



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

November 23, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2105560, issued to EQT PRODUCTION COMPANY, 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: COOPER 511053
Farm Name: TIMMONS, SHAYNE & KRYSTIN
API Well Number: 47-2105560
Permit Type: Plugging
Date Issued: 11/23/2015

Promoting a healthy environment.

11/27/2015

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Office of Oil and Gas

Form WW-4 (B)
Permit Copy
(Rev 2/01)

NOV 23 2015

Date: November 3, 2015
Operator's Well
Well No. 511053 (Cooper #511053/Tanner #61)
API Well No.: 47 021 - 05560

WV Department of
Environmental Protection

CL 20008
100⁰⁰

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil Gas X Liquid Injection Waste Disposal:
If Gas, Production X Or Underground storage Deep Shallow X

5) Elevation: 1046 ft. Watershed: Cedar Creek
Location: DeKalb County: Gilmer Quadrangle: Tanner 7.5'
District:

6) Well Operator EQT Production Company 7) Designated Agent: Rex C. Ray
Address: 120 Professional Place Address: 120 Professional Place
Bridgeport, WV 26330 Bridgeport, WV 26330

8) Oil & Gas Mr. Danny Mullins 9) Plugging Contractor:
Name: 220 Jackacres Road Name: HydroCarbon Well Service
Address: Buckhannon, WV 26201 Address: PO BOX 995
Buckhannon, WV 26201 Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

OFFICE USE ONLY

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

Work order approved by inspector

Danny Mullins Date 11-16-15

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.

PLUGGING PROGNOSIS

Tan#61 (511053)
 District, DeKalb
 Gilmer Co. WV
 API # 47-021-05560
 BY: R. Green
 DATE: 09/9/15

CURRENT STATUS:

Elevation @ 1039'
 TD at 6300'
 13 3/8" csg @ 51'
 9 5/8" csg @ 823'
 7" csg @ 1890'
 Fresh Water @ 130'
 Coal, @ none reported
 Saltwater @ None reported
 Gas shows @ 4165'
 Perforations from 6246' to 6284'

932

1. Notify State Inspector, Danny Mullins @ 304-923-6844, 24 hrs. prior to commencing operations.
2. TIH tbg, set 200' C1A cement plug 6298' to 6098', (Marcellus gas show). *SPOT GAS BEFORE PLUG #1.*
3. TOOH tbg to 6098', gel hole 6098' to 5500', TOOH tbg.
4. Free point & cut 4 1/2" casing (EST @ 5500'), TOOH csg.
5. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil & gas shows below cut. Do not omit any plugs.
6. TOOH tbg to 5450' gel hole 5450' to 4250'.
7. TOOH tbg to 4250', set 200' C1A cement plug 4250' to 4050', (Gas show @ 4165').
8. TOOH tbg to 4050', gel hole 4050' to 3050'.
9. TOOH tbg to 3050', set 200' C1A cement plug 3050' to 2850'. (safety plug).
10. TOOH tbg to 2850', gel hole 2850' to 2000'.
11. TOOH tbg to 2000', set 200' C1A cement plug, 2000' to 1800' (7" casing seat).
12. TOOH tbg to 1800', gel hole 1800' to 1500', TOOH tbg.
13. Free point and cut 7" casing (EST @ 1400'), TOOH casing.
14. Set 100' C1A cement plug 50' in /out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
15. TOOH tbg to 1350', gel hole 1350' to 1100'.
16. TOOH tbg to 1100', set 400' C1A cement plug, 1100' to 700', (9 5/8" casing seat and elevation).
17. TOOH tbg to 700', gel hole , 700' to 400', TOOH tbg.
18. Free point and cut 9 5/8" casing, (EST @ 350'), TOOH casing.
19. Set 400' C1A cement plug, 50' in casing cut to surface., (Freshwater @ 130' & 13" casing seat).
20. Erect monument with API# and date plugged.
21. Reclaim location to WV-DEP specifications.

