



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 28, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1501241, 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 148

Farm Name: STOCKLEY, O. D.

API Well Number: 47-1501241

Permit Type: Plugging

Date Issued: 04/28/2015

Promoting a healthy environment.

05/01/2015

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.

1501241P

WW-4B
Rev. 2/01

1) Date January 20, 2015
2) Operator's
Well No. O.D. Stockley # 148
3) API Well No. 47-015 - 1241

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 977.5' GL Watershed Granny's Creek
District Henry County Clay 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 Name Ed Gainer 9) Plugging Contractor 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:

- 200' Bottom hole plug in 4 1/2" casing. *Across perforations*
- 100' - Cut plug (4.5" csg.) Estimated cement top @ 1538'.
- 100' - Elevation plug @ 1000'.
- 100' - Surface casing plug @ 175'.
- 150' - Surface plug in 8 5/8" casing. } *250' CEMENT PLUG FROM SURFACE TO 250'*

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

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

05/01/2015

1501241P

PENNZOIL COMPANY

NEW WELL REPORT

LEASE No. 60643-50 4000 ACRES

WORKING DISTRICT Central Area

O. D. Stockly FARM

(WIW)

Map #83

WELL No. 148 N. _____ S. 61-62 E. _____ W. 31-32

Henry DISTRICT OR TOWNSHIP

Clay COUNTY

Otter 15' QUAD.

LOCATION MADE August, 19 77

DRILLING COMMENCED September 1, 19 77

DRILLING EQUIPMENT USED SPUDDER ROTARY

DRILLING COMPLETED September 5, 19 77

DRILLING EQUIPMENT FURNISHED BY Clint Hurt & Assoc., Inc.

TOTAL DEPTH 1927'
PBD 1899' SAND Big Injun

ELEVATION: FLOOR _____

DRILLING CONTRACTOR Clint Hurt & Assoc., Inc.

ELEVATION: GROUND 977.51

WORK ORDER No. 70-27900

KB 8' Above Ground Level.

FORMATION RECORD

KIND	TOP	BOTTOM	STEEL LINE MEAS.	TEST	KIND	TOP	BOTTOM	STEEL LINE MEAS.	TEST
8 5/8" OD Csg.		157.28	GL						
Sand Stone	0	68							
Shale	68	154							
Shaley S. Stone	154	288							
Shale	288	311							
Sand Stone	311	330							
Shale	330	352							
Sand Stone	352	509							
Shale	509	552							
Shaley S. Stone	552	880							
Shale	880	952							
Sand Stone	952	986							
Sandy Shale	986	1103							
Sand Stone	1103	1160							
Shale	1160	1215							
Sand Stone	1215	1400							
Sandy Shale	1400	1490							
Shaley S. Stone	1490	1584							
Shale	1584	1620							
Sand Stone	1620	1640							
Little Lime	1640	1694							
Blue Monday	1694	1724							
Big Lime	1724	1765							
Loyalhanna	1765	1838							
Keener	1838	1849							
Big Injun	1849	1877							
Shale	1877	1906							
Squaw	1906	1920							
Shale	1920	1928							
1/2" Casing		1911.22'	GL						
TOTAL DEPTH		1928'							
PB DEPTH		1899'							

RECEIVED
Office of Oil and Gas
MAR 16 2015
WV Department of
Environmental Protection

05/01/2015

NEW WELL REPORT - CONTINUED

150241P

G.L.

INITIAL TORPEDO RECORD

CASING AND TUBING RECORD

Date of Shot	SIZE	PUT IN WELL			PULLED OUT		
		TRANSFER NO.	FEET	INCH	TRANSFER NO.	FEET	INCH
Name of Torpedo Co.	8 5/8"		157	28			
No. of Quarts	Casing						
Length of Shell							
Diameter of Shell	4 1/2"						
Length of Anvil	Casing		1911	22			
Top of Shot							
Bottom of Shot							
Level of Fluid in Hole When Shot							
Results:							

INITIAL PRODUCTION FIRST 24 HOURS

Open Flow /10ths Water in.....Inch
 /10ths Merc. in.....Inch
 Volume.....Cu. Ft.
 Rock Pressure.....lbs.....hrs.
 Oil.....bbls., First 24 hrs.

