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: 47-9500545, 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 penalities 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: 11
Farm Name: ASHER, H. I.
API Well Number: 47-9500545
Permit Type: Plugging
Date Issued: 06/24/2015

Promoting a healthy environment.

9500545P

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.

CK # 001079
$100.00

9500545P

WW-4B
Rev. 2/01

1) Date March 15, 2015
2) Operator's
Well No. H.I. Asher # 11
3) API Well No. 47- 095 - 0545

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 ____ Watershed Elk Fork
District Ellsworth County Tyler Quadrangle Porters Falls

6) Well Operator Triad Hunter LLC
Address 125 Putnam Street
Marietta, Ohio 45750

7) Designated Agent Kimberly Arnold
Address P.O. Box 154
Waverly, WV

8) Oil and Gas Inspector to be notified
Name Michael Goff
Address P.O. Box 134
Pullman, WV 26421

9) Plugging Contractor
Name N/A
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 Michael Goff Date 4/2/15

9500545P

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 ¼" 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.

MDG
4/2/15

"Pipeline"

Select County: (095) Tyler
Enter Permit #: 00545
Get Data | Reset

Select datatypes: (Check All)
Location | Production | Plugging
Owner/Completion | Stratigraphy | Sample
Pay/Show/Water | 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 = 00545

Report Time: Tuesday, March 31, 2015 11:16:20 AM

Location Information: View Map

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4709500545	Tyler	545	Ellsworth	Porters Falls	New Martinsville	39.526954	-80.84814	513051.8	4375266.9

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	TFM_EST_PR
4709500545	-/-/-		Original Loc	Completed	H I Asher	11				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
4709500545	-/-/-	-/-/-	726	Ground Level	Kdwl-Elk Fk Ar	Price Fm & equivs	Keener	Development Well	Development Well	Oil and Gas	Cable Tool	unknown	1667		1667	0	0

Comment: -/-/- well record is barely legible

Pay/Show/Water 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
4709500545	-/-/-	Pay	Gas	Vertical			1636	Keener	0	0			
4709500545	-/-/-	Pay	Oil	Vertical			1646	Keener	0	0			
4709500545	-/-/-	Pay	Oil	Vertical			1652	Keener	0	0			

Production Gas Information: (Volumes in Mcf)

API	OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709500545	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2001	5	0	0	0	0	0	5	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2007	5	0	0	0	0	0	0	0	0	0	0	0	5
4709500545	Triad Resources, Inc.	2008	5	0	0	0	0	0	0	0	0	0	0	0	5

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709500545	Pennzoil Company	1981	607	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Pennzoil Company	1982	138	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Pennzoil Company	1983	159	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4709500545	Triad Resources, Inc.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

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

NO CASING Record available!

9500545P

CK # 001079
$100.00

WW-4A
Revised 6-07

1) Date: March 15, 2015
2) Operator's Well Number
H.I. Asher # 11

3) API Well No.: 47 - 095 - 0545

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name: Charles E. & Laura L. Friend
Address: 2638 Elk Fork Road
Middlebourne, WV 26149

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: Michael Goff
Address: P.O. Box 134
Pullman, WV 26421
Telephone: (304) 549-9823

5) (a) Coal Operator
Name: N/A
Address:

(b) Coal Owner(s) with Declaration
Name: N/A
Address:

Name:
Address:

(c) Coal Lessee with Declaration
Name: N/A
Address:

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 Notary Public
My Commission Expires 2-29-16

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.

9500545P

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Total Postage & Fees	$

Postmark Here

7014 0150 0000 9042 0623

Sent To: Charles & Laura FRiend
Street, Apt. No.; or PO Box No. 2638 Elk Fork Rd
City, State, ZIP+4 Middlebourne, WV 26149

PS Form 3800, August 2006 See Reverse for Instructions

CK 001079
1000

(1 well)

H.I. Asher #11 095-00545

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

7014 0150 0000 9042 0623

Sent To: Charles & Laura FRiend
Street, Apt. No.; or PO Box No. 2638 Elk Fork Rd
City, State, ZIP+4 Middlebourne, WV 26149

