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

April 30, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1502122, 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: 20949
Farm Name: ROGERS, RALPH
API Well Number: 47-1502122
Permit Type: Plugging
Date Issued: 04/30/2015

Promoting a healthy environment.

1502122P

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.

1502122P

WW-4B
Rev. 2/01

1) Date January 20, 2015
2) Operator's Well No. Jaames Phillips # 20949
3) API Well No. 47- 015 - 2122

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 ____/ Gas ____/ Liquid injection X / Waste disposal ____/
(If "Gas, Production ____ or Underground storage ____) Deep ____/ Shallow____

5) Location: Elevation 980' GL Watershed Summers Fork
District Henry 2 County Clay Quadrangle Newton 512

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

7) Designated Agent Kim Arnold
Address P.O. Box 154
Waverly, WV 26184

8) Oil and Gas Inspector to be notified
Name Ed Gainer
Address P.O. Box 821
Spencer, WV 25276

9) Plugging Contractor
Name N/A
Address

LTD - 1973'

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

SET - 200' Bottom hole plug in 4 1/2" casing. Across Perfs
FROM 1973' TO 1773'. TAG PLUG, ADD MORE CEMENT IF NEEDED.
No Cut Plug - 4 1/2" casing cemented to surface!
gMM

100' - Elevation plug @ 1000' (inside 4 1/2" csg.).

No Surface Casing Plug !

SET 200' Surface plug in 4 1/2" casing. FROM 200' TO SURFACE

Note! 1. All cement plugs - Class A cement.

2. Gel spacers between all cement plugs.

3. No coal seams reported.

Received
Office of Oil & Gas
MAR 16 2015

SET MONUMENT PER WV STATE CODE
gMM

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

Work order approved by inspector _____ Date 3/9/15

1502122P

IV-35
(Rev 8-81)

RECEIVED
SEP 20 1983
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 7-19-83
Operator's
Well No. 20949
Farm Anna B. Hicks
API No. 47 - 015 - 2122

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas ___ / Liquid Injection X / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 991.0 Watershed Summers Fork
District: Henry County Clay Quadrangle Newton

COMPANY Columbia Gas Transmission Corporation
ADDRESS P. O. Box 1273, Charleston, WV
DESIGNATED AGENT James L. Weekley
ADDRESS P. O. Box 1273, Charleston, WV
SURFACE OWNER Kenneth Brady
ADDRESS Ovapa, West Virginia 25150
MINERAL RIGHTS OWNER Lovell L. Carnes
ADDRESS Rt. 2, Box 96, Quick, West Virginia
OIL AND GAS INSPECTOR FOR THIS WORK Martin Nichols ADDRESS Box 554 Clendenin, WV 25045
PERMIT ISSUED 3-30-82
DRILLING COMMENCED 5-22-82
DRILLING COMPLETED 5-29-82
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	395.61	395.61	120 sacks
7			
5 1/2			
4 1/2	1970.11	1970.11	380 sacks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 1930 feet
Depth of completed well 1990' feet Rotary X / Cable Tools ___
Water strata depth: Fresh 241 feet; Salt 1200 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA Injection Well - No Test Taken
Producing formation Big Injun Pay zone depth 1830 feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

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Office of Oil & Gas
MAR 16 2015

FORM IV-35
(REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated 6-29-82 from 1863-1880' with one hole/ft

Acidized 6-29-82 from 1863-1880' with 500 gals. Hcl.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and c
Salt Sand	1200	1580	
Maxon	1630	1670	
Big Lime	1680	1830	
Big Injun	1830	1880	
Squaw	1915	1925	
LTD		1973	
DTD		1990	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation
Well Operator