OK
 RAG

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WV Department of
 Environmental Protection

11/27/2015

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API # 4702105580

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JUN 22 2015

WV Department of
Environmental Protection

Farm Name Timmons, Shayne & Krystin Well Number 611053
Location Elevation 1,039 Quadrangle TANNER
District Dekalb County Gilmer, WV
Latitude 8780 FSL Degree 38.00 Minute 57.00 Second 30.00
Longitude 0500 FWL 80.00 55.00 0.00

Company EQT Production Company
1710 Pennsylvania Avenue Charleston,
WV 25328
Agent Cecil Ray
Inspector David Gilbert
Permit Issued 03/24/2008
Well Work Commenced 11/11/2008
Well Work Completed 03/13/2009
Verbal Plugging
Permission granted on _____
Rotary Rig Cable Rig _____

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cubic Ft
13 3/8	51	61	
9 5/8	823	823	371.70
7	1,880	1,880	357.40
4 1/2	6,288	6,288	177.00

Total Depth 6,300(MD)

Water Encountered

Type From
Fresh water wet @ 130'

Coal & Open Mines

Type From
Coal none reported

Open Flow Data

Producing Formation
Marcellus

Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 119 MCF 11/17/08 Date Oil: Initial Open Flow _____ Bbl/d
Final Open Flow 0 MCF 03/13/2009 Date Final Open Flow _____
Time of open flow between initial and final tests 0 hours
Static Rock Pressure 0 after 0 hours

Second Producing Formation

Pay Zone Depth (ft)

Gas: Initial Open Flow _____ MCF _____ Date Oil: Initial Open Flow _____ Bbl/d
Final Open Flow _____ MCF _____ Date Final Open Flow _____
Time of open flow between initial and final tests _____ hours
Static Rock Pressure _____ after _____ hours

NOTE: On back of this form put the following

- 1) Details of Perforated Intervals, fracturing or stimulating, physical change, etc.
- 2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

For EQT Production Company
By [Signature]
Date 6/13/09

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WV Department of
Environmental Protection 2015

Date	03/07/2009
FracTyp	Variabl Foam
Zone	Marcellus
# of Perfs	
FromTo	6,246-- 6,284
BD Press	0
ATP Psi	6,323
Avg Rate	93
Max Press Psi	7,175
ISIP Psi	4,593
10min SIP	4,474 5 min.
Frac Gradient	0.00
Sand Preppant	1,217.57
Water-bbl	476.33
SCF N2	3,546,272
Acid-gal	0 gal

Formation Name	Depth To	Depth Bottom	Formation Thick
Sand and Shale	0.00	1,471	1,471.00
ROSEDALE SALT SA	1,471.00	1,745	274.00
BIG LIME	1,792.00	1,902	110.00
BIG INJUN	1,902.00	1,949	47.00
WEIR	2,069.00	2,235	166.00
GANTZ	2,235.00	2,337	102.00
GORDON	2,474.00	2,577	103.00
FIFTH SAND	2,738.00	2,785	47.00
WARREN	3,086.00	3,172	86.00
SPEECHLEY	3,172.00	3,658	486.00
BALLTOWN	3,658.00	4,264	606.00
RILEY	4,264.00	4,628	364.00
BENSON	4,628.00	4,673	45.00
ALEXANDER	4,862.00	4,930	68.00
GENESEE	6,096.00	6,206	110.00
GENESEO	6,206.00	6,238	32.00
TULLY	6,238.00	6,245	7.00
MARCELLUS	6,245.00	6,295	50.00
ONONDAGA	6,295.00	0	0.00

