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**west virginia** department of environmental protection

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

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

June 27, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-9502003, issued to HG ENERGY, LLC, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

  
James Martin  
Chief

Operator's Well No: WR MCINTYRE 1  
Farm Name: MILLER, RONNIE W.  
**API Well Number: 47-9502003**  
**Permit Type: Plugging**  
Date Issued: 06/27/2016

**Promoting a healthy environment.**

**07/01/2016**

## 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

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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.

1) Date May 27, 2016  
2) Operator's  
Well No. WR McIntyre 1  
3) API Well No. 47-095 - 2003

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 \_\_\_\_\_ / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_ /  
(If "Gas, Production \_\_\_\_\_ or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ / Shallow

5) Location: Elevation 952' Watershed McIntyre Fork  
District McElroy County Tyler Quadrangle Centerpoint 7.5'


6) Well Operator HG Energy, LLC 7) Designated Agent Diane White  
Address 5260 Dupont Road Address 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Derek Haught Name To Be Determined Upon Approval of Permit  
Address P. O. Box 85 Address \_\_\_\_\_  
Smithville, WV 26178

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

**\*\* See Attached Sheet \*\***

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

Work order approved by inspector  Date 6/7/16

Received  
Office of Oil & Gas  
JUN 16 2016

07/01/2016

WW-4B - Conti  
Rev. 2/01

1) Date: May 27, 2016  
2) Operator's Well Number W R McIntyre 1  
3) API Well No: 47 - 095 - 2003  
State County Permit

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 x Gas \_\_\_\_\_ Liquid Injection \_\_\_\_\_ Waste Disposal \_\_\_\_\_  
(If "Gas", Production \_\_\_\_\_ Underground Storage \_\_\_\_\_ ) Deep \_\_\_\_\_ Shallow x  
5) LOCATION: Elevation: 952' Watershed: McIntyre Fork  
District: McElroy County: Tyler Quadrangle Centerpoint 7.5'  
6) WELL OPERATOR: HG Energy, LLC 494497948 7) DESIGNATED AGENT Diane White  
Address 5260 Dupont Road Address 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101  
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR  
Name Derek Haught Name To Be Determined Upon Approval of Permit  
Address P. O. Box 85 Address \_\_\_\_\_  
Smithville, WV 26178 \_\_\_\_\_

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

TD- 2,815'

Manners of plugging:

- Plug #1 - 2750' - 2650'  
Located above the Gordon  
Free point, part and pull all possible 5" casing at approximately 2000'
- Plug # 2 - 2325' - 2225'  
Located at 5" casing shoe  
Free point, part and pull 6" casing if possible at approximately 1250'
- Plug #3 - 2050' - 1950'  
Located at 6" casing shoe, and 5" casing stub
- Plug #4 - Approx 1300' -1200'  
Located at 6" casing stub through 8" casing shoe  
Free point, part and pull all possible 8" casing at approximately 650'
- Plug #5 - 765' - 600'  
Located through 6" casing stub, Pittsburgh coal and 8" casing stub. Perforate 8" casing through coal if present  
Attempt to pull all possible 10" if present
- Plug #6 - 250' - Surface  
Located through 10" shoe and fresh water to surface

*JRS  
6-7-16*

*DMH  
6-7-16*

Recover all possible casing. If casing can not be recovered, perforate for plug placement.

- Monument -  
6" minimum diameter metal pipe  
30" above surface  
10' in well below surface  
Sealed with cement  
API identification (1/2") height numbering

