



west virginia department of environmental protection

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

September 05, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4104357, issued to ENERVEST OPERATING L. L. C., 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: TAYLOR 2
Farm Name: TAYLOR, CLARICEY
API Well Number: 47-4104357
Permit Type: Plugging
Date Issued: 09/05/2014

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.

1) Date August 11, 2014
2) Operator's
Well No. Claricey Taylor #2
3) API Well No. 47-053 - 04357

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 1069' Watershed Hackers Creek
District Hackers Creek County Lewis Quadrangle Berlin (7.5) Weston (15)
- 6) Well Operator EnerVest Operating, L.L.C. 7) Designated Agent Barry K. Lay
Address 300 Capitol Street, Suite 200 Address Same
Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified Name Barry Stollings
Address 28 Confer Drive
Bridgeport, WV 26330
- 9) Plugging Contractor Name R. L. Wharton Enterprises LTD
Address 261 Shiloh Lane
Buckhannon, WV 26201

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

Mobilize equipment to site. Rig-up rig.

Cement 2528' 2200'
 Cement 1750' 1600'
 Cement 100' plug at 4 1/2 pipe free point
 Cement 1137' to ~~1000'~~ 967' covering elevation and bottom of 8 5/8
 6% gel 2528' to 0' **CEMENT 220' - SURFACE**
 Type 1 cement used in all plugs

gmm

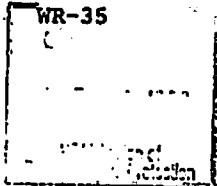
Erect a monument with the API number attached.

Note: Well records included.

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

Work order approved by inspector *Barry Stollings*

RECEIVED
 Office of Oil and Gas
 Date AUG 20 2014
 WV Department of
 Environmental Protection **09/05/2014**



13-Aug-98
API # 47- 41-04357

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

Well Operator's Report of Well Work

Farm name: TAYLOR, CLARICBY Operator Well No.: TAYLOR #2

LOCATION: Elevation: 1,069.00 Quadrangle: BERLIN

District: HACKERS CREEK County: LEWIS
Latitude: 15100 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude 10200 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: INTERSTATE DRILLING, INC.
RT 3 BOX 89-V
WESTON, WV 26452-9620

Agent: KENNETH L. POTE

Inspector: TIM BENNETT
Permit Issued: 08/13/98
Well work Commenced: 09/03/98
Well work Completed: 09/13/98
Verbal Plugging
Permission granted on: N/A
Rotary x Cable Rig
Total Depth (feet) 2528'
Fresh water depths (ft) 115'
Salt water depths (ft) N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	171'	0'	
8-5/8"	1017.55'	1017.55'	270 Skg.
4-1/2"		2402.95'	138 Skg.

Is coal being mined in area (Y/N)?
Coal Depths (ft): 138'-141'; 212'-215'

OPEN FLOW DATA

Producing formation Bayard Pay zone depth (ft) 2407'-2422'
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 805 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests --- Hours
 Static rock Pressure 900 psig (surface pressure) after 48 Hours

Second producing formation Fourth Sand; Fifth Sand Pay zone depth (ft) 2234'-2348'
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow • MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests --- Hours
 Static rock Pressure • psig (surface pressure) after --- Hours

*Co-mingled w/First Stage.

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: INTERSTATE DRILLING, INC.

By: Kenneth L. Pote, President
Date: October 1, 1998

LEW 4357

Interstate Drilling, Inc.
Taylor #2
47-041-04357

Details of Perforated Intervals, Fracturing or Stimulating, Physical Change

Bayard 2407'-2422'; 30 Holes; 16,280# 20/40; 75,000 SCF Nitrogen; 157 Bbls. S/L Fluid
Fifth Sand 2234'-2348'; 47 Holes; 16,860# 20/40; 75,000 SCF Nitrogen; 150 Bbls. S/L Fluid

