



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

June 24, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9500631, 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: 4
Farm Name: WILLIAMS, JOSEPH
API Well Number: 47-9500631
Permit Type: Plugging
Date Issued: 06/24/2015

Promoting a healthy environment.

06/26/2015

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date Maarch 15, 2015
2) Operator's
Well No. Joseph Williams # 4
3) API Well No. 47-095 - 0631

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 1023' (1028' GPS) Watershed Elk Fork
District Ellsworth County Tyler Quadrangle Porters Falls

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 9) Plugging Contractor
Name Michael Goff Name N/A
Address P.O. Box 134 Address _____
Pullman, WV 26421

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

(SEE ATTACHMENT)

Received
Office of Oil & Gas
APR 23 2015

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

Work order approved by inspector Michael Goff Date 4/2/15

ELK FORK PLUGGING PROCEDURE**(2015)**

1. Remove rods and tubing and clean hole to total depth.
2. Run tubing to the base of the shot hole and cement shot hole with 50 – 75 sacks of Class A Cement (**Bottom Hole Plug**).
3. Try to pull 5 3/16" or 4 7/8" casing. If unable to pull casing, set tubing just below casing string and pump a 100' Class A cement plug (**Casing Plug**).
4. MIRU wireline company; check depth of cement plug and cut / rip casing apart just below elevation depth. Pull casing OOH.
5. Run tubing to depth of casing cut and set a 100' Class A cement plug in annulus (**Cut Plug**). Pull tubing OOH.
6. Run wireline back in hole; check depth of cement plug and perforate the 6 1/4" or 6 5/8" casing @ 200 feet with 4-6 perforations.
7. Run tubing just below the perforations and circulate Class A Cement to surface. Pull tubing out of hole and top load hole with Class A Cement (**Surface Plug**).
8. Erect / Weld a 3' x 6" monument pipe to the existing casing. Load monument pipe with Class A Cement and attach an identification plate to the monument pipe containing the permit number of the well.
9. Remove service rig and all other supporting equipment including tanks, separator, and other production equipment.
10. Reclaim well site and lease road.

NOTE! Pump gel spacers between all cement plugs.

Revised
Office of Oil & Gas
MAC
APR 23 2015
2/2/15

47-095-00631P

Elev. 1023

LEASE NO. 782 ACRES 136 FARM NAME Joseph Williams H.No. 3622 WELL NO. 4

N. 6 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

Kind	Top	Bottom	Steel Line Meas.	Tests
Keener Oil	1913	1918		

Total Depth 1934

CASING RECORD

Size	Bottom Casing Steel Line	Put in Well Tally Meas.	Pulled Tally Meas.	Cemented
6 1/4" / 4 7/8"	1355'-7"	1741 / 1869'-7"		Date Size Csg. Top " Bot. "

PACKERS AND SHOES

Kind	Size	Depth Set	Date Set
6 1/4" X 4 7/8" X 16" N 77 Kamaco		1855'-7"	9-27-57

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom	Results
Aug 29, 1957	30	4" X 12'	1919	1931	

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD

Filled With	From	To	PLUG		
			Size	Kind	Depth

APPROVED _____ Supt.

TESTS, REPORTS AND REMARKS ON REVERSE SIDE

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

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

Received
 Office of Oil & Gas
 APR 23 2015

ELK FORK FIELD

Permit Number: 47-095-0631 Well Name: Joseph Williams #4

District: Ellsworth County: Tyler

Date Drilled: N/A Total Depth: 1934' Elevation: 1023'

Producing Zone: Keener Shot Hole Depth: 1919' - 1931'

Casing Depths: 10" _____ 8 1/4" _____ Tubing Depth: 2" _____

6 5/8" _____ 6 1/4" 1741'

5 3/16" _____ 4 7/8" 1869'

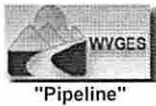
Remarks: 4 7/8" set on H.W. Packer

Top Keener 1913' (-890)

