



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

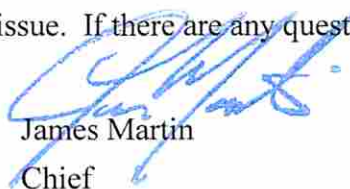
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8703976, 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: W.M. LOONEY 46
Farm Name: LLOYD, JAMES
API Well Number: 47-8703976
Permit Type: Plugging
Date Issued: 06/11/2015

4708703976

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.

06/12/2015

WW-4A
Revised 6-07

1) Date: 1/20/2015
2) Operator's Well Number
W.M. Looney # 46

3) API Well No.: 47 - 087 - 3976 **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>James Lloyd</u>	Name <u>N/A</u>
Address <u>549 Tariff Road</u>	Address _____
<u>Left Hand, WV 25251</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. Terry 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 depprivacyofficer@wv.gov.

4708703976

87-3976P



7014 0150 0000 9042 1354

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at 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: James Lloyd
 Street, Apt. No., or PO Box No.: 549 Tariff Rd
 City, State, ZIP+4: Lett Hand, WV 25251

PS Form 3800, August 2006 See Reverse for Instructions

James Lloyd

W.M. LOONEY

#46, #49, #50, #52

(4 wells)

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

MPB
&
Expert Solutions.
www.morgantownprinting.com

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

06/12/2015

4708703976

- 1) Date January 20, 2015
- 2) Operator's
Well No. W.M. Looney # 46
- 3) API Well No. 47-087 - 3976

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 1012' GL Watershed Trace Fork
District Smithfield County Roane Quadrangle Tariff
- 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
Address P.O. Box 821
Spencer, WV 25276
- 9) Plugging Contractor
Name N/A
Address _____

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 perforations*
- 100' - Cut plug (4.5" csg.) Estimated cement top @ 1545'.
- 100' - Elevation plug @ 1,025'
- 100' - Surface casing plug @ 424'.
- 150' - Surface Plug inside 8 5/8" casing.

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

ERECT MONUMENT w/API# GCS 6/10/15

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

Work order approved by inspector _____



Date _____

Received
Office of Oil & Gas
MAR 16 2015

06/12/2015



W-35

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date Nov 25, 1986
Operator's Well No. 46
From W. M. Looney
API No. 47 - 087 - 3976-L1

WELL OPERATOR'S REPORT
OF

4708703976

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1012' Watershed Trace Fork
District: Smithfield-County Roane Quadrangle Tariff 7.5'

COMPANY Pennzoil Company
ADDRESS P.O. Box 1588, Parkersburg, WV 26102
DESIGNED BY James A. Crews
ADDRESS P.O. Box 1588, Parkersburg, WV 26102
SUPERVISOR James Lloyd
ADDRESS Lefthand, WV 25251
MINERAL RIGHTS OWNER Keith Crihfield
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty
ADDRESS Linden Rt., Bpx 3A, Looneyville, WV
PERMIT ISSUED 4-16-85
DRILLING COMMENCED 5-16-86
DRILLING COMPLETED 5-20-86
IF APPLICABLE: FUGGING OF DRY HOLE OR
CONTINUOUS PROGRESSION FROM DRILLING OR
FLOWING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement Fill in Pipe
Size 20-16			
18-10"			
8 5/8			
8 5/8	415	415	200 sks
7			
5 1/2			
4 1/2	2142	2142	120 sks
3			
2			
Lines used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 2020 feet
Depth of completed well 2152 feet Pottery X / Cable Tools
Water source depth: Fresh n/a feet; Salt 1850 feet
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation WIW 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
(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

Received
Office of Oil & Gas
MAR 16 2015

06/12/2015

(Continue on reverse side)

RECORD OF PERFORATED INTERVALS, FRACURING OR STIMULATING, PERMITS CHANGE, III

4708703976

Fractured; 6-23-86

Perforated: 2034-48/15H

Big Injun w/250 gals. 15% HCL, 145 bbls., 20# gelled water, 1500# 20/40 sd.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including concentration of all in and salt water, coal, oil and
			0	30	
Sand			30	52	
Silty Sand			52	134	
Silty Shale			134	142	
Sand			142	252	
Silty Shale			252	1542	
Sand, Shale			1542	1722	
1st Salt Sand			1722	1732	
Shale			1732	1785	
2nd Salt Sand			1785	1820	
Shale			1820	1850	
3rd Salt Sand			1850	1885	
Little Lime			1885	1890	
Blue Monday			1890	1908	
Pencil Cave			1908	2013	
Big Lime			2013	2020	
Keener			2020	2048	
Big Injun			2048	2152	
Pocono Shale				2152	
Total Depth					

Received
Office of Oil & Gas
MAR 16 2015

(Attach separate sheets if necessary)

Pennzoil Company
Well Operator
By: Curtis
Date: 6-86

06/12/2015

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

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 Trace Fork Quadrangle Tariff

Elevation 1012' GL County Roane District Smithfield

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.

