

#### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Tuesday, July 11, 2017 WELL WORK PERMIT Vertical / Plugging

EQT PRODUCTION COMPANY 120 PROFESSIONAL PLACE BUILDING II BRIDGEPORT, WV 26330

Re: Permit approval for CKP-7 47-039-01168-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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) 926-0450.

James A. Martin

Chief

Operator's Well Number: CKP-7

Farm Name: RAYMOND CITY COAL U.S. WELL NUMBER: 47-039-01168-00-00

Vertical / Plugging

Date Issued: 7/11/2017

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**

- 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.

Form WW-4 (B) Permit Copy (Rev 2/01) Date: April 12, 2017
Operator's Well

Well No.

416391 (Raymond City Coal CKP-7)

API Well No.:

47 039 - 01168

K 22708

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

		Dividio	OFFICE OI	FOIL AND	GAS				
		APPLICATION	I FOR A PER	RMIT TO PL	UG AN	ID ABANDON			
4)	Well Type: Oil If Gas, Production	Gas X		quid Injection ound storage		Waste Disp		X	
5)	Elevati	ion: 858 ft. Union	_Watershed: _County:	Pocatalico R Kanawh		Quadrangle:	Pocatalico	7.5'	
3)	Well Operator 120	T Production Co Professional Pl dgeport, WV 263	ace		esignate Idress:	ed Agent: Rex 120 Profession Bridgeport, WV	al Place		
8)	Oil & Gas Name: Address: P. O. Box Clendenin	1207		Na	ame: ddress:	Contractor: HydroCarbon Well PO BOX 995 Buckhannon, WV			
10	) Work Order: The See Attachment			plugging this	well is a	as toliows:		EIVED Dil and Gas	
							MAY	<b>5</b> 2017	
			OFFIC	CE USE ONLY	Jh 5-	la 8.17	WV Depa	artment of tal Protection	
	Notification must be		trict oil and ga	s inspector 24	hours	before permitted w Date	ork can comme	ence.	
	Work order approve	ed by inspector							

07/14/2017

#### PLUGGING PROGNOS

416391 CKP-7 API# 47-039-01168 District, Union Kanawha County, WV

BY: R Green DATE: 02/08/17

**CURRENT STATUS:** TD @ 4950' Elevation @ 865'

16" casing @ 16' 13 3/8" casing @ 113' 10" casing @ 684' 8 1/4" casing @ 1744' 7" casing @ 1988' 5 1/2" casing @ 4848' (Cemented with 10 sks). Shot with 70 qts. nitroglycerin 4916' to 4950'

Fresh Water @ 1382' Saltwater@ None Reported Oil Show @ 1175' (Big Injun) Gas shows @ 1822', 1836', 4710', 4918' Coal @ 100'

RECEIVED Office of Oil and Gas

> MAY 5 2017

WV Department of **Environmental Protection** 

1. Notify inspector, Terry Urban, @ 304-549-5915, 24 hours prior to commencing operations.

Check pressures on all tubing and casing strings in well.

3. Rig up and pump 75 bbl. of gelled water down annulus of any casing/tubing strings with pressure on them, displace with fresh water. Monitor pressures on all casings for 24 hrs.

4. Once well is killed, TIH to 4900', set a 500' C1A cement plug, 4900' to 4400'. WOC 8 hrs., TAG TOC, add additional CIA cement if necessary.

Free point 5 1/2" casing, cut casing @ free point, TOOH casing.

Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.

TOOH to 3500', set 300' C1A cement plug 3500' to 3200'.

TOOH to 2800', set 300' C1A cement plug 2800' to 2500'.

TOOH to 2100', set 200' C1A cement plug, 2100' to 1900'.

10. TIH and perforate 7" casing with 4 holes each @ 1875',1850',1800',1750', & 1700'.

11. TIH and set a 400' C1A cement plug, 1900' to 1500'. WOC 8 hrs. TAG TOC, add additional C1A cement if necessary.

12. Free point 7" casing, cut casing @ free point, TOOH casing.

13. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.

14. Free point 8 1/4" casing, cut casing @ free point, TOOH casing.

15. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.