6% Gel between all plugs

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JUN 16 2016

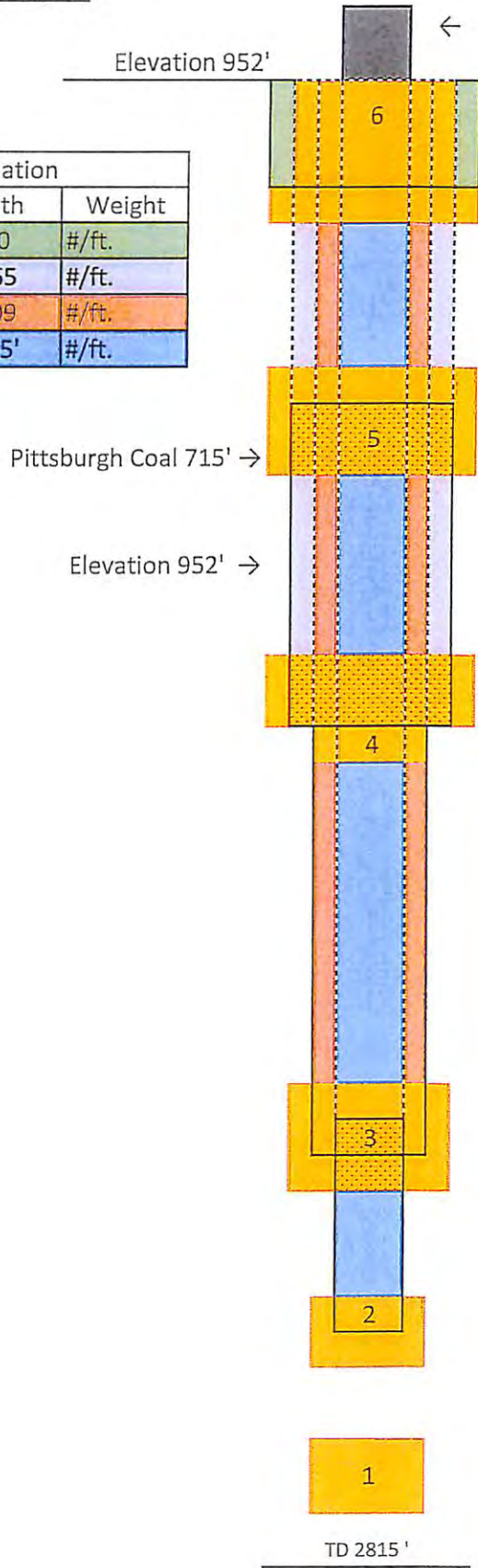
Well: W.R. McIntyre #1  
 API: 47-095-2003

Monument min. 6" dia. metal pipe, 30" above surface, 10' in well below surface, sealed with cement, API id.

Casing Information		
Size	Depth	Weight
10"	200	#/ft.
8"	1265	#/ft.
6"	2009	#/ft.
5"	2285'	#/ft.

Freepoint Cut and Pull Casing	
Size	Approx. Depth
5"	2000'
6"	1250'
8"	650'

Cement Plugs		
NO.	Bottom	Top
1	2750	2650
2	2325	2225
3	2050	1950
4	1300	1150
5	765	600'
6	250	0



SPS  
6/7/16

DH  
6/7/14

Note: 6% gel between all plugs

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Elevation 952'

No. 2 **A.J. Simmons & Company** COMPLETION

SERIAL No. \_\_\_\_\_ FARM **W.R. McIntyre** WELL No. **1**

ELEVATION \_\_\_\_\_ N. \_\_\_\_\_ S. **1** E. \_\_\_\_\_ W. **4**

CONTRACTOR **Eagon & Baker** ACRES **100** MAP No. \_\_\_\_\_

WATERS OF **Indian Creek**

DISTRICT **McElroy** COUNTY **Tyler** STATE **W. Va.**

DRILLING COMMENCED **Jul. 28, 1922** COMPLETED **Oct. 2, 1922** DEPTH **2815 ft.**

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
Pgh. COAL <del>XXXXXX</del>	<b>715</b>			<b>10"</b> <b>200</b>
<b>Big Injun</b>	<b>2060</b>			<b>8"</b> <b>1265</b>
<b>Gordon Stray</b>	<b>2770</b>	<b>2783</b>		<b>6"</b> <b>2009</b>
<b>Gordon</b>	<b>2789</b>	<b>2803</b>		<b>5"</b> <b>2285</b>
<b>Gordon Oil</b>	<b>2794</b>			

PACKERS AND DEPTH SET

INITIAL PROD. **1 Bbl. Daily** SAND **Gordon** DEPTH **2079'**

GAS TEST **No Test**

SHOT **Oct. 3, 1922** QUARTS **40**

REMARKS **Stray Gas 2778, 9/10 Water 2" Opng.**

REPORTED BY **PINEY DISTRICT.** ABANDONED

No. 2 **A.J. Simmons & Company** *Sheet # 20967* COMPLETION

SERIAL No. \_\_\_\_\_ FARM **W.R. McIntyre** WELL No. **1**

ELEVATION \_\_\_\_\_ N. \_\_\_\_\_ S. **1** E. \_\_\_\_\_ W. **4**

CONTRACTOR **Eagon & Baker** ACRES **100** MAP No. \_\_\_\_\_

WATERS OF **Indian Creek**

DISTRICT **McElroy** COUNTY **Tyler** STATE **W. Va.**

DRILLING COMMENCED **Jul. 28, 1922** COMPLETED **Aug. 26, 1922** DEPTH **2182'**

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
Pgh. COAL <del>XXXXXX</del>	<b>715</b>			
<b>Big Injun</b>	<b>2060</b>			<b>10"</b> <b>200</b>
<b>Show Gas</b>	<b>2065</b>			<b>8"</b> <b>1265</b>
<b>Oil</b>	<b>2133</b>			<b>6"</b> <b>2009</b>

