



---

**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 11, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-8702969, 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: O. D. STOCKLEY 170  
Farm Name: STOCKLEY, O. D.  
**API Well Number: 47-8702969**  
**Permit Type: Plugging**  
Date Issued: 06/11/2015

**Promoting a healthy environment.**

06/12/2015

## 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.

1) Date: 1/20/2015  
2) Operator's Well Number  
O.D. Stockley # 170

3) API Well No.: 47 - 087 - 2969 **P**

**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>Charles Drake</u>	Name <u>N/A</u>
Address <u>2549 Granny's Creek Road</u>	Address _____
<u>Ovapa, WV 25164</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Ed Gainer</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 821</u>	Name <u>N/A</u>
<u>Spencer, WV 25276</u>	Address _____
Telephone <u>(304) 389-7582</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 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. Tsey 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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

4708702969

87-2969P



7014 0150 0000 9042 1286

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT** BS  
 (Domestic Mail Only; No Insurance Coverage Provided)  
 For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$		

Sent To Charles Drake  
 Street, Apt. No., or PO Box No. 2549 Granny's Creek Rd  
 City, State, ZIP+4 Orapa WV 25164  
 PS Form 3800, August 2006 See Reverse for Instructions

Charles Drake

O.D. Stockley

#170, #171

(2 wells)

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



803 Quarrier St. Suite 310  
 Charleston, WV 25301  
 Toll Free 888.292.0001  
 Fax 304.345.0644



4708702969

- 1) Date January 20, 2015
- 2) Operator's  
Well No. O.D. Stockley # 170
- 3) API Well No. 47-087 - 2969 *P*

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 888' GL Watershed Granny's Creek  
District Geary County Roane Quadrangle Newton

6) Well Operator Triad Hunter, LLC 7) Designated Agent Kim Arnold  
Address 125 Putnam Street Address P.O. Box 154  
Marietta, Ohio 45750 Waverly, WV 26184

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Ed Gainer Name N/A  
Address P.O. Box 821 Address \_\_\_\_\_  
Spencer, WV 25276

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

- 150' - 200' Bottom hole plug in 4 1/2" casing. *across parts*
- 100' - Cut plug (4.5" csg.) Bond Log cement top at 1318'.
- 100' - Elevation plug @ 925'.
- 100' - Surface casing plug @ 225'.
- 150' - Surface plug in 8 5/8" casing.

- 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

*ERECT MONUMENT W/API # AFFIXED GCS*

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

06/12/2015

108-74

WELL OPERATOR'S REPORT

Stockly 170

087-2969

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground Storage  / Deep  / Shallow  /  
LOCATION: Elevation: 888.15' Watershed: Granny's Creek  
District: Geary County: Roane Quadrangle: Newton 7.5'

WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews  
Address P. O. Box 1588 Address P. O. Box 1588  
Parkersburg, WV 26101 Parkersburg, WV 26101

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Re-drill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON 5-3- \_\_\_\_\_, 19 79

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED \_\_\_\_\_, 19 \_\_\_\_\_)

Name Richard Morris  
Address Grantsville, WV

GEOLOGICAL TARGET FORMATION: Injun Depth 1823 feet  
Depth of completed well, 1840 feet Rotary  / Cable Tools   
Water strata depth: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? No  
Work was commenced 6-9, 19 79, and completed 6-14, 19 79

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
conductor									
fresh water	8-5/8					202'	202'	125 sks.	Minds
gal									Sizes
intermediate									
production	4-1/2					1829'	1829'	75 sks.	Depth set
string									
liners									Perforations:
									Top Bottom

RECEIVED  
NOV 21 1979

WELL FLOW DATA

OIL & GAS DIVISION  
DEPT. OF MINES

Producing formation Squaw Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow, 9 Mcf/d Oil: Initial open flow, 3 bbl/d  
Final open flow, 9 Mcf/d Final open flow, 3 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 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

Received  
Office of Oil & Gas

MAR 16 2015

06/12/2015

4708702969

FORMATION	DEPTH Top	DEPTH Bottom	DEPTH Top	DEPTH Bottom	Remarks Including indication of all free gas, water, oil, etc.
Shale			1312	1380	
Sand			1380	1442	
Shale			1442	1448	
Sand			1448	1508	
Shale			1508	1540	
Sand			1540	1546	
Shale			1546	1588	
Little Lime			1588	1620	
Pencil Cave			1620	1642	
Big Lime			1642	1684	
Loyalhanna			1684	1740	
Keener			1740	1758	
Big Injun			1748	1786	
Shale			1786	1804	
Squaw			1804	1830	
Shale			1830	1840	
Total Depth				1840	
Plug Back Depth				1817	

(Attach separate sheets to complete as necessary.)