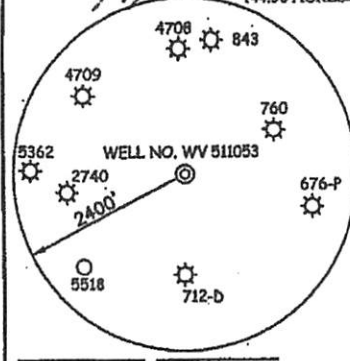
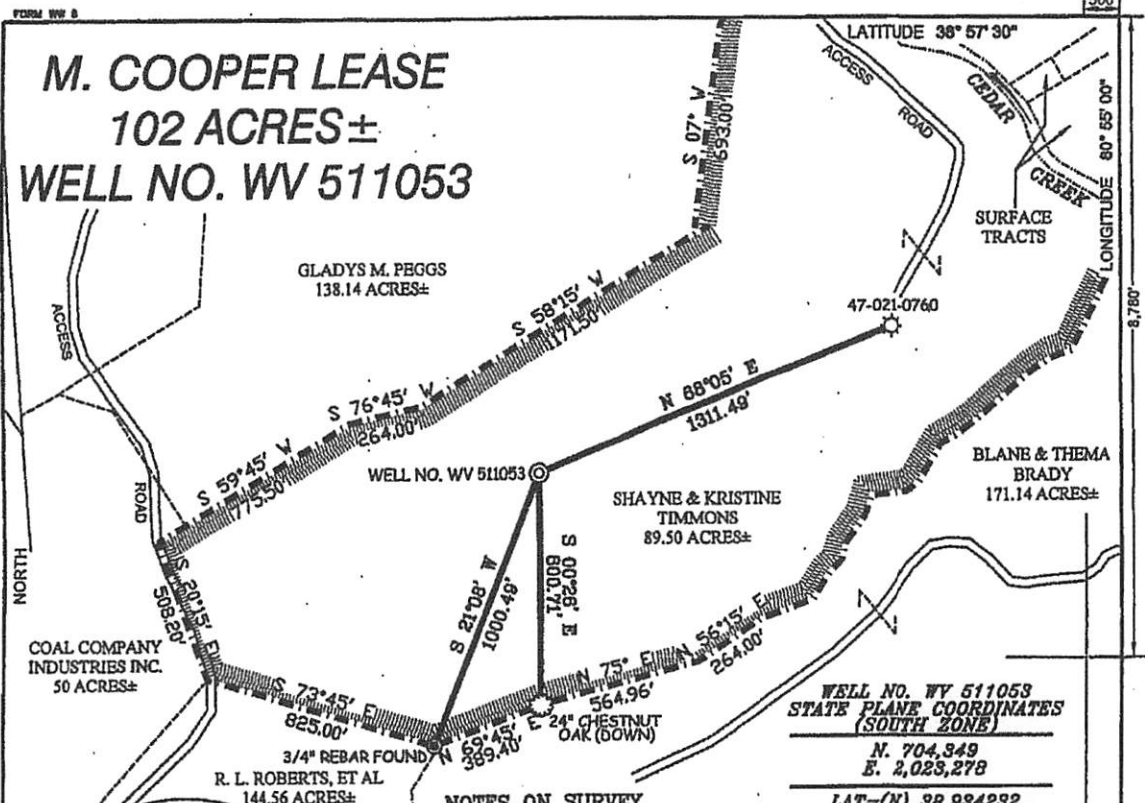
Gas Tests

Depth	Remarks
4,165	60mcf

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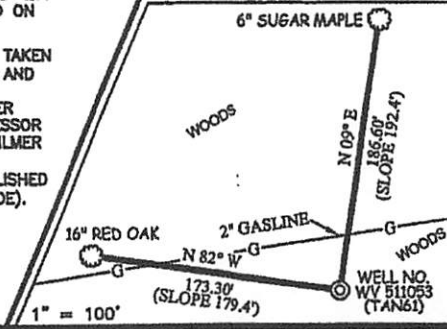
WV Department of
 Environmental Protection
 11/27/2015



- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
 2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 02/07/08.
 3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED BOOK 84 PAGE 130 AND ADJOINING DEEDS.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF GILMER COUNTY IN JULY, 2007.
 5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

**WELL NO. WV 511053
STATE PLANE COORDINATES
(SOUTH ZONE)**
N. 704,349
E. 2,023,278
LAT=(N) 38.934232
LONG=(W) 80.918173

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 12, 20 08
OPERATORS WELL NO. WV 511053
API WELL NO. 47-021-05560
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6378P511053 (196-73)
SCALE 1" = 500'
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,039' WATERSHED CEDAR CREEK
DISTRICT DEKALB COUNTY GILMER QUADRANGLE TANNER 7.5'

SURFACE OWNER SHAYNE & KRISTINE TIMMONS ACREAGE 89.5±
ROYALTY OWNER LYNN B. COOPER, JR. LEASE ACREAGE 102±
LEASE NO. 713818

PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGETS: BIG Lime, Speechley, BIG Injun, WARKEN, BALTOWN, BENSON, ALEXANDER TARGET FORMATION DEVONIAN SHALE
ESTIMATED DEPTH 6,500'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT L. TODD TETRICK
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

RECEIVED
Office of Oil and Gas
11/27/2015
Department of Environmental Protection
James S

WW-4-A
Revised 6/07

1) Date: November 3, 2015
2) Operator's Well Number
511053 (Cooper #511053/Tanner #61)
3) API Well No.: 47 021 - 05560
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
(a) Name Shayne M. and Kristine E. Timmons
Address 5 Merganser Ct.
Middletown, DE 19709

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Mr. Danny Mullins ✓
Address 220 Jackacres Road
Buckhannon, WV 26201
Telephone (304) 932-6844

5) (a) Coal Operator:
Name None
Address _____

(b) Coal Owner(s) with Declaration ✓
Name Lynn B. Cooper, Jr.
210 Castle Springs Road
Address Anderson, SC 29621-1505

Name _____
Address _____

(c) Coal Lessee with Declaration
Name None
Address _____

Name _____
Address _____

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 Division 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.

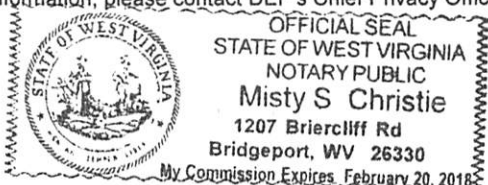
Well Operator: EQT Production Company
By: Victoria J. Roark ✓
Its: Permitting Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 4th day of November
Misty S. Christie Notary Public

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Office of Oil and Gas

My Commission Expires: 2/29/18

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as 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.



WV Department of Environmental Protection

11/27/2015

2105560P

neopost
11/04/2015
US POSTAGE
FIRST-CLASS MAIL
\$07.67
ZIP 26330
041L10228892

CERTIFIED MAIL



7015 0640 0001 0674 3576
7015 0640 0001 0674 3576

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Certified Mail Fee \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage \$ _____

Sent To Shayne M. and Kristine E. Timmons
5 Merganser Ct.
Middletown, DE 19709

Street and _____
City, State, _____

Shipping Permit #511053

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Office of Oil and Gas

NOV 05 2015

WV Department of
Environmental Protection

SENDER: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you.

2. Attach this card to the back of the mailpiece, or on the front if space permits.

3. Shayne M. and Kristine E. Timmons
5 Merganser Ct.
Middletown, DE 19709

Shipping Permit #511053

9590 9403 0673 5196 9857 70

Article Number (Transfer from service label) 7015 0640 0001 0674 3576

3. Service Type
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Signature Confirmation™
 Signature Restricted Delivery
 Restricted Delivery

COMPLETE THIS SECTION ON DELIVERY

A. Signature X
 Agent
 Addressee

B. Received by (Printed Name) _____
 C. Date of Delivery _____

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below: _____

Domestic Return Receipt
 PS Form 3811, April 2015 PSN 7530-02-000-9053

RECEIVED
Office of Oil and Gas
WV Department of
Environmental Protection
Attn: Permitting Department
EQT Production, 500 N
P.O. Box 280
Bridgeport, WV 26330

11/27/2015

21055609

FIRST-CLASS MAIL
neopost
11/04/2015
US POSTAGE
\$07.89
ZIP 26330
041L10228892

CERTIFIED MAIL



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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage \$

Total Postage a Lynn B. Cooper, Jr.
210 Castle Springs Road
Anderson, SC 29621-1505

Sent To

Street and Apt. 1

City, State, ZIP+4[®] Logging Permit #511053

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Office of Oil and Gas

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WV Department of
Environmental Protection

Attn: Permitting Department
EQT Production
P.O. Box 280
Bridgeport, WV 26330

NOV 05 2015

RECEIVED
Office of Oil and Gas

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee

B. Received by (Printed Name) _____ C. Date of Delivery _____

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Adult Signature Restricted Delivery
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Signature Confirmation™
 Signature Confirmation Restricted Delivery

2. Article Number (Transfer from service label)
7015 0640 0001 0674 3583

PS Form 3811, April 2015 PSN 7530-02-000-9053

SEND: COMPLETE THIS SECTION

11/27/2015

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.
 Lynn B. Cooper, Jr.
 210 Castle Springs Road
 Anderson, SC 29621-1505
 Logging Permit #511053

