

#### 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 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Monday, June 19, 2017 WELL WORK PERMIT Not Available / Plugging

TRIAD HUNTER, LLC (A) 125 PUTNAM ST

MARIETTA, OH 45750

Re: Permit approval for HART COVE 1

47-073-02531-00-00

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: HART COVE 1

Farm Name: WV PULP & PAPER

U.S. WELL NUMBER: 47-073-02531-00-00

Not Available / Plugging

Date Issued: 6/19/2017

Promoting a healthy environment.

### **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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

#### **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.

WW-4B Rev. 2/01

1) Date <b>April 5th</b>	,	2017
2)Operator's	•	
Well No. Hart Cove #1		
3) API Well No. 47-073		<b>— 02531</b>

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

	OFFICE OF	OIL AND GAS
	APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4)	Well Type: Oil X / Gas X / Liqui	d injection/ Waste disposal/
		derground storage) Deep/ Shallow
5)	Location: Elevation 711'GL	Watershed Middle Ohio North (McKim Creek)
	District McKIm	County Pleasants Quadrangle Ellenboro
6)	Well Operator Triad Hunter	7)Designated Agent Kim Arnold
0,	Address 125 Putnam St.	Address P.O Box 154
	Marietta, OH 45750	Waverly, WV 26184
8)	Oil and Gas Inspector to be notified	
	Name Derek Haught	Name Patchwork Oil & Gas, LLC
	Address PO Box 85 Smithville, WV 26178	Address PO Box 168
	Simulvine, VVV 20178	Davisville, WV 26142
	See attached	

06/23/2017

REGEIVED
Office of Oil and Gas

MAY 1 1 2017

WV Department of Environmental Protection

#### **OPEN HOLE**

- 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 the 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.
- 10. RDMO service rig, all surface equipment and disposals.
- 11. Reclaim location and lease road.
- 12. Prepare release forms.

7/14 5-4-17



MAY 1 1 2017

WV Department of Environmental Protection

### WVGES O&G Record Reporting System

Page 1 of 1



Select datatypes: (Check All) ☑ Location Enter Permit # 02531 ✓ Owner/Completion ✓ Stratigraphy ✓ Sample ✓ Pay/Show/Water ✓ Logs ✓ Btm Hole Loc Get Data Reset

WV Geological & Economic Survey

Well: County = 73 Permit = 02531

Report Time: Tuesday, February 28, 2017 8 07:12 AM

 Location Information:
 View Map

 [AP]
 COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD 15 LAT DD LON DD UTME 4707302531
 LON DD UTME UTMN St. Marys 39.373176 -81.117332
 UTMN 489893 6 4358198 2

There is no Bottom Hole Location data for this well

Owner Information:

API CMP\_DT SUFFIX STATUS SURFACE\_OWNER WELL\_NUM CO\_NUM LEASE LEASE\_NUM MINERAL\_OWN OPERATOR\_AT\_COMPLETION PROP\_VD PROP\_TRGT\_FM TFM\_EST\_PR 4707302531 4-4- Original Loc Completed West Virgina Pulp & Paper 1 Hart Cove Paul Smith et ux Triad Resources, Inc.

Completion Information:

API CMP\_DT SPUD\_DT ELEV DATUM FIELD DEEPEST\_FM DEEPEST\_FMT INITIAL\_CLASS FINAL\_CLASS TYPE

1/4/07/302/531 1-4/- -4/- 711 Ground Level not available

Comment: -4/- N well CMP MTHD TVD TMD NEW FTG G BEF G AFT O BEF O AFT

There is no Pay data for this well

API	PRODUCING OPERATOR	PRD_YEAR	ANN GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4707302531	Triad Hunter LLC	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4707302531	Triad Hunter LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4707302531	Triad Hunter LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4707302531	Triad Hunter LLC	2014	16	.0	0	0	0	3	3	2	1	3	1	2	1
4707302531	Triad Hunter LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0

