



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

December 05, 2013

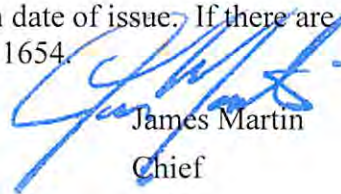
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9500523, 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 #1
Farm Name: COURTNEY, BRIAN E. & BARBA
API Well Number: 47-9500523
Permit Type: Plugging
Date Issued: 12/05/2013

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. 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 September 19, 2013
2) Operator's
Well No. B.F. Hawkins # 1 (30 ac.)
3) API Well No. 47-095 - 0523

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 846' Watershed Elk Fork
District Ellsworth 02 County Tyler 05 Quadrangle Porters Falls 554

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 

RECEIVED
Office of Oil and Gas
OCT 20 2013
Date 10-2-13
WV Department of
Environmental Protection

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.
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.



RECEIVED
Office of Oil and Gas
OCT 30 2013
WV Department of
Environmental Protection

(Well Information)

ELK FORK FIELD

Permit Number: 47-095-0523 Well Name: B.F. Hawkins #1 (30 AC)
 District: Ellsworth County: Tyler
 Date Drilled: N/A Total Depth: 1766' Elevation: 846'
 Producing Zone: Keener Shot Hole Depth: NO RECORD
 Casing Depths: 10" _____ 8 1/4" _____ Tubing Depth: 2" _____
 6 5/8" 1635' 6 1/4" _____
 5 3/16" _____ 4 7/8" 1693' (Swedged Down to 3 1/2" at Packer)
 Remarks: 3 1/2" Csg. set on H.W. Packer @ 1693' - total 3 1/2" to 1715'
 Pay Zone 1746'-1750'
 Gas @ 1746', Oil @ 1750' (unknown)
 (-900)

47-095-0523

Elev. 846'		LEASE NO. 741		ACRES 30	FARM NAME B. F. Hawkins	H.No. 3612	WELL NO. 1		
N. 7 S. E. W. 13	Location Made	Purchased From H.C. RR.		Rig Completed	Date Purchased 3-1-43				
Civil District Ellsworth	Dr'g Commenced	Sold To		Dr'g Completed	Date Sold				
County Tylee	Dr'g Contractor	Date Abandoned							
State W. Va.									
GAS Oil Rights Owned By									
FORMATION				CASING RECORD					
Kind	Top	Bottom	Steel Line Meas.	Tests	Size	Bottom Casing Steel Line	Put in Well Tally Meas.	Pulled Tally Meas.	Cemented
					6-5/8"		1635		Date
					3 1/2"	1693	1715- 845		Size Csg.
									Top "
									Bot. "
Oil 1750									
Gas 1746									
PACKERS AND SHOES									
Kind	Size	Depth Set	Date Set						
H.W. Packer	6 1/2" x 4-7/8"	1693	37 10-27						
4 7/8" x 3 1/2" Swage Nipple Top of Packer									
TORPEDO RECORD									
Date	No. Qts.	Size Shell	Top Shot	Bottom	Results				
Total Depth 1766									
DRILLING DEEPER									
Commenced	Completed	Original Depth	Final Depth	Contractor					
ABANDONMENT RECORD									
Filled With	From	To	Size	PLUG Kind	Depth				
Initial Prod. Sand * At Completion * 30 Days After *									
Oil Keener									
Gas									
APPROVED									
Supt.									
* Oil in Barrels † Gas in M. Cu. Ft.									
TESTS, REPORTS AND REMARKS ON REVERSE SIDE									

9500523 P



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

Enter Permit #: 0523

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

[Get Data] [Reset]

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 = 0523

Report Time: Thursday, February 14, 2013 4:07:36 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX DISTRICT	QUAD 75	QUAD 16	LAT_DD	LONG_DD	UTME	UTMN
4709500523	Tyler	523	Ellsworth	Porters Falls	New Martinsville	39.539135	-80.85376	512566.5	4376617.9

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
4709500523	-/-		Original Loc	Completed	B F Hawkins 1					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_BEFO	G_AFT
4709500523	-/-	-/-	846	Ground Level	Kdwl-Elk Fk Ar	Price Fm & equivs	Keener	Development Well	Development Well	Oil and Gas	Cable Tool	unknown	1766		1766	0	0

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEFO	G_AFT	O_BEFO	O_AFT	WATER_QNTY
4709500523	-/-	Pay	Gas	Vertical			1746	Keener	0	0			
4709500523	-/-	Pay	Oil	Vertical			1750	Keener	0	0			

Production Gas Information:

API	OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709500523	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Gedco Oil & Gas Joint Venture	1995	74	11	15	21								15	12
4709500523	Triad Resources, Inc.	2001	5	0	0	0	0	0	5	0	0	0	0	0	0
4709500523	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	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
4709500523	Pennzoil Company	1981	271	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Pennzoil Company	1982	78	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Pennzoil Company	1983	66	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Gedco Oil & Gas Joint Venture	1995													
4709500523	Triad Resources, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500523	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

CK27699
10000
WW-4A
Revised 6-07

9500523P

1) Date: September 19, 2013
2) Operator's Well Number B.F. Hawkins # 1 (30 ac.)
3) API Well No.: 47 - 095 - 0523

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>Brian E. and Barbara J. Courtney</u> ✓	Name _____
Address <u>P.O. Box 1</u>	Address _____
<u>North Georgetown, Ohio 44665</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>	Address _____
Telephone <u>(304) 380-7469</u>	

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

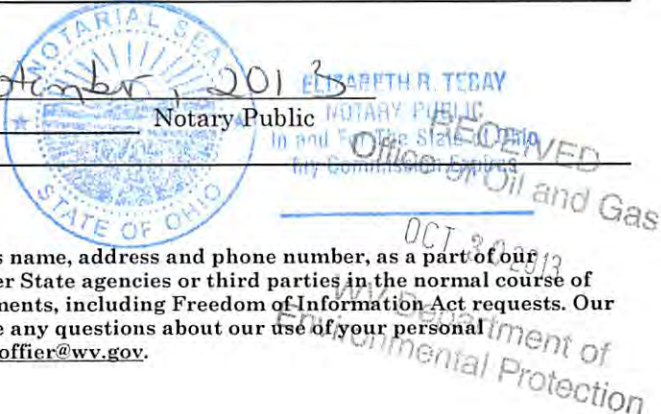
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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
 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. Tegay 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.

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 846' (GPS 847') 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.

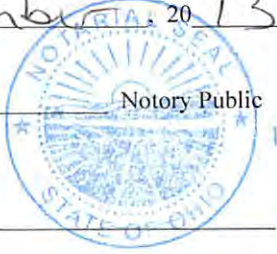
Company Official Signature [Signature]

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior VP Appalachian Operations

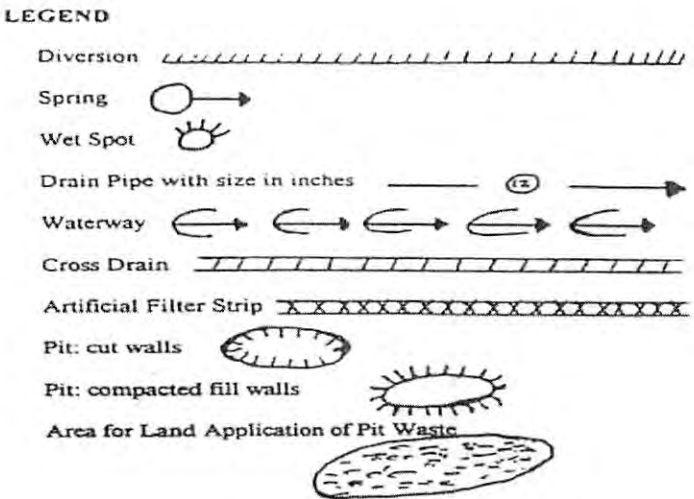
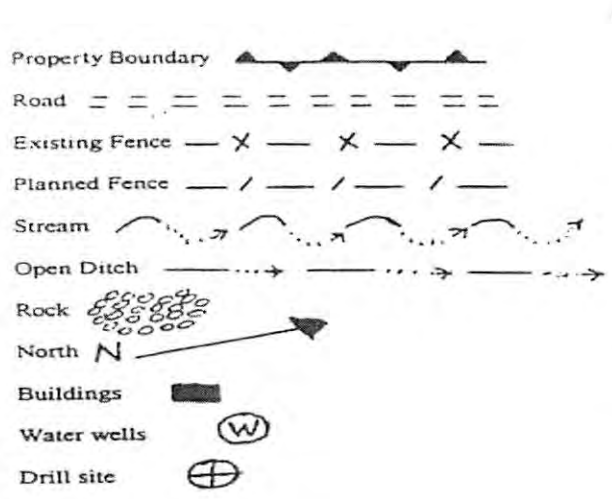
Subscribed and sworn before me this 24th day of September, 2013

[Signature]



ELIZABETH R. TEBAY
NOTARY PUBLIC
In and For The State of Ohio
My Commission Expires
2-29-16

