



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

May 23, 2014

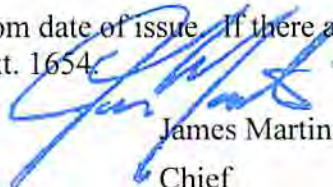
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10900382, 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: 020170 (RITTER LUMBER 122)
Farm Name: HEARTWOOD FORESTLAND FU
API Well Number: 47-10900382
Permit Type: Plugging
Date Issued: 05/23/2014

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

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

Date: 4-1-14
Operator's Well
Well No. 020170 (Ritter Lumber #122)
API Well No.: 47 109 - 00382

CK 17279
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: 1437' Watershed: Horse Creek
Location: Baileysville County: Wyoming Quadrangle: Baileysville 7.5'
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Ross Eller
Name: 121 Brierhill Drive
Address: Beckley, WV 25801

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
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

Date 4/7/14

PLUGGING PROGNOSIS

020170 Ritter Lumber # 122

Wyoming County, West Virginia
API # 47-109-00382

BY: Beau Fry
DATE: 12/11/13

CURRENT STATUS:

13 3/8" csg @ 24'
10 3/4" csg @ 750'
8 5/8" csg pt @ 1692' emt w/ 10 bags
6 5/8" csg @ 2709'
TD @ 3735'

Oil Shows - None Reported FW Shows - 67' Coal Shows - 510'-512', 796'-802' 1st Salt Sand top @
Not on record Gas shows - 1686'-1769' Ravencliff, 2694'-3071' Big Lime Elevation 1449'

Stimulation:

FILL OPEN HOLE WITH GEL TO TD OF 3735'

1. Notify State Inspector, Ross Eller, 1-304-932-6844 48 hrs prior to commencing operations.
2. TIH w/ Wireline @ 2694' Perforate gas show.
3. TIH w/ 2" tubing @ 2760'; set 160' C1A cement plug @ 2760' to 2600'. (Big lime gas Show, 6 5/8" csg pt)
4. TOOH w/ 2" tubing @ 2600'; Gel hole @ 2600' to 1750'.
5. TOOH w/ 2" tubing, Free Point 6 5/8" csg, cut 6 5/8" csg, cut @ free point, TOOH w/ 6 5/8" csg.
6. Set 100' C1A cement plug 50' IN/OUT of cut. Perf all 1st Salt Sand tops, Gas, Oil, Coal, Elevation & FW shows below 6 5/8" cut and do not omit any plugs shown.
7. TIH w/ 2" tubing @ 1750'; set 164' C1A cement plug @ 1750' to 1586'. (8 5/8" csg pt, Ravencliff gas show).
8. TOOH w/ 2" tubing @ 1586'; Gel hole @ 1586' to 1500'.
9. TOOH w/ 2" tubing, Free Point 8 5/8" csg, cut 8 5/8" csg @ free point, TOOH w/ 8 5/8" csg.
10. Set 100' C1A cement plug 50' IN/OUT of cut. Perf all 1st Salt Sand tops, Gas, Oil, Coal, Elevation & FW shows below 8 5/8" cut and do not omit any plugs shown.
11. TIH w/ 2" tubing @ 1500'; set 251' C1A cement plug @ 1500' to 1249'. (Elevation plug)
12. TOOH w/ 2" tubing @ 1249'; Gel hole @ 1249' to 855'.
13. TOOH w/ 2" tubing @ 855'; set 155' C1A cement plug @ 855' to 700'. (1 coal show, 10 3/4" csg pt)
14. TOOH w/ 2" tubing @ 700'; Gel hole @ 700' to 565'.
15. TOOH w/ 2" tubing, Free Point 10 3/4" csg, cut 10 3/4" csg @ free point, TOOH w/ 10 3/4" csg.
16. Set 100' C1A cement plug 50' IN/OUT of cut. Perf all 1st Salt Sand tops, Gas, Oil, Coal, Elevation & FW shows below 10 3/4" cut and do not omit any plugs shown.
17. TIH w/ 2" tubing @ 565'; set 125' C1A cement plug @ 565' to 440'. (1 coal show)
18. TOOH w/ 2" tubing @ 440'; Gel hole @ 440' to 200'.
19. TOOH w/ 2" tubing @ 200'; set 200' C1A cement plug to surface. (13 3/8" csg pt, 1 FW show).
20. Top off as needed.
21. Set Monument to WV - DEP Specifications
22. Reclaim Location & Roads to WV - DEP Specifications.

