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**west virginia** department of environmental protection

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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](http://www.dep.wv.gov)

October 18, 2013

**WELL WORK PERMIT**

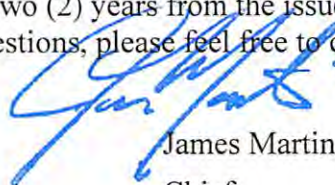
**Re-Work**

This permit, API Well Number: 47-8703590, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: C.W. RADEKER NO. 26  
Farm Name: NUTTER, JOHANNA G. , ET AL  
**API Well Number: 47-8703590**  
**Permit Type: Re-Work**  
Date Issued: 10/18/2013

**Promoting a healthy environment.**

# 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

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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.

8703590A

WW - 2B  
(Rev. 8/10)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

87      06      616

1) Well Operator: Triad Hunter, LLC      494494833      Roane      Spencer      Spencer  
Operator ID      County      District      Quadrangle

2) Operator's Well Number: C.W. Radeker # 26      3) Elevation: 823' G.L.

4) Well Type: (a) Oil  or Gas   
(b) If Gas: Production  / Underground Storage \_\_\_\_\_  
Deep \_\_\_\_\_ / Shallow

5) Proposed Target Formation(s): Berea Sandstone      Proposed Target Depth: 2322'-2344'  
6) Proposed Total Depth: 2389' Feet      Formation at Proposed Total Depth: ~~Miss~~ Shale Devonian  
7) Approximate fresh water strata depths: Surface - 200 feet  
8) Approximate salt water depths: @ 1000 feet

9) Approximate coal seam depths: Unknown

10) Approximate void depths,(coal, Karst, other): None

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)  
Re-perforate the Berea Sandstone and shoot Gas Gun to enhance formation penetration, pump nitrogen and solvent mixture into the Berea Formation and let sit overnight, flow and/or swab well into production tank, turn well back in-line once the nitrogen concentration in the gas is below 5%.

13) 9/13/13 **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	8 5/8			378'	378'	160 sks. ( 189 cu.ft.)
Coal						
Intermediate						
Production	4 1/2			- 0 -	2396'	120 sks. ( 151 cu.ft.)
Tubing						
Liners						

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Packers: Kind: \_\_\_\_\_  
          Sizes: \_\_\_\_\_  
          Depths Set \_\_\_\_\_

WV Department of  
Environmental Protection



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Spencer 7.5'

Permit No. 47-087-3590

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

Company Pennzoil Company  
 Address P.O. Box 1588, Parkersburg, WV 26101  
 Farm C. W. Radeker Acres 2028  
 Location (waters) Lee's Run  
 Well No. 26 Elev. 823.85'  
 District Spencer County Roane  
 The surface of tract is owned in fee by \_\_\_\_\_  
John A. Nutter  
 Address 1921 Suzanne Lane, Lakeland, Florida  
 Mineral rights are owned by Pennzoil Company  
 Address Parkersburg, WV  
 Drilling Commenced 8-13-82  
 Drilling Completed 8-16-82  
 Initial open flow 2000 cu. ft. 1/2 bbls.  
 Final production 2000 cu. ft. per day 1/2 bbls.  
 Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	378	378	160 sks.
7			
5 1/2			
4 1/2	2396	2396	120 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured: 11-3-82 w/250 gls. 15% HCL, 210 BGW, 2000# 20/40 sd

Perf: 2322-34; 2336-44-20H

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Berea Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	395		
Shale			395	467		
Sand			467	547		
Shale & Sand			547	1752		
Little Lime			1752	1776		
Pencil Cave			1776	1786		
Big Lime			1786	1920		
Big Injun			1920	1940		
Shale			1940	2302		
Coffee Shale			2302	2316		
Berea			2316	2346		
Shale			2346	2389		
Total Depth				2389		

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8703590R

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

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Date Jan 17 1983  
APPROVE:() DENN 2014 CO  
Curtis A. Lewis 0-  
Supervisor, Surveying & Mapping

CK#26703 8503590R  
2200.00

WW-2A  
(Rev. 6-07)

1.) Date: September 12, 2013  
2.) Operator's Well Number C.W. Radeker # 26  
State 47- County 087 Permit 3590  
3.) API Well No.:

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served: (a) Name John Nutter et al ✓ Address 2238 Mulberry Road  
Spencer, WV 25276  
(b) Name \_\_\_\_\_ Address \_\_\_\_\_  
(c) Name \_\_\_\_\_ Address \_\_\_\_\_  
6) Inspector Ed Gainer Address P.O. Box 821  
Spencer, WV 25276 Telephone (304)389-7582  
5) (a) Coal Operator Name N/A Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration Name N/A Address \_\_\_\_\_  
(c) Coal Lessee with Declaration Name N/A Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)  
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator Triad Hunter, LLC  
By: Rocky Roberts  
Its: Senior VP of Appalachian Operations  
Address 125 Putnam Street  
Marietta, Ohio 45750  
Telephone (740)374-2940

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Environmental Protection

Subscribed and sworn before me this 16<sup>th</sup> day of September, 2013

Elizabeth R. Tebay  
My Commission Expires 2-27-16  
Oil and Gas Privacy Notice  
Notary Public  
ELIZABETH R. TEBAY  
NOTARY PUBLIC  
In and For The State of Ohio  
My Commission Expires

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](mailto:depprivacyofficer@wv.gov)

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Energy Acquisition Corporation (4/19/02)	Triad Energy	1/8	213/23
TRINA ENERGY CORP.	TRIAD HUNTER, LLC	1/8	ASSIGNMENT 245/399

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

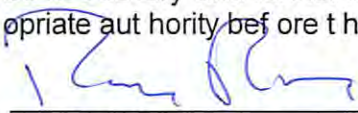
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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:  
By:Its:

  
 \_\_\_\_\_  
 Triad Hunter, LLC  
 \_\_\_\_\_  
 Senior VP Appalachian Operations

DAVID E MORRISON  
2200 ROSS AVE SUITE 2800  
DALLAS, TX 75201-2784

Charles B White Jr  
ROANE County 11:34:42 AM  
Instrument No 2075903  
Date Recorded 02/16/2010  
Document Type AS  
Book-Page 245-269  
Recording Fee \$196.00  
Additional \$25.00

BOOK 245 PAGE 269

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WHEN RECORDED, RETURN TO:

David E. Morrison  
2200 Ross Avenue  
Suite 2800  
Dallas, TX 75201-2784

Ritchie, Tyler, Pleasants, Calhoun, Lewis, Roane, Wayne, Wirt, Wood, Clay,  
and Harrison Counties, West Virginia

**ASSIGNMENT, CONVEYANCE AND BILL OF SALE**

This Assignment, Conveyance and Bill of Sale (the "Assignment") from Triad Energy Corporation ("Grantor"), to Triad Hunter, LLC ("Grantee") whose address is 777 Post Oak Blvd., Ste. 910, Houston, Texas 77056, is executed on the date set forth on the signature page hereof (the "Execution Date"), and made effective as of 7:00 a.m. Eastern Standard Time, February 12, 2010 ("Effective Date") and is subject to the Asset Purchase Agreement dated October 28, 2009 (the "Purchase Agreement"), by and among Triad Energy Corporation and its affiliates, and Magnum Hunter Resources Corporation and its affiliates, dated October 28, 2009 as amended as of January 22, 2010 (the "Purchase Agreement"). This Assignment is made pursuant to the Order Confirming Joint Plan of Reorganization of Triad Resources, Inc., *et al.* dated October 30, 2009, as Modified January 25, 2010, and attached hereto as Exhibit A (the "Confirmation Order"). Capitalized terms used but not defined herein shall have the respective meanings set forth in the Purchase Agreement, the terms of which are expressly subject to and incorporated herein by reference.

ARTICLE 1.

**Assignment of Oil and Gas Interests**

Section 1.1 Assignment: Grantor, for and in consideration of the sum of Ten Dollars (\$10) cash and other good and valuable consideration, in hand paid, the receipt and sufficiency of which is hereby acknowledged, hereby grants, bargains, sells,



