



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, August 23, 2019

WELL WORK PLUGGING PERMIT
Vertical Plugging

ROSS AND WHARTON GAS COMPANY, INC.
RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re: Permit approval for 2487
47-103-00744-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: 2487
Farm Name: HART, JOHN & MELISSA
U.S. WELL NUMBER: 47-103-00744-00-00
Vertical Plugging
Date Issued: 8/23/2019

PERMIT CONDITIONS

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

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. 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.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

47-103-00744 P

WW-4B
Rev. 2/01

1) Date April 1, 2019
2) Operator's
Well No. J & M Hart #2487
3) API Well No. 47-103 - 00744 P

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1180' Watershed Money Run
District Green County Wetzel Quadrangle Pine Grove

6) Well Operator Ross & Wharton Gas Co. Inc. 7) Designated Agent Mike Ross
Address 354 Morton Ave. Address P.O. Box 219
Buckhannon, WV 26201 Coalton, WV 26257


8) Oil and Gas Inspector to be notified Name Derek Haught
Address P.O. Box 85
Smithville, WV 26178
9) Plugging Contractor Name N/A
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:

- Free point and recover casing's & tubular's
- 6% Gel between plug's
- Set cement plug 2850' to TD (3046') 100' above Gordon Sand
- Set 100' cement plug across casing cut
- Set cement plug 2550' to 2600', Set cement plug 1900' to 2100', Maxon Sand
- Set cement plug 1350' to 1450', 8" casing plug, Set cement plug 1100' to 1200', elevation plug (salt bearing strata)
- Set cement plug 800' to 950' Pittsburgh Coal, Set cement plug 450' to 550', 10" casing plug and ground water protection plug
- Set cement plug 100' to surface (surface plug). Tag plug's as necessary, Set monument with API number

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Office of Oil and Gas
MAY 28 2019
WV Department of
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 5-15-19

The Manufacturers Light & Heat Company

Wetzel - 744

Division 248 Fourth Ave., Pittsburgh, Pa.
 Record of Well No. **2487** on **John & Melissa Hart** Farm **100** Acres
 Reader **Greene** District **Wetzel** County **West Va.** State
 Rig Commenced **192** Completed **192**
 Drilling Commenced **June 4 1923** Completed **August 4, 1928**
 Cost per Foot **\$2.00** Contractor **Hugh Anderson** Address **Reader, West Va.**
 Drillers' Names **G. J. McHenry, George Watters, G. C. Sherwood, Walter Lancaster**

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old Steel Yes	Height	Name of Builder
								82	

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 inch	10 inch	8 1/4 inch	6 1/2 inch	6 inch	5 1/2 inch	5 inch	4 inch
384' 02"								

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 inch	10 inch	8 1/4 inch	6 1/2 inch	6 inch	5 1/2 inch	5 inch	4 inch	3 inch
384' 02"									

OIL WELL			GAS WELL							
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Tanks	Size of Packer	Depth Set	Packed with	1st Minute Pressure	Rock Pressure
						None			7 #	157 #
FORMATION			Top	Bottom	Thickness	REMARKS				

"DRILLING DEEPER"

Commenced drilling in the Maxen Sand at the original depth of 2066'.

Maxen Sand	<i>light hard</i>	2066	2086	20	
Big Lime	<i>light hard</i>	2086	2150	64	
Big Injun Sand	<i>dark hard</i>	2150	2383	233	Little gas at 2257' & 2383'
Gantz Sand	<i>white hard</i>	2600	2620	20	
Hundred Feet	<i>soft</i>	2724	2756	32	
Fifty Feet	<i>hard</i>	2790	2824	34	
Red Rock	<i>red soft</i>	2824	2833	9	
Lime	<i>white hard</i>	2833	2883	50	
Red Rock	<i>red soft</i>	2883	2891	8	
Lime	<i>white hard</i>	2891	2932	41	
Slate	<i>light soft</i>	2932	2990	58	
Garden Sand	<i>white hard</i>	2990	3000	10	Gas 2993 to 2996, Test 8/10 Mercury
Slate	<i>black soft</i>	3000	3046	46	in a 2" spg.
Total Depth			3046		

<i>Slate light soft</i>	2075	2410	1.0
<i>lime white hard</i>	2410	2430	2.0
<i>lime white soft</i>	2430	2450	2.0
<i>lime white hard</i>	2450	2460	1.0
<i>slate light soft</i>	2460	2470	2.0
<i>lime white hard</i>	2470	2475	2.0
<i>slate light soft</i>	2475	2480	1.0
<i>lime white soft</i>	2480	2485	2.0
<i>lime white hard</i>	2485	2487	1.0
<i>lime white hard</i>	2487	2488	1.0

447,000
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 Office of Oil and Gas
 274213
 MAY 28 2019
 WV Department of Environmental Protection

Examined above information and measurements and found to be correct by _____
 Contractor
 NOTE: The above blank must be filled out carefully by the Contractor, with a complete and accurate record of the Well, and accompany, when presented to the Office of Oil and Gas for drilling.
 All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what order at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.
 Make no memoranda of boiler and engine if owned by contractor.

