

#### 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

August 29, 2013

#### WELL WORK PLUGGING PERMIT

#### Plugging

This permit, API Well Number: 47-3901940, 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 penalities 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

Chief

James Martin

Operator's Well No: (A-5-1401) WV 127421

Farm Name: GOFF, PAUL API Well Number: 47-3901940

Permit Type: Plugging
Date Issued: 08/29/2013

Promoting a healthy environment.

Form WW-4 (B) Permit Copy (Rev 2/01) Date: August 15, 2013
Operator's Well

Well No. API Well No.: WV 127421 (Courtland A-5) 47 039 - 01940

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

#### APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4)	Well Type	: 0	il	Gas	X	Liquid Injection		Waste Dis	posal:	
	If Gas, Pro			X		round storage _		 Deep	Shallow	Х
5)		E	levation:	852	Watershee	d: Davis Creek of	the Great	Kanawha Ri	ver	
	Location:		Loudo	on	County:	Kanawha	C	Quadrangle:	Charleston We	est 7.5'
	District:									
6)			EQT Pro	duction C	ompany	7) Desi	gnated Age	ent: Rex	C. Ray	
	Well Oper	ator	120 Prof	essional F	Place	Addı	ess: 1	20 Professio	nal Place	
	Address:		Bridgepo	ort, WV 26	330		В	Bridgeport, W	V 26330	
8)						9) Plug	ging Contra	actor:		
	Oil & Gas	Terry	Urban			Nam	e: Hydr	oCarbon We	ell Service	
	Name:	P.O.	Box 1207			Addı	ess: PO E	3OX 995		
	Address:	Clen	denin, WV	25045			Buck	channon, WV	/ 26201	
_										
	A 430 4 N		5.0006		40.00	A Property Commencer		1000		

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  Work order approved by inspector	before permitted work can commerced CO

Office of Oil and Gas
Office of Environmental Protection

#### PLUGGING PROGNOSIS

#### **Courtland Land Co. #5 (127421)**

Kanawha County, West Virginia API # 47-039-01940 Chas.8 S.W. Quad

BY: Craig Duckworth ELEU 848.31

DATE: 2/18/13

#### CURRENT STATUS:

10 3/4" csg

@ 529

8 5/8" csg 5 1/2" csg @ 1407 pulled

@ 1692' (R/L Nipple at 1391') Packer @ 1590' cemented with 40 sks.

2" tbg

24 T 1

@ 1661'

TD @ 1665'

Fresh Water @ 135' & 526' (see well record)

Salt Water @ 731'

Salt Sand @ 859' Borrow

Coal @ 18'-110'- 290' - 433'

Gas shows @ 526' - 1590' - 1620' - 1630'Tops

PERFORMIONS 1596-1602, 1612-16, 1637-76

Oil Shows @ 526'

Stimulation: Fractured Big Injun (1590'-1630') Perforated 1612' to 1596'

- 1. Notify State Inspector, Terry Urban 304-549-5915, and 24 hrs prior to commencing operations.
- 2. TOOH w/ 2" tbg and check condition.
- 3. TIH w/ tbg @ 1630'; Set 140' C1A Cement Plug @ 1630' to 1490' (Big Injun & Perfs.))
- TOOH w/ tbg @ 1490'; Gel hole @ 1490' to 1440' 4.
- TOOH w/ tbg and attempt to pull 5 1/2"; Freepoint 5 1/2", cut/shoot @ freepoint Set 100' C1A 5. Cement Plug @ 1440' to 1340' (5 1/2" csg)
- Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 5 1/2" cut. Do not omit any plugs
- TIH w/ tbg @ 1340'; Gel hole @ 1340' to 860' 7.
- TOOH w/ tbg @ 860'; Set 100' C1A Cement Plug @ 860' to 760'( Salt Sand) 8.
- TOOH w/ tbg @ 760'; gel hole @ 760' to 579' 9.
- TOOH w/ tbg @ 579'; Set 196' C1A Cement Plug @ 579' to 383' ( Gas & Oil @526' & FW @ 10. 526' & Coal 433')
- TOOH w/ tbg @ 383'; gel hole @ 383' to 340' 11.
- TOOH w/ tbg @ 340'; Set 100' C1A Cement Plug @ 340' to 0' (Coal 290', Coal 110' & 18' FW 12. 135') 340'
- 13. Top off as needed
- Set Monument to WV-DEP Specifications 14.
- Reclaim Location & Road to WV-DEP Specifications 15.