Well Log

Record of Regular Formations

Formation	Color	Hard or Soft	Top	Bottom	Remarks
Earth			0'	05'	
Sand and Shale			05'	30'	
Sand			30'	35'	
Shale and Sand			35'	45'	
Sand			45'	138'	.25" Stream Water @ 80' 2" Stream Water @ 113'
Coal			138'	141'	
Sand and Shale			141'	212'	
Coal			212'	215'	
Sand and Shale			215'	285'	.50" Stream Water @ 270'
Sand			285'	327'	
Sand and Shale			327'	610'	1.75" Stream Water @ 668'
Red Rock			610'	658'	
Sand and Shale			658'	800'	
Sand			800'	971'	
Sand			971'	1475'	
Little Lime			1475'	1485'	
Sand and Shale			1485'	1525'	
Big Lime			1525'	1610'	
Big Injun			1610'	1722'	Gas Ck. @ 1719' - Oil Odor
Sand and Shale			1722'	1822'	
Gantz			1822'	1832'	
Sand and Shale			1832'	2316'	Gas Ck. @ 1844' - No Show
Fifth Sand			2316'	2332'	
Sand and Shale			2332'	2409'	Gas Ck. @ 2341' - 10/10 - 2" w/w
Bayard			2409'	2429'	
Sand and Shale			2429'	2528"TD	Gas Ck. @ 2434' - 10/10 - 2" w/w

WW-4A
Revised 6-07

1) Date: August 11, 2014
2) Operator's Well Number
Claricey Taylor #2

3) API Well No.: 47 - 041 - 04357

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>Donald Ward Taylor</u> <i>W</i>	Name _____
Address <u>1244 Buckhannon Run Rd.</u>	Address _____
<u>Buckhannon, WV 26201-8150</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>No Declaration of Record</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Barry Stollings</u>	(c) Coal Lessee with Declaration
Address <u>28 Confer Drive</u>	Name _____
<u>Bridgeport, WV 26330</u>	Address _____
Telephone <u>304-552-4194</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 EnerVest Operating, L.L.C.
 By: Barry K. Lay
 Its: Senior Vice President and General Manager, Appalachia West Assets
 Address 300 Capitol Street, Suite 200
Charleston, WV 25301
 Telephone 304-343-5505

Subscribed and sworn before me this 11th day of August, 2014

 Notary Public

My Commission Expires May 3, 2017

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



08/05/2014

4104357P



EnerVest Operating, L.L.C.
Eastern Division

1064 Old Route 33, Weston, WV 26452-7722
Phone (304) 517-1102 Fax (304) 517-1107

VIA CERTIFIED MAIL

August 13, 2014

Mr. Donald Ward Taylor
1244 Buckhannon Run Road
Buckhannon, WV 26201-8150

Re: Plugging Permit Claricey Taylor #2
API# 47-041-04357
Hackers Creek District, Lewis County, WV

Dear Surface Owner:

Pursuant to Chapter 22 of the West Virginia Code, enclosed please find copies of the following documents for the proposed plugging of the subject well:

- Form WW-7 Well Location Form: GPS
- Form WW-9 Construction and Reclamation Plan and Site Registration Application
- Form WW-4A Notice of Application to Plug and Abandon a Well
- Form WW-4B Application for a Permit to Plug and Abandon
- Surface Owner Waiver (2 copies)

This application is being filed by EnerVest with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. If you have no objections to the proposed process for the plugging of this well, please sign the Voluntary Statement of No Objection on the Surface Owner Waiver form and return it to the office in the enclosed envelope.

Comments as to the location construction or the proposed plugging of this well under the West Virginia Code, be filed by you with the said Administrator. The address of the filing comments and obtaining additional information is:

Permit Administrator
West Virginia Division of Environment
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com
OFFICIAL USE

Postage	\$	0.00	
Certified Fee	\$	2.30	07
Return Receipt Fee (Endorsement Required)	\$	2.70	
Restricted Delivery Fee (Endorsement Required)	\$	0.00	
Total Postage & Fees	\$	5.00	08/13/2014

Sent To Donald Ward Taylor
 Street, Apt. No., or PO Box No. 1244 Buckhannon Run Rd.
 City, State, ZIP+4 Buckhannon, WV 26201-8150