Oil @ 1918'

<Shot 1 time>
 (unknown)
 APR 23 2015

9500631P



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

Enter Permit #: 0631

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 = 0631

Report Time: Thursday, February 14, 2013 4:35:21 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LONG_DD	UTME	UTMN
4709500631	Tyler	631	unknown	unknown	unknown				

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
4709500631	-/-		Original Loc. Completed	Joseph Williams 4						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	O_BEF	O_AFT	P
4709500631	-/-	-/-			Unnamed			unclassified	unclassified	not available	unknown	unknown			0	0	0	0	0	0

There is no Pay data for this well

Production Gas Information:

API	OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709500631	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Triad Resources, Inc.	2001	4	0	0	0	0	0	0	0	0	4	0	0	0
4709500631	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	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
4709500631	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Triad Resources, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500631	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

Received
 Office of Oil & Gas
 APR 23 2015

WW-4A
Revised 6-07

1) Date: March 25, 2015
2) Operator's Well Number
Joseph Williams # 4
3) API Well No.: 47 - 095 - 0631

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>Jeffrey A. and Cheryl A. Ferrell</u>	Name <u>N/A</u>
Address <u>RR 1 Box 196</u>	Address _____
<u>Middlebourne, WV 26155</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Michael Goff</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 134</u>	Name <u>N/A</u>
<u>Pullman, WV 26421</u>	Address _____
Telephone <u>(304) 549-9823</u>	_____

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

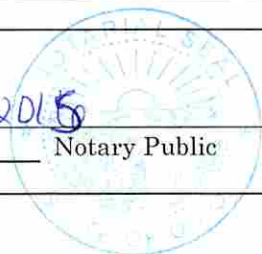
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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 1st day of April, 2015
Elizabeth R. Tebay
 My Commission Expires 2-29-16
 Notary Public



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

Oil and Gas Privacy Notice

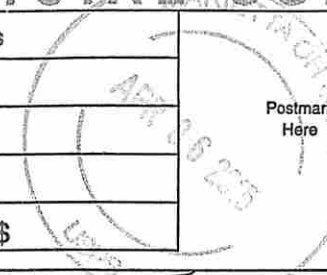
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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 depprivacyoffier@wv.gov.

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Total Postage & Fees	\$	

7014 0150 0000 9042 0630

Sort To: *Jeffrey & Cheryl Ferrell*
 Street, Apt. No., or PO Box No.: *RR1 Box 196*
 City, State, ZIP+4: *Middlebourne, WV 26155*

PS Form 3800, August 2006 See Reverse for Instructions

RECEIVED
 Office of Oil and Gas
 APR 23 2015
 WV Department of
 Environmental Protection

(9 Wells)


- 1. J.T.A. Hawkins #1 47-095-00535
- 2. J.T.A. Hawkins #2 47-095-00536
- 3. J.T.A. Hawkins #10 47-095-00539
- 4. J.T.A. Hawkins #12 47-095-00540
- 5. Wm. Ferrell #2 47-095-00568
- 6. Wm. Ferrell #5 47-095-00567
- 7. Wm. Ferrell #8 47-095-00560
- 8. H.I. Asher #2 47-095-00540
- 9. H.I. Asher #11 47-095-00545

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 Office of Oil & Gas
 2015
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Sort To: *Jeffrey & Cheryl Ferrell*
 Street, Apt. No., or PO Box No.: *RR1 Box 196*
 City, State, ZIP+4: *Middlebourne, WV 26155*

PS Form 3800, August 2006 See Reverse for Instructions

06/26/2015

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 1023' (GPS 1028') 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 mi.

*MAG
2/2/15*

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number UIC # 2D0859721)
- 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.

