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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

Austin Caperton , Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, February 07, 2018  
WELL WORK PERMIT  
Not Available / Plugging

PATCHWORK OIL & GAS LLC  
PO BOX 168

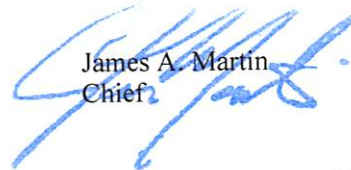
DAVISVILLE, WV 26142

Re: Permit approval for 1  
47-073-02577-00-00

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: 1  
Farm Name: E. GRANDON SNYDER IRREVOCABLE TRUST  
U.S. WELL NUMBER: 47-073-02577-00-00  
Not Available / Plugging  
Date Issued: 2/7/2018

Promoting a healthy environment.

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## 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.

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### 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.

WW-4B  
Rev. 2/01

1) Date December 28th, 2017  
2) Operator's Well No. E. Grandon Snyder #1  
3) API Well No. 47-073 - 02577

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 1135 Watershed French Creek  
District Washington County Pleasants Quadrangle St. Mary's (Raven Rock)

6) Well Operator Patchwork Oil & Gas, LLC 7) Designated Agent Roger L. Whited  
Address PO Box 168 Address PO Box 168  
Davisville, WV 26142 Davisville, WV 26142

8) Oil and Gas Inspector to be notified Name Cragin Blevins  
Address 1407 19th Street  
Vienna, WV 26105  
9) Plugging Contractor Name Patchwork Oil & Gas, LLC  
Address PO Box 168  
Davisville, WV 26142

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

**No well records. We will be using standard guidelines. See attachment**

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

Work order approved by inspector Derek M. Haught  
J Cragin Blevins Date 12/28/2017

WW-4B Work Order Attachment

47-073-02577 E. Grandon Snyder #1

No well records...use standard West Virginia plugging procedures

1. MIRU Service rig, pull rods and tubing out of hole (if any), clean hole to TD
2. Run 2 3/8 8rd tubing to a minimum of 50' below each producing pay zone, pump and set cement plug using Class A cement to a minimum of 50' above the producing pay zone, pump 6% gel ahead of cement. (Minimum 100' bottom plug)
3. Tag cement top to ensure plug meets minimum, add cement if necessary. Find free point on casing, cut and remove casing and pull out of hole.
4. Run 2 3/8 8rd tubing to a minimum of 50' below the cut casing. Pump and set cement plug using Class A Cement to a minimum of 50' above cut casing, pump 6% gel ahead of cement. (Minimum of 100' casing cut plug)
5. Tag cement top to ensure plug meets minimum, add cement if necessary.
6. Pull and set 2 3/8 8rd tubing a minimum of 50' below elevation depth. Pump and set cement plug with Class A Cement to a minimum of 50' above elevation depth, pump 6% gel ahead of cement. (Minimum 100' elevation plug)
7. Tag cement top to ensure plug meets minimum, add cement if necessary.
8. Pull and set 2 3/8 8rd tubing to a minimum of 100' below surface, pump Class A cement to surface. (Minimum 100' surface and fresh water strata plug)
9. Erect 3' x 6'' with identification and fill with cement. (6" CASING, 10' BELOW SURFACE AND 30 INCHES ABOVE, FILLED WITH CONCRETE)
10. RDMO service rig, all surface equipment and disposals.
11. Reclaim location and lease road.
12. Prepare release forms.

Note: 100' cement plug across any perforations or pay zones.