7007 2680 0002 2646 8888

09/05/2014

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. 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. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Monald Taylor</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery 8/14/14</p>
<p>1. Article Addressed to:</p> <p><i>Donald Wend Taylor</i> <i>1244 Buckhannon Rte Rd</i> <i>Buckhannon, WV 26201-</i> <i>8150</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article (Trans: 7007 2680 0002 2646 8888)</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name EnerVest Operating, L.L.C. OP Code 30-9999

Watershed Buckhannon Run of Hacker's Creek Quadrangle Berlin (7.5) Weston (15)

Elevation 1069' County Lewis District Hackers Creek

Description of anticipated Pit Waste: No Pit To Be Built

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:
 Land Application
 Underground Injection (UIC Permit Number _____)
 Reuse (at API Number _____)
 Off Site Disposal (Supply form WW-9 for disposal location)
 Other (Explain _____)

Proposed Work For Which Pit Will Be Used:
 Drilling Swabbing
 Workover Plugging
 Other (Explain No Pit To Be Built)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Barry K Lay*

Company Official (Typed Name) Barry K. Lay

Company Official Title Senior Vice President and General Manager, Appalachia West Assets

Subscribed and sworn before me this 11th day of August, 20 14

[Signature] Notary Public

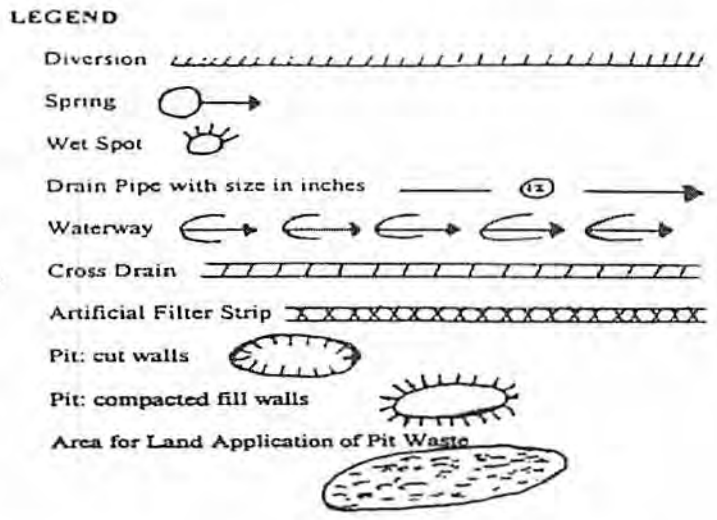
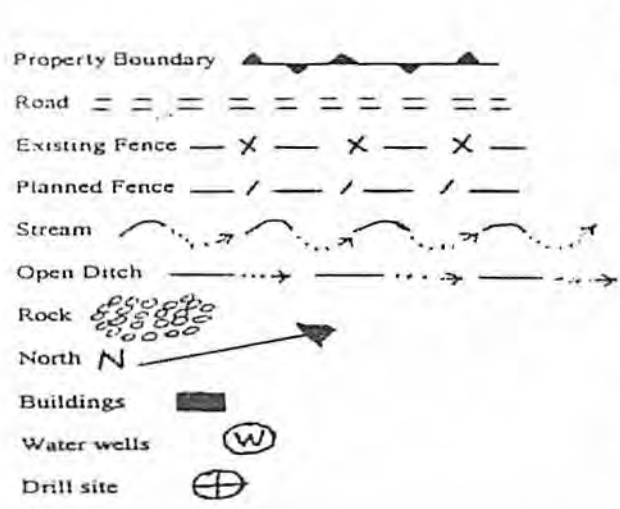
RECEIVED
Office of Oil and Gas

AUG 20 2014

My commission expires May 3, 2017



WV Department of
Environmental Protection
09/05/2014



Proposed Revegetation Treatment: Acres Disturbed 2.00 Prevegetation pH 6.5

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch Hay or Straw 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Orchardgrass	25	Orchardgrass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