THE MANUFACTURERS LIGHT & HEAT Company

47-103-00744P

Division **IUKA** 248 Fourth Ave., Pittsburgh, Pa.
 Record of Well No. 2487 on **J.M.Hart,** Farm 100 Acres
 Iuka Field Green District **Wetzol** County **West Va.** State
 Rig Commenced **October 10th, 1919,** Completed **October 18th, 1919**
 Drilling Commenced **November 17th, 1919,** Completed **December 20th, 1919**
 Cost per foot **\$2.25** Contractor **T. G. Rawe,** Address **New Martinsville, W. Va.**
 Drillers' Names **E. F. Morgan, M.R. Rawe, and Otto Fry,**

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder

CONDUCTOR AND CASING USED IN DRILLING										
Conductor	13 inch	10 inch	8 1/2 inch	6 3/4 inch	6 1/2 inch	5 3/4 inch	5 1/2 inch	5 inch	4 inch	
14'		485'	1424'	1774'	11"					

CONDUCTOR AND CASING LEFT IN WELL										
Conductor	13 inch	10 inch	8 1/2 inch	6 3/4 inch	6 1/2 inch	5 3/4 inch	5 1/2 inch	5 inch	4 inch	3 inch

OIL WELL					GAS WELL					
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Tanks	Size of Packer	Depth Set	Packed with	1st Minutes Pressure	Rock Pressure

FORMATION	Top			Bottom			REMARKS
	Top	Bottom	Thickness	Top	Bottom	Thickness	
Red Rock,	0	200					(Pittsburgh Coal)
Slate, (black)	200	345	145				
Coal, (black-soft)	345	350	5				
Slate, (black-soft)	350	400	100				
Lime, (Gray-hard)	450	478	28				
Coal, (black-soft)	478	480	2				
Slate, (white-med-)	480	540	60				
Red rock, (red- soft)	540	595	55				
Coal, (black-soft)	595	598	3				
Lime, (Gray- hard)	598	610	12				
Red-rock, (red- med-)	610	710	100				
Lime, (pink-hard)	710	750	40				
Slate, (Gray- soft)	750	800	50				
Lime, (white-hard)	800	827	27				
Coal, (black-soft)	827	830	3				
Lime, (white-hard)	830	850	20				
Slate, (gray- soft)	850	910	60				
Lime, (gray-hard)	910	924	14				
Pgh. Coal, (Coal-)	922	924	2				
Slate, (white-med.)	935	950	15				
Lime, (white-hard)	950	960	10				
Slate, (lead- med)	960	995	35				
Red rock, (red-soft)	995	1025	30				
Slate, (gray-soft)	1025	1050	30				
Lime, (gray-hard)	1055	1070	15				
Red rock, (red- soft)	1070	1100	30				
Slate, (dark-soft)	1100	1150	50				
Lime, (gray-hard)	1150	1175	25				
Red rock, (Red- soft)	1175	1225	50				

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 WV Department of
 Environmental Protection

Examined above information and measurements and found to be correct by _____ Contractor. Examined and approved by _____ Supervisor.
 NOTE: The above blank space must be filled out carefully by the Contractor, with a complete and accurate record of the Well, and accompany, when presented to the bill for drilling.
 All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.
 Make no memoranda of boiler and engine if owned by contractor.
 (Over)

FORMATION.	TOP.	BOTTOM.	THICKNESS.	REMARKS.
Little Dunkard,	1245	1375	130	* Gas and light show
Lime, (-hard)	1370	1385		* of oil at 1248'
Slate, (black-soft)	1385	1390	5	* Water at 1365' one
Pink rock, (pink-soft)	1390	1420	30	* bailer an hr. (fresh)
Big Dunkard, (-hard)	1420	1450	30	*
White, (Slate-	1450	1452	2	*
Lime, (white-	1455	1480	25	*
Slate, (white-	1480	1490	10	*
Gas Sand, (dark-soft)	1490	1530	40	*
Slate, (white-soft)	1530	1555	25	*
Lime, (white-hard)	1555	1570	15	*
1st. Salt Sand, -soft)	1570	1592	22	* Show of oil.
Slate, (white-soft)	1595	1600	5	*
Salt Sand, (bottom-	1600	1628	28	*
Slate, (white-soft)	1628	1650	22	*
2nd. Salt Sand, -hard)	1650	1680	30	* Open Flow Test.
Slate, (dark-	1680	1756	76	* 40/10 water in 8" pipe
3rd. Salt Sand, -	1756	1800	44	*
Slate, (black-soft)	1800	2022	222	* Spring gauge test in
Maxon Sand, white-soft)	2022	2064	34	* fuel line. (2")
1st. pay,	2041	2044	3	*
2nd. pay,	2054	2064	10	* line from 325#
Total Depth,	2066'			* 1st. min. 300 #
				* 2nd. min. 375 #
				* 3rd. min. 400 #
				* 4th. min. 425 #
				* 5th. min. 450 #
				* Rock from 650 # in
				* one hour.