Muy 8.19.13 AUG 20 2013 W Dept. of Environmental Protection



#### STATE OF WEST VINGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 12

Quadrangle Chas. 8 SW

WELL FRACTURED\_

WELL RECORD Permit No. Kan-1940 Gas Oil or Gan Well Company Cities Service Oil Company Casing and Tubing Used in Drilling Left in Well Address P. O. Box 873, Charleston 23, W. Va. Packers Farm The Courtland Company Acres 5, 350 Location (waters) Kirby Hollow Well No. 5 - GW-1401 Size Elev. 848, 31 Kind of Packer-13 3/8" 484 District Loudon Kanawha 331 331 \_County\_ Anchor Packer Size of 5-1/2" 10.3/4" 324 Lucy Jones 5291 The surface of tract is owned in fee by\_ 5291 Route #2, Box 315 8¼" Z4# Address Charleston, W. Ya 1407 pulled Mineral rights are owned by The Courtland Co. 65% Depth set 1, 5901 53/16" 14# 16921 205 Odd Fellows Bldg Address Charleston, W. Va. 16921 5-4-63 Drilling commenced\_ Perf. top. 5-31-63 23/8" 4# 16611 6611 Drilling completed\_ Perf. bottom. Date Shot not shot w/ cage set at Liners Used\_ Perf. top. With 1, 643 Perf. bottom Open Flow /10ths Water in Inch /10ths Merc. in. CASING CEMENTED\_ SIZE show Volume. Cu. Ft. See reverse side Rock Pressure. COAL WAS ENCOUNTERED AT 18 FEET bbls., 1st 24 hrs. WELL ACIDIZED not acidized 110 FEET 36 INCHES 290 FEET 48 INCHES

RESULT AFTER TREATMENT 27/10 M. 2" = 868 MCF - Big Injun ROCK PRESSURE AFTER TREATMENT 96 hours 4304 Braden Head - 4254 Tubing Fresh Water 135' 526-39' Salt Water 7315

see reverse side

433 FEET 48 INCHES

Formation	Color	. Hard or Soft	Тор	Bottom	or Water	Depth	Remarks
Soil		7	0	18			
Coal			. 18	20	1		
Sand			20	88	1	1	
Slate			88	110	1.		i i
Coal			110	113	1	1	
late			113	130			
Broken Sand			130	215	F. water	1251	2 (0.05) 0.000
late '			215	226	T. Water	1351	2-13"blr/hr.
and			.226	238		1	
Slate			. 238 .	290	131:		
Coal	ή.	1.0	. 290	294	1.17		
and			. 294	320		1	A
late		1 1	320	433	1000	}	1
Coal		!	433	437			9-0
late			437	506	The same of		- E
and			506	545.		Visit in the	
Iate			545		F. water	526-391	Exh.
roken Sand		15	560	560:	Gas	526-391	
late .		11	859	859	OII	526-391	show eceived
and			885	885	S. water	7311	hole full
late and Shel	ls		7001	1001			
and		6Paca	1070	1070			2105 P JULA
ate and Shel	18 522	(40263)	1251	1251	1	ľ	610 19 1112
encil Cave	600	- G	1348	1348		1	Kass
g Lime	S READ IN REV	24252627 JK 1963	1350	1350	i		1
g Injun	B DE	CEIVED 3		1590		1 1	8/10 W L! 1 50 Minonmental Protection 18 to 261
	TO WA	st Vinginia N	1590	1630	Gas	1590-951	8/10 w 114 Sayronmental Plotte
7	Dept Dept	of Mines		1	Gas	1620-301	TWY DER G SUM