Office of Oil and Gas
APR 04 2014
WV Department of Environmental Protection

OK
gwm

05/23/2014

10900382P

Ritter Company Company # 122

Date	12-28-53
State	West Virginia
Department	Department of Mines
Division	Oil and Gas Division 9

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 9

10
LAWSON C.
MEDICAL DEPT.

17) *Lincolnton*

WELL RECORD

Permit No. WIO-382

Oil or Gas Well Gas
(KIND)

Company United Producing Company, Inc.
 Address Box 1913, Charleston 27, W. Va.
 Farm W. M. Ritter Lumber Company Acres 67,182
 Location (waters) Horse Creek
 Well No. 122 (2017) Elev. 1119.5' DF
 District Balleysville County Wvoming
 The surface of tract is owned in fee by W. M. Ritter Lumber Co., 115 East Rich St. Address Columbus 15, Ohio
 Mineral rights are owned by Same
 Address _____
 Drilling commenced March 17, 1953
 Drilling completed July 13, 1953
 Date Shot 7-14-53 From 3675' To 3723'
 With 240 lbs. nitroglycerine
 Open Flow 11 /10ths Water in _____ 2 _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume 24,000 _____ Ga. Fl.
 Back Pressure 155 lbs. _____ lbs.
 Oil _____ hbls., 1st 24 hrs.
 Fresh water 67 _____ feet
 Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8"	211'	211'	
10 3/4"	750'	750'	Size of
8 5/8"	1622'	1622'	
8 7/8" OD	2709'	2709'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENT: 5 5/8" S&W bags No. 5-2-53 Date

COAL WAS ENCOUNTERED AT 510 FEET 2 1/2 INCHES
726 FEET 72 INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	24			
Sand			24	50			
Slate & Sand			50	182	Water	67'	Hole full
Sand			182	235			
Slate			235	297			
Sand			297	417			
Lime			417	456			
Slate			456	510			
Coal			510	512			
Lime		Broken	512	660			
Sand			660	775			
Slate	Black		775	780			
Lime			780	796			
Coal			796	802			
Lime		Broken	802	922			
Sand			922	1077			
Slate			1077	1100			
Sand			1100	1165			
Slate			1165	1195			
Sand			1195	1375			
Red Rock			1375	1380			
Slate			1380	1395			
Sand			1395	1405			
Slate & Shells			1405	1645			
Lime			1645	1675			
Slate			1675	1936			
Ravencleft Sand			1680	1760	Gas	1725'	
Slate			1760	1791			
Red Rock			1791	1801			
Sand			1801	1895			
Red Rock			1895	1905			
Lime			1905	1925			
Red Rock			1925	1990			
Lime			1990	2023			
Slate			2023	2028			
Sand			2028	2042			
Slate			2042	2060			
Sand			2060	2120			
Slate			2120	2135			
Sand			2135	2210			

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(Over)

