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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

December 13, 2013

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-9500534, issued to TRIAD HUNTER, 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: B.F. HAWKINS #7  
Farm Name: MARTIN, RONALD D. & SANDR/  
**API Well Number: 47-9500534**  
**Permit Type: Plugging**  
Date Issued: 12/13/2013

# 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.

CK 27699  
10000

9500534P

WW-4A  
Revised 6-07

1) Date: September 19, 2013  
2) Operator's Well Number B.F. Hawkins # 7 ( 50 ac. )

3) API Well No.: 47 - 095 - 0534

**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>Ronald D. and Sandra S. Martin</u> ✓	Name <u>N/A</u>
Address <u>RR 5 Box 343 Chase Lane</u>	Address _____
<u>Moundsville, WV 26041</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>497 Claylick Road</u>	Name <u>N/A</u>
<u>Ripley, WV 25271</u> JS	Address _____
Telephone <u>( 304 ) 380-7469</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 Triad Hunter LLC

By: Rocky Roberts *Rocky Roberts*

Its: Senior VP Appalachian Operations

Address 125 Putnam Street

Marietta, Ohio 45750

Telephone ( 740 ) 374-2940

Subscribed and sworn before me this 24th day of September 2013

Elizabeth R. Tebay Notary Public

My Commission Expires 2-29-16



**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).

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7006 0100 0003 5664 1416

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Sent To: Ronald and Sandra Martin  
 Street, Apt. No., or PO Box No.: RR 5 Box 343 Chase Lane  
 City, State, ZIP+4: Moundsville WV 26041

PS Form 3800, June 2002 See Reverse for Instructions

WW-4B  
Rev. 2/01

1) Date September 19, 2013  
2) Operator's  
Well No. B.F. Hawkins # 7 (50 ac.)  
3) API Well No. 47-095 - 0534

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 X / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_ /  
(If "Gas, Production \_\_\_\_\_ or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ / Shallow X
- 5) Location: Elevation 953' Watershed Elk Fork  
District Ellsworth 02 County Tyler 95 Quadrangle Porters Falls SH
- 6) Well Operator Triad Hunter LLC 7) Designated Agent Kimberly Arnold  
Address 125 Putnam Street Address P.O. Box 154  
Marietta, Ohio 45750 Waverly, WV
- 8) Oil and Gas Inspector to be notified Name Joe Taylor  
Address 497 Claylick Road  
Ripley, WV 25271
- 9) Plugging Contractor Name \_\_\_\_\_  
Address \_\_\_\_\_

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

( SEE ATTACHMENT )

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

Work order approved by inspector \_\_\_\_\_

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PLUGGING PROCEEDURE

ELK FORK FIELD

Ellsworth District, Tyler County

1. MIRU service rig, dig flow back pit, and remove pumping unit if necessary.
2. Pull tubing and rods OOH and clean hole to total depth.
3. Run 2 3/8" 8rnd tubing to the base of the shot hole or pay zone.
- ★ 3a. 4. **Mix/Pump 75 sacks Class A Cement, ¼ lb. flocele/sk., 1% CaCl**, through the tubing into the shot hole ( **Plug # 1 – 88.5 cu.ft.**  ).
5. Pull tubing up to 1,000 feet and shut down for the day.
6. Lower tubing and tag the top of the cement plug. Mix additional cement to cover the shot hole if necessary.
7. Pull casing ( 5 3/16", 6 ¼", **6 5/8"** )OOH, or cut-off / shoot apart casing around 500 feet above the Keener Formation or pay zone and pull it OOH.
8. RIH with 2 3/8" 8rnd tubing to the top of the cut-off casing or 500 feet above the Keener Fm./pay-zone.
9. **Mix/Pump 60 sacks Class A Cement, ¼ lb. flocele/sk., 1% CaCl** through the tubing into the annulus ( **Plug # 2 – 68 cu.ft., 200' lin. ft.**  ).
10. Pull tubing up-hole to set surface hole plug as follows: ( Assume Hole Size = 10" )
 

( Elevation )	(Plug Depth )	( Cement Required )	( Cubic Feet )
Below 800 feet	100'	50 sacks	54.5
800' to 900'	150'	70 sacks	82.0
900' to 1,000'	200'	95 sacks	109.0
Over 1,000 feet	250'	116 sacks	136.5
11. **Mix/Pump ( Plug # 3 ) the surface hole plug with Class A Cement, ¼ lb. flocele/sk., 1% CaCl**, through the tubing until cement is circulated to surface. Pull tubing OOH.
12. **Top load hole with Class A Cement** and install monument casing so that it is 3' above ground level.
13. Weld identification plate on monument pipe and fill monument pipe with Class A Cement.
14. RDMO service rig and surface equipment.
15. Reclaim well site and lease road.

