



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

May 07, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8702091, 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 181

Farm Name: STOCKLEY, O. D.

API Well Number: 47-8702091

Permit Type: Plugging

Date Issued: 05/07/2015

Promoting a healthy environment.

05/08/2015

I
NOW

Operator: TRIAD HUNTER, LLC
API: 8702091
WELL No: O. D. STOCKLEY 181
Reviewed by: gwm Date: 5/6/15
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)
- N/A* Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- N/A* Surface Owner Waiver *O & G OPERATOR IS S/O.*
- N/A* 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~~)

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.

8702091P

WW-4B
Rev. 2/01

1) Date January 20, 2015
2) Operator's
Well No. O.D. Stockley # 181
3) API Well No. 47-087 - 2091

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 971' 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:

- SET - 200' Bottom hole plug in 4 1/2" casing. through perforations
- 100' - Cut plug (4.5" csg.) Estimated cement top @ 1561'.
- 100' - Elevation plug @ 1000'.
- 100' - Surface casing plug @ 250' TO 150'
- 150' - Surface plug in 8 5/8" casing. FROM 150' TO SURFACE

- Note! 1. All cement plugs - Class A cement.
2. Gel spacers between all cement plugs.
3. No coal seams reported.

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INSTALL MONUMENT PER WV STATE CODE g/wm

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

Work order approved by inspector [Signature] Date 3/9/15

05/08/2015

8702091A

OG-10
Rev. - 9-71



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood Storage _____
Disposal _____ (Kind) _____

Quadrangle Newton 7.5'

Permit No. Roa-2091

Company Pennzoil Company
Address P. O. Box 1588, Parkersburg, WV
Farm O. D. Stockly Acres 4000
Location (waters) Granny's Creek
Well No. 181 Elev. 970.78'
District Geary County Roana
The surface of tract is owned in fee by _____
William Pearson
Address Clay, WV 25043
Mineral rights are owned by Mr. Wm. Hack, Agt.
Address City Bank, N.A., 399 Park Ave
New York, N.Y.
Drilling Commenced 5-15-78
Drilling Completed 5-19-78
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
2610			
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	200	200	125 sks.
7			
5 1/2			
4 1/2	1934	1934	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured 11-10-78 w/159BW, 1000# 20/40 sd., 250 Gal. 15% HCl.

Water Injection Well

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Squaw Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Shale			0	330		
Shale			330	400		
Sand			400	466		
Sandy Shale			466	550		
Shale			550	636		
Sand			636	742		
Sandy Shale			742	760		
Sand			760	839		
Sandy Shale			839	954		
Sand			954	1034		
Sandy Shale			1034	1202		
Sand			1202	1458		
Shale			1458	1466		
Sand			1466	1595		
Shale			1595	1642		
Sand			1642	1664		
Shale			1664	1696		
Little Lime			1696	1724		
Pencil Cave			1724	1744		
Big Lime			1744	1858		
Big Injun			1858	1884		
Shale			1884	1914		
Squaw			1914	1938		
Shale			1938	1942		

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* Indicates Electric Log tops in the remarks section.

05/08/2015

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Plug Back			1922			
Total Depth				1922		