TRIAD ENERGY CORPORATION TO TRIAD HUNTER LLC  
ROANE COUNTY, WEST VIRGINIA

WELL NAME	PERMIT NO.	LESSOR	LESSEE	VOL/PG	DISTRICT	COUNTY	ST	ACRES
Blosser, Jane								
#5	47-087-4016							
King, Helen B.								
#3	47-087-3448							
King, Helen B.								
#6	47-087-4892							
Nutter, W.J. #10	47-087-3638							
Nutter, W.J. #11	47-087-4022							
Nutter, W.J. #4	47-087-1087							
Nutter, W.J. #5	47-087-3910							
Nutter, W.J. #6	47-087-3348							
Nutter, W.J. #7	47-087-3437							
Nutter, W.J. #8	47-087-3436							
Nutter, W.J. #9	47-087-3637							
Radaker, C. W.								
#1	47-087-2696							
Radaker, C. W.								
#23	47-087-3349							
Radaker, C. W.								
#24	47-087-3589							
Radaker, C. W.								
#25	47-087-3629							
Radaker, C. W.								
#26	47-087-3590							
Radaker, C. W.								
#27	47-087-3591							
Radaker, C. W.								
#28	47-087-3630							
Radaker, C. W.								
#29	47-087-3631							
Radaker, C. W.								
#30	47-087-3592							
Radaker, C. W.								
#31	47-087-3593							
Radaker, C. W.								
#32	47-087-3594							

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BOOK 245  
PAGE 399

87035902

WW-2A Coal Waiver

( NOT Applicable )

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Roane  
Operator Triad Hunter, LLC

Operator's Well Number C.W. Radeker # 26

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. 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.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature

Date

\_\_\_\_\_  
Company Name  
By  
Its  
\_\_\_\_\_  
Date

Signature

Date

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WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 087 - 3590  
Operator's Well No. C.W. Radeker # 26

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Triad Hunter, LLC OP Code \_\_\_\_\_

Watershed (HUC 10) Lee's Run Quadrangle Spencer 7.5 min.

Elevation 823 GL 833 KB County Roane District Spencer

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_\_\_ No X

Will a pit be used for drill cuttings? Yes \_\_\_\_\_ No X

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes \_\_\_\_\_ No \_\_\_\_\_ If so, what ml.? \_\_\_\_\_

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 Completion fluids will be flowed back into production tank; no water will be used in treatment.)

Will closed loop system be used? No

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A - No cuttings

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

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 VP Appalachian Operations

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Subscribed and sworn before me this 11<sup>th</sup> day of September, 2013

Elizabeth R. Leagy



WV Department of Environmental Protection  
Notary Public  
My commission expires 2-29-14

My commission expires \_\_\_\_\_

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) 600 lbs/acre (500 lbs minimum)


Mulch 90-100 bales/acre 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%		

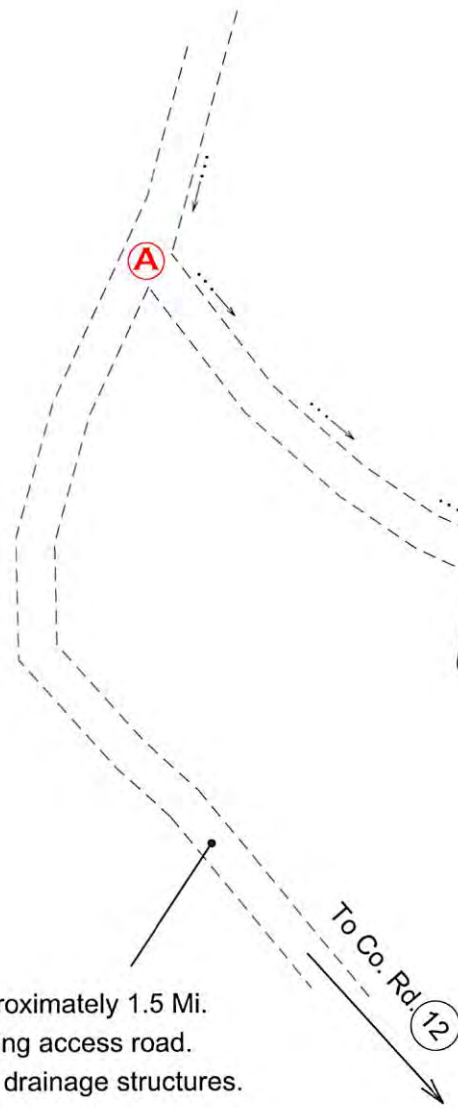
Attach:  
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

