

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

July 06, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4102398, 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.

James Martin

Chief

Operator's Well No: 4133

Farm Name: DEVANEY

API Well Number: 47-4102398

Permit Type: Plugging
Date Issued: 07/06/2015

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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 under the terms of that agreement.

CK 19290

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

\$10000

Date: May 11, 2015 Operator's Well Well No. 604133 (John Devaney #4133)

API Well No .:

47 041 - 02398

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

If Gas, Prod	uction	X	Or Unde	rground s	torage		Deep _		Shallow	X
	Elevation:	1248 ft.	Watersh	ed: Bill L	ick					
Location:	Court He		County:		Lewis		Quadra	angle:	Petersor	1
District:			_				_	_		
		duction Co			7) De:	signated	d Agent:	Rex C	. Ray	
Well Operat	or 120 Prof	essional P	lace		Add	iress:	120 Pro	ofessional	Place	
Address:	Bridgepo	ort, WV 26	330				Bridge	oort, WV 2	26330	
					9) Plu	aaina C	contractor:			
	arry Stollings						HydroCart	on Well S	Service	
	8 Conifer Driv	е			Add		PO BOX 9			
Address: B	ridgeport, WV	26330					Buckhann	on, WV 2	6201	
	achment for c				ung trus	veii is a	is follows.			
					ung uns	veli is a	is follows.			
			I procedu			vell is a	is follows.			

PLUGGING PROGNOSIS - Weston

Devaney, John #2 (604133)

Lewis Co., West Virginia API# 47-041-02398 Dist: Courthouse

Craig Duckworth

DATE: 1/5/15

CURRENT STATUS:

@ 210' 10" csg 8 1/4" csg @ 400° @ 1994 6 5/8" csg

3" tbg @ 2772' (packer @ 2581')

TD @ 2823"

Fresh Water @ None reported Salt Water @ None reported 1" Salt Sand @ 1085' Coal @ None reported Gas Shows @ 5th Sand @ 2806'; 4th. Sand @ 2648'; Gordon Stray @ 2587' Oil Shows @ None reported Stimulation: 30 Qtrs. 5th Sand @ 2806'

12461 Elevation:

- 1. Notify State Inspector, Barry Stollings 304-552-4194, 24 hrs. Prior to commencing operations.
- Attempt to pull 3"csg. Free Point 3", cut 3" @ free point, TOOH w/ 3" csg
- 3. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 3" cut. Do not omit any plugs
- TIH w/ tbg @ 2823'; Set 323' C1A Cement Plug @ 2823' to 2500' (Gas Shows @ 5th Sand 2806', 4th Sand @ 2648', Gordon Stray @ 2587 & 3"csg seat)
- TOOH w/ tbg @ 2500'; gel hole @ 2500' to 1994'
- TOOH w/ tbg, Free Point 6 5/8", cut 6 5/8" @ free point, TOOH w/ 6 5/8" csg
- Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 6 5/8" cut. Do not omit any plugs
- TIH w/ tbg @ 1994'; Set 100' C1A Cement Plug @ 1994' to 1894' (6 5/8" csg cut)
- TOOH w/ tbg @ 1894'; gel hole @ 1894' to 1300' B.S. 6-16-15
- 10. TOOH w/ tbg @ 1300'; Set 315' C1A Cement Plug @ 1085' to 985' (Salt Sand @ 1085) 1300' BS. 6-16-15
- 11. TOOH w/ tbg @ 985'; gel hole @ 985' to 450'
- 13. TOOH w/ tbg @ 450'; Set 100' C1A Cement Plug @ 450' to 350' (8 1/4" csg @ 400')
- 14. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs
- 15. TOOH w/ tbg @ 350'; gel hole @ 350' to 250'. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs
- 16. TOOH w/ tbg @ 250'; Set 250' C1A Cement Plug @ 250' to Surface (10" csg @ 210')
- 18. Top off as needed
- 19. Set Monument to WV-DEP Specification
- 20. Reclaim Location & Road to WV-DEP Specifications

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PITTSBURGH & WEST VA GAS

.Company

CLARESBURG,

WEST VA.

.Addresis

COMPLETION DATA SHEET No. 2

FORMATION RECORD

Well No. 4135, John Deveney farm. Court House Dist., Lewis County, W.Va.