Production	Oil Information: (Volum	es in Bbl)	" some	opera	ators	may	nave	repo	rted I	NGL	unde	r Oil			
API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DCM
4707302531	Triad Hunter LLC	2011	2	0	0	0	0	0	0	0	0	0	0	0	2
4707302531	Triad Hunter LLC	2012	3	0	0	0	0	0	0	0	0	0	0	. 0	3
4707302531	Triad Hunter LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4707302531	Triad Hunter LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4707302531	Triad Hunter LLC	2015	0	0	0	0	D	0	0	0	0	0	0	0	- 0

Production	NGL Information: (Volu	mes in Bbl)	" some	ope	rators	s may	hav	e rep	orted	NG	_ und	er Oi			
API	PRODUCING OPERATOR	PRD YEAR	ANN NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4707302531	Triad Hunter LLC	2013	0	0	0	0	0	0	0	0	.0	0	0	0	0
4707302531	Triad Hunter LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4707302531	Triad Hunter LLC	2015	0	-0	0	- 0	0	0	0	0	0	0	0	. 0	0

There is no Stratigraphy data for this well

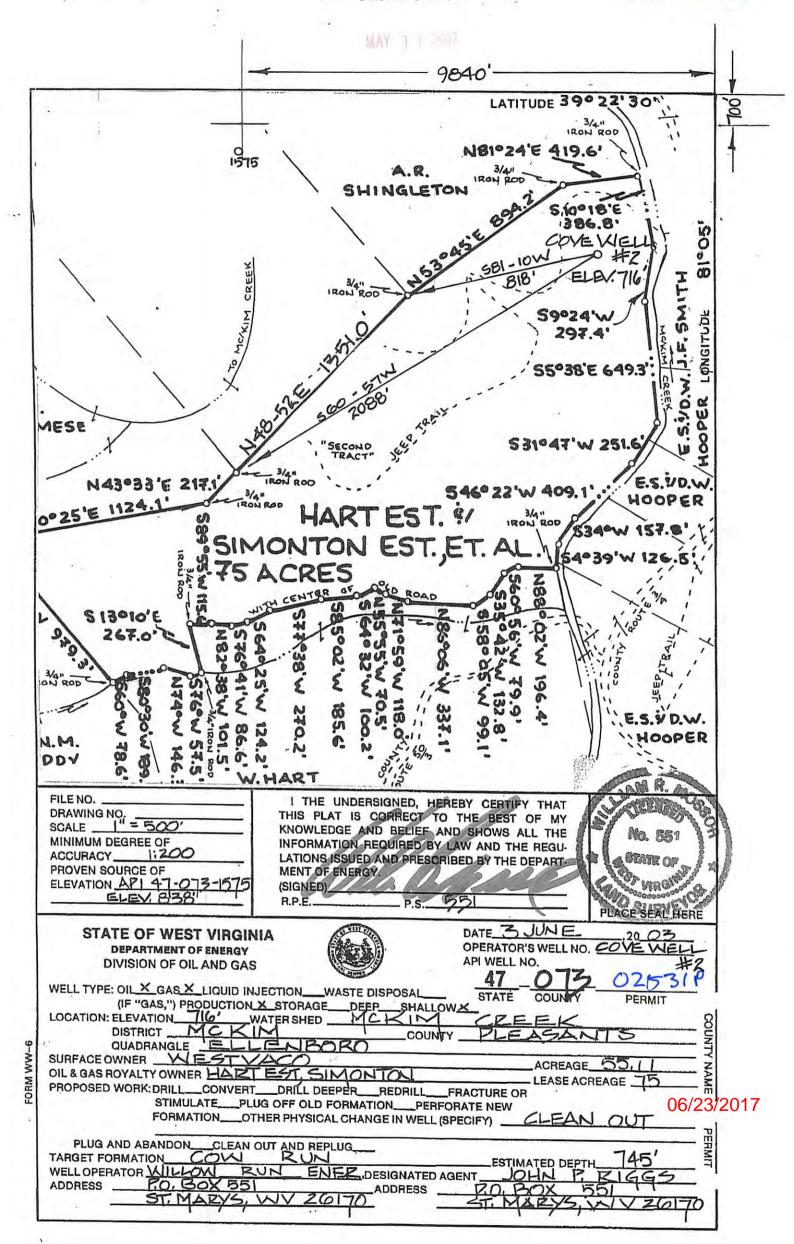
There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