05/23/2014

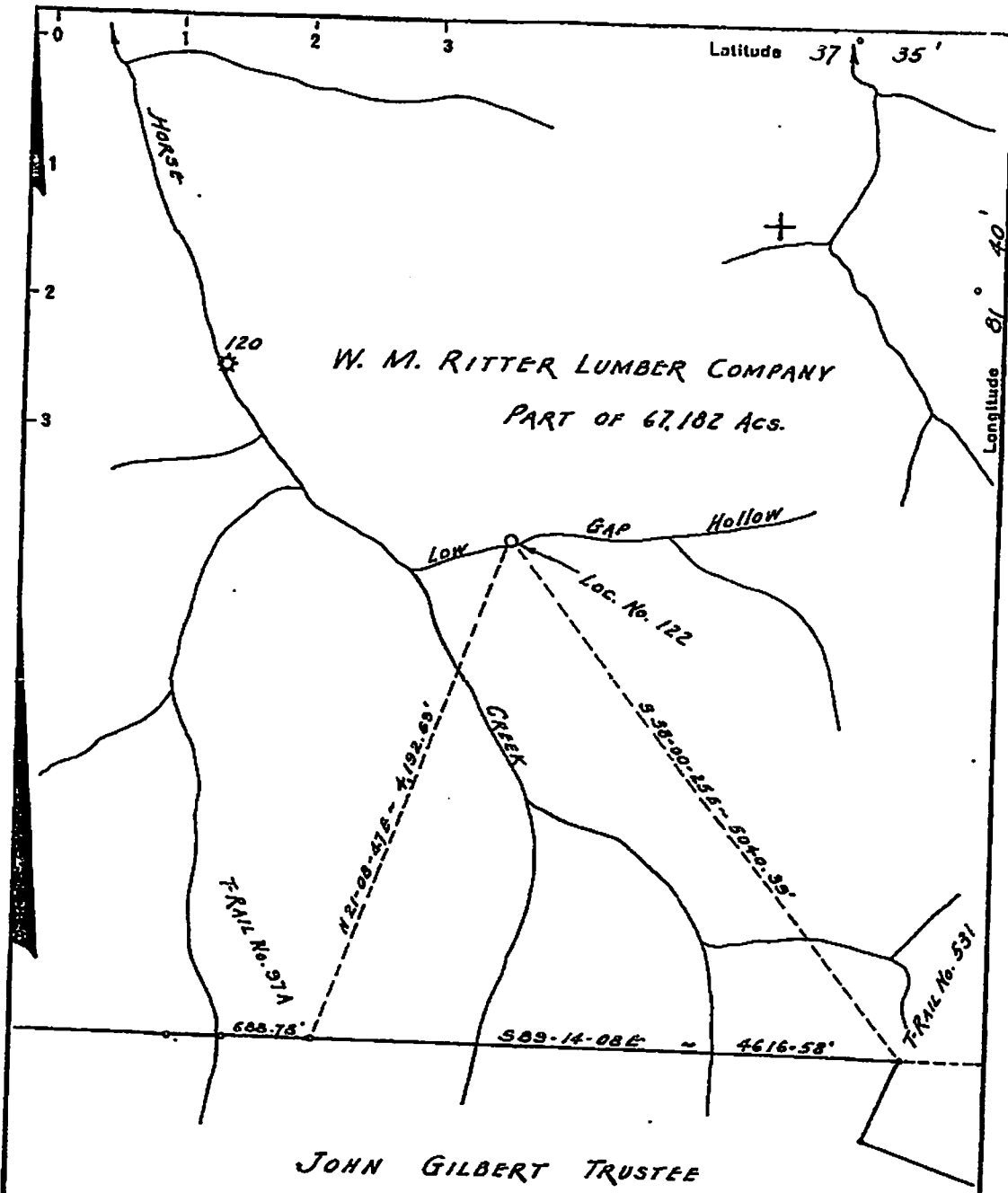
10900382P

Description	Color	Texture S&S	Top 9	Bottom	Oil, Gas or Water	Depth Feet	Notes
Hard Rock			2210	2215			
Lime			2255	2265			
Slate & Shells			2285	2405			
Maxton Sand			2405	2475			
Slate			2475	2515			
Lime			2515	2585			
Slate			2585	2637			
Little Lime			2637	2679			
Slate			2679	2694			
Big Lime			2694	3072	Gas	2950'	Slown
Injun	Red		3072	3175			
Lime		Gritty	3175	3195			
Sand			3195	3335			
Slate & Shells			3335	3659			
Shale	Brown		3659	3675			
Berea Sand			3675	3724			
Slate			3724				
TOTAL DEPTH				3735'			

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Date August 3 19 53 WV Department of
Environmental Protection
APPROVED _____ UNITED PROTECTIVE COMPANY, INC., Owner
By _____ (Title) _____

05/23/2014



New Location
 Drill Deeper
 Abandonment

COORDINATES No. 122 = N 71,100.48 W 42,681.51

Company	UNITED PRODUCING Co. Inc.
Address	CHARLESTON, W. VA.
Farm	W. M. RITTER LUMBER Co.
Tract	Acres 67.182 Lease No. 4157
Well (Farm) No.	122 Serial No. 2017
Elevation (Spirit Level)	1447.5 GR.
Quadrangle	PINEVILLE
County	WYOMING District BAILEYSVILLE
Engineer	C. M. Withrow
Engineer's Registration No.	1377 Ky.
File No.	14-C Drawing No.
Date	2-4-53 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. Wyo-382

† 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.