FIRST-CLASS MAIL

neopostTM

11/04/2015

US POSTAGE

\$01.64⁰



ZIP 26330
041L10228892

2105560P

Attn: Permitting Department
EQT Production
P.O. Box 280
Bridgeport, WV 26330

WV Department of
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Office of Oil and Gas

Mr. Danny Mullins
220 Jackacres Road
Buckhannon, WV 26201

Plugging Permit #511053

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Office of Oil and Gas

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WV Department of
Environmental Protection

11/27/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: _____
Watershed: Cedar Creek Quadrangle: Tanner 7.5'
Elevation: 1046 ft. County: Gilmer District: DeKalb

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ___ No X
Will synthetic liner be used in the pit? Yes Is so, what ml.? 2010 ml *SPW*

Proposed Disposal Method for Treated Pit Wastes:
 Land Application
 Underground Injection - UIC Permit Number _____
 Reuse (at API Number) _____
 Offsite Disposal Permit #. _____
 Other: Explain _____

All pits must be lined with a minimum of 20mi thickness synthetic liner.

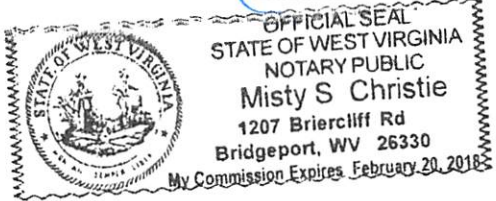
Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____
If oil based, what type? Synthetic, petroleum, etc. _____
Additives to be used? _____

Will closed loop system be used? _____
Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____
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 Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms 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 or Printed) Victoria Roark
Company Official Title Permitting Supervisor-WV
Subscribed and sworn before me this 4th day of November, 2015