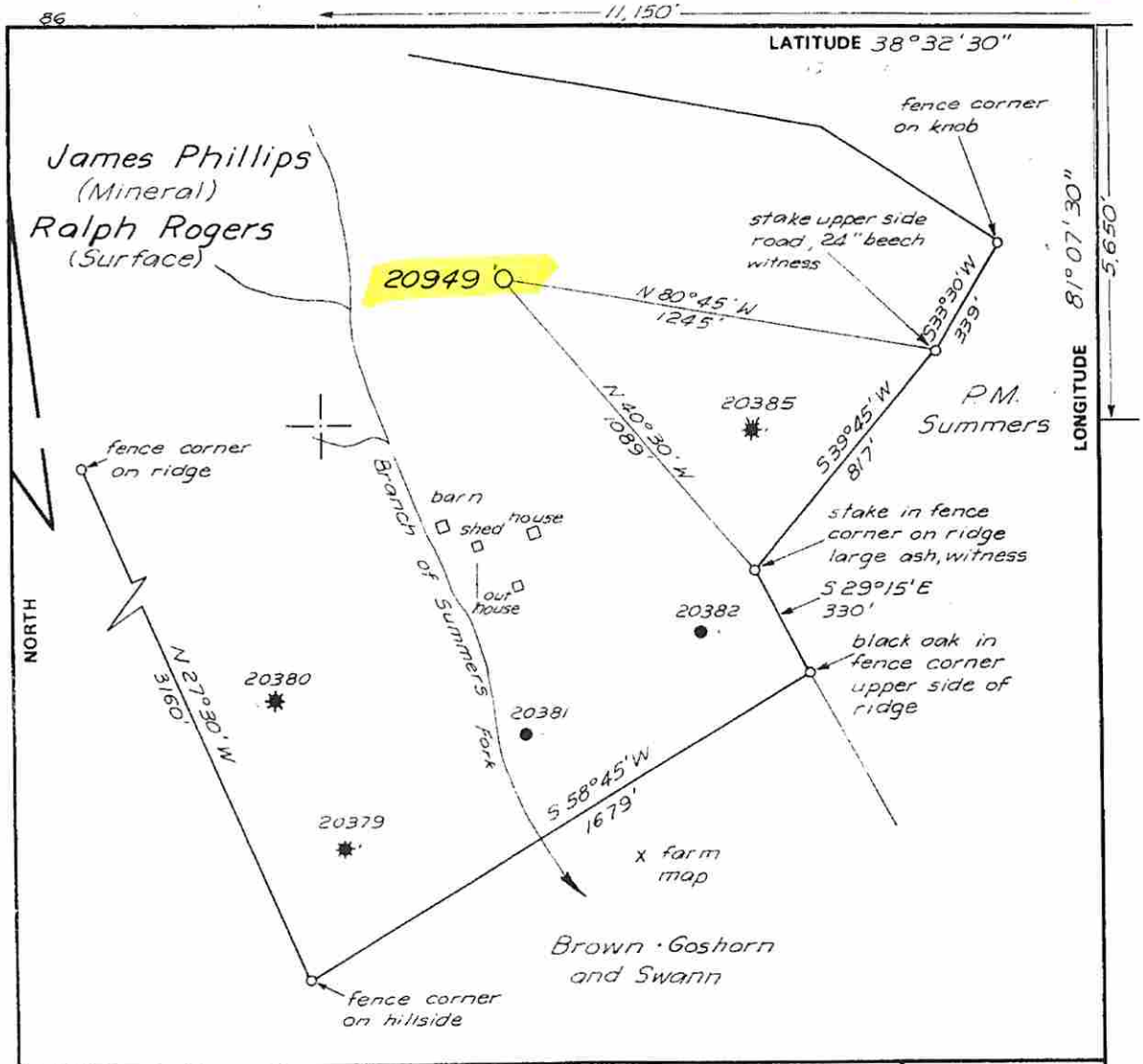
By: [signature]

Date: July 19, 1983

Received
Office of Oil & Gas
MAR 16 2015

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

1502122P



FILE NO. 86 · 71
DRAWING NO. 20949
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION U.S. Gov't. B.M. at Ovapa, Elev 864'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES.

(SIGNED) Lloyd E. Hart
R.P.E. _____ L.L.S. 99

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)

Lat. 38°31'34"
Long. 81°09'50"

DATE 08 · 05, 19 81
OPERATOR'S WELL NO. 20949
API WELL NO.
47 - 015 - 2122-Li
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 991.0 WATER SHED Summers Fork
DISTRICT Henry COUNTY Clay
QUADRANGLE Newton, W. Va.
SURFACE OWNER Ralph Rogers ACREAGE 112
OIL & GAS ROYALTY OWNER James Phillips LEASE ACREAGE 112
LEASE NO. 13188
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Injun ESTIMATED DEPTH 1920
WELL OPERATOR Col. Gas Trans. Corp. DESIGNATED AGENT J. R. Henning
ADDRESS P.O. Box 1273 ADDRESS Same
Charleston, W. Va. 25309

Received
Office of Oil & Gas
MAR 16 2015

1502122P

WW-4A
Revised 6-07

1) Date: 1/20/2015
2) Operator's Well Number
James Phillips # 20949

3) API Well No.: 47 - 015 - 2122

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: Larry Rodgers
Address: 97 Ash Camp Road
Ovapa, WV 25164