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 Office of Oil and Gas

APR 04 2014

WV Department of
 Environmental Protection

WW-4-A
Revised 6/07

- 1) Date: 4-1-14
- 2) Operator's Well Number
020170 (Ritter Lumber #122)
- 3) API Well No.: 47 109 - 00382
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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Heartwood Forestland Fund IV LP</u> Address <u>19045 Stone Mountain Road</u> <u>Abingdon, VA 24210</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Ross Eller</u> Address <u>121 Brierrhill Drive</u> <u>Beckley, WV 25801</u> Telephone <u>304-932-6844</u></p>	<p>5) (a) Coal Operator: Name <u>None</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration Name <u>WPP, LLC</u> <u>5260 Irwin Road</u> Address <u>Huntington, WV 25705</u></p> <p>(c) Coal Lessee with Declaration Name <u>S & M Energy</u> Address <u>P.O. Box 646</u> <u>Hanover, WV 24839</u> <u>Attn: Rush Morgan</u></p>
--	---

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:
by: _____
s: _____
address: _____
telephone: _____

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

Subscribed and sworn before me this 1 day of April, 2014
[Signature] Notary Public
My Commission Expires: 8-24-22

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.

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Restricted Delivery Fee (Endorsement Required)	
Total P	

Sent To: **WPP, LLC**
5260 Irwin Road
Huntington, WV 25705
 020170 plug

PS Form 3800, August 2006 See Reverse for Instructions

WPP, LLC
5260 Irwin Road
Huntington, WV 25705
020170 plug

PS Form 3811, July 2013
 (Transfer from service label)
 7013 2630 0001 4239 3291
 Domestic Return Receipt

2. Article Number

1. Article Addressed to:
 WPP, LLC
 5260 Irwin Road
 Huntington, WV 25705
 020170 plug

3. Service Type

4. Restricted Delivery? (Extra Fee)

D. Is delivery address different from item 1? Yes No

If YES, enter delivery address below:

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

A. Signature X

COMPLETE THIS SECTION ON DELIVERY

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Environmental Protection

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

05/23/2014

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Pc		

Sent to
 Street, Apt or PO Box
 City, State

Heartwood Forestland Fund IV LP
 19045 Stone Mountain Road
 Abingdon, VA 24210
 020170 plug

Postmark Here

PS Form 3800, August 2006 See Reverse for instructions

Heartwood Forestland Fund IV LP
19045 Stone Mountain Road
Abingdon, VA 24210
020170 plug

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

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
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes No

COMPLETE THIS SECTION

1. Article Addressed to:
Heartwood Forestland Fund IV LP
 19045 Stone Mountain Road
 Abingdon, VA 24210
 020170 plug

2. Article Number (Transfer from service label)
 7013 2630 0001 4239 3284

PS Form 3811, July 2013 Domestic Return Receipt

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Posts		

Sent To: **S & M Energy**
P.O. Box 646
Hanover, WV 24839
Attn: Rush Morgan
020170 Plug

PS Form 3800, August 2008 See Reverse for Instructions

S & M Energy
P.O. Box 646
Hanover, WV 24839
Attn: Rush Morgan
020170 Plug

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

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: _____

COMPLETE THIS SECTION

1. Article Addressed to: _____
 S & M Energy
 P.O. Box 646
 Hanover, WV 24839
 Attn: Rush Morgan
 020170 Plug

2. Article Number _____
 (Transfer from service label) 7013 2630 0001 4239 3314

3. Service Type
 Certified Mail®
 Registered Mail®
 Priority Mail Express™
 Return Receipt for Merchandise
 Insured Mail
 Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes No

PS Form 3811, July 2013 Domestic Return Receipt

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05/23/2014

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04/01/2014

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US POSTAGE



ZIP 26330

041110228892

Ross Eller
121 Brierhill Drive
Beckley, WV 25801



C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

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WV Department of
Environmental Protection

05/23/2014

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: Horse Creek Quadrangle: Baileysville 7.5'

Elevation: 1437' County: Wyoming District: Baileysville

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.? 10 ml 20 ml

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number _____
- Reuse (at API Number) _____
- Offsite Disposal Permit #. _____
- Other: Explain _____

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 *Victoria Roark* APR 04 2014

Company Official (Typed or Printed) Victoria Roark WV Department of Environmental Protection

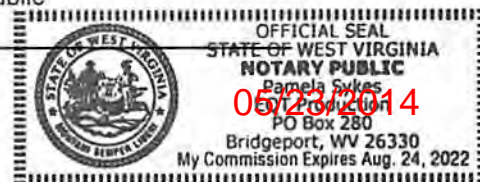
Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 1 day of April, 2014