**PENNZOIL COMPANY**

Well Operator

By Clinton G. Lucas  
Its Supervisor of Surveying and Mapping

**NOTE:** Regulation 2.02(f) 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."

Received  
Office of Oil & Gas

MAR 16 2015

03/12/2015

4708702969

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, BY A. HANCOCK, CO.

Fractured; 7-26-79  
w/142BW, 1000# 20/40 sd., 250 Gal. 15% HCL Acid

WELL LOG

FORMATION	Color	Hard or Soft	IC Top Feet	Bottom Feet	Remarks Including indication of all free and salt water, coal, oil and gas
Sand				34	
Shale				72	
Sand			34	72	
Shale			72	216	
Sand			216	236	
Shale			236	256	
Sand			256	294	
Shale			294	310	
Sand			310	318	
Shale			318	326	
Sand			326	342	
Shale			342	354	
Sand			354	368	
Shale			368	432	
Sand			432	458	
Shale			458	470	
Sand			470	492	
Shale			492	514	
Sand			514	528	
Shale			528	582	
Sand			582	590	
Shale			590	642	
Sand			642	662	
Shale			662	726	
Sand			726	806	
Shale			806	828	
Sand			828	874	
Shale			874	910	
Sand			910	964	
Shale			964	984	
Sand			984	1018	
Shale			1018	1032	
Sand			1032	1036	
Shale			1036	1062	
Sand			1062	1068	
Shale			1068	1084	
Sand			1084	1138	
Shale			1138	1312	

(Attach separate sheets to complete as necessary.)

PENNZOIL COMPANY

Well Operator

By Carroll A. Pearson

In Supervisor of Surveying and Mapping

NOTE: Regulation 2.02(f) 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."

Received  
Office of Oil & Gas

MAR 16 2015

06/12/2015



WW-9  
Rev. 5/08

Page 1 of 2  
API Number 47 - 087 - 2969 P  
Operator's Well No. O.D. Stockley # 170

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 Granny's Creek Quadrangle Newton

Elevation 888' GL County Roane District Geary

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 Disposal (Supply form WW-9 for disposal location)
- 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.

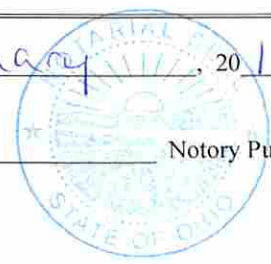
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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]  
Company Official (Typed Name) Rocky Roberts  
Company Official Title Senior V.P. Appalachian Operations

Received  
Office of Oil & Gas  
MAR 16 2015

Subscribed and sworn before me this 22nd day of January, 2015

Elizabeth R. Tebay  
Notary Public  
My commission expires 2-29-16



4708702969

**LEGEND**

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

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- 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