JCB 12/28/2017

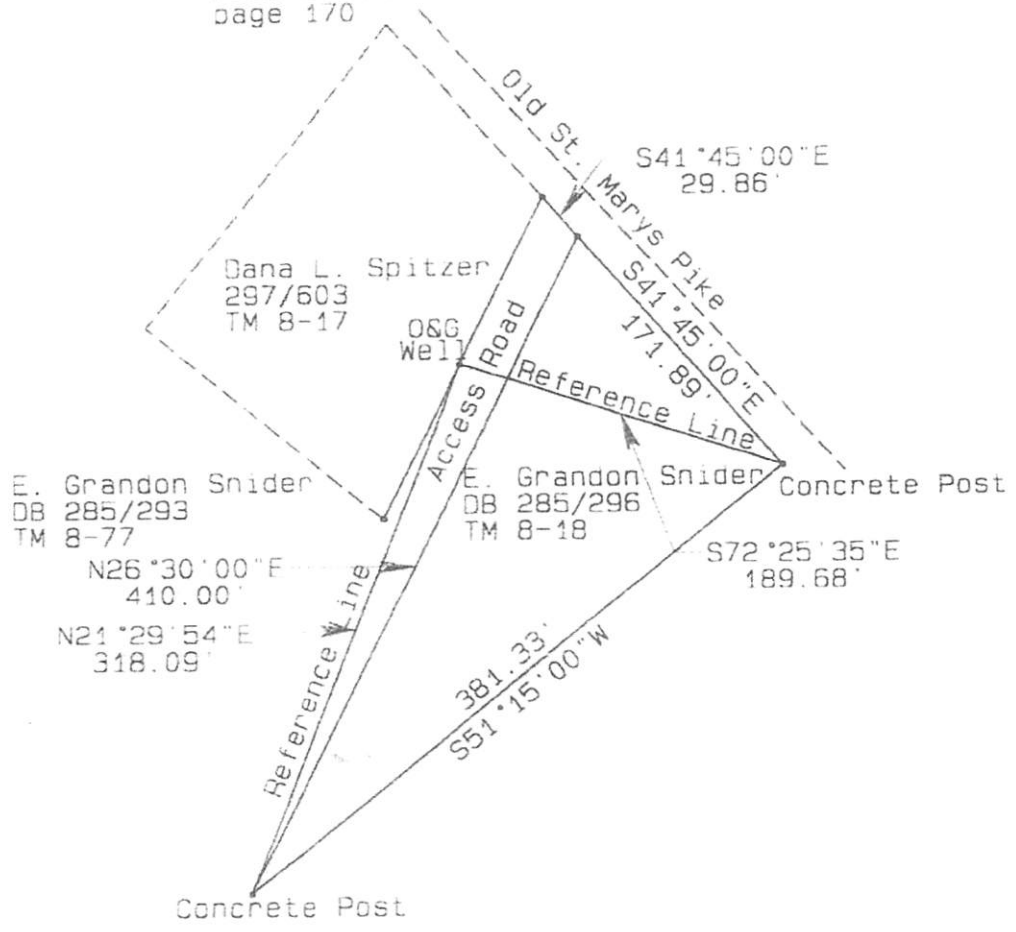
DMAH 12/28/17

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### Plat of Well Location

Being a non producing O&G Well located on E. Grandon Snider Washington District Sheet No. 8 Parcel No. 18 and 77 of the Tax Map and in Deed Book 285 at page 293 and 285 at page 296. Reference Plat located in Deed Book 136 at page 170



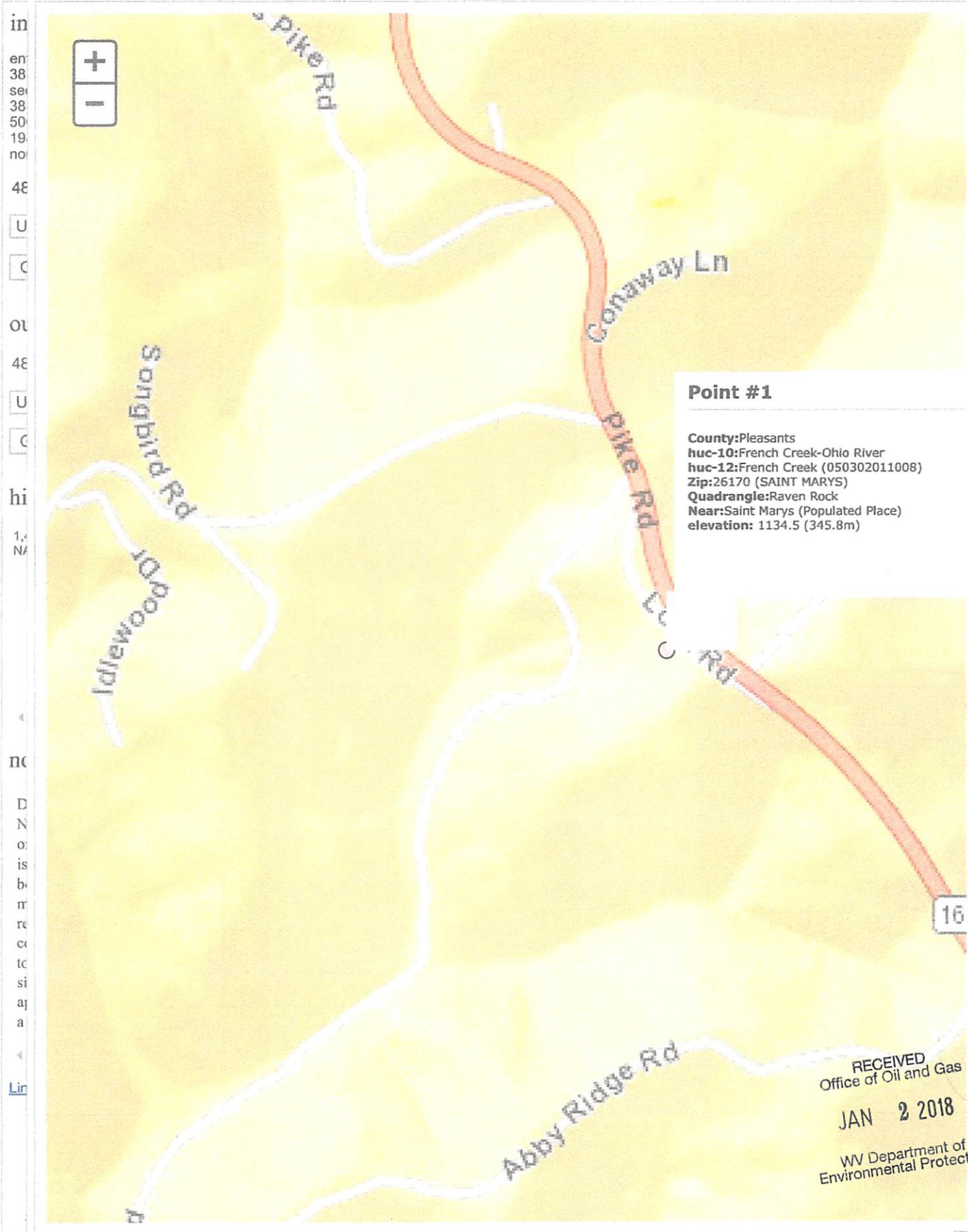
Scale: 1"=100	
Date: 10/23/2017	
Revised:	Drawn By:
Job:	Surveyor: <i>Pearley D Piper</i>