PS Form 3800, August 2006 See Reverse for Instructions

Received
Office of Oil & Gas
APR 23 2015

9500545P

WW-9
Rev. 5/08

Page 1 of 2
API Number 47 - 095 - 0545
Operator's Well No. H.I. Asher # 11

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 494494833

Watershed Elk Fork Quadrangle Porters Falls

Elevation _____ County Tyler District Ellsworth

Description of anticipated Pit Waste: oil,saltwater,freshwater

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

MAC
4/2/15

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
X Underground Injection (UIC Permit Number UIC # 2D0859721)
_____ Reuse (at API Number _____)
_____ Off Site Dispposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

Proposed Work For Which Pit Will Be Used:

_____ Drilling
_____ Workover
_____ Other (Explain _____
_____ Swabbing
X 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 _____

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

Elizabeth R. Irby Notory Public

My commission expires 2-29-16

2-29-16

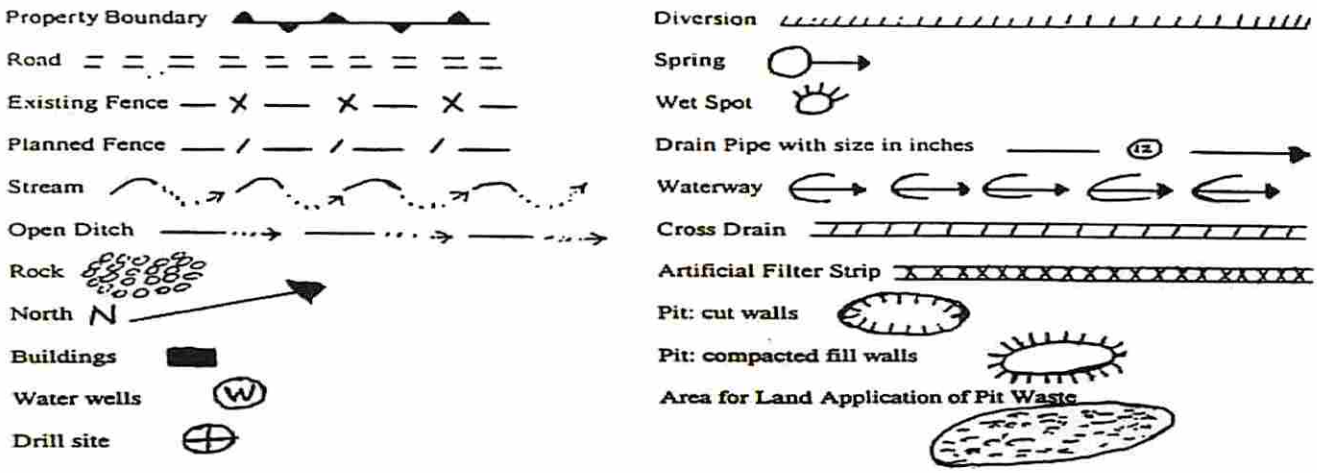
Received
Office of Oil & Gas
APR 23 2015

9500545P

Form WW-9

Operator's Well No. H.I. Asher # 11

LEGEND



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 1 - 1.5 (50-75 bales) Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	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 Duff

Comments: Preseed & Mulch any disturbed area per WVDEP regs. Maintain or upgrade E&S as necessary.