16. TOOH to 1000', set a 400' C1A cement plug 1000' to 600'.

17. Free point 10 3/4" casing, cut casing @ free point, TOOH casing.

18. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.

19. TOOH to 400' set 300' C1A cement plug 400' to 100'.

Free point 13 3/8" casing, cut casing @ free point, TOOH casing.

21. Set 100' C1A cement plug 50' in casing cut to surface. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.

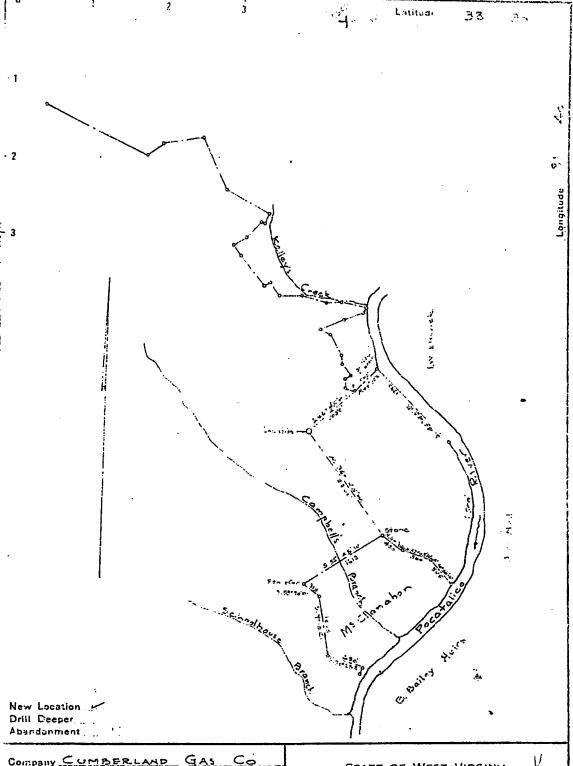
22. \*Note if unable to cut and pull 13 3/8" casing, perforate 13 3/8" casing with 4 holes each @ 90', 75', & m 2 1 1/4 50'. Set 100' C1A cement plug 100' to surface