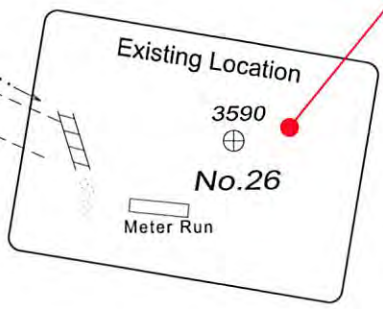
Plan Approved by:   
Comments: \_\_\_\_\_

Title: Inspector Date: 9/13/13  
Field Reviewed? ( ) Yes ( X ) No

Reclamation Plan For:  
C.W. Radeker No.26  
47-087-3590



**NOTE:**  
WELL LOCATION WAS BUILT AND RECLAIMED UNDER DRILLING PERMIT No.47-087-3590. ONLY MINIMAL EARTHWORK WILL BE REQUIRED FOR PROPOSED WELL WORK. ALL DISTURBED AREAS WILL BE RE-VEGETATED AS PER THE SEEDING PLAN ON FORM WW-9. NO WORK-OVER PIT WILL BE REQUIRED FOR PROPOSED WELL WORK.



Use approximately 1.5 Mi. of existing access road. Maintain all drainage structures.

JOHANNA NUTTER ET AL.  
- SURFACE OWNER

  
9/13/13

See Page 2 for Road Route and Additional Surface Owners From Pt. (A) to County Road

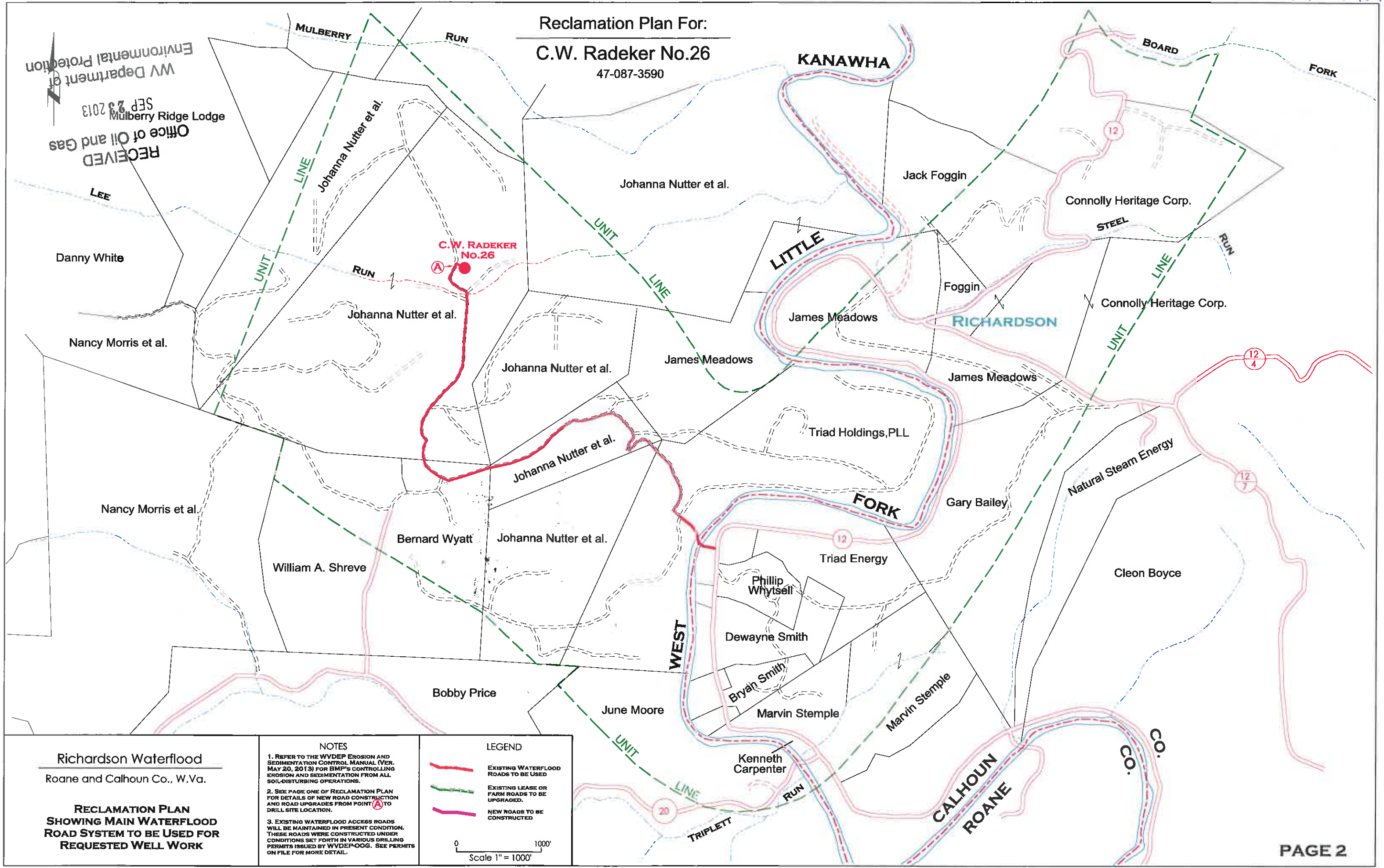
**NOTE**  
REFER TO THE WVDEP EROSION AND SEDIMENT CONTROL FIELD MANUAL VER. MAY 2012 FOR BMPs CONTROLLING EROSION AND SEDIMENT FROM SOIL-DISTURBING OPERATIONS.