Note! Mix / Pump gel spacers between all cement plugs.

*[Handwritten signature]*  
10-2-13

★ IT APPEARS THERE IS 1740' OF 6 5/8" CASING AND 1735' OF 5 3/16" SET ON A PACKER.  
 ADD STEP 3a) PULL 1735' OF 5 3/16" IF NOT POSSIBLE, CUT OFF / SHOOT 5 3/16" ABOVE PACKER (1735') AND POOH.

CONTINUE TO STEP 4.

JNM  
12/13/2013

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9500534P

00 & G DOCUMENT

000037

95-0534

LEASE NO. 740 ACRES 100 FARM NAME W. F. Hawkins H.No. 1953 WELL NO. 7

N. 7 S. E. W. 13 Location Made Purchased From H.C. & R.  
 Civil District Ellsworth Rig Completed Date Purchased 3-1-43  
 County Tyler Dr'g Commenced 9-7-97 Sold To  
 State Va. Dr'g Completed 9-30-97 Date Sold  
 GAS Oil Rights Owned By Dr'g Contractor Date Abandoned

FORMATION				CASING RECORD					
Kind	Top	Bottom	Seal Loss Meas.	Test.	Size	Bottom Casing Steel Line	Set in Well Tally Meas.	Pulled Tally Meas.	Cemented
					10"		193	193	Date
					8 1/2"		1077	1077	Size Csg.
					6-5/8"		1710		Top "
				9-12-64	1-7/8"		1743	1775	Bot. "
					2" Tbg.		1842		
					5-1 1/2"		1735		
Oil	1820								
Gas	1809								

PACKERS AND SHOES

Kind	Size	Depth Set	Date Set
0.75" S. H.V. Pkr.	6-5/8" - 1-7/8"	1743	8-31-20 P.
	1-7/8" - 2 1/2"	1735	8-11-64

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
10-1-97	5				
11-18-97	10				
11-25-97	15				
12-13-97	20				
1-21-98	30				
10-28-98	60		1811	1831	
10-30-98	20	3 1/2" x 1 1/2"	1825	1835	

Total Depth 1852

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	Size	Kind	Depth

Max 19, 1989

Initial Prod. Sand \* At Completion \* 30 Days After \*  
 Oil Koener  
 Gas

APPROVED

Supt. \_\_\_\_\_

\* Oil in Storage p. 20 of 2

TESTS, REPORTS AND REMARKS ON REVERSE SIDE

47-095-0534

Elev. 953		H.No. 3613	
LEASE NO. 742	ACRES 50	FARM NAME B. F. Hawkins	WELL NO. 7
N. 7 S. E. W. 13	Location Made	Purchased From H.C.&R.	
Civil District Ellsworth	Rig Completed	Date Purchased 3-1-43	
County Tyler	Dr'g Commenced	Sold To	
State W.Va.	Dr'g Completed	Date Sold	
GAS OIL Rights Owned By	Dr'g Contractor	Date Abandoned	

FORMATION				CASING RECORD					
Kind	Top	Bottom	Steel Line Meas.	Tests	Size	Bottom Casing Steel Line	Put in Well Tally Meas.	Pulled Tally Meas.	Cemented
					8 1/2"		1140		Date
					6-5/8"		1730		Size Csg.
					5-3/16"		1717	1717	Top "
					5 3/16	1727	1747		Bot. "
					5" Liner 90'-5"				

PACKERS AND SHOES			
Kind	Size	Depth Set	Date Set
H.W.Packer	6-5/8"x5-3/16"	1720	
Parmao H.W.	6 7/8"x5 3/16"x16"	1730	3-19-52

TORPEDO RECORD						
Date	No. Qts.	Size Shell	Top Shot	Bottom	Results	

DRILLING DEEPER				
Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD					
Filled With	From	To	PLUG		
			Size	Kind	Depth

Initial Prod.	Sand	* At Completion	* 30 Days After	*
Oil	Keener			
Gas				

APPROVED

Supt.