1630-40'inc. fm. 26to 301

Pormation	Color	Hard or Boft	Top / 7.	F .om	Oil, G. -er Water	Depth Found .	· Remarks
ilate and Sh	plis		1630	1661			·
otal depth-				1661'DL	<b>.</b>		
			·	16711 Scl	lumberger	Meas.	
lugged bac	k to			1665†	_		
			,				
ASING RE	ORD				• •		
-12-63	Ran 10-3	i' casing w	th shoe at 5	18'DLM. Se	tin 20' of r	ed mud	
22 62		1			ŀ	ļ	·
-23-63 R	2n 8-5/8"	casing with	shoe at 1385	DLM - Set	in 20' of rea	mud - pull	ed
-3,-63 R	n 5-1/2"	casing with	steel shee at	1671' Schl	mberger M	Pasurement	Bakes
Z.	pat meert	174.4. Off PO	tom. Anche	r packer at	11.590'. R/	L Nipple 139	111100
. 10	in central:	zers on firs - killed ga	k full joint c	lf bottom. I	lan I centra	lizer second	inime
. 40	Backs.		- WAGE 47 ME	CYP Get - 5	SECKS GEITTS	kc. Cemen	ed with
	l	L				,	
an mas: .	ormanon /	Density, Ter	pperature as	d Induction		·	·
otched 5-1	2" casing	at 1607' Sch	lumberger	dezsuremen	t.	•	
•							
RACTURE	THE BIG	INJUN 6-1	-63				
•							
mom or ETS :	pelore fra	¢turing. Use	d 500 gallon	MCA - 1.	FAA gallong	Lacuta	i
t 1800# with	2 Allison	cturing. Use to 1,600# - s. Gradually	increased ac	d with 36 b	bls. water.	Started san	1/2#/gaI
t 1800# with t 2, 600#. A	2 Allison verage inj	o 1, our - ction rate	displaced ac increased in 2 bbls/miss	id with 36 b 2 2 / gallon to. Average	bls. water. Started flu	Started sandship at 1,800	1/2#/gal -finished
t 1800# with t 2, 000#. A 0-40 sand,	2 Allison verage inj 90, 000 sta	s. Graduali ection rate adard cubic	increased action increased	id with 36 b a 2#/gallon to, Average gen, 460 bi	bls. water. Started flu pressure l ls. water a	Started sandship at 1,800	1/2#/gal -finished
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1800f with 2,000f. A 0-40 sand, -T3-63 - Fi	2 Allison verage inj 90, 000 sta	s. Graduali ection rate adard cubic	increased action increased	id with 36 b a 2#/gallon to, Average gen, 460 bi	bls. water. Started flu pressure l ls. water a	Started sandship at 1,800	1/2#/gal -finished
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1800f with t 2,000f. A 0-40 sand, -T3-63 - Fi	2 Allison verage inj 90, 000 sta	s. Graduali ection rate adard cubic	increased action increased	id with 36 b a 2#/gallon to, Average gen, 460 bi	bls. water. Started flu pressure l ls. water a	Started sansh at 1,800,630#. Usend 46 bbls.	1/2#/gal -finished 28,000# ilush,
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1800f with 2, 600f. A 0-40 sand,	2 Allison verage inj 90, 000 sta	s. Graduali ection rate adard cubic	increased action increased	id with 36 b a 2#/gallon to, Average gen, 460 bi	bls. water. Started flu pressure l ls. water a	Started sandshat 1,800,630 Userd 46 bbls.	Peceived  Add 19 200
1800# with 2, 600#. A	2 Allison verage inj 90, 000 sta	s. Graduali ection rate adard cubic	increased action increased	id with 36 b a 2#/gallon to, Average gen, 460 bi	bls. water. Started flu pressure l ls. water a	Started sandshat 1,800,630 Userd 46 bbls.	1/2#/gal -finished 128,000# ilush,

Date June 19	1963
Approxima Citi	, 19
APPROVED Cities Service Oil Co.	, Омпе
W S Manua	——, Онде
By W. S. Moore, Division Sup	<u>t</u>
(Title)	

Cities Service Company P.O. Box 873 - Charleston, W.Va.

PERMIT NO: KAN-1940-FRAC.

Courtland "A" #5 Well (GW-1401) Loudon District Kanawha County, W. Va.

November 16, 1976 - Perforated Big Injun Formation, 1 hole/ft. 1596-1602', 1612-16' and 333-86', Total 15 holes.

November 18, 1976 - Set Baker Model A Tension Packer at 1585'. Prepared for Frac.

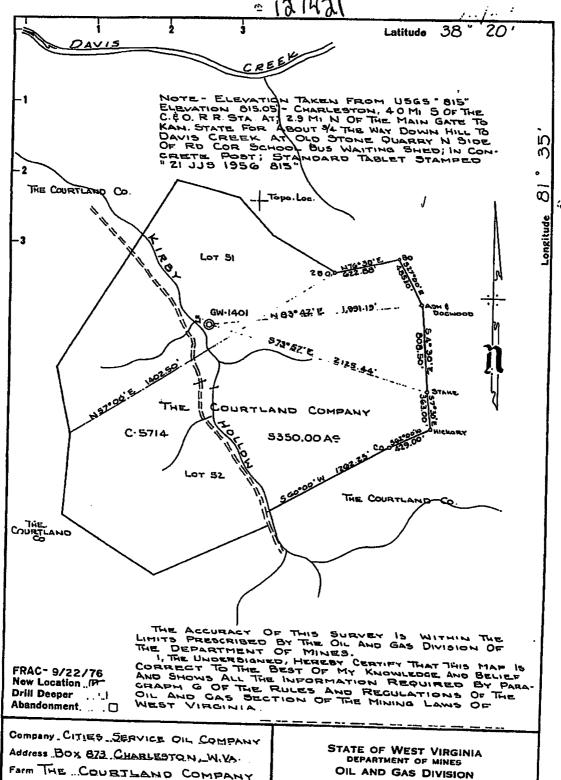
November 22, 1976 - Pumped 250 gallons of 28% mud acid, 100# of Benzoid Acid Flakes (Diverting Agent) and 250 gallons of 28% mud acid into Big Injun. Foam fraced Big Injun with 30,000# 20-40 sand, foam quality 75% in 8400 gallons of water, 371,000 Ft of N2. After pumping 10,000# of sand, pumped 100# of Benzoid Flakes.