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Date 2-14 1979

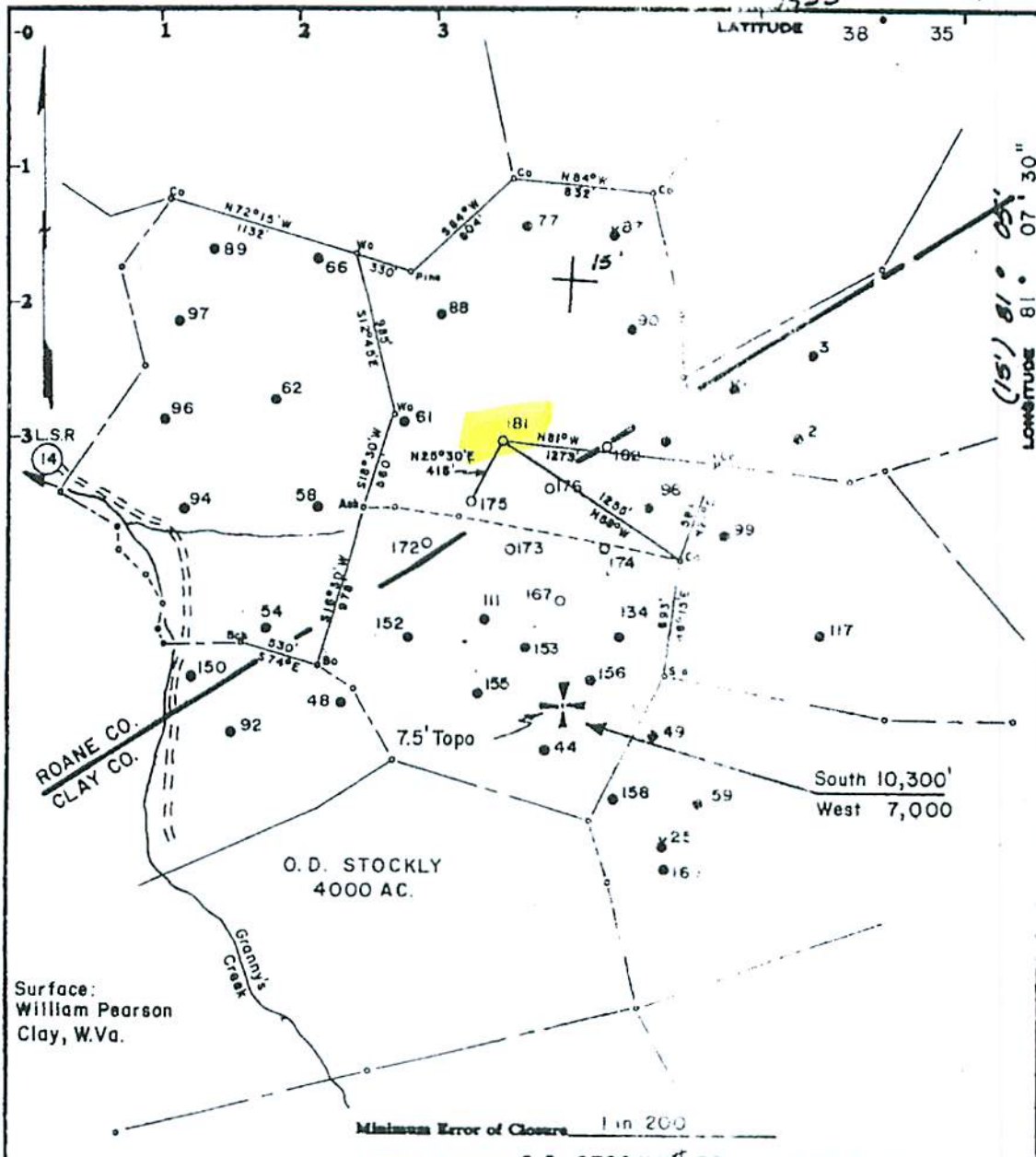
APPROVED Pennzoil Company Owner

By Curtis G. Resum
Chief Eng. Dept.

8702091A

4/17/78

1553



Minimum Error of Closure 1 in 200
 Sources of Elevation O.D. STOCKLY # 75, elev. 960.81

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Fracture
 New Location Water Injection
 Drill Deeper
 Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *Curtis A. Lucas*
 Map No. 83 Squares: N 61 E W 31

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Farm O. D. STOCKLY
 Tract Acres 4000 Lease No. 60643-50
 Well (Farm) No. 181 Serial No. _____
 Elevation (Spirit Level) 970.78
 Quadrangle NEWTON 7.5' OTTER 15'
 County ROANE District GEARY
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. 275
 File No. 640 Drawing No. _____
 Date 4-14-78 Scale 1" = 800

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. RQA-2091

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-087

BRUNING 44:131 27198

1905' Injection

05/08/2015

WW-4A
Revised 6-07

1) Date: 1/20/2015
2) Operator's Well Number
O.D. Stockley # 181

3) API Well No.: 47 - 087 - 2091

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>Triad Hunter, LLC</u>	Name <u>N/A</u>
Address <u>125 Putnam Street</u>	Address _____
<u>Marietta, Ohio 45750</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

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Office of Oil and Gas
MAR 16 2015

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

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.

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 971' 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
- 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]

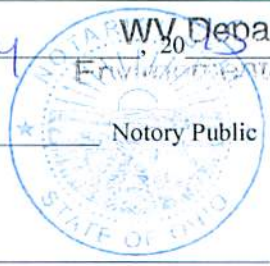
Company Official (Typed Name) Rocky Roberts

Company Official Title Senior V.P. Appalachian Operations

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MAR 16 2015

Subscribed and sworn before me this 22nd day of January

Elizabeth R. Sebay



WV Department of Environmental Protection
ELIZABETH R. SEBAY
NOTARY PUBLIC
In and for The State of Ohio
My Commission Expires 2-29-16

My commission expires 2-29-16

8702091P

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.