G.L.

PACKER RECORD

KIND	SIZE	DEPTH SET	DATE SET
Steel Shoe	8 5/8"	157'	9-2-77
Guide Shoe	4 1/2"	1911'	9-5-77
Latch D. Plug	4 1/2"	1899'	9-5-77
Latch D. Baffle	4 1/2"	1899'	9-5-77

ACIDIZATION OR FRACTURING RECORD

DATE WELL ACIDIZED.....
 DATE WELL FRACTURED.....
 NAME OF COMPANY.....
 (List below materials used in Acidizing or Fracturing, i.e., Sand, Crude Oil, Gasoline, Water, Kerosene, Mothballs, Acid, etc., giving gallons, barrels and pounds.)

 BREAKDOWN PRESSURE.....
 PUMPING PRESSURE.....
 AVERAGE PUMPING RATE/MINUTE.....
 PUMPING TIME.....
 RESULT AFTER TREATMENT } GAS..... CU. FT.
 } OIL..... BBLB.
 ROCK PRESSURE AFTER TREATMENT..... LBB.

G.L.

CASING CEMENTED

8 5/8 SIZE 157 FT. 9-2-77 DATE
 BAGS USED 70
 4 1/2" SIZE 1911 FT. 9-5-77 DATE
 BAGS USED 75
 SIZE FT. DATE
 BAGS USED
 SIZE FT. DATE
 BAGS USED
 TOP DEPTH OF CEMENT SET..... TEMPERATURE LOG
 RECEIVED
 Office of Oil and Gas
 MAR 6 2015

REMARKS: USED: Two (2) 8 5/8" Centralizers
 Five (5) 4 1/2" Centralizers and Ten (10) 4 1/2" Scratchers

WV Department of Environmental Protection

Well Logged By Basin Surveys, Inc. September 5, 1977

05/01/2015

This well was drilled according to Rule 11, Under Section 13 of Article 4, Chapter 22 of the Code of the Department of Mines, Oil & Gas Division.