TESTS, REPORTS AND REMARKS ON REVERSE SIDE

Keener  
Oil  
Oil

1846  
1856  
1863

Total Depth 1875

\* Oil in Barrels  
\* Gas in M. Cu. Ft.

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000035

00 & G Document

9500534P

FORM-WR-6

INSTRUCTIONS

- 1) Attach a photo copy of the location of the well on a 7.5 minute Quadrangle with the corresponding Longitude and Latitude.
- 2) Designate the location of the well with the symbol (+).

5400'  
39° 32' 30"

80° 50' 00"  
3150'



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief.

SIGNED \_\_\_\_\_  
TITLE \_\_\_\_\_

DATE May 19, 19 89  
OPERATORS WELL NO. B.F. Hawkins #7  
API WELL NO. 47-095-0534

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS" PRODUCTION STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)

LOCATION: ELEVATION 918 WATER SHED EIK Fork  
DISTRICT Elkworth COUNTY Tyler  
QUADRANGLE \_\_\_\_\_

SURFACE OWNER Stanley Lemsters ACREAGE 50/100

OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE 50/100  
LEASE NO. \_\_\_\_\_

PRODUCING FORMATION Keener TOTAL DEPTH 1852

WELL OPERATOR Petro Eagle DESIGNATED AGENT Paul G. Beckram

ADDRESS 412 Third Street ADDRESS Same  
MARIETTA, OHIO  
45750

Page 2

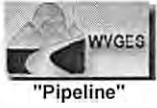
Porters Falls ?

## (Well Information)

ELK FORK FIELD

Permit Number: 47-095-~~XXXX~~<sup>0534</sup> Well Name: B.F. HAWKINS #7 (50 AC)  
 District: Ellsworth County: Tyler  
 Date Drilled: N/A Total Depth: 1875' Elevation: 953'  
 Producing Zone: Keener Shot Hole Depth: NO RECORD  
 Casing Depths: 10" \_\_\_\_\_ 8 1/4" 1140' Tubing Depth: 2" \_\_\_\_\_  
                   6 5/8" 1730' 6 1/4" \_\_\_\_\_  
                   5 3/16" 1747' 4 7/8" \_\_\_\_\_  
 Remarks: 5 3/16" set on PARMACO Packer @ 1730'  
           5" liner to 90'  
           Pay Zone 1856' - 1863

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Select County: (095) Tyler    Select datatypes:  (Check All)

Enter Permit #: 0534

Location     Production     Plugging  
 Owner/Completion     Stratigraphy     Sample  
 Pay/ShowWater     Logs     Btm Hole Loc

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 95 Permit = 0534

Report Time: Thursday, February 14, 2013 4:13:23 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4709500534	Tyler	534	Elksworth	Porters Falls	New Martinsville	39.533479	-80.85301	512632	4375990.4

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	PROP_VD	PROP_TRGT_FM
4709500534	-/-		Original Loc. Completed	B F Hawkins 7						Pennzoil Company		

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	G_BEF	G_AFT
4709500534	-/-	-/-	953	Ground Level	KdW-Elk Fk Ar	Price Fm & equivs	Keener	Development Well	Development Well	Oil w/ Gas Show	Cable Tool	unknown	1875		1875		0

Pay/ShowWater Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4709500534	-/-	Pay	Gas	Vertical			1846	Keener	0	0			
4709500534	-/-	Pay	Oil	Vertical			1856	Keener	0	0			
4709500534	-/-	Pay	Oil	Vertical			1863	Keener	0	0			

Production Gas Information:

API	OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709500534	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Triad Resources, Inc.	2001	5	0	0	0	0	0	5	0	0	0	0	0	0
4709500534	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Triad Resources, Inc.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information:

API	OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709500534	Pennzoil Company	1981	190	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Pennzoil Company	1982	26	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Pennzoil Company	1983	5	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Triad Resources, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500534	Triad Resources, Inc.	2004	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

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12/13/2013

2/14/2013

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 Triad Hunter LLC OP Code \_\_\_\_\_

Watershed Elk Fork Quadrangle Porters Falls

Elevation 953' ( GPS 943' ) County Tyler District Ellsworth

Description of anticipated Pit Waste: saltwater, oil, gel, and freshwater

Will a synthetic liner be used in the pit? yes 20 MIL.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number UIC # 2D0855151 )
- 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
- Workover
- Other (Explain \_\_\_\_\_)
- Swabbing
- Plugging

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.