23. Erect monument with API#, date plugged, company name, and company 6-digit ID#

24. Reclaim location and road to WV-DEP specifications.

## WEST VIRGINIA DEPARTMENT OF MINES OIL & GAS DIVISION WELLRECORD

Permit No. Kan 1168 .	
Charleston Quad	Gas Well
Company	Cumberland Gas Corp · CASING & TUBING
Address Farm	Box 2386, Charleston, W.Va.
Location	Raymond City C & T Corp A-5000 13 3/8 77 2177 77277
Well No	Pocatalico River 104 684'4 684'4 6KP-7 Elov. 865 84 1744' 1744'
District	Union Kanawha County 7 1986'2 1686'2
Surface	Raymond City Coal & Transp. North Bend, 0
Mineral	Same 5 4848170 4848170
Commenced Completed	Aug. 31,1944 31 1864'3 None
Date shot	Dec. 20,1944 Dec. 21,1944 Depth 4950 to 4916 1-7"x85/8x16" B.H.
	Dec. 21,1944 Depth 4950 to 4916 1-7" x85/8x16" B.H. with 70 qts. Nitro-Glycerine 1-7" x 8 5/8x 16" Screw-
Joen flow	50/10ths W in 3" Big Lime down Packer
<b>11-3</b>	26/10ths W 5½" 17# Oriskany 1-85/8 x 10% x 16"
Volume	671 M Big Limo, 1,286 M. Oriskany Size 3 x 85/8 x 16"
	590 B.L. 24 B.L. (3) 1768'5 1550 Oriskany 42 lbs. Oriskany (8) 1732-(7) 1988'
Fresh Water	1550 Oriskany 42 lbs. Oriskany (8) 1732-(7) 1988'
	Perf. top 4924
	Casing cemented 5½ 30' 12-5-44 " bot 4931
	10 bags cement 15 bags aquagel Coal at 100°,72"
Soil	0 10 White Slate 3670 3925
Sand	10 60 Brown Shale 3925 4130
Blue Slate	60 100 White Slate 4130 4562
Conl	100 106 Brown Shale 4562 4813
Blue Slate White Slate	106 150 Corn Lime 4813 4916
Red Rock	150 180 Oriskany 4916 4949 180 225 Black Lime 4949 4950
White Slate	225 280 TOTAL DEFTH 4950
Sand	280 300 Small show gas 4710
Red Rock	300 310
Slate & Shells	310 330 Gas 4918-4920 4/10 W 5½" 17# 504 M
Red Rock Slate	330 340 Gas 4920-4926 5/10 W 5½ 17# 564 M 340 370 Gas 4926≥4931 8/10 W 5½ 17# 713 M
Sand	370 390 Shot 12-21-44 with 70 qts Nitro-
Slate	390 445 glycerine from 4916-4950. Test before
Rod Rock	445 465 shot 1 1/2/10 W 51" 17# 304 M. Tamp
Lime	465 495 bridged with shot. Hole filled with
Slate & Shells Sand	495 510 Water to clean out and was bailed 510 585 down. Test 7 hrs. after water began
Slate .	585 592 to blow 26/10 W 5½" 17# 1,286 M
Gritty Lime	592 625 42 hr. Rock Pressure 1550#
Slate	625 680
Gritty Lime	680 725
Slato & Shells Sand	725 760 760 <del>9</del> 00
Slate & Shells	21.15
Sand	978 1005
Slate	1005 1100 N
Lime Slate & Shells	1100 1130
Sand	1130 1170 1170 1230 ag Show of cil 1175
Lime	1230 1270
Slate	1270 1319
Sand	1319 1570
Slate Sand	1570 1578 1578 161 <b>5</b> :
Slate	1615 1622
Sand	1622 1714
Big Lime	1714 1870 Show gas 1822-1823
Injun	1870 1928
Black Lime Slate	1928 1934 Gas 1836-1844 10/10 W 2" 133 M 1934 1940 Acidized 10-13-44 1500 Gals.
Sand	1940 1972 50/10 W 3" 6V1 M
Slate & Shells	1972 2337 24 hr. R.P. 590#
Brown Shale	2337 2352
Berea S <sub>a</sub> nd Slate & Shells	2352 2367
Brown Shale	2367 3592 3592 3670
semedatas exciseded	COLO MONE



Company CUMBERLAND GAS CO

Address Cha leston. West Ya.

Farm Raymond City Coal & Transported in Corr

Tract Acres 5000 Lease No. C. K.P. 1

Well (Farm) No. 7 Serial No. C. K.P. 7

Elevation (Spirit Level) 865

Quadrangle Charleston

County Konawha District Union

Engineer Avi. Carper 1r.

Engineer's Registration No. 738

File No. Dowing No.

Date 10 August 1944 Scale 1 1220

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

## WELL LOCATION. MAP

- + 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 worder line of original tracing

WW-4-A	
Revised 6/07	

1)	Date:	April	April 12, 2017				
2)	Operator's Well Number						
	416391 (Raym	ond Ci	ty Coal	Cł	(P-7)		
3)	API Well No.:	47	039	-	01168		
		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:	/	5) (a) Coal C	Operator:
	(a) Name	Kanawha County Commission		Name	None
	Address	409 Virginia Street		Address	
		Room 230			
		Charleston, WV 25301			
	(b) Name			(b) Coal Own	er(s) with Declaration
	Address			Name	Robert Cunningham
					c/o W. B. Cunningham
				Address	P. O. Box 7146
					Charleston, WV 25356-7146
	(c) Name			Name	
	Address			Address	
6)	Inspector	Terry Urban		(c) Coal Less	see with Declaration
	Address	P. O. Box 1207		Name	None
		Clendenin, WV 25045	AMOUNT BY	Address	
	Telephone	(304) 549-5915	**************************************		

#### 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	day of April 2017
	Notary Public
My Commission Expires:	2/20/18

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 and provided the privacy of the privacy Officer at depprivacyofficer and provided the provid

STATE OF WEST VIRGINIA

NOTARY PUBLIC

Misty S Christie

1207 Briercliff Rd

Bridgeport, WV 26330

My Commission Expires February 20, 2018

#### RECEIVED Office of Oil and Gas

JUL 1 1 2017

WW-9 Revised 5/16

WV Department of Environmental Protection

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Page of			
2) Operator's Well	Numl	ber	
416391 (Raymond	City	Coal (	CKP-7)
3) API Well No.:	47		01168

