworn before me this 7th day of September, 2022

WV Department of Environmental Protection

John F. Riley III

Notary Public

My commission expires 04/11/2027





Proposed Revegetation Treatment: Acres Disturbed N/A Prevegetation pH N/A

Lime N/A Tons/acre or to correct to pH N/A

Fertilizer type N/A

Fertilizer amount N/A lbs/acre

Mulch N/A Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type	lbs/acre	Seed Type	lbs/acre
<u>N/A</u>		<u>N/A</u>	

**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, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Comments: \_\_\_\_\_

EXISTING LOCATION. JNM  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: OOG Inspector

Date: 09/07/2022

Field Reviewed? (  ) Yes

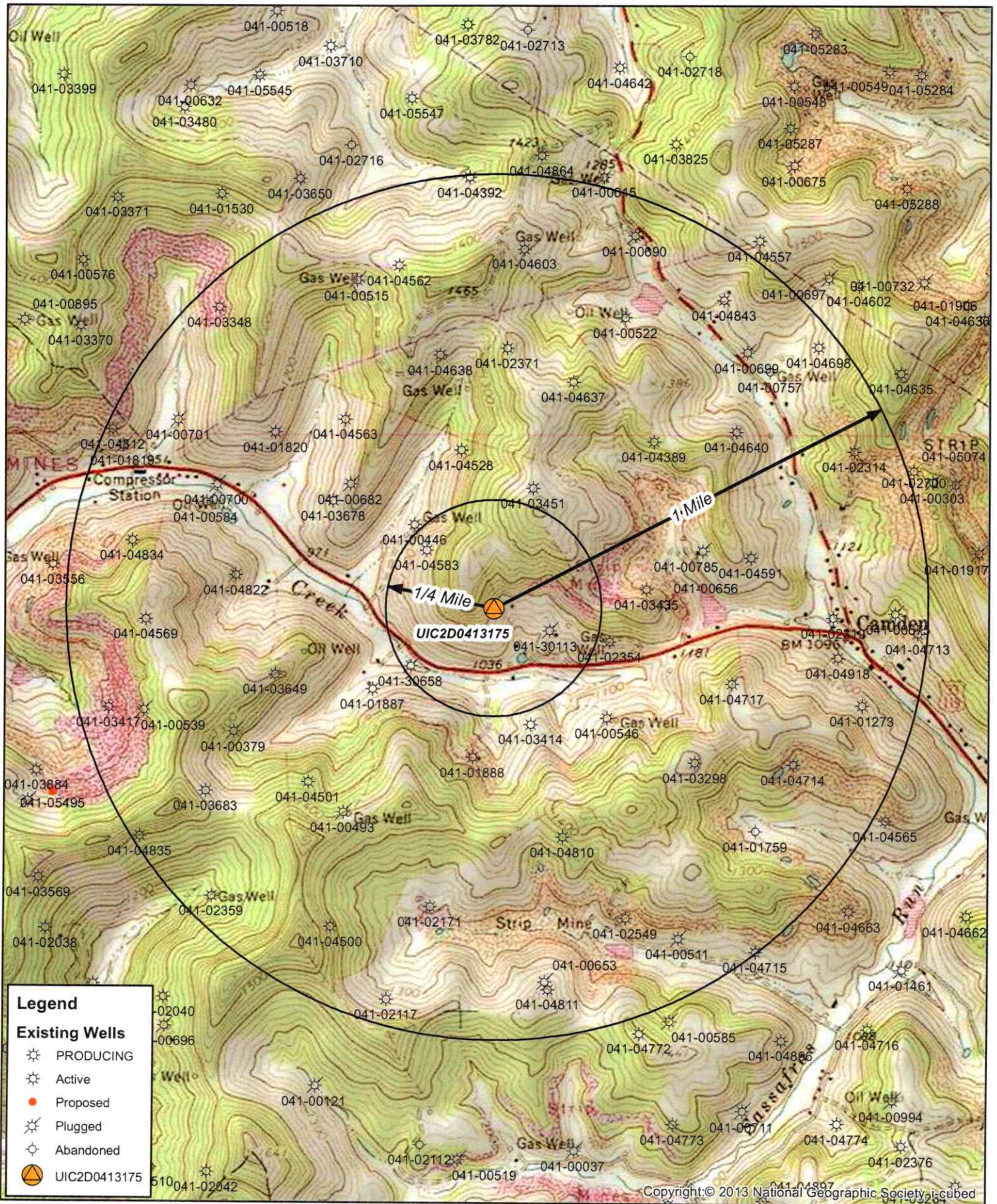
(  ) No

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12/09/2022



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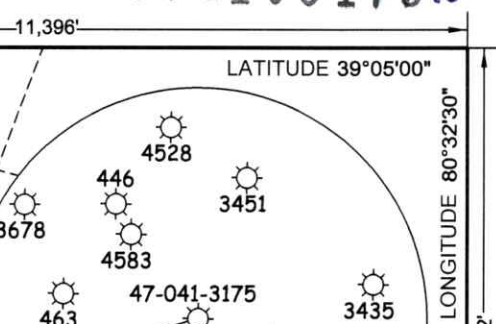