WELL RECORD

Co. _____

WELL No. 2011

FARM Greenhart

DISTRICT Greenhart

COUNTY Putnam

STATE W. Va.

OWNED BY _____

DIVISION _____

DATE _____ 191__

ENTERED W. R. BOOK FOLIO 2014-5

BY Franch

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MAY 28 2019

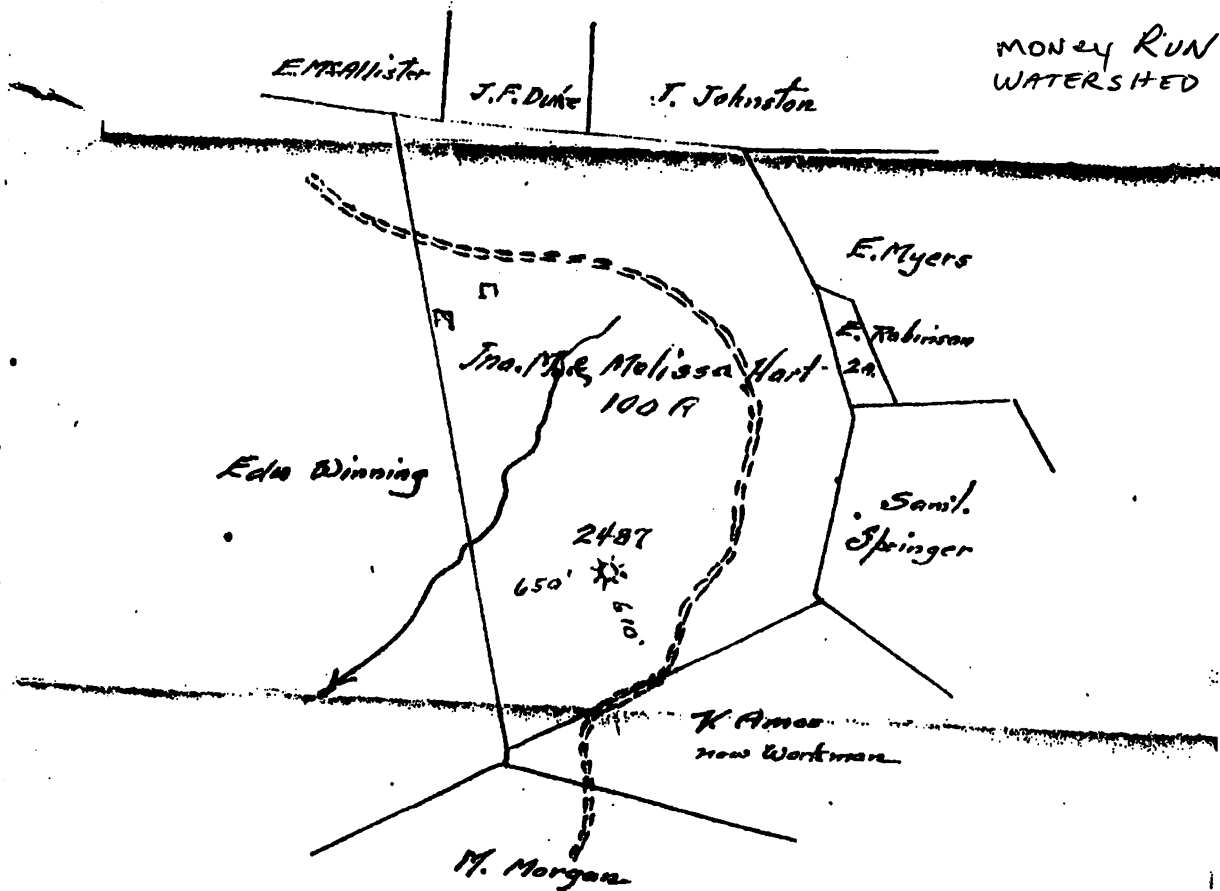
WV Department of
Environmental Protection

Wet-1-744

The Manufacturers Light & Heat Co.