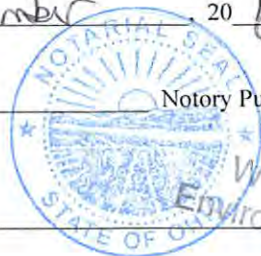
Company Official Signature [Signature]

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior VP Appalachian Operations

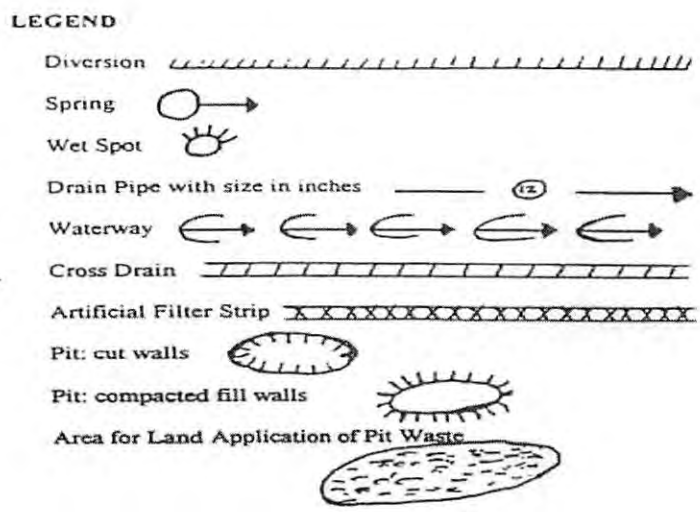
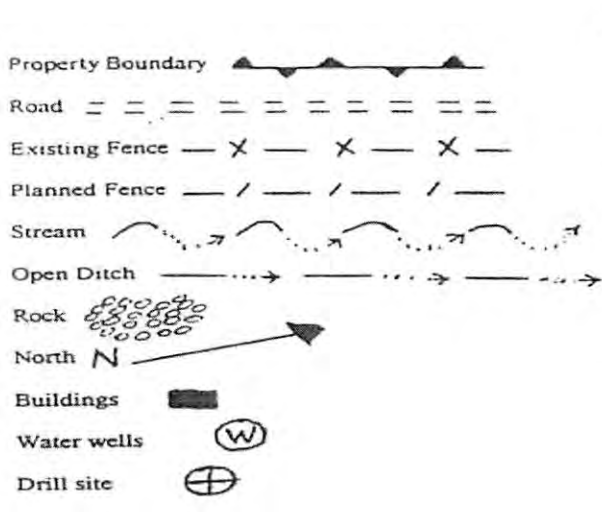
Subscribed and sworn before me this 24th day of September, 2013

Elizabeth R. Tebay



RECEIVED  
Office of Oil and Gas  
ELIZABETH R. TEBAY  
NOTARY PUBLIC  
In and For The State of Ohio  
My Commission Expires  
2-29-16  
WV Department of Environmental Protection

My commission expires 2-29-16



Proposed Revegetation Treatment: Acres Disturbed One +/- Prevegetation pH 5.5

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

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 90 - 100 bales / acre Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	30%	Orchard Grass	30%
Rye ( Annual & BT )	35%	Rye ( Annual & BT )	35%
Timothy ( Climax )	25%	Timothy ( Climax )	25%
Clover ( Medium Red )	10%	Clover ( Medium Red )	10%