Cours	DOMBO DIE	100 TOMTR	Country, W. T.	<u> </u>				
Name	Color	Character	Oil, Gas or Water	Тор	Bottom	Thickness	Total Depth	Remarks
Clay	Red	Soft		0	20	20	20	
Lime	White	Hard		20	60	40	60	j
Red Rock	Red	Soft		60	90	30	90	1
Lime	White	Hord		90	100	10	100	
Red Rook	Red	Soft		100	180	80	180	
Lime	White	Hard		180	210	50	210	
Red Rock	Red	Soft		210	260	50	260	1
Lime	White	Hard		260	320	60	320	1
Slate	112240	Bort		320	335	15	335	
Lima	1 19	Herd		335	570	35	370	Ī
Blate	• 1	Soft		370	400	30	400	
Lime		Hard	· ·	400	460	60	460	
Slete	, i	Soft		460	480	20	480	
	ů	Hard	1	480	51.5	35	515	
Lime Red Rook	Black	Soft	!	515	585	20	535	•
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Lime	1 1	Soft	}	670	725	55	725	<u> </u>
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Lime	White	Hard		885	975	70	975	ar o
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Blate	Black	Soft		1515	1355 1380	40	1380	
Lime	White	Hard	1	1355	1415	25	1415	
Blate	Black	Soft		1580	1615	35	1615	
2nd.Salt S				1415		200	TOTO	
Slate	Black	Soft	Ì	1615	1650	15	1650	
Lime	White	Hard		1680	1710	80	1710	
Red Rock	Red			1710	1785	15	1725	
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Sand	**	Hard		1750	1765	15	1766	
Slate	i ii	Soft		1765	1775	10	1775	
Red Rock	Ređ	17] [1775	1880	105	1880	
Maxon Sand	White	Hard		1880	1895	15	1895	
Blate	Red	Soft] [1895	1902	7	1902	
Line	White	Herd	[1908	1922	20	1922	
Slate	*	Soft		1988	1935	15	1935	
Lime		Hard	1	1935	1940	5	1940	•
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shot Well was not shot at		shot at	······································	·	fest.	
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producing Well was 8–8/8 hole.		PITTSBURGH	& West v	7A GAS	COMPANY	, • .
Date	Approved		wner			- :

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

WV Department of Environmental Protection

PITTSBURGH & WEST VA GAS CO Company

CLAREBHURG, W. VA. Address

COMPLETION DATA SHEET No. 2 FORMATION RECORD

Well No. 4155, John Devaney fara. Court House Dist., Lewis County, W. Va.

Name	Color	Character	Oil, Gas or Water	Тор	Bottom	Thickness	Total Depth	Remarks
Slate Little Lime Pencil Cave Big Lime Big Injun Slate&Shells Gordon Stray Slate Sand Slate 4th.Sand Slate&Shells 5th.Sand Slate	White White White White	Soft Hard Soft Hard Soft Hard Soft Hard Soft	G-25481 G-2806	1940 1949 1964 1974 2180 2576 2602 2615 2625 2630 2670 2804 2812	1949 1964 1974 2054 2180 2576 2602 2615 2625 2630 2670 2804 2812 2823	9 15 10 80 126 396 25 13 10 5 40 134 8 111	1949 1964 1974 2054 2186 2576 2602 2615 2625 2670 2804 2812 2823	
						•		RECEIVED Office of Oil and Gas

Well was not shot at 50 Qts. 5th.Ss	andest; well was shot at	feat_
Salt Fresh water at	talt	fect
well was 6-5/8 hole.	PITTSBURGH & WEST VA GAS CO	MPANY.
Data	Approved Dy,	