Pamela Sykes

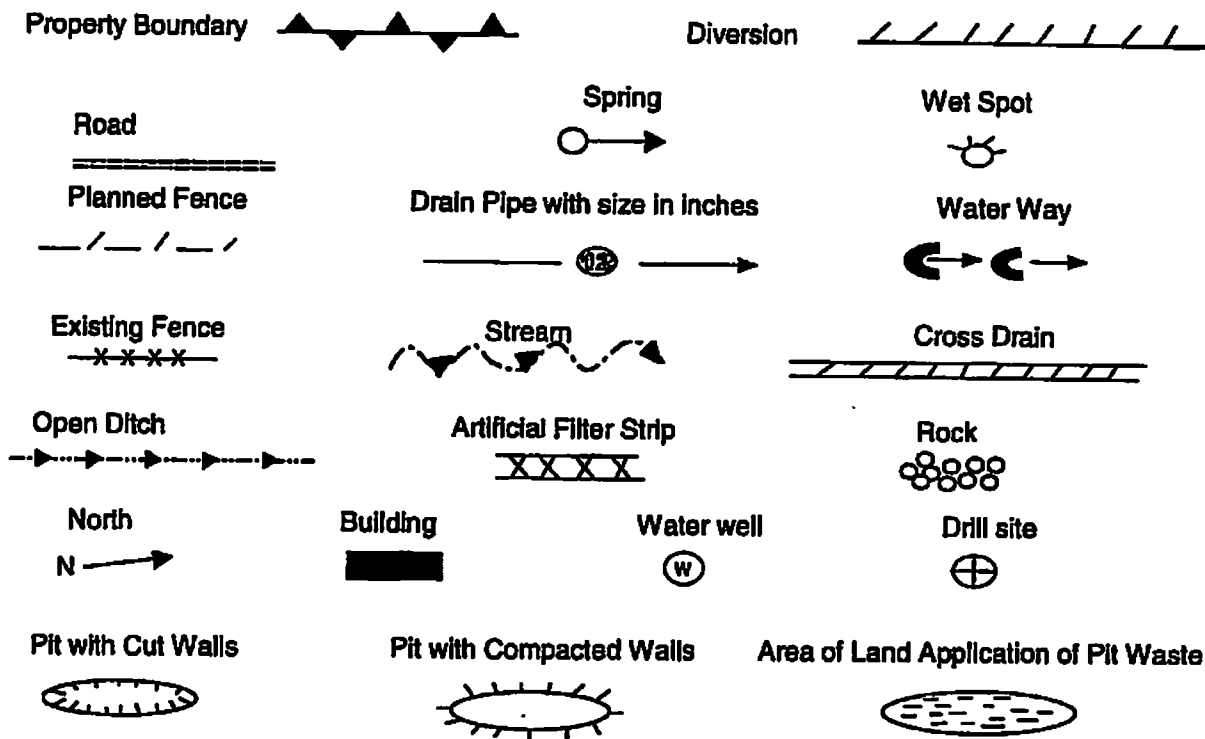
Notary Public

My Commission Expires 8-24-22



OPERATOR'S WELL NO.:
020170 (Ritter Lumber #122)

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)
 Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

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

Photocopies section of involved 7.5' topographic sheets.

Plan approved by: 

Comments: Note the access road shown on topo map is thru an active coal mine road was blocked. Checked other access impassable w/mud deep ruts.

Title: WADSWORTH INSPECTION Date: 4/9/14

Field Reviewed? Yes No * Field checked did not make it to location.

10900382P

Topo Quad: Baileysville 7.5'

Scale: 1" = 2000'