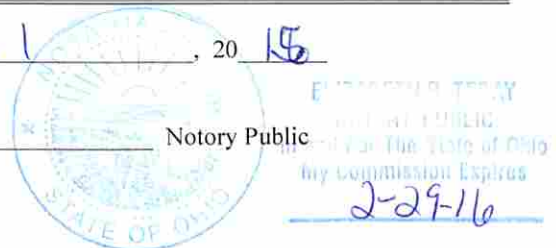
Company Official Signature *[Signature]*

Company Official (Typed Name) Rocky Roberts

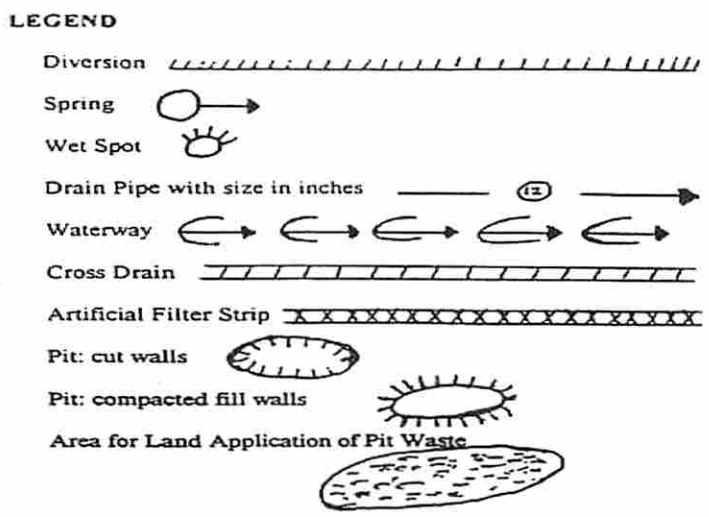
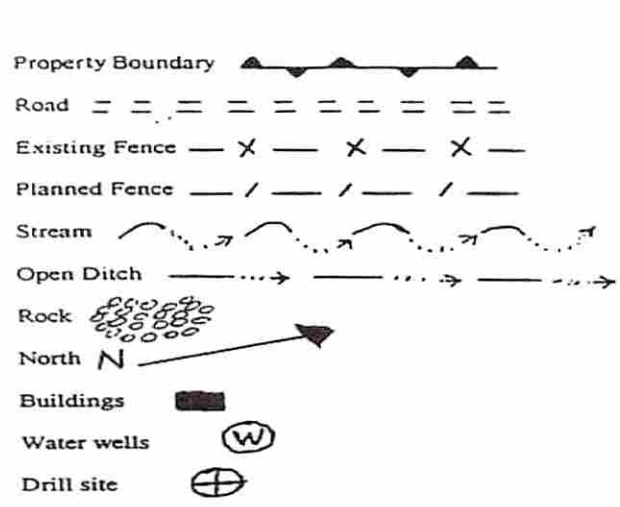
Company Official Title Senior VP Appalachian Operations

Subscribed and sworn before me this 1st day of April, 20 15

[Signature]



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) 500 lbs/acre (500 lbs minimum)

Mulch 11 - 1.5 (50-75 bales) Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Orchard Grass	30%		
Rye (Annual & BT)	35%		
Timothy (Climax)	25%		
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: Michael Hoff