Notes: RECEIVED  
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- Requested permit is for workover of existing well.
- Access from County Road to well location is existing. Structures will be maintained.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Maintain sediment barriers and drainage structures.
- All road grades <5% except as noted.

Reclamation Plan For:  
**C.W. Radeker No.26**  
47-087-3590

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WV Department of  
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Richardson Waterflood  
Roane and Calhoun Co., W.Va.

**RECLAMATION PLAN  
SHOWING MAIN WATERFLOOD  
ROAD SYSTEM TO BE USED FOR  
REQUESTED WELL WORK**

NOTES

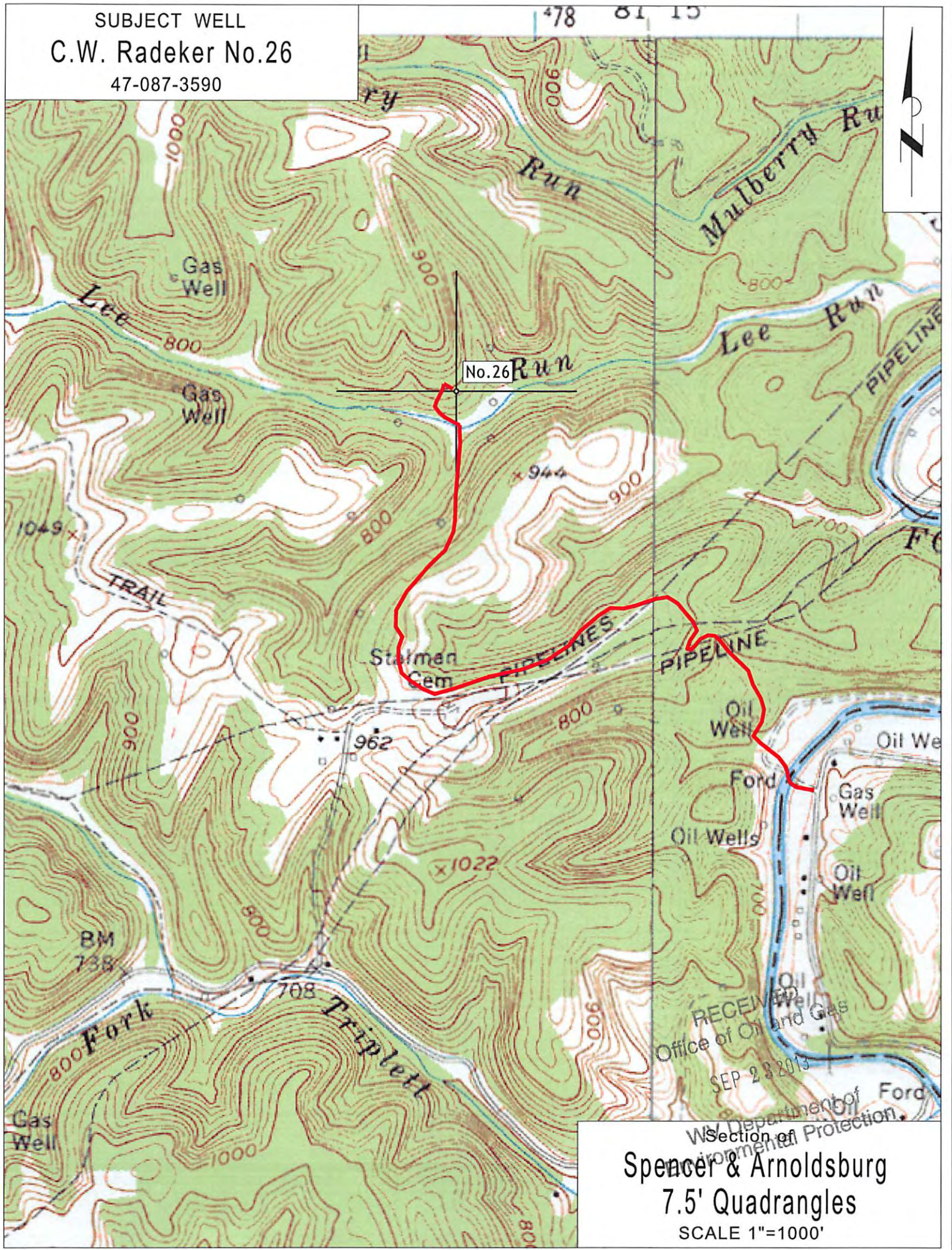
1. REFER TO THE WVDEP EROSION AND SEDIMENTATION CONTROL MANUAL (VER. MAY 20, 2013) FOR BMP'S CONTROLLING EROSION AND SEDIMENTATION FROM ALL SOIL-DISTURBING OPERATIONS.
2. SEE PAGE ONE OF RECLAMATION PLAN FOR DETAILS OF NEW ROAD CONSTRUCTION AND ROAD UPGRADES FROM POINT (A) TO DRILL SITE LOCATION.
3. EXISTING WATERFLOOD ACCESS ROADS WILL BE MAINTAINED IN PRESENT CONDITION. THESE ROADS WERE CONSTRUCTED UNDER CONDITIONS SET FORTH IN VARIOUS DRILLING PERMITS ISSUED BY WVDEP-OOG. SEE PERMITS ON FILE FOR MORE DETAIL.