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MAR 16 2015

Plan Approved by:

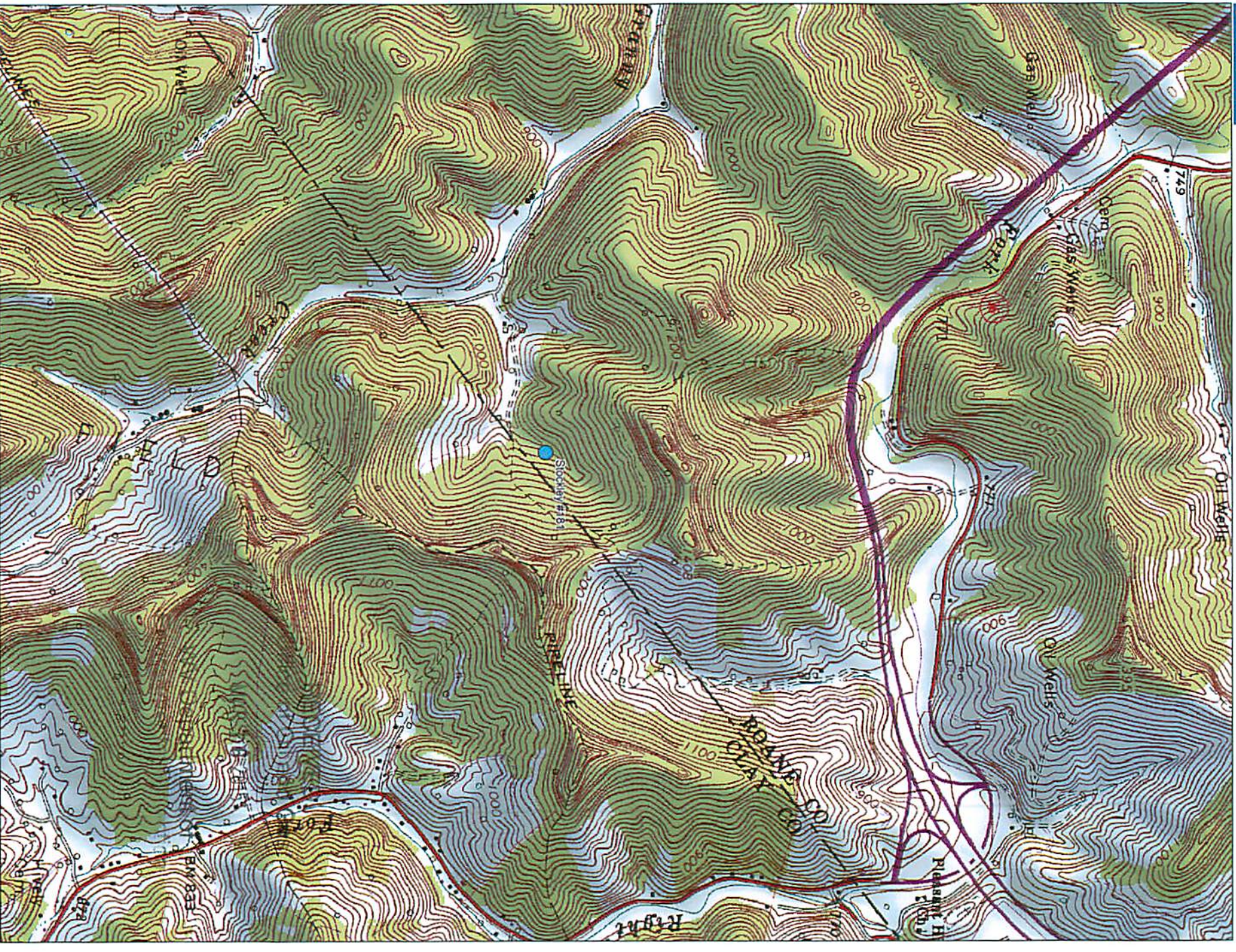
WV Department of
Environmental Protection

Comments: _____

Title: Inspector Date: 3/9/15

Field Reviewed? () Yes (X) No

8702091F



Data use subject to license.

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www.delorme.com



Scale 1 : 17,600

1" = 1,466.7 ft
Data Zoom 13-5

8702091P

WW-7
8-30-06



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

API: 47-087-02091 WELL NO.: 181

FARM NAME: O.D. Stockley

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Roane DISTRICT: Geary

QUADRANGLE: Newton

SURFACE OWNER: Triad Hunter, LLC

ROYALTY OWNER: Blackstone Minerals LLP

UTM GPS NORTHING: 4267404

UTM GPS EASTING: 486956 GPS ELEVATION: 1002'

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 : Post Processed Differential

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.

[Signature]
Signature

Geologist
Title

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3/17/15
West Virginia Department of Environmental Protection

05/08/2015