(b) Name
Address

(c) Name
Address

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

6) Inspector: Ed Gainer
Address: P.O. Box 821
Spencer, WV 25276
Telephone: (304) 389-7582

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 V.P. Appalachian Operations
Address: 125 Putnam Street
Marietta, Ohio 45750
Telephone: (740) 374-2940

Subscribed and sworn before me this 22nd day of January, 2015
Elizabeth R. Tebay
Notary Public
My Commission Expires 2-29-16

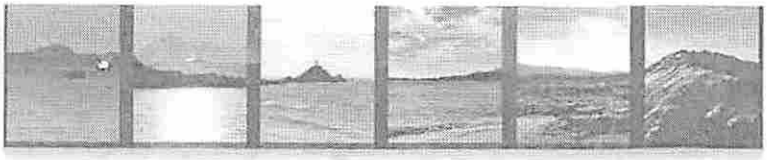
ELIZABETH R. TEBAY
NOTARY PUBLIC
In and For The State of Ohio
My Commission Expires
2-29-16

Received
Office of Oil & Gas
MAR 16 2015

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.

1502122P



Larry Rodgers

James Phillips

20949

20951

20954

20682

(4 Wells)

915 Greenbag Road
Morgantown, WV 26508
Toll Free 888.292.0001
Fax 304.292.0283

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Postmark Here

MAR 17 2015 USPS

Sent To Larry Rodgers
Street, Apt. No.; or PO Box No. 97 Ash Camp Rd
City, State, ZIP+4 Ovapa WV 25164

PS Form 3800, August 2006 See Reverse for Instructions

1502122P

WW-4B

API No. 47-015-2122
Farm Name James Phillips
Well No. 20949

INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

_____

By: _____

Its _____

Received
Office of Oil & Gas
MAR 16 2015

1502122P

WW-9
Rev. 5/08

API Number 47 - 015 - 2122
Operator's Well No. James Phillips # 20949

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 4944494833

Watershed Summers Fork Quadrangle Newton

Elevation 980' GL County Clay District Henry

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

Will a synthetic liner be used in the pit? "No Pit".

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
_____ Underground Injection (UIC Permit Number_____)
_____ Reuse (at API Number_____)
_____ Off Site Dispposal (Supply form WW-9 for disposal location)
X Other (Explain Fluids collected in surface tank and hauled to Ovapa Injection Facility.

Proposed Work For Which Pit Will Be Used:

_____ Drilling _____ Swabbing
_____ Workover _____ Plugging
_____ Other (Explain_____

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]

Received
Office of Oil & Gas
MAR 16 2015

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior V.P. Appalachian Operations

Subscribed and sworn before me this 22nd day of January, 20 15

Elizabeth R. Sebay Notory Public

My commission expires 2-29-16

NOTARIAL SEAL STATE OF OHIO

ELIZABETH R. SEBAY
NOTARY PUBLIC
State of Ohio
My Commission Expires
2-29-16

1502122P

Form WW-9

Operator's Well No. James Phillips # 20949

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
Buildings
Water wells W
Drill site

Diversion
Spring
Wet Spot
Drain Pipe with size in inches 12
Waterway
Cross Drain
Artificial Filter Strip
Pit: cut walls
Pit: compacted fill walls
Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed one (1) 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 (50 bales) 2.5 Tons/acre

Seed Mixtures

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

Comments:

Title: Inspector Date: 3/9/15

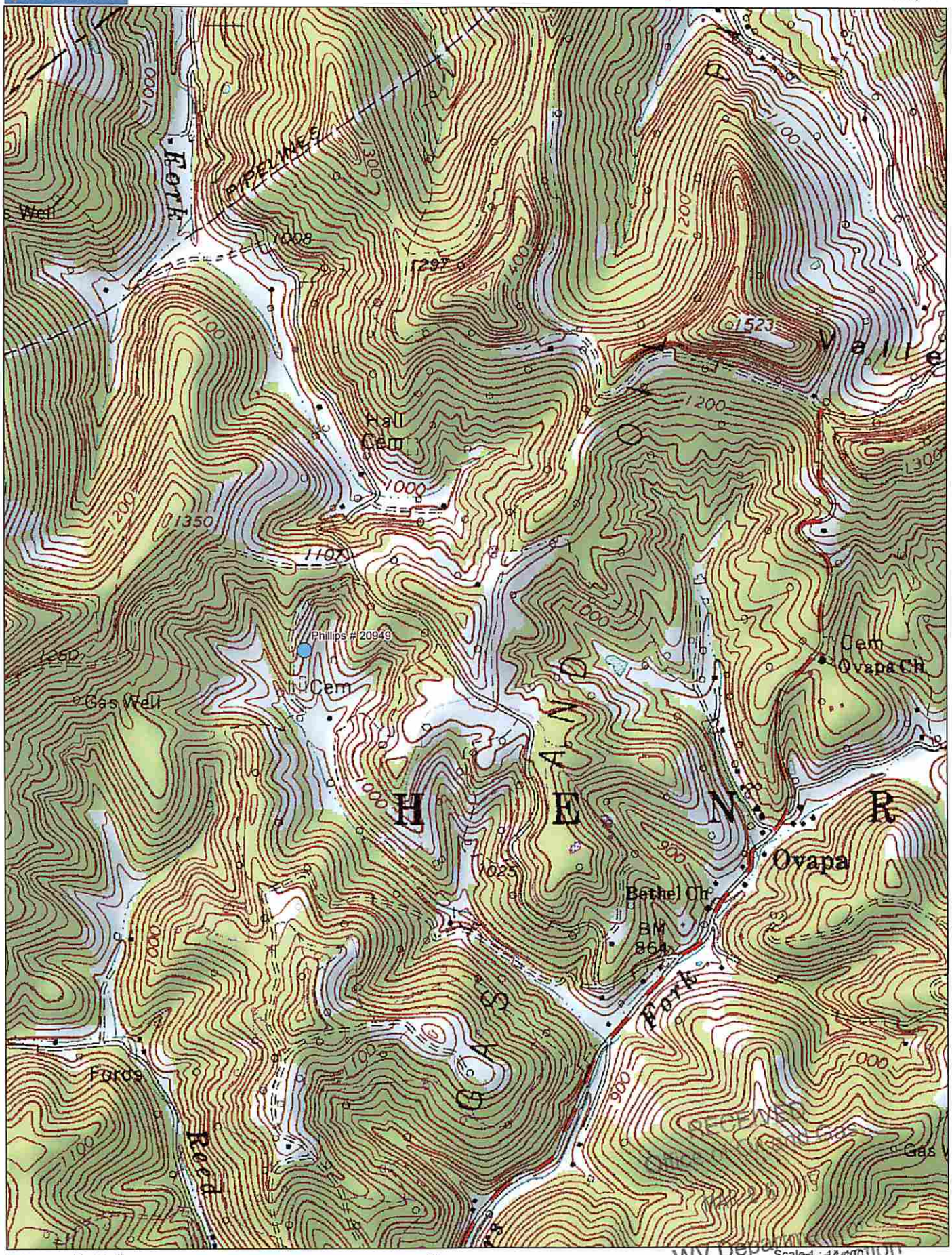
Field Reviewed? (_____) Yes (X) No

Received
Office of Oil & Gas
MAR 16 2015

1502122P

Corrected Topo Phillips # 20949

DELORME XMap® 7



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TN

MN (8.0°W)

Scale 1 : 14,400

1" = 1,200.0 ft

Data Zoom 13-7

RECEIVED
Office of Oil and Gas
WV Department of
Environmental Protection

1502122P

WW-7
8-30-06

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

API: 47-015-02122 WELL NO.: 20949

FARM NAME: James Phillips

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Clay DISTRICT: Henry

QUADRANGLE: Newton

SURFACE OWNER: Larry Rodgers

ROYALTY OWNER: Black Stone Minerals LLP

UTM GPS NORTHING: ~~4264314~~ 4264203.5 (Corrected)

UTM GPS EASTING: ~~485655~~ 485714.4 GPS ELEVATION: 1007

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.

RECEIVED
Office of Oil and Gas
MAR 26 2015
WV Department of
Environmental Protection

Signature: [signature] Title: Geologist Date: 3/17/15

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TN

MN (8.0°W)

Scale 1 : 25,000

0 600 1200 1800 2400 3000 ft

0 200 400 600 800 1000 m

1" = 2,083.3 ft

Data Zoom 13-0

I

NOW

Operator: TRIAD HUNTER, LLC

API: 1502122

WELL No: 20949

Reviewed by: JMM Date: 4/29/15

05 Day End of Comment: 3/24/15

CHECKLIST FOR FILING A PERMIT

Plugging

- [x] 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
- [x] WW-9 (Page 1) (Notarized)
- [ ] Inspector Signature on WW-9 (Optional)
- [x] Topographic Map of location of well (corrected) 03/26/15
- [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
- [ ] $~~100.00 check~~ ($0.00 if no pit)