My Commission Expires *[Signature]* 2/20/18 Notary Public

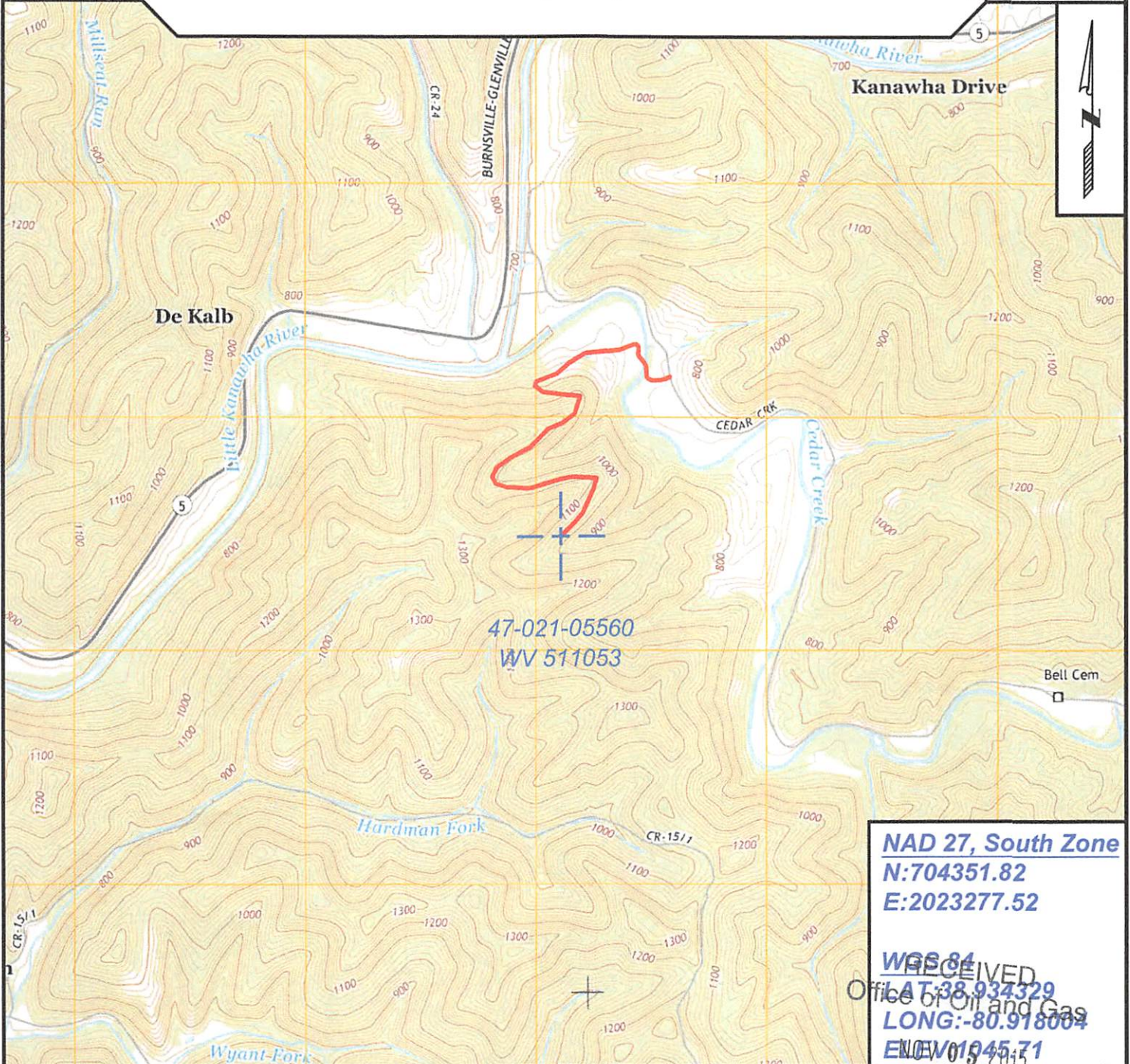


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NOV 05 2015
WV Department of Environmental Protection
11/27/2015

Topo Quad: Tanner 7.5' Scale: 1" = 2000'
 County: Gimler Date: September 14, 2015
 District: DeKalb Project No: 25-19-00-07

47-021-05560 WV 511053 (Cooper #511053/Tanner #61)

Topo



NAD 27, South Zone
N:704351.82
E:2023277.52

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 Office of Oil and Gas
LONG:-80.918004
ELEV:1945.71



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.

1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

WV Department of Environmental Protection
 P.O. Box 280
 Bridgeport, WV 26330

11/27/2015

WW-7
8-30-06



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

API: 47-021-05560 WELL NO.: WV 511053 (Cooper #511053/Tanner#61)

FARM NAME: Shayne & Kristine Timmons

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer DISTRICT: De Kalb

QUADRANGLE: Tanner 7.5'

SURFACE OWNER: Shayne M. & Kristine E. Timmons

ROYALTY OWNER: Lynn B. Cooper Jr., et al.

UTM GPS NORTHING: 4309492

UTM GPS EASTING: 507107 GPS ELEVATION: 319 m (1046 ft)

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

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.

Shayne O Brown
Signature

PS # 2180
Title

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Office of Oil and Gas
9/30/15 NOV 05 2015
Date
WV Department of
Environmental Protection



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Cooper #511053/Tanner #61 - WV 511053 - API No. 47-021-05560.

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 511053.

BIRCH RIVER OFFICE

237 Birch River Road
 Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
 Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd
 Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