LAW SWS SWD UIC2D0413175  
 Freemans Creek District, Lewis County, WV  
 Camden 7.5' Quad

RECEIVED  
 Office of Energy, Minerals and  
 Environmental Protection  
 OCT 27 2022  
 WV DEPARTMENT OF  
 Environmental Protection

# CONSOLIDATED GAS SUPPLY LEASE 129.08 ACRES WELL A-1141 47-041-3175

(S.P.C. SOUTH ZONE) (UTM(M) ZONE 17 NORTH)  
NAD'83 S.P.C.(FT) N. 748,678 E. 2,087,270  
NAD'83 GEO. LAT-(N) 39.055187 LONG-(W) 80.581793  
NAD'83 UTM (M) N. 4,322,984.0 E. 536,185.2



NAD'83 GRID NORTH

LATITUDE 39°05'00"  
LONGITUDE 80°32'30"

STUMPHOLE @ FENCE CORNER

3-4F-25.1  
JOHN J. & NANCY  
L. SARGENT  
74.905 AC.

3-4F-18  
ROBERT C.,  
ARLENE A. &  
ROBERT L. POPE  
124.563 AC.

3-4F-19  
BERNADETTE H.  
LAW  
30 AC.

3-4F-20  
BERNADETTE H.  
LAW  
33.35 AC.

3-4F-17.2  
JAMES L.  
WALKER  
5 AC.

3-4F-17.1  
EUGENE R. &  
SUSAN L.  
LOWELL  
4.44 AC.

47-041-3175

S 05°31' E  
788.86'

LEADING

FENCE POST

CREEK

3-4F-21  
BERNADETTE H.  
LAW  
99 AC.

### NOTES ON SURVEY

- 1. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.

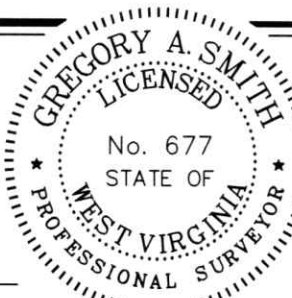
**LEGEND**

- LEASE LINE [Symbol]
- SURFACE LINE [Symbol]
- TIE LINE [Symbol]
- CREEK [Symbol]
- COUNTY ROUTE [Symbol]
- PROPOSED WELL [Symbol]
- EXISTING WELL [Symbol]
- PERMITTED WELL [Symbol]
- TAX MAP-PARCEL 00-00 [Symbol]



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slsv.com

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE NOVEMBER 10, 20 22  
REVISED \_\_\_\_\_, 20 \_\_\_\_  
OPERATORS WELL NO. A-1141  
API WELL NO. 47 - 041 - 03175  
STATE COUNTY PERMIT

P.S. 849 Gregory A. Smith

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9273-MTV-SURV-PLAT3175-R00-221109-CPN.dwg  
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 500'

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

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL X IF "GAS" PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1,198' WATERSHED LEADING CREEK  
DISTRICT FREEMANS CREEK COUNTY LEWIS QUADRANGLE CAMDEN 7.5'  
SURFACE OWNER BERNADETTE H. LAW ACREAGE 30±  
ROYALTY OWNER CONSOLIDATED GAS SUPPLY OR ASSIGNS ACREAGE 129.08±

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ OTHER \_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BIG INJUN/WEIR  
ESTIMATED DEPTH 2,560'

WELL OPERATOR LEWIS CAMDEN, LLC DESIGNATED AGENT MIKE SHAVER  
ADDRESS P.O. BOX 904 ADDRESS P.O. BOX 904  
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

COUNTY NAME  
PERMIT

12/09/2022



200 West Main Street/P.O. Box 1740  
Clarksburg, West Virginia 26302-1740  
(304) 623-6671/FAX: (304) 624-9265  
800-873-2526

May 2, 1997

Mr. Mike Lewis  
UIC Program Director  
West Virginia Division of  
Environmental Protection  
#10 McJunkin Road  
Nitro, WV 25143-2506

RE: Step Rate Test for Hawg Hauling and Disposal, Inc. injection  
well number 1141

Dear Mike:

I have attached two curves from the step rate injection test we performed yesterday. Chart #1 is a graphical representation of the data points we both recorded on site. This chart shows that the maximum permitted wellhead pressure for well 1141 should be 1,224 psi. This is the same number we arrived at yesterday. Chart #2 is the same data with the exception of one point. The data point at 28 gallons per minute which we recorded as 1,380 psi on location, was found to be 1,400 psi when I reviewed Halliburton's charts. This point actually falls in line with the latter points on the curve, and provides a consistent line through the last three data points. When using this curve, the calculated maximum wellhead injection pressure would be 1,242 psi. I will be submitting a new WR-37 as quickly as possible. Please advise, as to what injection pressure you will allow us at this time.