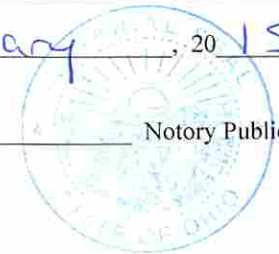
Company Official Signature *Rocky Roberts*

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

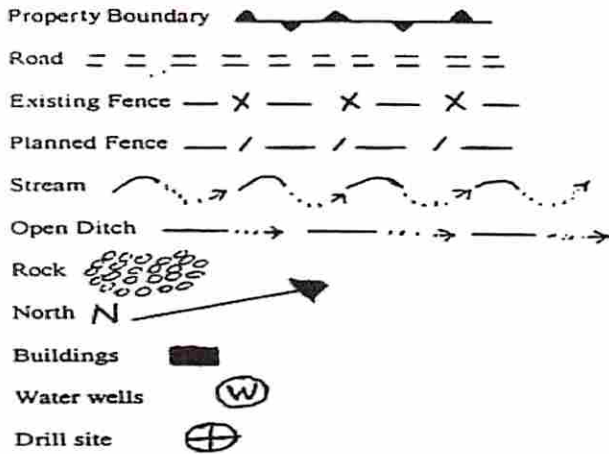
Elizabeth R. Lebg



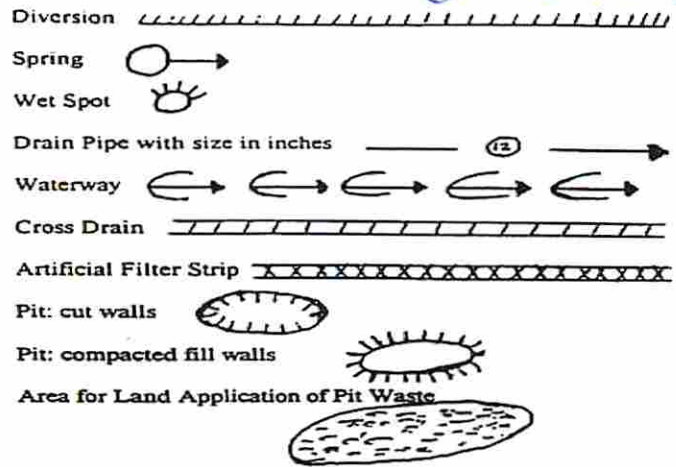
Received
NOTARY PUBLIC
Office of Oil & Gas
My Commission Expires
MAR 26 2015

My commission expires 2-29-16

87-3976P



LEGEND



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.