LEGEND

- EXISTING WATERFLOOD ROADS TO BE USED
- EXISTING LEASE OR FARM ROADS TO BE UPGRADED.
- NEW ROADS TO BE CONSTRUCTED

0 1000'  
Scale 1" = 1000'

SUBJECT WELL  
C.W. Radeker No.26  
47-087-3590



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West Virginia Department of Environmental Protection  
Spencer & Arnoldsburg  
7.5' Quadrangles  
SCALE 1"=1000'

NOTES

1 - The survey drawing shown hereon is from the original drilling permit plat dated 5/11/1982 by Curtis A. Lucas, PS. Plat was re-drafted to show updated surface owner names and as-drilled Latitude and Longitude information.

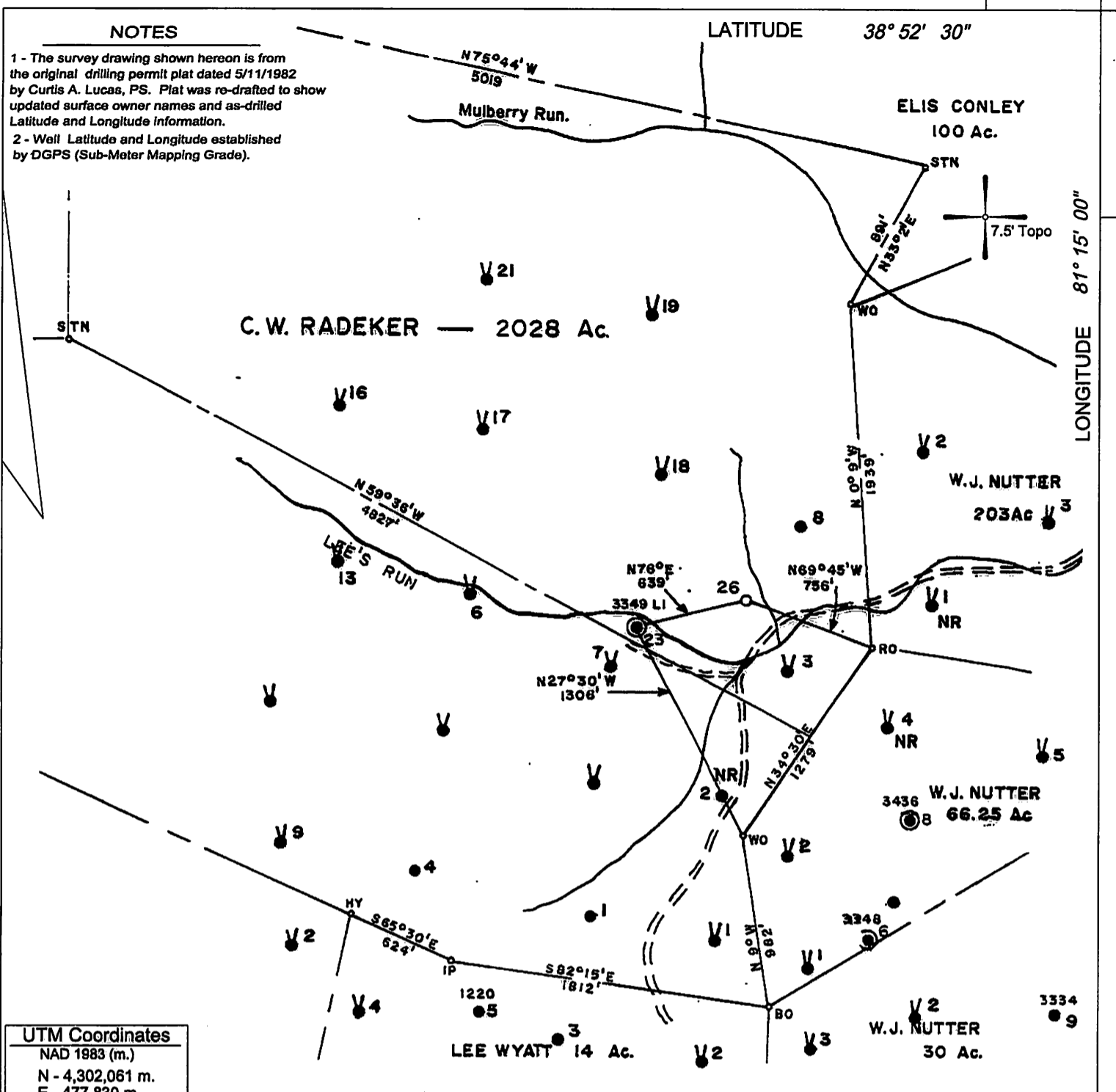
2 - Well Latitude and Longitude established by DGPS (Sub-Meter Mapping Grade).

LATITUDE 38° 52' 30"

LONGITUDE 81° 15' 00"

Latitude - 38°52' 01.3"

2,900'



**UTM Coordinates**  
 NAD 1983 (m.)  
 N - 4,302,061 m.  
 E - 477,830 m.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 800'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION WVDEP Records (Original Survey)

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) *[Signature]*  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil and Gas  
 601 57th Street  