APPROVED

R. S. Kelley

SUPERINTENDENT

Well Name: O. D. STOCKLY

Well No. 148

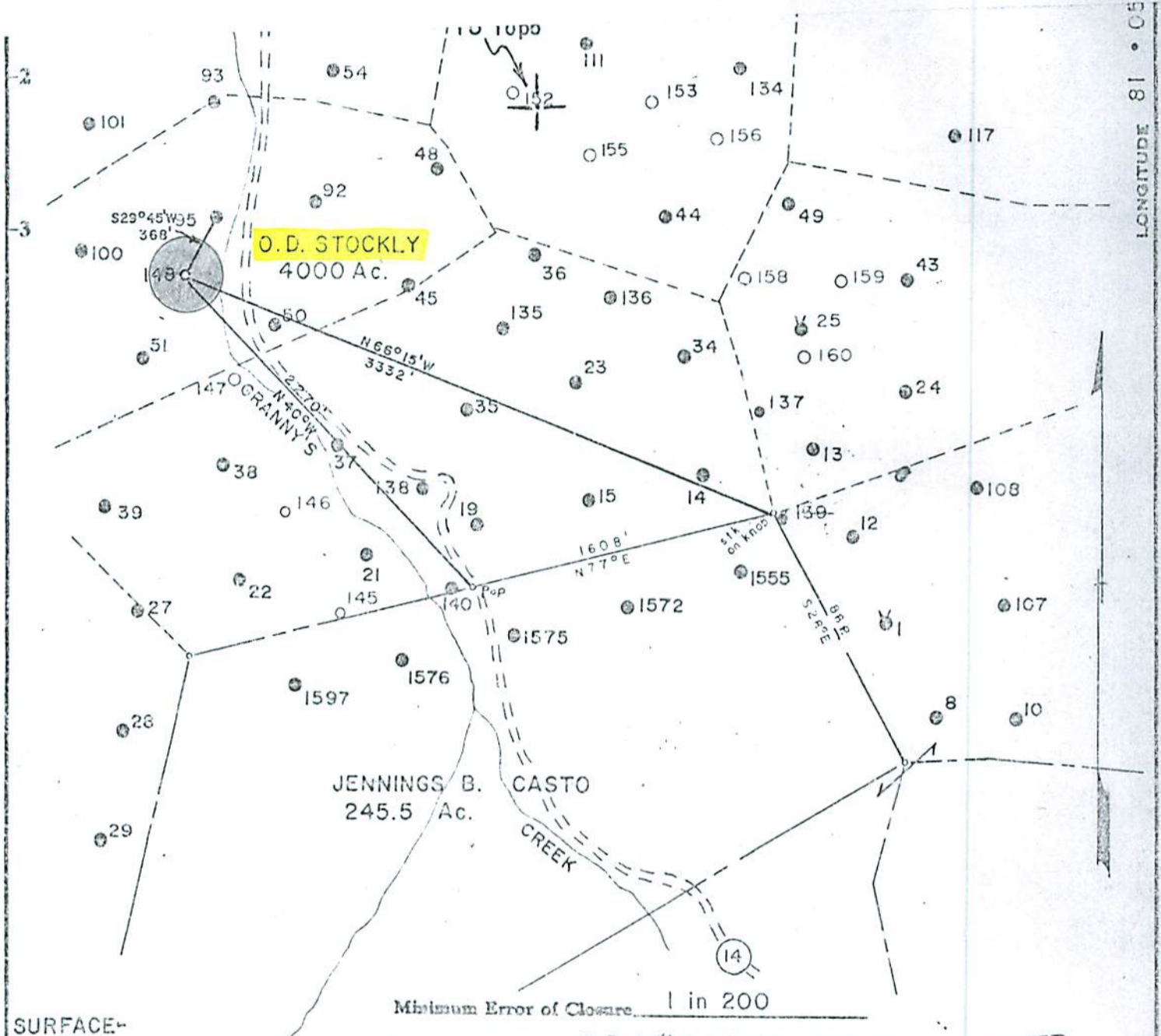
Map No. 83 | 1501241P

Exploration Department
Petroleum Engineering Department
Land Department
District Superintendent
Division Manager

Approval
TEH
JFB
Cub
8-1-77
JLC

Date
7-28-77
7-28-77
7/28/77
9-1-77
8-1-77

Remarks
WFW



Minimum Error of Closure 1 in 200

Source of Elevation O. D. S. # 95, ELEV. 906.00

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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 the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Map No. 83

Signed:

Squares: N

WV Department of
Mines and Reclamation

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. 148 Serial No. _____
Elevation (Spirit Level) 977.51
Quadrangle OTTER 15'
County CLAY District HENRY
Surveyor CURTIS A. LUCAS
Surveyor's Registration No. 275
File No. 640 Drawing No. _____
Date 7-25-77 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. _____

05/01/2015

+ 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.

PLANNING 44-131 27198

150124P

WW-4A
Revised 6-07

1) Date: 1/20/2015
2) Operator's Well Number
O.D. Stockley # 148
3) API Well No.: 47 - 015 - 1241

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:

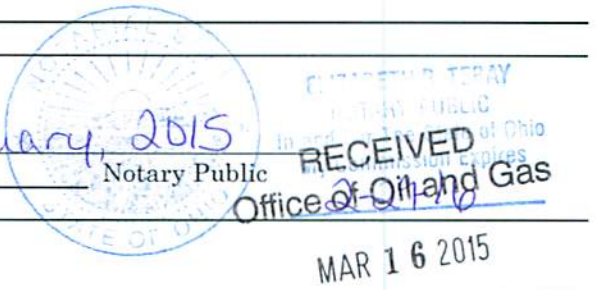
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

Subscribed and sworn before me this 22nd day of January, 2015
Elizabeth R. Lebay 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 course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. The 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 depprivacyofficer@wv.gov.