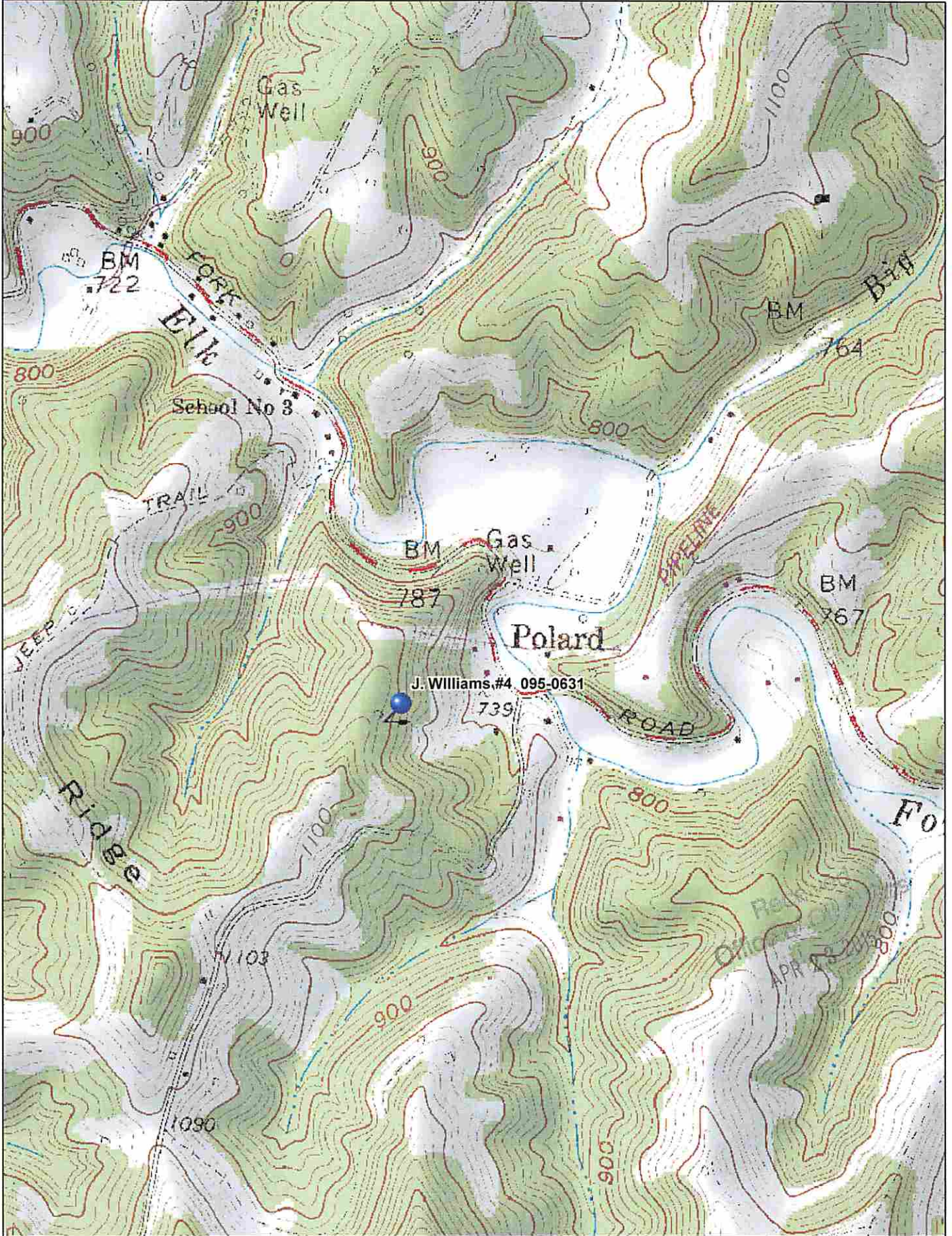
Comments: Install E-n-s per WVAEP regs.

Received
Office of Oil & Gas
APR 23 2015

Title: Oil & Gas Inspector

Date: 4/2/15

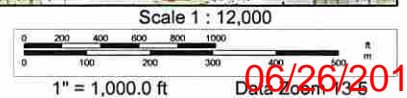
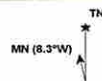
Field Reviewed? Yes No



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I
now

Operator: TRIAD HUNTER, LLC
API: 9500631
WELL No: 4
Reviewed by: gmm Date: 6/22/15
45 Day End of Comment: 04/28/15

* Well is on an Agreed Order *

CHECKLIST FOR FILING A PERMIT

Plugging

CK # 001079
\$100⁰⁰

- WW-4B
- Inspector signature on WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$100.00 check (\$0.00 if no pit)

06/26/2015