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

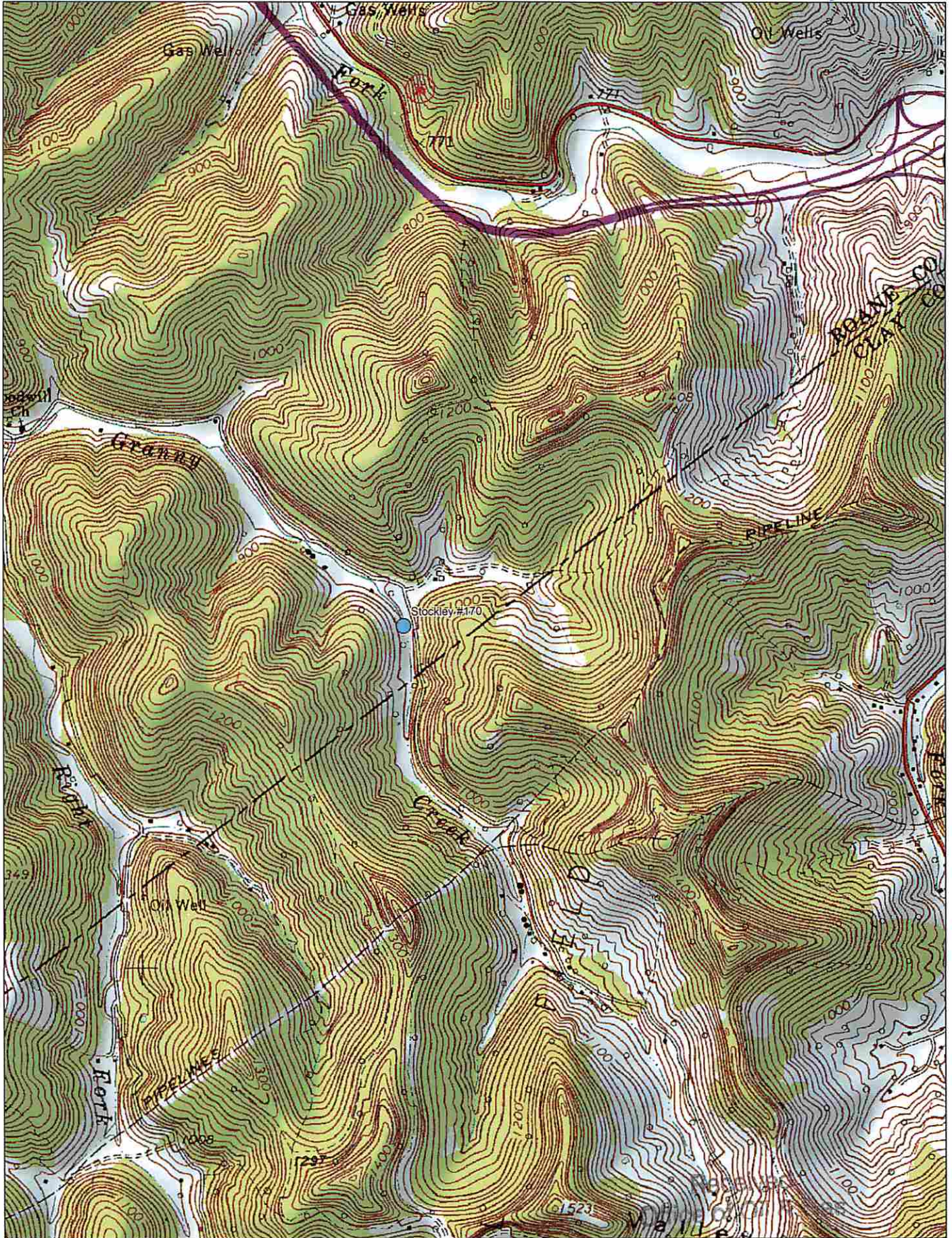
Received  
 Office of Oil & Gas  
 MAR 16 2015

Plan Approved by:

Comments: \_\_\_\_\_

Title: Inspector Date: 3/9/15  
 Field Reviewed? ( ) Yes (  ) No

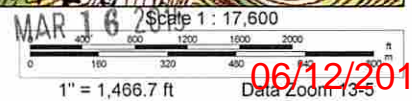
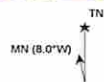




Data use subject to license.

© DeLorme. XMap® 7.

www.delorme.com



06/12/2015







47 087 02969

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

API: 47-087-02969 P WELL NO.: 170

FARM NAME: O.D. Stockley

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Roane DISTRICT: Geary

QUADRANGLE: Newton

SURFACE OWNER: Charles Drake

ROYALTY OWNER: Black Stone Minerals LLP

UTM GPS NORTHING: 4267108

UTM GPS EASTING: 486398 GPS ELEVATION: 939

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

- 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 Metzger  
Signature

Geologist  
Title

RECEIVED  
Office of Oil and Gas  
MAR 26 2015  
3/17/15  
Department of Environmental Protection  
Date



I

Operator: TRIAD HUNTER, LLC  
 API: 8702969  
 WELL No: O. D. STOCKLEY 170  
 Reviewed by: GCS Date: 6/9/15  
 15 Day End of Comment: 03/24/15

**CHECKLIST FOR FILING A PERMIT**

**Plugging**

- 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)