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: Inspect

Date: 10-2-13

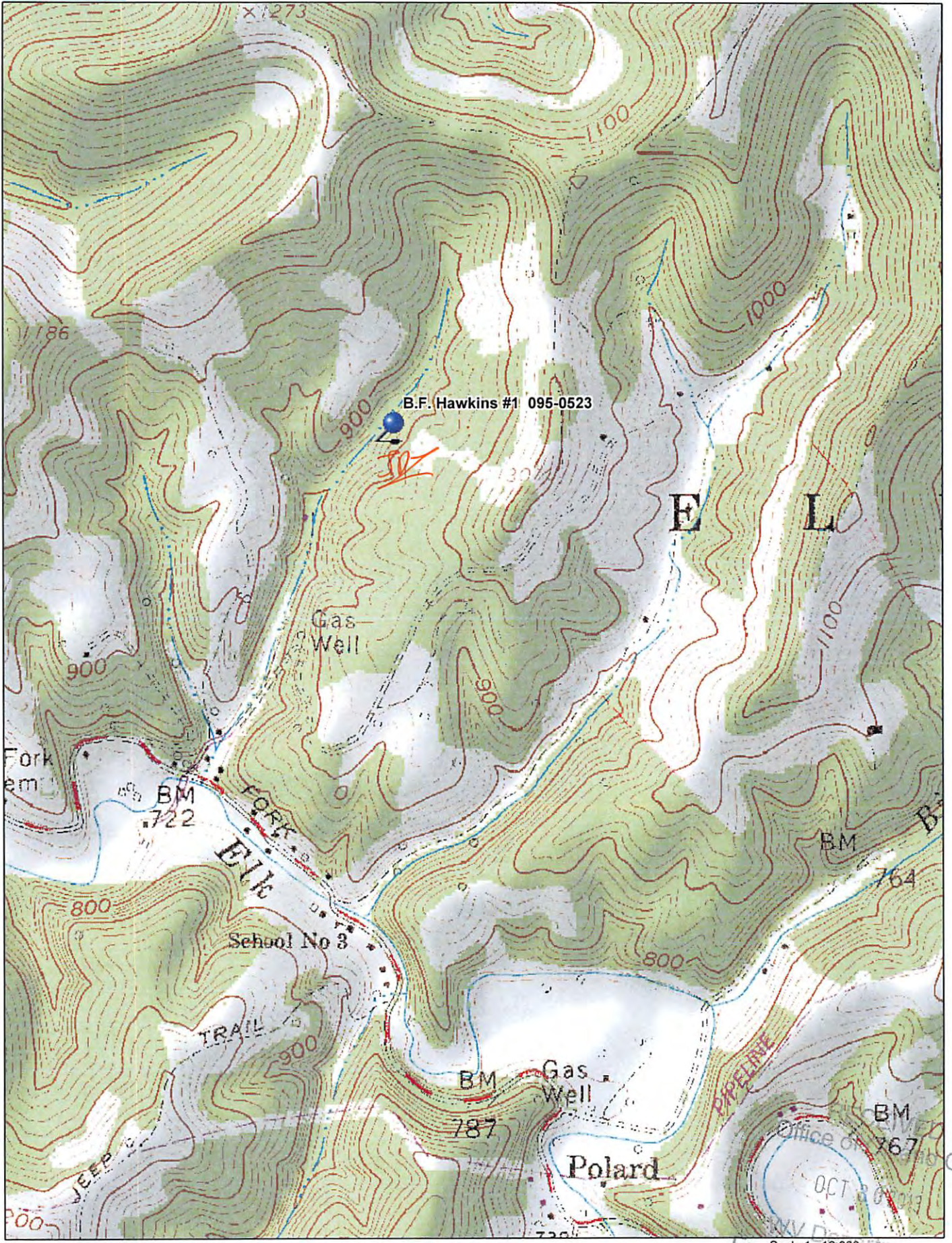
Field Reviewed? (X) Yes () No

RECEIVED
Office of Oil and Gas

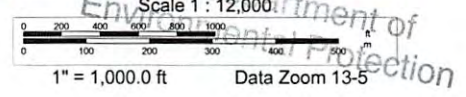
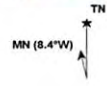
OCT 30 2013

WV Department of
Environmental Protection

9500523P



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 www.delorme.com



Environment & Protection
 Office of

95 00523 P

WW-7
8-30-06



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

API: 47-095-0523 WELL NO.: 1

FARM NAME: B.F. Hawkins

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Tyler DISTRICT: Ellsworth

QUADRANGLE: Porters Falls

SURFACE OWNER: Brian and Barbara Courtney

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

UTM GPS NORTHING: 4376513.0923722

UTM GPS EASTING: 512573.56434508 GPS ELEVATION: 847'

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS : Post Processed Differential
Real-Time Differential
Mapping Grade GPS : Post Processed Differential
Real-Time Differential

JD

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.

Brian Smith
Signature

Geologist
Title

4/15/2013
Date

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Office of Oil and Gas
OCT 30 2013
Department of
Environmental Protection