N

Plot showing location for well No. 1 (2487) on the 100 acre farm
 of Jno. M. & Melissa Hart situated
 in Green District Wetzel County W. Va.
 Scale 1" equals 660 Feet. Date Aug 17 1926



103-744-D

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MAY 28 2019

WV Department of
Environmental Protection

47-103-00744P

WW-4A
Revised 6-07

1) Date: April 1, 2019
2) Operator's Well Number
J & M Hart #2487

3) API Well No.: 47 - 103 - 00744

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Richard D. Hornbeck</u>	Name <u>N/A</u>
Address <u>49900 Benwood Rd.</u>	Address _____
<u>Sardis, OH 43946</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
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	MAY 28 2019
	WV Department of
	Environmental Protection
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 85</u>	Name <u>N/A</u>
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>1-304-206-7613</u>	_____

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

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat 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 mailing or delivery to the Chief.

Well Operator Ross & Wharton Gas Company Inc.
 By: [Signature]
 Its: President
 Address 354 Morton Ave.
Buckhannon, WV 26201
 Telephone 1-304-472-4289

Subscribed and sworn before me this 4th day of April 2019

My Commission Expires September 27, 2020



Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

47-103-00744 J & M Hart #2487

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (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:

*Richard Hanbeck
49900 Benwood Rd
SARDIS, OH 43946*

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th 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 **FIVE (5) 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.

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 Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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
ETC.

FOR EXECUTION BY A CORPORATION,

Richard O Hanbeck _____ Date 4-14-19 Name _____
Signature By _____

Its _____ Date _____

Signature _____ Date _____

*I would like to have a copy of permit.
Thank you!*

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Office of Oil and Gas
APR 17 2019

WV Department of
Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

47-103-00744 J & M Hart #2487

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**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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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

For delivery information, visit our website at www.usps.com.

SARDIS, OHIO

Certified Mail Fee \$7.50
Extra Services & Fees (check appropriate boxes)
 Return Receipt (hardcopy)
 Return Receipt (electronic)
 Certified Mail Restricted Delivery
 Adult Signature Required
 Adult Signature Restricted Delivery
 Postage \$0.55
 Total Postage and Fees \$8.05

Sent To: **Richard D. Danner**
 Street and Apt. No., or PO Box No.: **499004**
 City, State, ZIP+4®: **BEN LIND, OHIO 43743**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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 ation. You have **FIVE (5) DAYS** after the filing date to file your
 or received in the mail by the Chief's office by the time stated above.
 the date. Check with your postmaster to ensure adequate delivery time
 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.

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 grounds:
 1) The proposed well work will constitute a hazard to the safety of persons.
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 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
 of the provisions of Chapter 22, and has failed to abate or seek review of the
 violation...

RECEIVED
Office of Oil and Gas
MAY 28 2019

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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 Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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
ETC.

FOR EXECUTION BY A CORPORATION,
ETC.

Signature

Date

Name
By
Its

Date

Signature

Date

WW-9
(5/16)

API Number 47 - 103 - 00744
Operator's Well No. _____

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

Operator Name Ross & Wharton Gas Company Inc. OP Code 306580

Watershed (HUC 10) Money Run Quadrangle Pine Grove

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: _____

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

Proposed Disposal Method For Treated Pit Wastes:

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

*DMH
5-15-19*

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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.

RECEIVED
Office of Oil and Gas

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 *Mike Ross*
Company Official (Typed Name) Mike Ross
Company Official Title President

Subscribed and sworn before me this 4th day of April, 20 19

Brenda K Bush

My commission expires September 27, 2020



Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type ¹⁰⁻²⁰⁻²⁰ _____

Fertilizer amount 500 lbs/acre

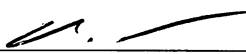
Mulch Hay Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	30	Fescue	30
Contractor's Mix		Contractor's Mix	

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: _____

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Title: Oil & Gas Inspector Date: 5-15-19

Field Reviewed? Yes No

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

Operator Name: Ross & Wharton Gas Company Inc.

Watershed (HUC 10): Money Run Quad: Pine Grove

Farm Name: _____

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

N/A

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Money Run

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4. Summarize all activities at your facility that are already regulated for groundwater protection.

N/A

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No material will be used

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

N/A

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8. Provide provisions and frequency for inspections of all GPP elements and equipment.

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N/A

Signature: Mike Ross

Date: April 4, 2019

47-103-00744A



103-00744A

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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-103-00744 WELL NO.: #2487

FARM NAME: J & M Hart #2487

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Wetzel DISTRICT: Green

QUADRANGLE: Pine Grove

SURFACE OWNER: Richard D. Hornbeck

ROYALTY OWNER: Mike Ross

UTM GPS NORTHING: 4382673.9

UTM GPS EASTING: 523659.1 GPS ELEVATION: 1180'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:
Survey grade GPS ____: Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS ____: Post Processed Differential ____
Real-Time Differential ____
4. Letter size copy of the topography map showing the well location.

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I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Mike Ross
Signature

President
Title

April 4, 2019
Date