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name:	EQT PRODUCTION COMPANY	OP CC	DDE:
Watershed (HUC 10): Pocatalico River Quadrangle:		Pocatalico 7.5'	
Do you anticipate using more than 5,000 bbls of water to comple Will a pit be used? Yes_X_ No If so, please describe anticipated pit waste:		ete the proposed well work?	Yes No_X
Will a synthetic liner be use		Is so, what ml.?	
Proposed Disposal Method	-	10 30, What III. ?	2010-ml
NO LAWA A	Land Application (if selected pr Underground Injection (UIC Pe		
X	Reuse (at API Number Vario		
X	Off Site Disposal Permit (Suppl	y form WW-9 for disposal location. S	See attachment)
Will closed loop system be			
Drilling medium anticipated	for this well? (vertical and horizonta	)? Air, freshwater, oil based, etc.	
	at type? Synthetic, petroleum, etc.		
Additives to be used in drill			
Drill cuttings disposal meth	od? Leave in pit, landfill, remove offs	ite, etc.	
If left in pit and pia	an to solidify what medium will be used?		
Landill or offsite i	name/permit number?		
Permittee shall provide written	notice to the Office of the Oil and Gas of	any load of drill cuttings or associated wa	coto princted at an
West Virginia solid waste facili	ity. The notice shall be provided within 2	hours of rejection and the permittee sha	aste rejected at any
where it was properly disposed		riodis of rejection and the permittee sha	also disclose
April 1, 2016, by the Office or provisions of the permit are aw or regulation can lead to I certify under penalty of form and all attachments the	of Oil and Gas of the West Virginia D enforceable by law. Violations of any o enforcement action. law that I have personally examined ereto and that, based on my inquiry o	ns of the GENERAL WATER POLLU- ivision of Environmental Protection. It is term or condition of the general pen- and am familiar with the information so if those individuals immediately respondented. If am aware that there are significant	understand that the mit and/or other applicable submitted on this application usible for obtaining the
Company Official Sign	nature	119/	
Company Official (Typ	ped Name) Victoria J. Roark		
Company Official Title	Permitting Supervisor - W	v /	
Subscribed and sworn be	Veste of Christie	day of OFFICIANGEAN STATE OF WEST VIRGINIA	.2017 Web
My Commission Expires	0 - 2/20/18	MOTARY PUBLIC  Misty S Christie  1207 Briercliff Rd  Bridgeport, WV 26330  My Commission Expires February 20	
	3	- Julian State Control	07/4/4/

#### OPERATOR'S WELL NO.: 416391 (Raymond City Coal CKP-7)

#### **LEGEND**

Property Boundary		Diversio	n //////
		Spring	Wet Spot
Road		$\bigcirc$	<b>-</b> ₩
Planned Fence	Drain Pipe	with size in inches	Water Way
_/_/_/		<b>- 12</b>	<b>←</b> → <b>←</b> →
Existing Fence	Stre	eam	Cross Drain
Open Ditch	Artifici	al Filter Strip	Rock
	<b></b> ►	XXX	<del> </del>
North	Building	Water well	Drill site
N ——		W	$\oplus$
Pit with Cut Walls	Pit with Cor	npacted Walls A	rea of Land Application of Pit Waste
E	سنر	•	
	-	1-1-	
Fertilizer (10-20-20) or equiv  Mulch2  Area I		1/3 ton	Area II
Seed Type	lbs/acre	Seed T	ype lbs/acr
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	. 5
Annual Rye	15		
ATTACH: Drawing(s) of road, location, pit Photocopies section of involved	t and proposed area for land and 7,6' topographic sheet.	oplication.	
Plan approved by:  Comments:	We	11e 4HCm	p in Storage Fiels
	\		·
Title: 1 Miles		Date: 5-8-1	7
Title: Sop Bulah. Field Reviewed?	YesNo	Date: <u>5-8-1</u>	Received