RANSON OFFICE

1001 Ranson Rd, Suite 3
 Ranson, WV 25438
phone: 304-724-5008

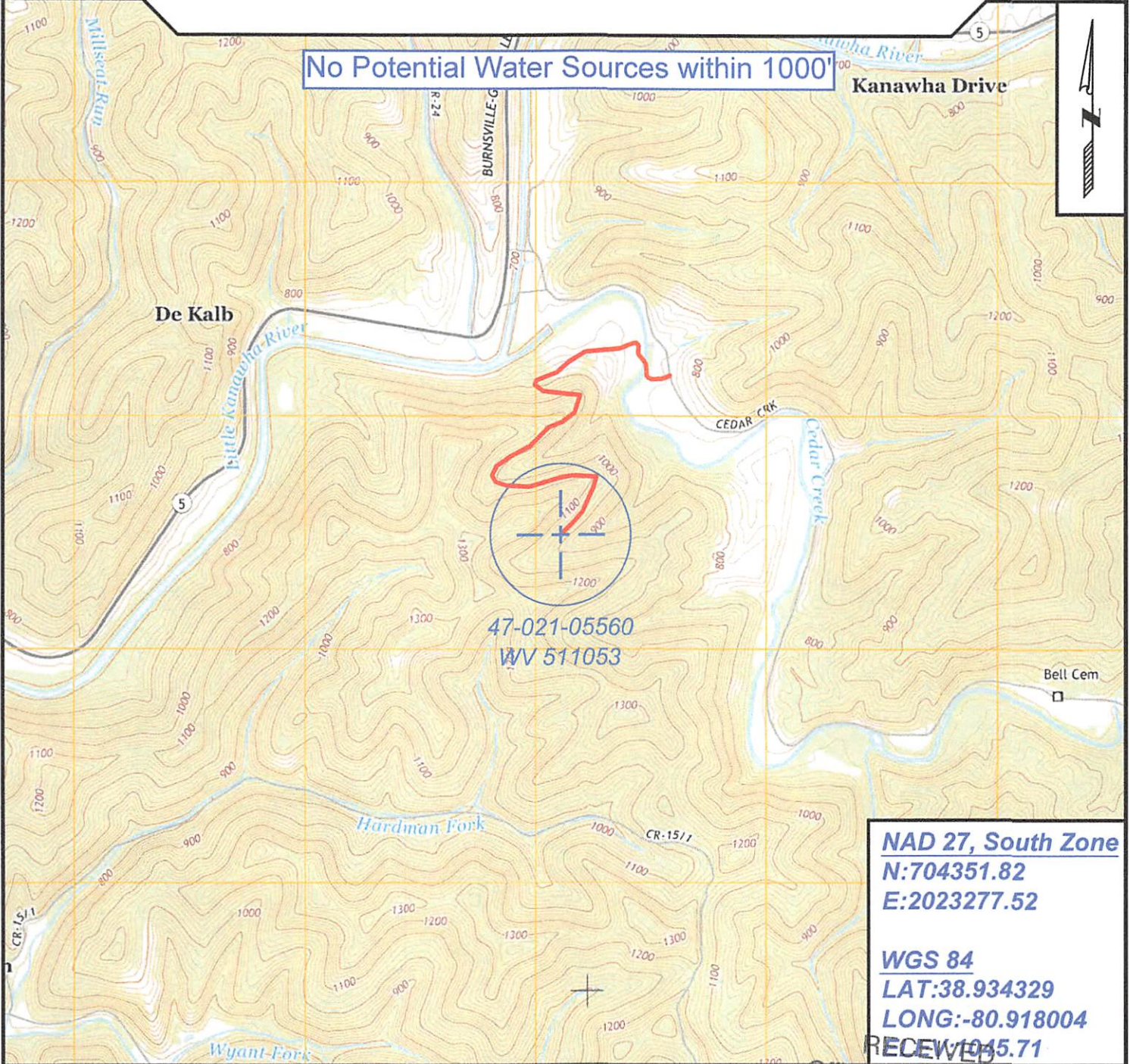
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 NOV 05 2015
 WV Department of
 Environmental Protection

Topo Quad: Tanner 7.5' Scale: 1" = 2000'
 County: Gimler Date: September 14, 2015
 District: DeKalb Project No: 25-19-00-07

Water

47-021-05560 WV 511053 (Cooper #511053/Tanner #61)

No Potential Water Sources within 1000'



47-021-05560
WV 511053

NAD 27, South Zone
N:704351.82
E:2023277.52

WGS 84
LAT:38.934329
LONG:-80.918004
RECEIVED 10/15/15



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR: **Office of Oil and Gas**
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330
 WV Department of Environmental Protection
 11/27/2015

I

21055609

11/23/15 Operator: EQT PRODUCTION COMPANY
 API: 21055609
 WELL No: COOPER 511053
 Reviewed by: [Signature] Date: 11/20/2015
 15 Day End of Comment: 11/10/15

CHECKLIST FOR FILING A PERMIT

Plugging

Ck# 20008

- WW-4B
- Inspector signature on WW-4B [Signature]
- 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) [Signature]
- 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)

11/27/2015