05/01/2015

SURFACE OWNER WAIVER

Operator's Well
Number

O.D. Stockley # 148

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

RECEIVED
Office of Oil and Gas

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and have agreed to pay the fee.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,
PARTNERSHIP, ETC.

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date
05/01/2015

1501241P

WW-9
Rev. 5/08

Page 1 of 2
API Number 47 - 015 - 1241
Operator's Well No. O.D. Stockley # 148

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 977.5' 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"

ANY WELL EFFLUENT MUST BE
CONTAINED IN TANKS & DISPOSED
OF PROPERLY. g-wm

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.

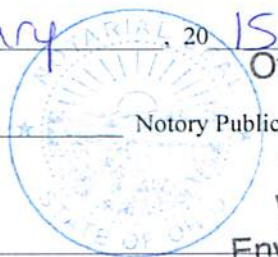
Company Official Signature [Signature]

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior V.P. Appalachian Operations

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

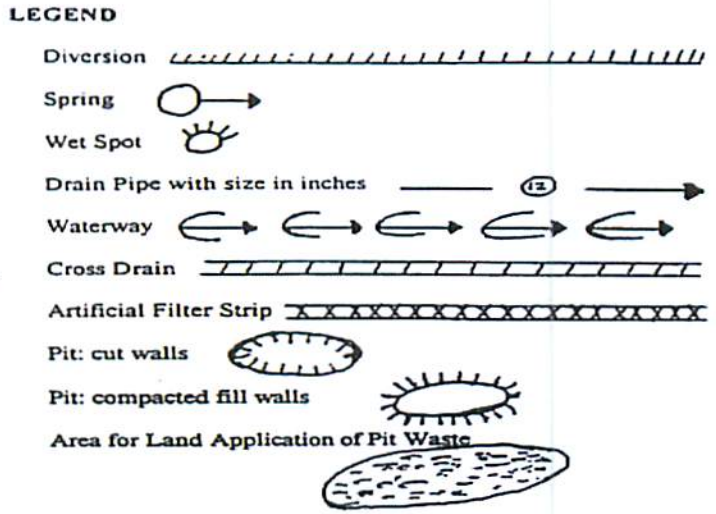
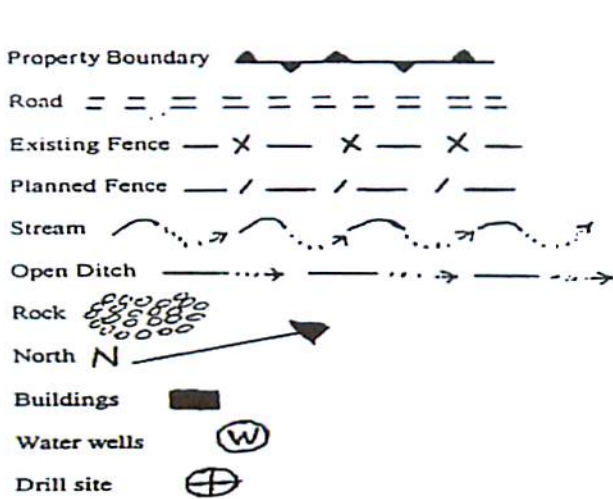
[Signature]



My commission expires 2-29-16

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Office of Oil and Gas
MAR 16 2015
WV Department of Environmental Protection

05/01/2015



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		Area II	
Seed Type	lbs/acre	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: 