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

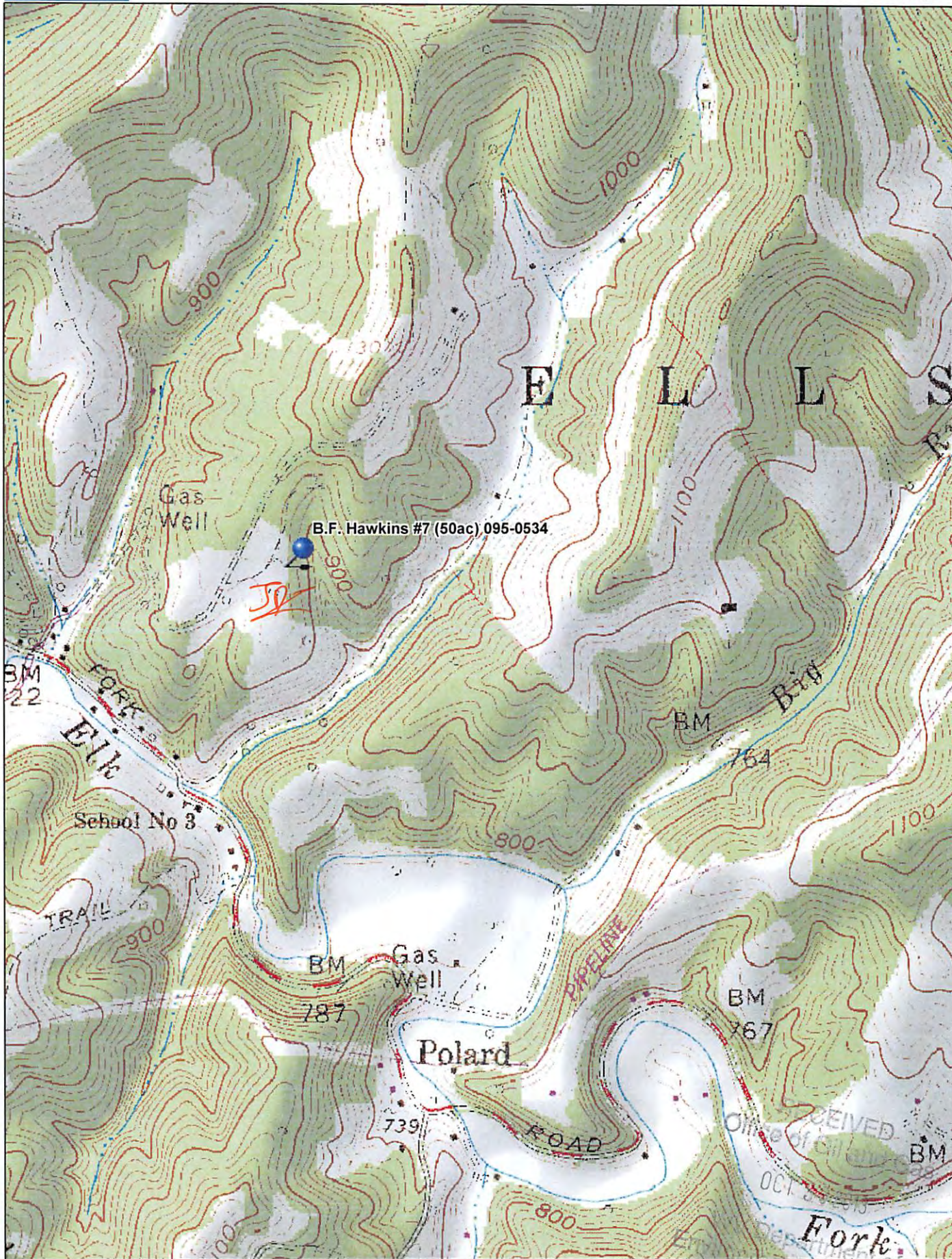
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]  
Comments: \_\_\_\_\_

Title: Invatv Date: 10-2-13

Field Reviewed? ( X ) Yes ( ) No

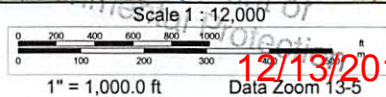
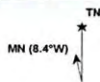
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12/13/2013

9500534P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-095-0534 WELL NO.: 7 ( 50 ac. )

FARM NAME: B.F. Hawkins

RESPONSIBLE PARTY NAME: Triad Hunter LLC

COUNTY: Tyler DISTRICT: Ellsworth

QUADRANGLE: Porters Falls

SURFACE OWNER: Ronald D. and Sandra S. Martin

ROYALTY OWNER: Union National Bank (Trustees)  
S. Austin Smith & C. Burke Morris

UTM GPS NORTHING: 4375932.8901368

UTM GPS EASTING: 512715.44695837 GPS ELEVATION: 943'

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 X : Post Processed Differential X  
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.

Ben Smith  
Signature

Geologist  
Title

RECEIVED  
Office of Oil and Gas  
OCT 30 2013  
4/15/2013  
Date  
West Virginia Department of Environmental Protection

12/13/2013