Attach: Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

See Attached GPS Well Location Form: GPS WW-7

Plan Approved by: Benny Shillup

Comments: _____

RECEIVED
Office of Oil and Gas

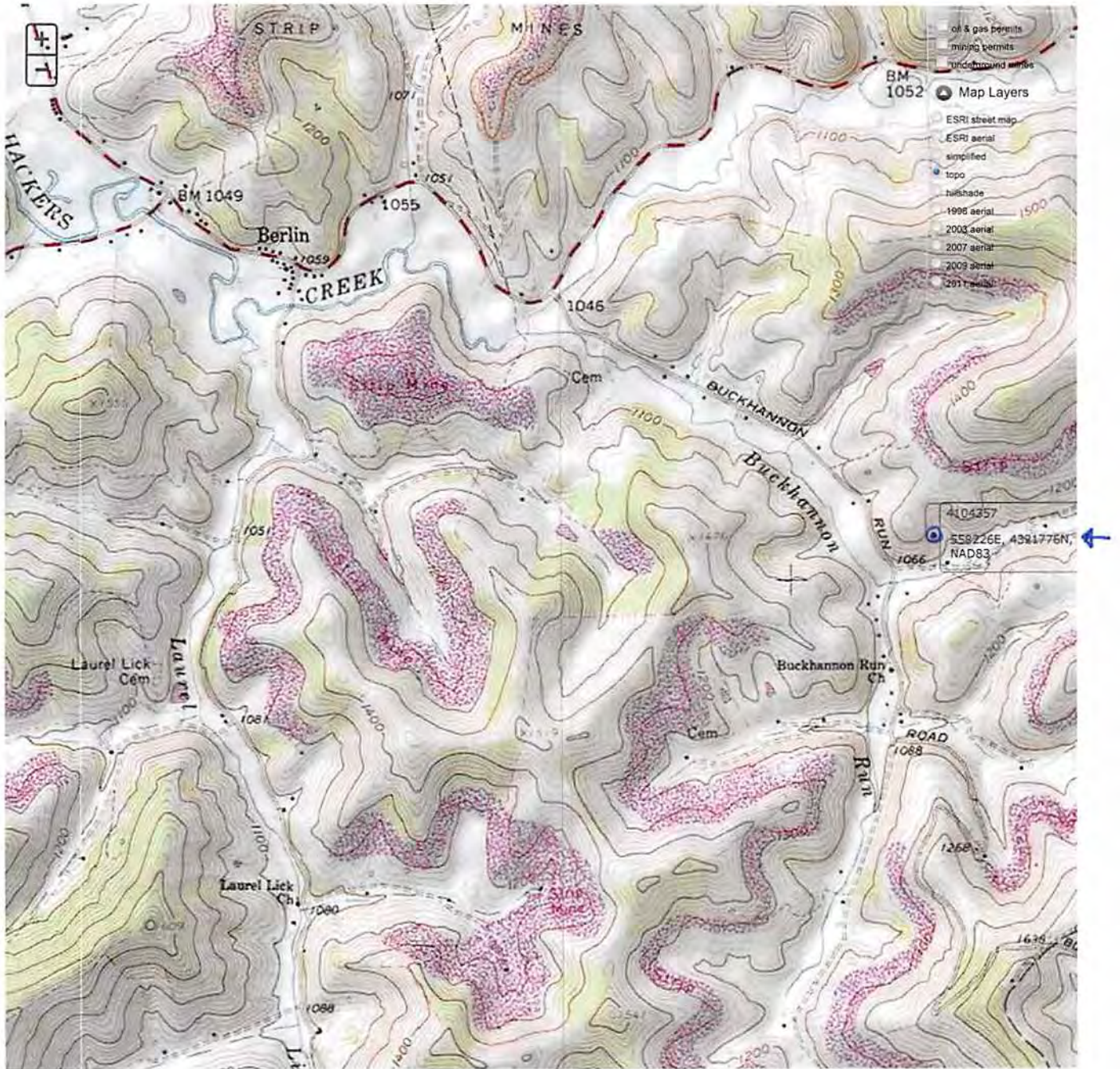
Title: inspector

Date: 8-13-14

AUG 20 2014

Field Reviewed? Yes No

WV Department of Environmental Protection



Measurement
Measurement Result

09/05/2014