Plan Approved by: [Signature]
 Comments: _____

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

Received
 Office of Oil & Gas
 MAR 16 2015

Well Name: W. M. Looney
 Lease No. 60218-50

Well No. 46

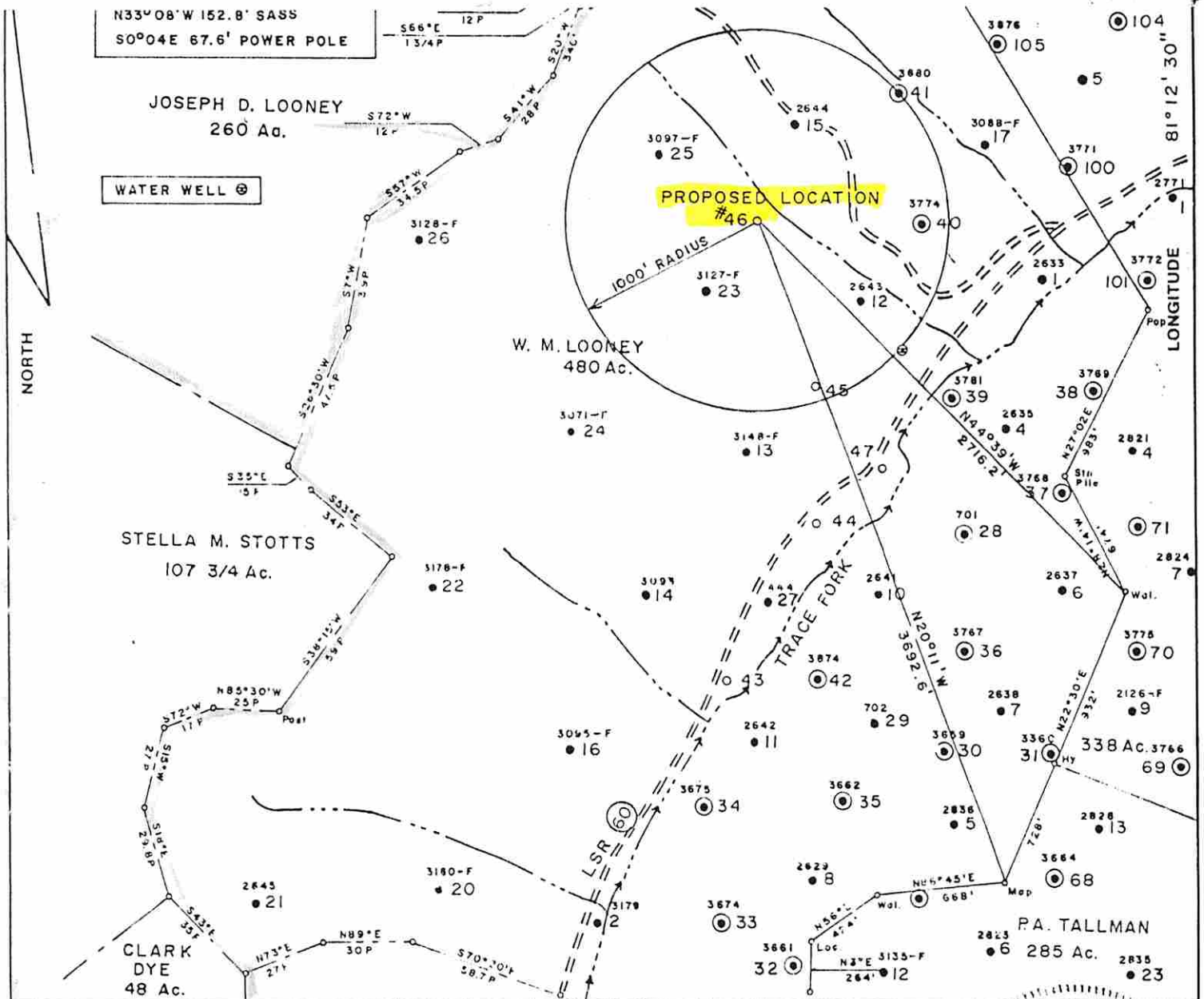
Map No. 72

Exploration Department
 Petroleum Engineering Department
 Land Department
 District Superintendent
 District Manager
 Division Manager

Approval
[Signature]
[Signature]
[Signature]
[Signature]

Date
3/4/85
3/1/85
3/11/85
3-11-85
3-14-85

Remarks
47 087 03976



FILE NO. 425
 MAP 72 SOS S54 W35
 SCALE 1"=800'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION WM. L. *30-1076.63

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MARCH 7, 1985
 FARM W. M. LOONEY NO. 46
 API WELL NO.