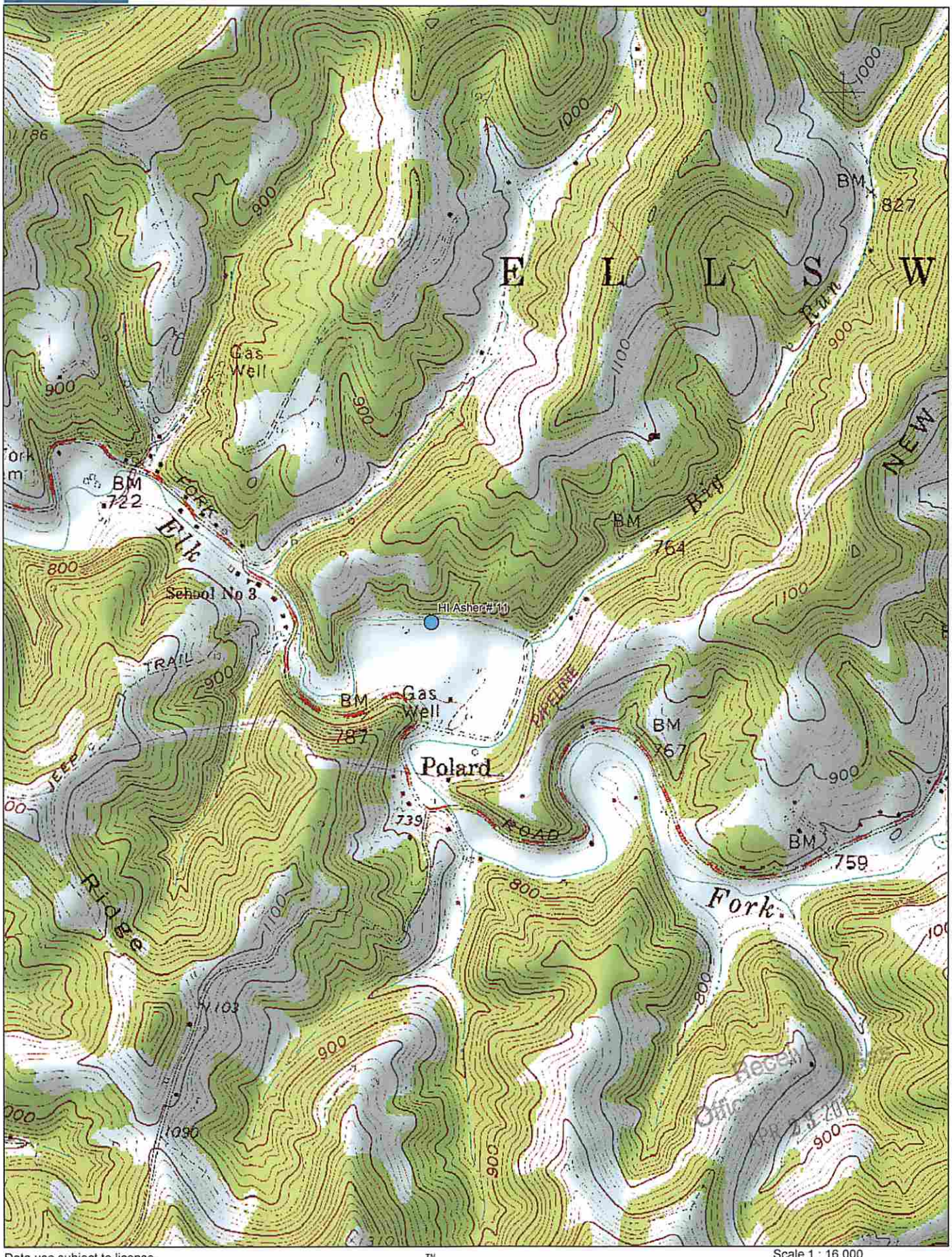
Title: Oil & Gas Inspector Date: 4/2/15

Field Reviewed? (✓) Yes ( ) No

9500545P

DELORME

XMap® 7



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www.delorme.com

TN

MN (8.4°W)

Scale 1 : 16,000

1" = 1,333.3 ft

Data Zoom 13-6

9500545P

WW-7
8-30-06

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

API: 47-095-00545 **WELL NO.:** 11

FARM NAME: H.I. Asher

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Tyler **DISTRICT:** Ellsworth

QUADRANGLE: Porters Falls

SURFACE OWNER: Charles E. & Laura L. Friend

ROYALTY OWNER: Shiben Estates, Inc.

UTM GPS NORTHING: ~~513056~~ 4375258.7

UTM GPS EASTING: ~~4375258.7~~ 513056 **GPS ELEVATION:** 757'

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 _____

Real-Time Differential X

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.

Received
Office of Oil & Gas
APR 23 2015

Signature	Title	Date
	Geologist	3/27/15

I
NOW

Operator: TRIAD HUNTER, LLC

API: 9500545

WELL No: 11

Reviewed by: JMM Date: 6/22/15

15 Day End of Comment: 04/28/15

* Well is on an Agreed Order *

CHECKLIST FOR FILING A PERMIT

Plugging

Ck # 001079
$100.00

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

OR

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