## EQT Production Water plan Offsite disposals

#### Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

#### **Waste Management - Northwestern Landfill**

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV Topo Quad: Pocatalico 7.5' 1" = 200' Scale: Kanawha County: March 30, 2017 Date: District: Union Project No: 52-14-00-07 Topo 47-039-01168 WV 416391 (Raymond City Coal CKP-7) Pit Location Map 47-039-01168 WV 416391 NAD 27, South Zone **LEGEND** N:545320.45 E:1794169.68 PIT-CUT WALLS PIT-COMPACTED WALLS WGS 84 AREA OF LAND APPLICATION OF PIT WASTE LAT:38.495493 NO LAND LONG:-81.719030 APPLICATION. ELEV:858.33 SURVEYING AND MAPPING SERVICES PERFORMED BY: **EQT Production Company** ALLEGHENY SURVEYS, INC. P.O. Box 280 1-800-482-8606 Bridgeport, WV 26330 237 Birch River Road Birch River, WV 26610

PH: (304) 649-8606 FAX: (304) 649-8608

07/14/2017

3901168P Topo Quad: Pocatalico 7.5' 1" = 500' Scale: Kanawha County: March 30, 2017 Date: Union District: Project No: 52-14-00-07 Highway 47-039-01168 WV 416391 (Raymond City Coal CKP-7) Pit Location Map 47-039-01168 WV 416391 NAD 27, South Zone LEGEND N:545320.45 E:1794169.68 PIT-CUT WALLS PIT-COMPACTED WALLS **WGS 84** 



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**

P.O. Box 280 Bridgeport, WV 26330



LAT:38.495493 LONG:-81.719030 ELEV:858.33



Topo Quad: Pocatalico 7.5' 1" = 2000' Scale: Kanawha County: Date: March 30, 2017 District: Union Project No: 52-14-00-07 Topo 47-039-01168 WV 416391 (Raymond City Coal CKP-7) Winter Sissonville 7.5' Quadrangle Sissonville 7.5' Quadrangle Pocatalico 7.5' Quadrangle Pocatalico 7.5' Quadrangle 47-039-01168 WV 416391 RD NAD 27, South Zone N:545320.45 E:1794169.68 McClanahan Cem WGS 84 LAT:38.495493 LONG:-81.719030 Lanham ELEV:858.33 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. P.O. Box 280 1-800-482-8606 Bridgeport, WV 26330 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608



#### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Raymond City Coal CKP-7 - WV 416391 - API No. 47-039-01168

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 416391.

#### 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 fux: 304-756-2948

#### MARTINSBURG OFFICE

25 Lights Addition Drive Martinsburg, WV 25404 phone: 304-901-2162 fax: 304-901-2182

Topo Quad: Pocatalico 7.5' Scale: 1" = 2000' Kanawha County: Date: March 30, 2017 Union District: Project No: 52-14-00-07 Water 47-039-01168 WV 416391 (Raymond City Coal CKP-7) No Potential Water Sources within 1000' Winter OLDER-RO Sissonville 7.5' Quadrangle Sissonville 7.5' Quadrangle Pocatalico 7.5' Quadrangle Pocatalico 7.5' Quadrangle 47-039-01168 WV 416391 NAD 27, South Zone N:545320.45 E:1794169.68 McClanahan Cem WGS 84 LAT:38.495493 LONG:-81.719030 Lanham ELEV:858.33 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 P.O. Box 280 Bridgeport, WV 26330 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

<del>07/14/2017</del>

WW-7 8-30-06



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

API: 47-039-01168 WELL NO.: WV 416391 (Raymond City Coal CKP-7)				
FARM NAME: Raymond City Coal & Transportation Corp.				
RESPONSIBLE PARTY NAME: EQT Production Company				
COUNTY: Kanawha DISTRICT: Union				
QUADRANGLE: Pocatalico 7.5'				
SURFACE OWNER: Kanawha County Commission				
ROYALTY OWNER: I.V. Cunningham Estate, et al.				
UTM GPS NORTHING: 4261038				
UTM GPS EASTING: 437298 GPS ELEVATION: 261m (858ft)				
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				
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 $05^{\pm}2180$ $4/5/17$ Signature Title Date				