Very truly yours,

R. Mark Hackett  
Vice President, Engineering

Attachments

RECEIVED  
Office of Oil and Gas

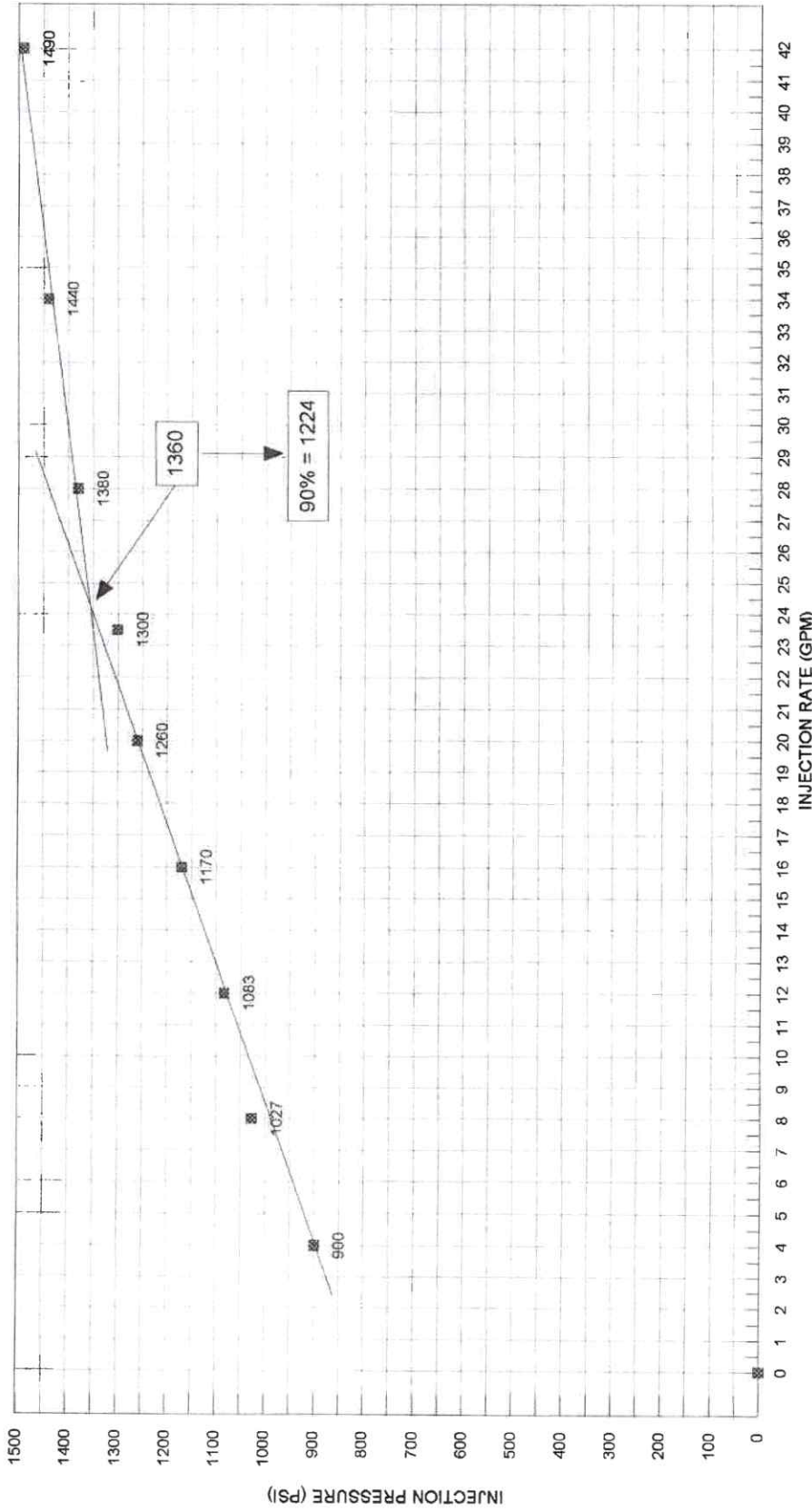
OCT 27 2022

WV Department of  
Environmental Protection

12/09/2022

CHART #1

DISPOSAL WELL 1141  
STEP RATE INJECTION TEST



MAY 1, 1997

ALAMCO'S NUMBERS

RECEIVED  
Office of Oil and Gas

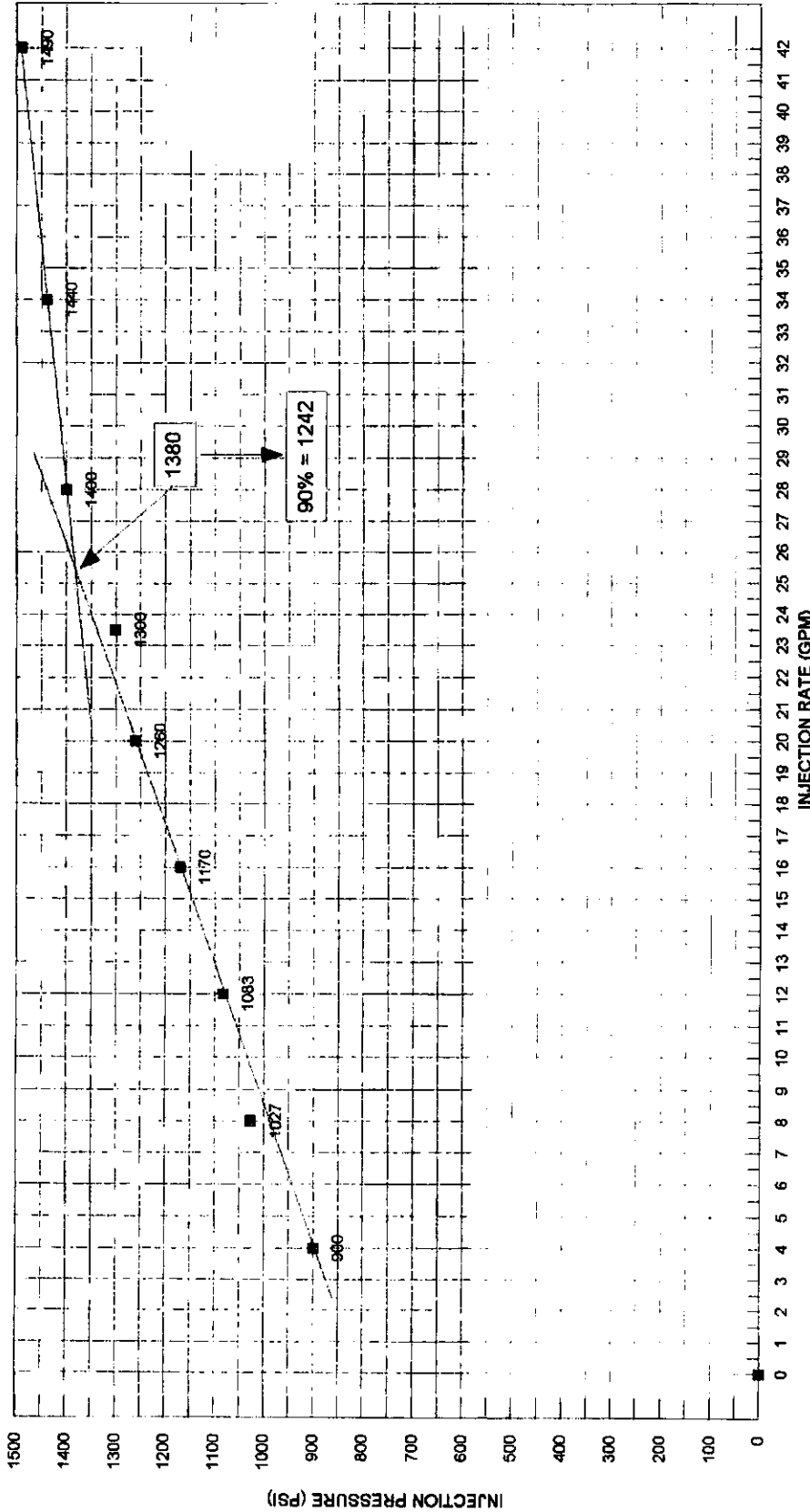
OCT 27 2022

WV Department of  
Environmental Protection

12/09/2022

CHART #2

DISPOSAL WELL 1141  
STEP RATE INJECTION TEST



MAY 1, 1987

ALAMCO'S NUMBERS

RECEIVED  
Office of Oil and Gas

OCT 27 2022

WV Department of  
Environmental Protection

12/09/2022



Kennedy, James P <james.p.kennedy@wv.gov>

---

## Rework permit issued 4704103175

1 message

---

**Kennedy, James P** <james.p.kennedy@wv.gov>

Fri, Dec 9, 2022 at 3:51 PM


To: Gene C Smith <gene.c.smith@wv.gov>, rileypar@yahoo.com, hackett@mountainvoilandgas.com, smshaver@mountainvoilandgas.com, genesmith17@gmail.com, Charles T Brewer <Charles.T.Brewer@wv.gov>

To whom it may concern, a rework permit has been issued for 4704103175.

James Kennedy

WVDEP

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 **4704103175.pdf**  
4019K

12/09/2022