Office of Oil and Gas MAY 1 1 2017

WV Department of Environmental Protection



WW-4A Revised 6-07

1) Date: APRIL 5TH, 2017 2) Operator's Well Number HART COVE #1

3) API Well No.: 47 -

# STATE OF WEST VIRGINIA

4)		ner(s) to be served:		5) (a) Coal Operator
	(a) Name	Heartwood Forestland Fund IV Li	mited Partnership	Name
	Address	3001 Emerson Ave.		Address
		Parkersburg, WV 26105		
	(b) Name			(b) Coal Owner(s) with Declaration
	Address	_		Name
				Address
	(c) Name			Name
	Address	-		Address
6) I	nspector	Derek Haught		(c) Coal Lessee with Declaration
	Address	PO Box 85		Name
		Smithville, WV 26178		Address
	Telephone	304-206-7613		
	well i (2) The p	ts and the plugging work lat (surveyor's map) show	order; and ing the well loo s is that you have	You should have received this Form and the following documents:  on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work lat (surveyor's map) show you received these document ou are not required to take any that under Chapter 22-6 of the ing documents for a permit to with respect to the well at the	order; and ing the well loc ing the well loc is is that you have action at all. In the West Virginia plug and abandor location describe mailed by register.	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work clat (surveyor's map) show you received these document ou are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been unstances) on or before the date.	order; and ing the well loc ing the well loc is is that you have action at all.  The West Virginia plug and abandor location describe mailed by registery of mailing or describer or describer of mailing or describer or describe	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  The Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in lelivery to the Chief.
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work clat (surveyor's map) show you received these document on are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been imstances) on or before the data.	order; and ing the well loc is is that you have action at all.  The West Virginia plug and abandor location describe mailed by registery of mailing or describe well Operat	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work clat (surveyor's map) show you received these document on are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been emstances) on or before the data.	order; and ing the well loc ing the well loc is is that you have action at all.  The West Virginia plug and abandor location describe mailed by registery of mailing or describer or describer of mailing or describer or describe	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in delivery to the Chief.
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work clat (surveyor's map) show you received these document on are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been emstances) on or before the data.	order; and ing the well loc is is that you have action at all.  The West Virginia plug and abandor location describe mailed by register by of mailing or described well Operat By:  Its:	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in the letter to the Chief.  Triad Hunter, LLC  Mike Horan  Mathematical Mathematical Application and describes the cation of the particle in the content of the content
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work clat (surveyor's map) show you received these document on are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been emstances) on or before the data.	order; and ing the well loc is is that you have action at all.  The West Virginia plug and abandor location describe mailed by registery of mailing or described by the well Operator By:	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in delivery to the Chief.  Triad Hunter, LLC  Mike Horan  Senior V.P Appalachian Operations
	well is (2) The p The reason However, ye Take notice accompany Protection, the Applica	ts and the plugging work clat (surveyor's map) show you received these document ou are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been unstances) on or before the da	order; and ing the well loc is is that you have action at all.  The West Virginia plug and abandor location describe mailed by register by of mailing or described well Operat By:  Its:	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and an a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental and the on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in delivery to the Chief.  Triad Hunter, LLC  Mike Horan  Senior V.P Appalachian Operations  125 Putnam Street
	well is (2) The property of the reason However, you have notice accompany Protection, the Applica certain circular certain ci	ts and the plugging work lat (surveyor's map) show you received these document on are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been emstances) on or before the days where the days were the days where the da	order; and ing the well looks is that you have action at all.  The West Virginia plug and abandor location describe mailed by registery of mailing or described by the second by:  Its: Address Telephone	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and an a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental led on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in lelivery to the Chief.  Triad Hunter, LLC  Mike Horan  Senior V.P Appalachian Operations  125 Putnam Street  Marietta, OH 45750  740-374-2940  day of April Public Pamela K. Nicholson, Notary Public and For The State of Ohio
	well i (2) The p The reason However, ye Take notice accompany Protection, the Applica certain circu	ts and the plugging work lat (surveyor's map) show you received these document on are not required to take any that under Chapter 22-6 of the ng documents for a permit to with respect to the well at the tion, and the plat have been emstances) on or before the days where the days were the days where the da	order; and ing the well local ing the well local ing that you have action at all. The West Virginia plug and abandor location describe mailed by registery of mailing or described by the Well Operated By:  Its: Address Telephone	on Form WW-4B, which sets out the parties involved in the work and describes the cation on Form WW-6.  The rights regarding the application which are summarized in the instructions on the reverses side.  Code, the undersigned well operator proposes to file or has filed this Notice and Application and on a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental red on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, tered or certified mail or delivered by hand to the person(s) named above (or by publication in delivery to the Chief.  Triad Hunter, LLC  Mike Horan  Senior V.P Appalachian Operations  125 Putnam Street  Marietta, OH 45750  740-374-2940  day of April Pamela K. Nicholson, Notary Publication in Pamela K.