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clear markers  street map  image  topo

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WW-4A  
Revised 6-07

1) Date: December 27th, 2017  
2) Operator's Well Number  
E. Grandon Snyder #1

3) API Well No.: 47 - 073 - 02577

**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>Sue Ruth and Lori Couch</u>	Name _____
Address <u>81 East Benjamin Dr</u> ✓	Address _____
<u>New Martinsville, WV 26155</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Cragin Blevins</u>	(c) Coal Lessee with Declaration
Address <u>1407 19th Street</u>	Name _____
<u>Vienna, WV 26105</u>	Address _____
Telephone <u>304-382-5933</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 Patchwork Oil & Gas, LLC  
 By: [Signature]  
 Its: Managing Member  
 Address PO Box 168  
Davisville, WV 26142  
 Telephone 304-489-1500

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JAN 2 2018  
WV Department of  
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Subscribed and sworn before me this 28 day of December, 2017  
[Signature] Notary Public

My Commission Expires August 7, 2019

**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).



WW-9  
(5/16)

API Number 47 - 073 - 02577  
Operator's Well No. E. Grandon Snyder #1

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

Operator Name Patchwork Oil & Gas, LLC OP Code 494466991  
Watershed (HUC 10) French Creek Quadrangle St Mary's, (Raven Rock)

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 We use a Vac truck to handle all necessary fluids required in plugging.)

*JCB* 12/28/2017

*DMAH* 12/28/17

*ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFFSITE.*

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.

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 *Roger L. Whited*

Company Official (Typed Name) Roger L. Whited

Company Official Title Managing Member

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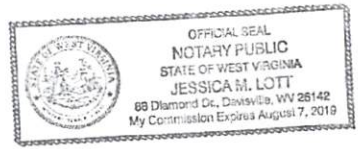
WV Department of Environmental Protection

Subscribed and sworn before me this 28<sup>th</sup> day of December, 20 17

*J. M. Lott*

Notary Public

My commission expires Aug. 7, 2019





73-02577 P

Form WW-9

Operator's Well No. E. Grandon Snyder #1

Proposed Revegetation Treatment: Acres Disturbed One (1) Prevegetation pH 5.5

Lime Two (2) Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 50 bales 2.5 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Orchard Grass	30%
		Rye (Annual & BT)	35%
		Timothy (Climax)	25%
		Clover (Med. Red)	10%

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: J Cragin Blevins Derek M. Haught