PACKERS AND DEPTH SET

INITIAL PROD. **1 Bbl. Daily** SAND **Big Injun** DEPTH **1418**

GAS TEST **5/10 Water thru 1" Opng.**

SHOT **Aug. 28, 1922** QUARTS **60**

REMARKS

REPORTED BY **PINEY DISTRICT** ABANDONED

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Office of Oil & Gas  
JUN 16 2016

47-095 - 2003  
47-950-2003  
07/01/2016



WW-4A  
Revised 6-07

1) Date: May 27, 2016  
2) Operator's Well Number  
W. R. McIntyre 1

3) API Well No.: 47 - 095 - 2003

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

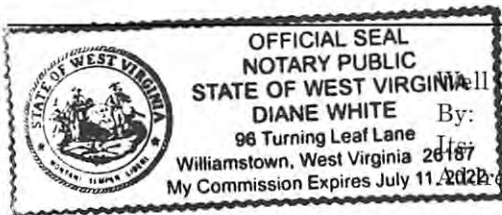
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Frank Simons</u>	Name <u>NA</u>
Address <u>20913 Waterbeach Place</u>	Address _____
<u>Sterling, VA 20165</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NA</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>P. O. Box 85</u>	Name <u>NA</u>
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>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	<u>HG Energy, LLC</u>
By:	<u>Diane White</u> <i>Diane White</i>
Agent	_____
	<u>5260 Dupont Road</u>
	<u>Parkersburg, WV 26101</u>
Telephone	<u>304-420-1119</u>

Subscribed and sworn before me this 27th day of May  
Diane White Notary Public  
 My Commission Expires July 11, 2022

Received  
 Office of Oil & Gas  
 JUN 16 2016

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

9502003P

WW-9  
(5/16)

API Number 47 - 095 - 2003  
Operator's Well No. W. R. McIntyre 1

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

Operator Name HG Energy, LLC OP Code 494497948

Watershed (HUC 10) McIntyre Fork Quadrangle Centerpoint 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  **ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS.**

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 \_\_\_\_\_ )

Will closed loop system be used? If so, describe: No

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

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

Additives to be used in drilling medium? NA

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

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

-Landfill or offsite name/permit number? NA

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 Diane White

Company Official (Typed Name) Diane White

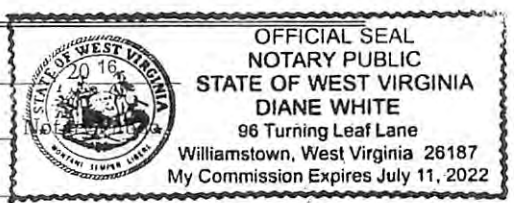
Company Official Title Agent

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JUN 16 2016

Subscribed and sworn before me this 27th day of May

Diane White

My commission expires July 11, 2022



07/01/2016



Proposed Revegetation Treatment: Acres Disturbed 0.9 acre Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Straw 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

**\*\* Sediment Control Will Be In Place At All Times \*\***

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:  Justin Snyder

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Oil & Gas 1458

Date: 6/7/16

Field Reviewed? ( ) Yes ( ) No

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

Operator Name: HG Energy, LLC  
Watershed (HUC 10): McIntyre Fork Quad: Centerpoint 7.5'  
Farm Name: WR McIntyre

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

Not Applicable

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

Not Applicable

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

Not Applicable

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

Not Applicable

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

JPS  
6/27/16  
DMS  
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JUN 16 2016

Not Applicable

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

Not Applicable

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.