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.

06/23/2017

REGEIVED Office of Oll and Gas

MAY 1 1 2017

WV Department of Environmental Protection

WW-9 (5/16)

API Number 47 - 073 \_02531 Operator's Well No. Hart Cove #1

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

	E & RECEIVITION TEN
Operator Name_TRIAD HUNTER, LLC	OP Code 494494833
Watershed (HUC 10) OUTLET MIDDLE ISLAND CREEK	
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 co	
Underground Injection (UIC Permit Num Reuse (at API Number	mber)
Off Site Disposal (Supply form WW-9 form Carplain_Fluids will be disposed of the Carpl	or disposal location)  f by plugging contractor  ALL WELL EFFLUENT MS  BL DIS POSED OF OFF-SITE,
Will closed loop systembe used? If so, describe: Yes, all flowbac	k materials will be contained in a portable pit
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 offsi	
-If left in pit and plan to solidify what medium will be used	
Permittee shall provide written notice to the Office of Oil and Gas o West Virginia solid waste facility. The notice shall be provided with where it was properly disposed.	
on April 1, 2016, by the Office of Oil and Gas of the West Virginia provisions of the permit are enforceable by law. Violations of any to or regulation can lead to enforcement action.	erm or condition of the general permit and/or other applicable law mined and am familiar with the information submitted on this natury of those individuals immediately responsible for obtaining and complete. I am aware that there are significant penalties for
Company Official Title Senior V.P Appalachian Operations	
Subscribed and sworn before me this 25th day of Amula Duchala	, 20 17 Notary Public
My commission expires 8-9-2020	(O) VIII
PERSIVED	Parnela K. Nicholson, Notary In and For The State of O My Commission Expires