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

WW-4-A Revised 6/07		1) Date: 2) Operator's W		
		3) API Well No.:	1 Devaney #4133) 47 041 - 02398 State County Permit	
DIVIS	STATE OF WEST VIRGINIA - BUREA SION OF ENVIRONMENTAL PROTECT NOTICE AND APPLICATION TO PLU	ION, OFFICE C	MENT FOIL & GAS	
4) Surface Owner(s (a) Name Address		5) (a) Coal (Name Address		_ ^
(b) Name Address	Weston, WV 26452	(b) Coal Own Name Address	er(s) with Declaration Mullooly Series T Trust Attn: Kevin Mullooly 652 Keith Fork Road	- - -
(c) Name Address		Name Address	Weston, WV 26452	- - -
6) Inspector Address Telephone	Barry Stollings 28 Conifer Drive Bridgeport, WV 26330 (304) 552-4194	(c) Coal Less Name Address	ee with Declaration None	
work and d (2) The plat (so The reason you instructions on Take notice tha this Notice and Office of Oil an on the attaches have been mai	NAMED ABOVE: You should have ation to Plug and Abandon a Well on Form WW-describes the well its and the plugging work order arveyor's map) showing the well location on Form u received these documents is that you have right the reverses side. However, you are not required at under Chapter 22-6 of the West Virginia Code Application and accompanying documents for a local Application and depicted on the attached Form all delivered by registered or certified mall or delivered by stances) on or before the day of mailing or delivered.	4B, which sets out to ; and n WW-6. nts regarding the ap ed to take any action , the undersigned w n permit to plug and Protection, with resp n WW-6. Coples of hand to the person	plication which are summariamed of the or at all. We pert of Environ at all operator proposes to file or has filed abandon a well with the Chief of the pect to the well at the location described this Notice, the Application, and the pla	and Gas mental Protectio
Subscribed and swo	Well Operator: EC By: Vii Its: Pe Address: PC Br Telephone: (30)	T Production Constoria J.Roark rmitting Supervise D Box 280 Idgeport, WV 263: 04) 848-0076 y of	or VI- feet of f	
personal information may or regulatory requirement	processes your personal information, such as name, act be disclosed to other State agencies or third parties its, including Freedom of Information Act requests. Ou use of your personal information please contact with STATE OF WE NOTAR	Idress and phone num In the normal course o Ir office will appropriate INTERIOR OFFICE INTERIOR OFFI	nber, as part of our regulatory duties. Your f business or as needed to comply with statuely secure your personal information. If you he at depprivacyofficer@ww.gov.	

RECEIVED Office of Oil and Gas

WW-9 Revised 2/03

MAY 1 3 2015

Page ____ of ____ 2) Operator's Well Number

604133 (John Devaney #4133)

WV Department of Environmental Protection

3) API Well No.: 47 041 - 02398

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		OP ID:	* (<u>*</u> (<u>*</u>) () () ()
Watershed:	Bill L		Quadrangle:	Peterson
Elevation:	1248 ft. Cour	ty: Lewis	District:	Court House
Description of anti-	cipated Pit Waste:	_	Formation Fluids	
	using more than 5,000 bb be used in the pit?		the proposed well work what ml.?	Yes No_X 40 ml 20 ml.
Proposed Disposa X		tion - UIC Permit Numb	er	
	ticipated for this well? A sed, what type? Synthet		, etc	
If left in	esal method? Leave in p pit and plan to solidify what or offsite name/permit numb	medium will be used? Ce		-
issued on August 1 understand that the permit and/or other I certify under pena application form ar for obtaining the in significant penaltie	I, 2005, by the Office of 0 e provisions of the permit r applicable law or regula alty of law that I have per and all attachments thereto formation, I believe that to s for submitting false info	Dil and Gas of the West are enforceable by law ation can lead to enforce sonally examined and a and that, based on my the information is true, a	Virginia Division of En Violations of any term ement action. Imm familiar with the inform inquiry of those individual accurate and complete.	TER POLLUTION PERMIT vironmental Protection. I ms or condition of the general simulation submitted on this duals immediately responsible I am aware that there are risonment.
Company Offi	cial Signature	UN		
Company Offi	cial (Typed or Printed)	Victoria Roark		
Company Offi	cial Title	Permitting Supervis	or-WV	
Subscribed and	sworn before me this	Christie	Notary Po	, 2015
My Commission		OPFIC STATE OF V	HAL SEAL 2	

Misty S Christie 1207 Briercliff Rd Bridgeport, WV 26330

My Commission Expires February 20, 2018

OPERATOR'S WELL NO .:

604133 (John Devaney #4133) LEGEND Property Boundary Diversion Spring Wet Spot Road -65 ========= Planned Fence Drain Pipe with size in inches Water Way - 02 -C-> C-> Existing Fence Cross Drain - X X X X Open Ditch Artificial Filter Strip Rock 2000 XXXX North Building Water well Drill site 0 (W) Pit with Cut Walls Pit with Compacted Walls Area of Land Application of Pit Waste Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 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 lbs/acre Seed Type lbs/acre Seed Type 15 40 Red Fescue Red Fescue 5 Alsike Clover Alsike Clover 15 Annual Rye ATTACH: Drawing(s) of road, location, pit and proposed area for land application. Photocopies section of involved 7.5' topographic sheet. Plan approved by:

Field Reviewed?