Not Applicable

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

Not Applicable

Signature: Diane White

Date: 5-27-16

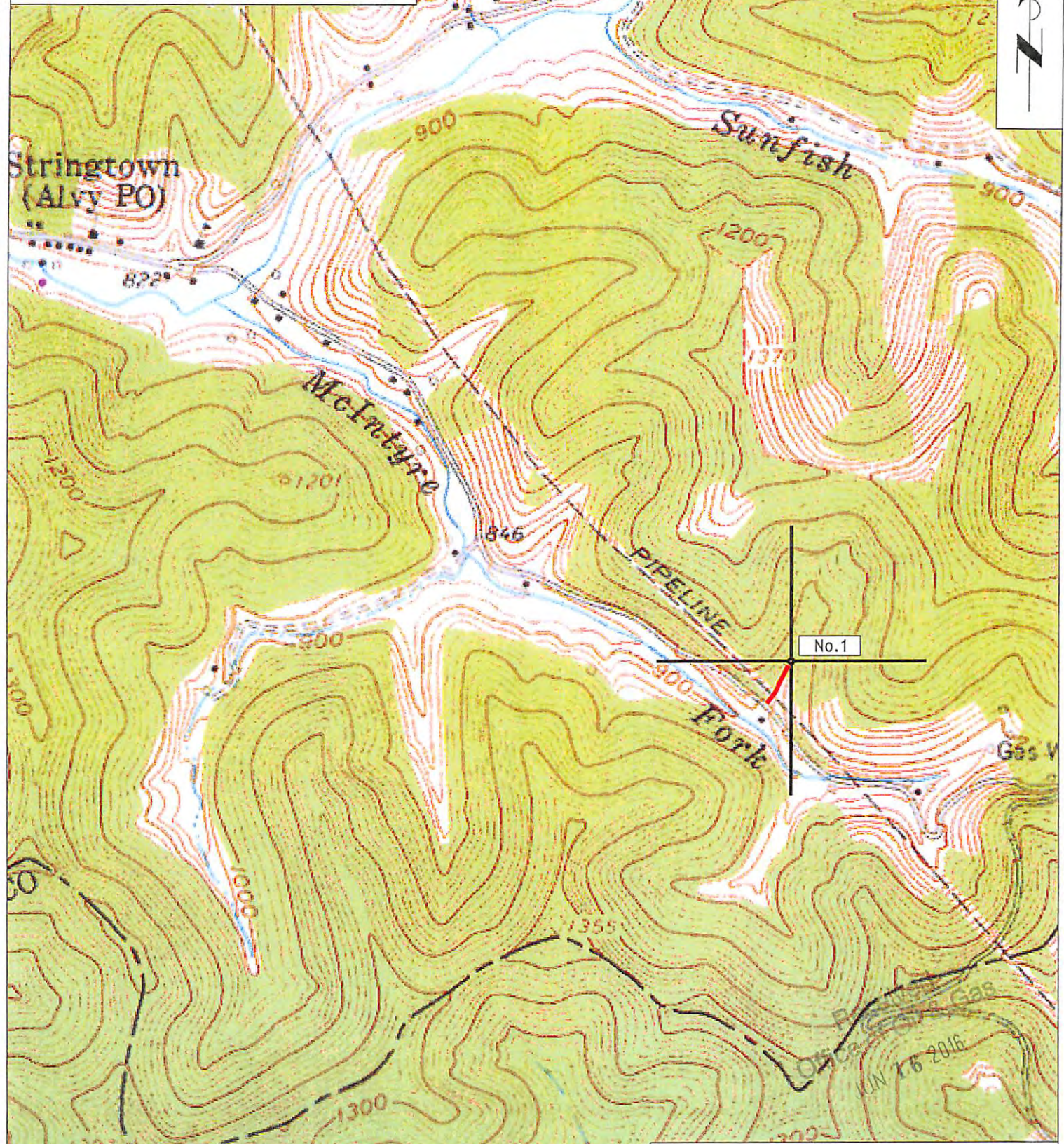
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JUN 16 2016

07/01/2016



SUBJECT WELL  
W.R. McIntyre No. 1  
47-095-2003



JB 6/17/16 Section of Dm 17  
6-7-16  
Centerpoint 7.5' Quadrangle  
SCALE 1"=1000' 07/01/2016

JUN 16 2016



West Virginia Department of Environmental Protection  
Office of Oil & Gas

**WELL LOCATION FORM: GPS**

API: 47- 095 - 2003 WELL NO: 1

FARM NAME: W.R. McIntyre No.1

RESPONSIBLE PARTY NAME: H.G. Energy, LLC

COUNTY: Tyler DISTRICT: McElroy

QUADRANGLE: Centerpoint 7.5'

SURFACE OWNER: Frank Simons

ROYALTY OWNER: Ascent Resources

UTM GPS NORTHING: 4,365,254 (NAD 83)

UTM GPS EASTING: 527,777 (NAD 83) GPS ELEVATION: 290 m. (951')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & 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	<input type="checkbox"/>	Post Processed Differential	<input type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>
Mapping Grade GPS	<input checked="" type="checkbox"/>	Post Processed Differential	<input checked="" type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>

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.

Diane White Diane C. White  
Signature

Designated Agent  
Title

May 26, 2016  
Date

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