Noted three pressure increase (2000 psi to 2450 psi). ISIP = 1900 psi. 5 min. SIP = 1100 psi. Shut in 1-1/2 hours. Installed 3/4" choke. Opened well. Blew light mist of water and foam. After 5 hours well blowing very light mist of fluid. Left well open

New Conbert, 29; :-1976 - Big Injun Production -70 MOVENT

Received

AUC 19 2013



FARM THE .. COURTLAND COMPANY Tract\_51 . Acres 5350 Lease No. C-5714-Well (Farm) No.\_. 5 Serial No. GW-1401 Elevation (Spirit Level) 848.31 Quadrangle CHARLESTON 8 5253 W409 County KANAWHA District LOUDON .. Engineer \_... Engineer's Registration No. 2113 File No.\_\_\_ \_\_ Drawing No. W.9.-63 Date 5 MAR G3 Scale 1"= GGO'

CHARLESTON

## WELL LOCATION MAP FILE NO. NAN- 1940 - FRACE CEIVED

+ Denotes location of well on United States Topographic Maps, scale I to 62500 latitude and longitude lines being represented by border lines as shown.

 Denotes one inch spaces on border line of original tracing. 47-039

AUG 19 1

Office of Oil and Gas WV Dept. of Environmental Protection

WW-4-A	
Revised	6/07

1) Date: August 15, 2013
2) Operator's Well Number
WV 127421 (Courtland A-5)
3) API Well No.: 47 039 - 01940

County

State

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

Check# 16365
(4 permits)

1)	Surface Owner(	s) to be served:	/	5) (a) Coa	Operator:
	(a) Name	Paul E. Goff		Name	None
	Address	80 Corsicana Drive		Address	
		Charleston, WV 25314			
	(b) Name			(b) Coal Ov	vner(s) with Declaration
	Address			Name	The Courtland Company
					114 Monongalia St.
				Address	Charleston, WV 25302-2312
	(c) Name			Name	£
	Address			Address	
			1		
3)	Inspector	Terry Urban		(c) Coal Le	ssee with Declaration
	Address	P.O. Box 1207		Name	None
		Clendenin, WV 25045		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.

OFFICIAL SEAL BY: STATE OF WEST VIRGINIA NOTARY PUBLIC Pamela Sykes Address: EOT Production	EQT Production Company Victoria J.Roark Permitting Supervisor PO Box 280
PO Box 280 Bridgeport, WV 26330 Telepshone: My Commission Expides Aug. 24, 2022	Bridgeport, WV 26330 (304) 848-0076
Subscribed and sworn before me this	day of Notary Public
My Commission Expires:	8-24-33

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, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-9 Revised 2/03

Page of				
2) Operator's We	II Nu	mber	-	
WV 127421 (Cou	ırtlar	nd A-5)		
3) API Well No.:	47	039 -	01940	