County: Wyoming

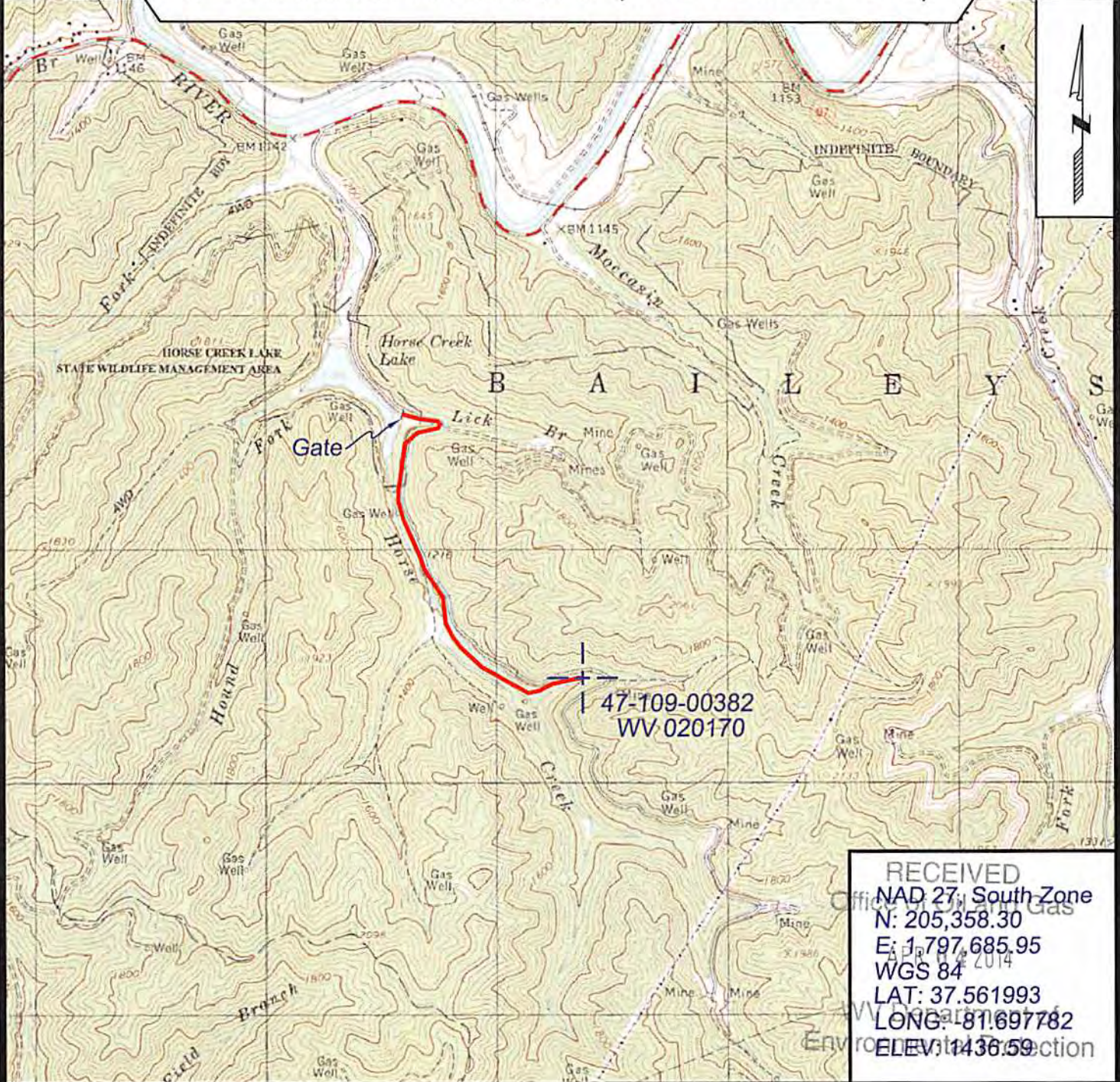
Date: March 7, 2014

District: Baileysville

Project No: 22-22-00-08

47-109-00382 WV 020170 (Ritter Lumber #122)

Topo



RECEIVED
 NAD 27, South Zone
 N: 205,358.30
 E: 1,797,685.95
 WGS 84
 LAT: 37.561993
 LONG: 81.697782
 ELEV: 1436.59



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

05/23/2014

WW-7
8-30-06



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

API: 47-109-00382 WELL NO.: WV 020170 (Ritter Lumber #122)

FARM NAME: W.M. Ritter Lumber Company

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Wyoming DISTRICT: Baileysville

QUADRANGLE: Baileysville 7.5' 228

SURFACE OWNER: Heartwood Forestland Funds IV, LP

ROYALTY OWNER: Plum Creek Timberlands, LP, et al.