47 - 087
 STATE COUNTY PERMIT

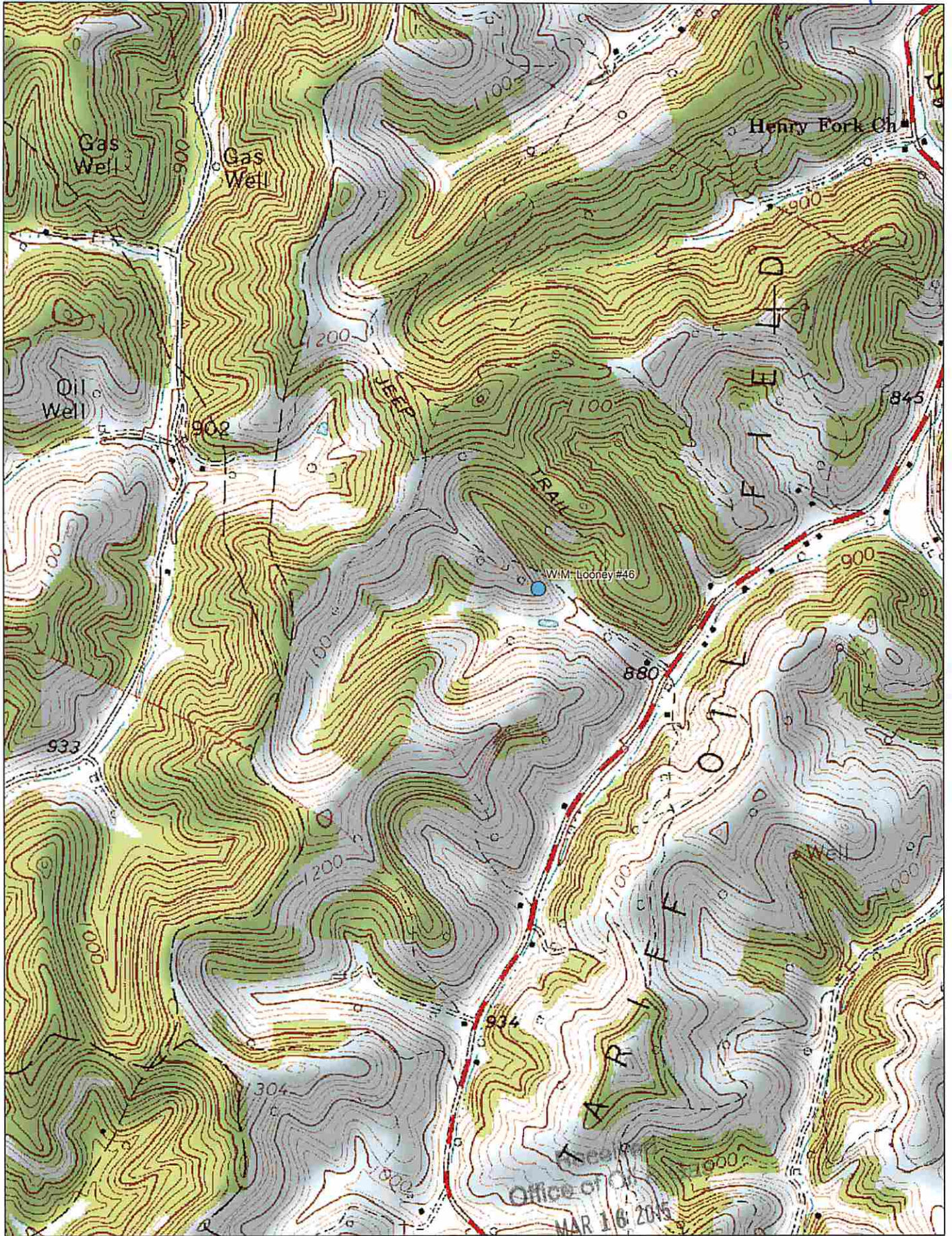
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS:") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1,012' WATER SHED TRACE FORK
 DISTRICT SMITHFIELD COUNTY ROANE
 QUADRANGLE TARIFF 7 1/2

SURFACE OWNER JAMES C. LLOYD ACREAGE 136 Ac.
 OIL & GAS ROYALTY OWNER KEITH CRIHFIELD LEASE ACREAGE 480 Ac.
 LEASE NO. 60218-50

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 BIG INJUN ESTIMATED DEPTH 2,155'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 1588 ADDRESS P.O. BOX 1588
PARKERSBURG W.V. 26101 PARKERSBURG W.V. 26101

06/12/2015
 Office of Oil & Gas
 MAR 16 2015



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06/12/2015

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-087-03976 P WELL NO.: 46

FARM NAME: W.M. Looney

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Roane DISTRICT: Smithfield

QUADRANGLE: Tariff

SURFACE OWNER: James Lloyd

ROYALTY OWNER: TUW Anna Lee Collins

UTM GPS NORTHING: 4279125

UTM GPS EASTING: 481298 GPS ELEVATION: 972

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 prescribed by the Office of Oil and Gas.

Ben Smeltzer
Signature

Geologist
Title

RECEIVED
Office of Oil and Gas
MAR 26 2015
3/27/15
Department of
Environmental Protection
Date

06/12/2015

I

Operator: TRIAD HUNTER, LLC

API: 8703976

WELL No: W.M. LOONEY 46

Reviewed by: GCS Date: 6/10/15

15 Day End of Comment: 06/24/15

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)