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

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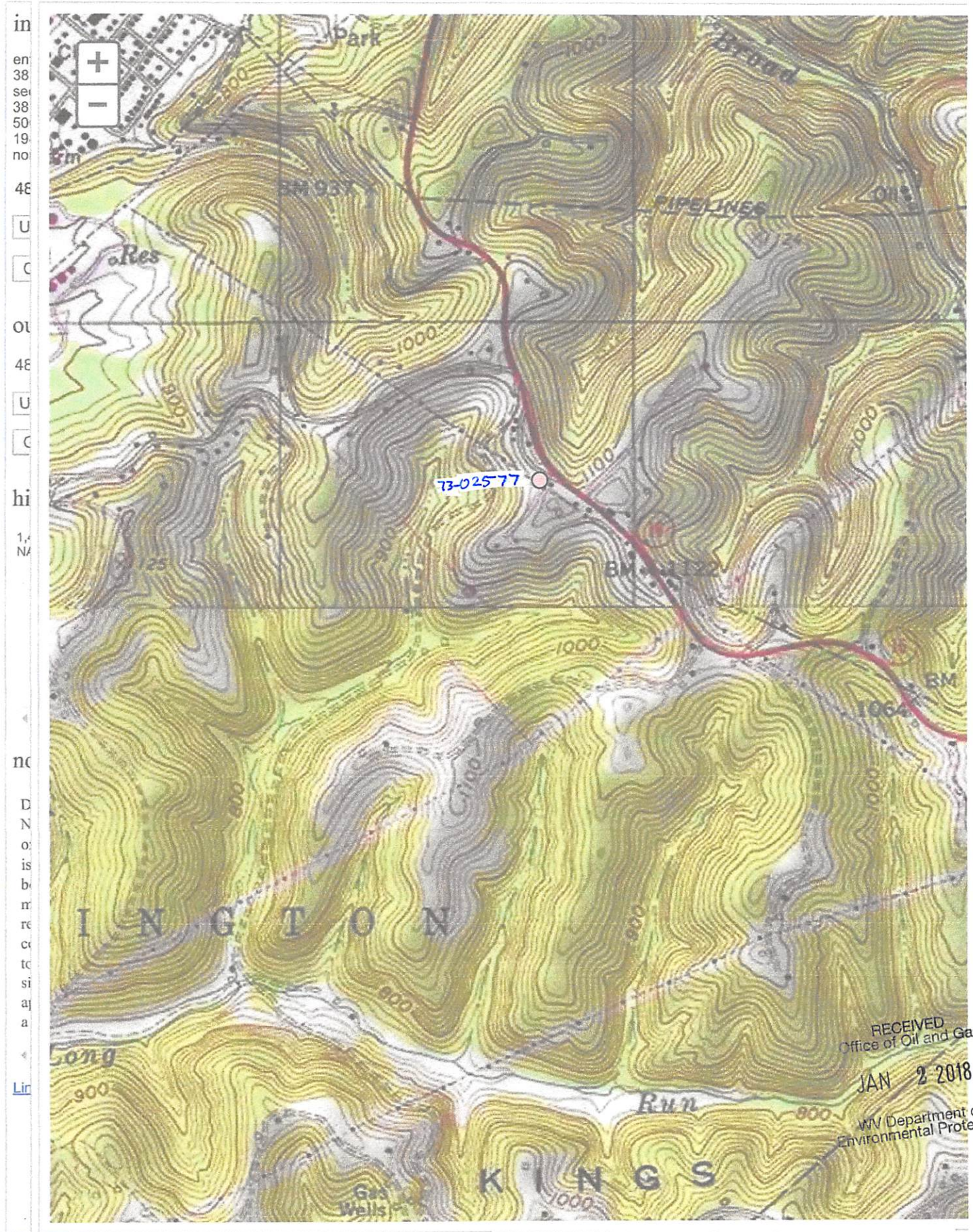
Title: Oil & Gas Inspector

Date: 12/28/2017

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Environmental Protection

Field Reviewed? ( X ) Yes ( ) No





clear markers  street map  image  topo



WW-7  
8-30-06



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

API: 47-073-02577 WELL NO.: #1  
 FARM NAME: E. Grandon Snyder Irrevocable Trust  
 RESPONSIBLE PARTY NAME: Patchwork Oil & Gas, LLC  
 COUNTY: Pleasants DISTRICT: Washington  
 QUADRANGLE: St. Mary's, (Raven Rock)  
 SURFACE OWNER: Sue Ellen Ruth (E. Grandon Snyder Irrevocable Trust)  
 ROYALTY OWNER: Sue Ellen Ruth (E. Grandon Snyder Irrevocable Trust)  
 UTM GPS NORTHING: ~~483752.0~~ 4358766.7  
 UTM GPS EASTING: ~~4358766.7~~ 483752.0 GPS ELEVATION: 1135'

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.**

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.

  
Signature

Managing Member

Title

December 28th, 2017

Date

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