UTM GPS NORTHING: 4157448

UTM GPS EASTING: 438374 GPS ELEVATION: 438 m (1437 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:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential
Real-Time Differential

Mapping Grade GPS : Post Processed Differential
Real-Time Differential

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature

[Handwritten Signature]

Title

PS #2180

Date

3/24/14

Topo Quad: Baileysville 7.5'

Scale: 1" = 2000'

County: Wyoming

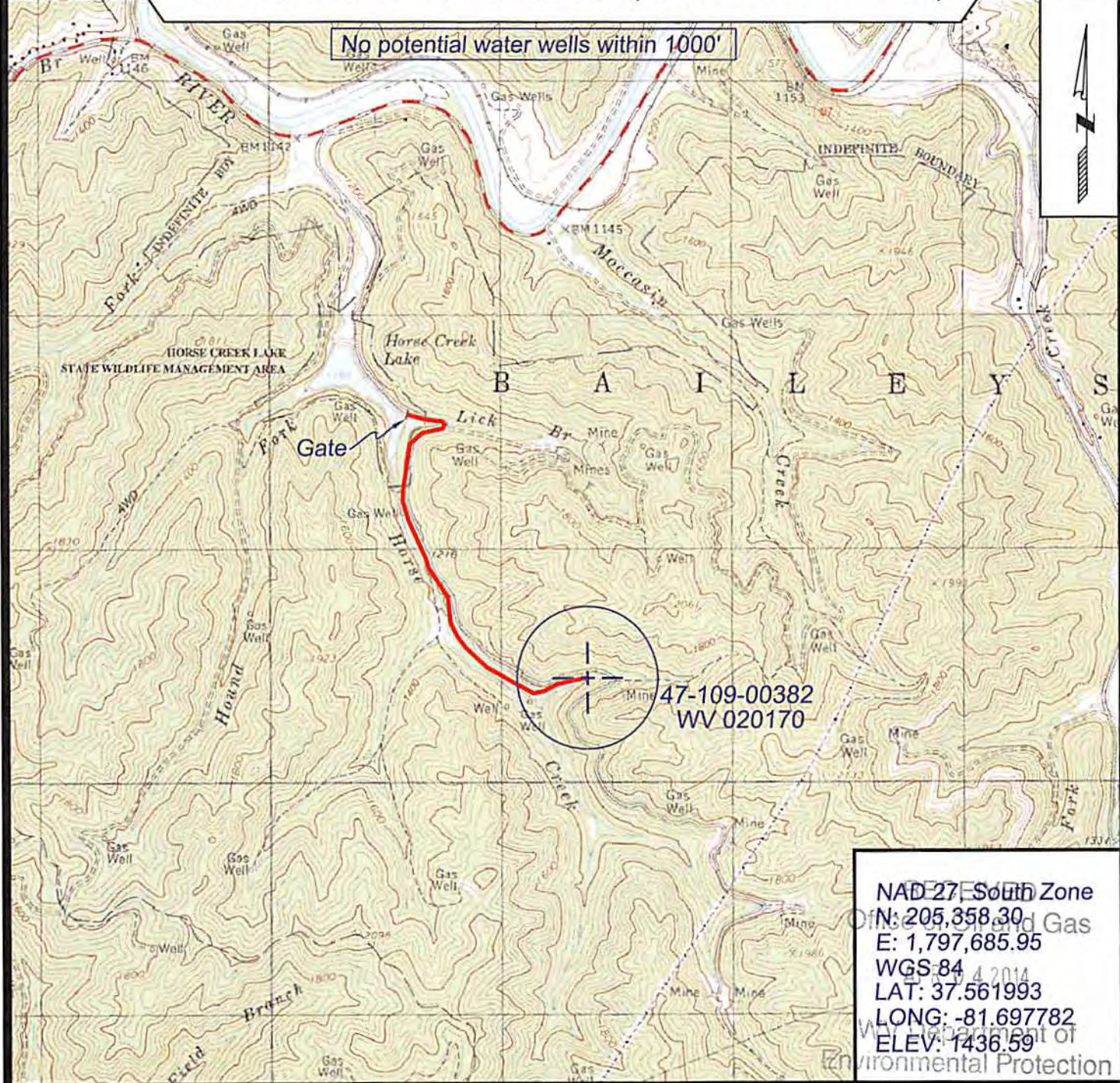
Date: March 7, 2014

District: Baileysville

Project No: 22-22-00-08

Water

47-109-00382 WV 020170 (Ritter Lumber #122)



NAD 27, South Zone
 N: 205,358.30
 E: 1,797,685.95
 WGS 84
 LAT: 37.561993
 LONG: -81.697782
 ELEV: 1436.59



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Ritter Lumber #122 - WV 020170 - API No. 47-109-00382

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 020170.

BIRCH RIVER OFFICE
 P.O. Box 438 • 237 Birch River Road
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