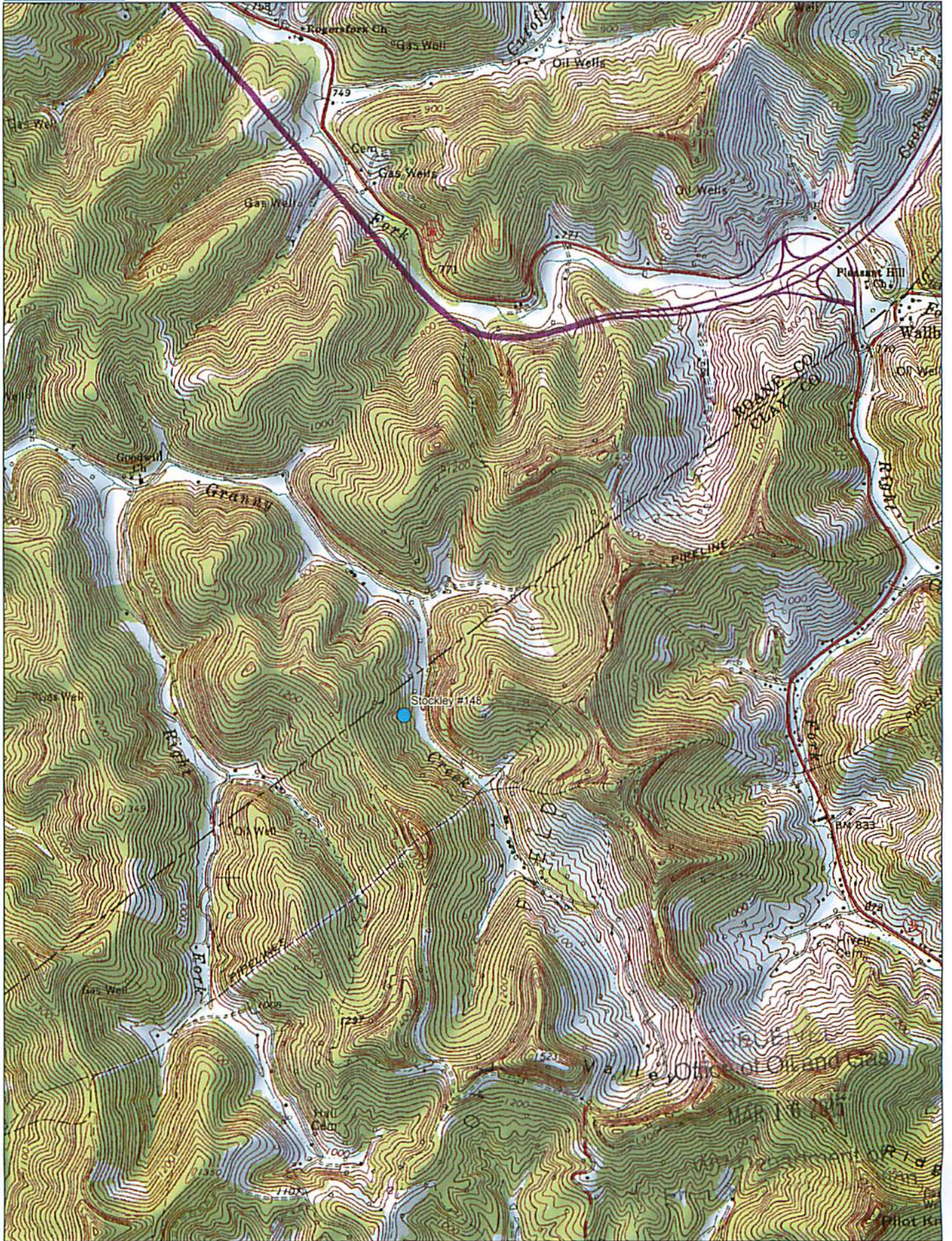
Comments: _____

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Title: Inspector Date: 3/9/15 MAR 16 2015

Field Reviewed? () Yes () No

WV Department of Environmental Protection



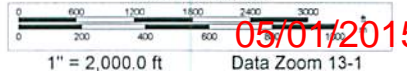
Data use subject to license.

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www.delorme.com



Scale 1 : 24,000



1" = 2,000.0 ft

Data Zoom 13-1

05/01/2015

1501241P

WW-7
8-30-06



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

API: 47-015-01241 WELL NO.: 148

FARM NAME: O.D. Stockley

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Clay DISTRICT: Henry

QUADRANGLE: Newton

SURFACE OWNER: Triad Hunter, LLC

ROYALTY OWNER: Black Stone Minerals LLP

UTM GPS NORTHING: 4266697

UTM GPS EASTING: 486318 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:

- 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.

[Signature]
Signature

Geologist
Title

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

05/01/2015