 Charleston, West Virginia 25304



DATE August 18, 2013  
 FARM C.W. Radeker No.26  
 API WELL NO. 47-087-03590R

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 823.85' WATERSHED Lee's Run  
 DISTRICT Spencer COUNTY Roane  
 QUADRANGLE Spencer 7.5'  
 SURFACE OWNER Johanna G. Nutter et al. ACREAGE 200 Ac.  
 OIL & GAS ROYALTY OWNER Triad Hunter LLC et al. LEASE ACREAGE \_\_\_\_\_  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL \_\_\_ 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 Berea ESTIMATED DEPTH 2,389'  
 WELL OPERATOR Triad Hunter, LLC DESIGNATED AGENT Kimberly Arnold  
 ADDRESS 125 Putnam Street ADDRESS P.O. Box 154  
Marietta, OH 45750 Waverly, WV 26184

FORM IV-6



WW-2B1  
(5-12)

Well No. C.W. Radeker # 26

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Microbac Laboratories, Inc.  
Sampling Contractor Quality Environmental Service, Inc.

Well Operator Triad Hunter, LLC  
Address 125 Putnam Street  
Marietta, Ohio 45750  
Telephone (740)374-2940



FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

No domestic water wells within 2,000 feet.

RECEIVED  
Office of Oil and Gas

SEP 23 2013

WV Department of  
Environmental Protection