Topo Quad:	Peterson 7.5'	Scale:	1 " = 20	000'
County:	Lewis	Date:	April 23	3, 2015
District:	Court House	Project No:	73-12-0	00-08
47	7-041-02398 WV 6041	33 (John De	evaney #	#4133) Topo
ma	www.		184A	
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		Fork		
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			Das. Wyth	
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		Knob		Department of Protection
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+ 50	Suid.	So, W	918	
TISTX		1634 - 7661		NAD 27, South Zone
SHALL STATE	raz Well	"ang" -	Well Well	N: 717,376.36 E: 2,125,939.53
				WGS 84 LAT: 38.969297
	The state of the s	13 30-1		LONG: -80.556899 ELEV: 1248.32
LEGHEL A	SURVEYING AND MAPPING SERVICES PERFORME LLEGHENY SURVEY	DBY:	RED FOR: EQT Prod	luction Company
in Company	1-800-482-8606 237 Birch River Road Birch River, WV 26610	T. C.	1	P.O. Box 280 peport, WV 26330
VEYS.	PH: (304) 649-8606 FAX: (304) 649-8608			07/10/2015

Office of Oil and Gas

WW-7 8-30-06



WV Department of Environmental Protection

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

SURFACE OWNER:Thomas B. Mullooly Beneficial Trust	
QUADRANGLE:Peterson 7.5` SURFACE OWNER:Thomas B. Mullooly Beneficial Trust	
QUADRANGLE:Peterson 7.5` SURFACE OWNER:Thomas B. Mullooly Beneficial Trust	
QUADRANGLE:Peterson 7.5` SURFACE OWNER:Thomas B, Mullooly Beneficial Trust ROYALTY OWNER:EQT Production Company, et al.	
ROYALTY OWNER: EQT Production Company, et al.	
UTM GPS NORTHING: 4313463 .	
UTM GPS EASTING: 538386 . GPS ELEVATION: 380 m (1248 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 _X : 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.	
#30/15 Signature Title Date	



POTENTIAL WATER SAMPLE DATA SHEET

EQT PRODUCTION COMPANY LEASE NAME AND WELL No. John Devaney #4133 - WV 604133 - API No. 47-041-02398

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 604133.

RECEIVED Office of Oil and Gas

MAY I 3 2015

WV Department of Environmental Protection

BIRCH RIVER OFFICE 237 Birch River Road

Birch River, WV 26610 Marie 304-649-8606 304-649-8608

BRIDGEPORT OFFICE

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

CALDWELL OFFICE 212 Cumberland Street Caldwell, OH 43724

plane. 740-305-5007 (a) 740-305-5126

ALUM CREEK OFFICE P.O. Box 108 • 1413 Childress Rd 401 South Fairfax Blvd, Suite 3 Alum Creek, WV 25003

phone 304-756-2949 304-756-2948

RANSON OFFICE

Ranson, WV 25438 plan. 304-724-5008 304-724-5010

07/10/2015

Topo Quad	:Peterson 7.5'	Scale:	1 " = 2	000'
County:	Lewis	Date:	April 2	3, 2015
District:	Court House	Project No:	73-12-	00-08
Water	47-041-02398 WV	604133 (John	Devaney :	#4133)
West 9	an Kr	al Water Sources within	- 101	Service West
and the same of th	47-041-023 WV 60413			
c o '	U R T	Pine Knob H = 0	U S	RECEIVED Office of Oil and Gas MAY 1 3 2015 E WV Department of orronmental Protection
196k 34 West 2		Market Service (Service) (NAD 27, South Zone N: 717,376.36 E: 2,125,939.53 WGS 84 LAT: 38.969297 LONG: -80.556899 ELEV: 1248.32
LEGHE 14 OUT OUT OUT OUT OUT OUT OUT OUT OUT OUT	SURVEYING AND MAPPING SERVICE ALLEGHENY SUF 1-800-482-860 237 Birch River R Birch River, WV 20 PH: (304) 649-86 FAX: (304) 649-86	RVEYS, INC. 6 00ad 6610		luction Company P.O. Box 280 geport, WV 26330 07/10/2015