#### 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:	Davis Creek of the Gr	eat Kanawha River	Quadrangle:	Charleston West 7.5'
Elevation:	852 Coun	ty: Kanawha	District:	Loudon
Description of antic	cipated Pit Waste:	,	Formation Fluid	s
Will synthetic liner	be used in the pit?  Method for Treated Pit \Land Application	tion - UIC Permit Number nber)	nat ml.?	Yes No_X 30 ml
아무리에 가득하다 가는 사이지 않다.	ticipated for this well? Aised, what type? Syntheti	r, freshwater, oil based, e c, petroleum, etc.	tc	-
If left in Landfill (	oit and plan to solidify what or offsite name/permit numb		ent, Lime, sawdust	TER POLLUTION PERMIT
issued on August 1 understand that the permit and/or other I certify under pena application form ar for obtaining the in	, 2005, by the Office of Ce provisions of the permit rapplicable law or regula alty of law that I have permit all attachments thereto formation, I believe that the soft of submitting false info	Dil and Gas of the West V are enforceable by law. tion can lead to enforcem sonally examined and am and that, based on my ir	irginia Division of El Violations of any ter ent action. familiar with the inf equiry of those indivi curate and complete	ormation submitted on this iduals immediately responsible prisonment.
Company Offi	cial (Typed or Printed)	Victoria Roark		Office of Other of Gas
Company Offi		Permitting Supervisor	-WV	Office of Oliveration
	sworn before me this		aug Na aug	OFFICIAL SEAL STATE OF WEST VIRGINIA
My Commission	Expires	8-24-28		Pamela Syles FOT Production PO Box 200 Bridgeport, WV 26330 My Commission Expires Aug. 24, 203

### OPERATOR'S WELL NO.: WV 127421 (Courtland A-5)

## **LEGEND**

1 1 3

		Spring	Wet Spot	
Road		$\bigcirc$	Water Way	
Planned Fence	Drain Pipe	with size in inches		
_/_/_/	-	- 12>	<b>€</b> → <b>€</b> →	
Existing Fence	Stre	am	Cross Drain	7.7
Open Ditch	Artificia	al Filter Strip	Rock	
	···-	XXX	8888	
North	Building	Water well	Drill site	
N		W	$\oplus$	
Quining	5	$\rightarrow$		
sed Revegetation Treatm	ent: Acres Disturbed:	1± Prevegetation	pH _ g	5.8
	ent: Acres Disturbed:		рН	5.8
	ns/acre or to correct t		pH	
ne <u>3</u> Too rtilizer (10-20-20) or eq	ns/acre or to correct t uivalent	o pH6.5 1/3 ton		
ne <u>3</u> Too rtilizer (10-20-20) or eq ulch <u>2</u> Too	ns/acre or to correct t uivalent	o pH6.5 1/3 ton	lbs/acre (500 lbs	
ne <u>3</u> Too rtilizer (10-20-20) or eq	ns/acre or to correct t uivalent ns/acre or hydroseed	o pH6.5 1/3 ton		
ne <u>3</u> Too rtilizer (10-20-20) or eq alch <u>2</u> Too <b>Area I</b>	ns/acre or to correct t uivalent ns/acre or hydroseed	o pH6.5 1/3 ton	lbs/acre (500 lbs	
ne 3 Torrilizer (10-20-20) or equilch 2 Torrilizer I Area I eed Type	ns/acre or to correct to divalent ns/acre or hydroseed SEED MIXTI	o pH6.5 1/3 ton URES	lbs/acre (500 lbs	s minimum)
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ne3Tor rtilizer (10-20-20) or eq ulch2Tor Area I  eed Type -31 sike Clover nual Rye	ns/acre or to correct to invivalent ns/acre or hydroseed SEED MIXTU Ibs/acre 40 5 15	o pH6.5	lbs/acre (500 lbs	i minimum)  Ibs/acre  15 5
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Topo Quad:_	Charleston West 7.5'	Scale:	1 " = 2000'	
County:	Kanawha	Date:	May 28, 2012	
District:	Loudon	Project No	:52-14-00-07	
1. S. V. 11 + 21;	Courtland A5 WV 1	27421 (4	7-039-01940) To	рро
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Middle Ridge	II D O	N	active in the second	1
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RTOGE	Courtland A 5 47-039-01940	3	Cane Fork	J.C.
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o mirror stavices	SURVEYING AND MAPPING SERVICES PERFORM	MED BY:	PREPARED FOR:	
THE YEAR	ALLEGHENY SURVE 1-800-482-8606 P.O. BOX 438 BIRCH RIVER, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608		EQT Production Company P.O. Box 280 <sup>1, 01</sup> Bridgeport, WV 26330	and Gas

WW-7 8-30-06



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

API: 47-039-01940 WELL NO.: WV 127421 (Courtland A-5)
FARM NAME: Courtland
RESPONSIBLE PARTY NAME:EQT Production Company_
COUNTY: Kanawha DISTRICT: Loudon
QUADRANGLE:Charleston West 7.5'
SURFACE OWNER: Paul Goff
ROYALTY OWNER: The Courtland Company, et al
UTM GPS NORTHING: 4238939
UTM GPS EASTING: 442441 GPS ELEVATION: 259 m (852 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
7-5-13
Date  Office of Oil and Gas  Office of Environmental Protection