Office of Oil and Gas

MAY 1 1 2017

WV Department of **Environmental Protection** 

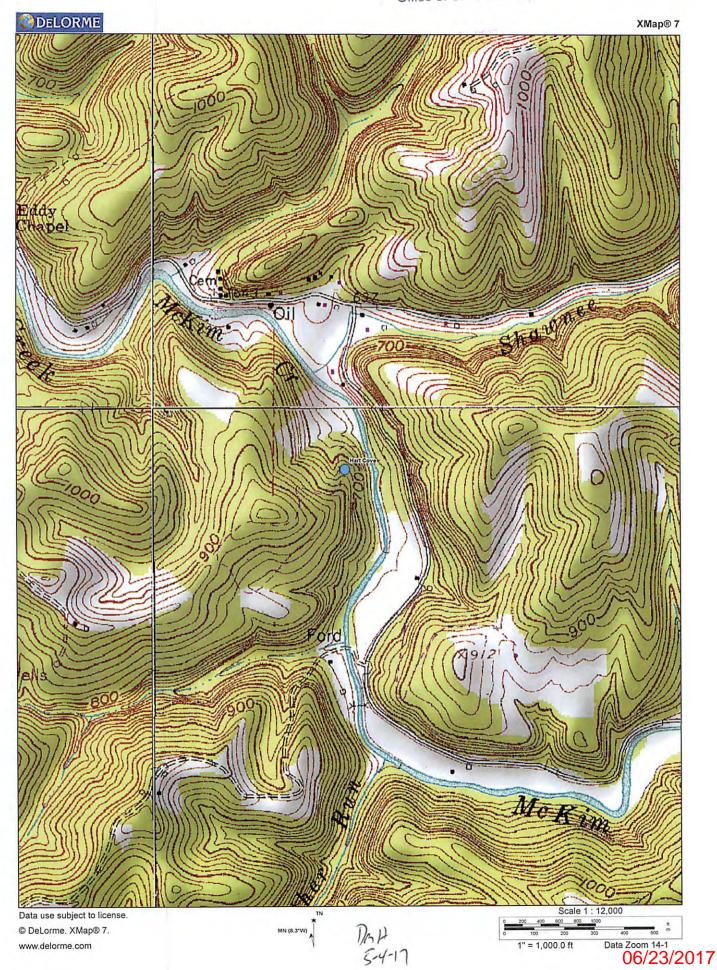
ublic hio

sed Revegetation Treatment: Acres Disturbed One (1)	Preveg etation pH 5	.5
Lime Two (2) Tons/acre or to correct to pH		
Fertilizer type 10-20-20		
	/acre	
rettinzer attiount		
Mulch (50 bales) 2.5 Tons/ac	re	
Seed	<u>Mixtures</u>	
Temporary	Permaner	nt
Seed Type lbs/acre	Seed Type	lbs/acre
•	Orchard Grass	30%
	Rye (Annual & BT)	35%
	Timothy (Climax)	25%
ch: os(s) of road, location, pit and proposed area for land applica rided). If water from the pit will be land applied, provide wa W), and area in acres, of the land application area.	Clover (Med. Red)	g this info ha
is(s) of road, location, pit and proposed area for land applica rided). If water from the pit will be land applied, provide wa	Clover (Med. Red)	10%  g this info hav  , D) of the pit
is(s) of road, location, pit and proposed area for land applicated). If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.	Clover (Med. Red)	g this info hav
s(s) of road, location, pit and proposed area for land applica rided). If water from the pit will be land applied, provide waw, and area in acres, of the land application area.	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info hav
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info ha
as(s) of road, location, pit and proposed area for land application. If water from the pit will be land applied, provide waw, and area in acres, of the land application area.  tocopied section of involved 7.5' topographic sheet.  Approved by:	Clover (Med. Red) tion (unless engineered plans includinter volume, include dimensions (L, W	g this info ha

BEGEIVES 23/2017
Office of Oil and Gas

MAY 1 1 2017

WV Department of Environmental Protection



WW-7 8-30-06



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

WELL NO.: Hart Cove #1 API: 47-073-02531 FARM NAME: WV Pulp & Paper RESPONSIBLE PARTY NAME: Triad Hunter, LLC COUNTY: Pleasants

QUADRANGLE: Ellenboro (75) SURFACE OWNER: Heartwood Forestland Fund IV Limited Partnership ROYALTY OWNER: UTM GPS NORTHING: 489893.6 - UTM GPS EASTING: 4358196.2

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

5 10110	wing 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	BESCHIER
3.	Data Collection Method:	BEDEIVER
Surv	ey grade GPS: Post Processed Differential	Office of Oil and Gas
	Real-Time Differential	MAY 1 1 2017
Map	ping Grade GPS X : Post Processed Differential X	WV Department of
	Real-Time Differential	Environmental Protection
4.	Letter size copy of the topography map showing the	
he unc	dersigned, hereby certify this data is correct to the best of t	ny knowledge and

belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

It Hora V. P. Operations 4/24/17
Title Date