WR-35 Rev. 8/23/13



## State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API	<u>47</u> - 99	_ 02272	County Wayne		District Butler		
Quad Prichard Pad Name N/A					_ Field/Pool Name	N/A	
Farm r	name Billy G. S	Stewart			Well Number _N	lusick #6	
Operat Addres	tor (as registered ss 14485 S. C	d with the OOG) calhoun Hwy	Teddy Adkins  City Arr	noldsburg			25234
	Landing Poin Bo	t of Curve N ttom Hole N	orthing N/A orthing orthing	Ea	sting		
Permit	Туре 🗆 De	viated   Ho	rizontal   Horizon	ntal 6A	Depth Type	□ Deep	Shallow
				□ Plug Back □ Red			
Drilled Drillin Produc	l with □ Cable g Media Surfa	Rotary ace hole ■ Air ir □ Mud □	iple Fluids Produ □ Mud □Fresh Wa Fresh Water □ Brin		s □ NGL ■ Oi		
Date p	ermit issued	8/29/2013		menced10/23/201		is coused	
	- 1	ties began	11/3/2013	_ Date completion ac	tivities ceased	11/7/13	
Verbal	plugging (Y/N)	D	ate permission grante	d	Granted by		
Freshw Salt wa	vater depth(s) ft	r	none 70'	open mine(s) (Y/N) Void(s) encountered	depthsRE	CEIVED	
	epth(s) ft			Cavern(s) encountered		no C <b>2 2</b> 2015	ne ————
Is coal	being mined in	area (Y/N)	110		UE		ewed by:

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API 47- 99	- 02272	Farm na	<sub>me</sub> Billy G. S	Stewart	Well number Musick #6				
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)		nent circulate (Y/N) ide details below*	
Conductor									
Surface	10-3/4"	9-5/8"	350'	new	Н	120'		yes	
Coal									
Intermediate 1	9"	7"	1440'	used	К	81'		yes	
Intermediate 2									
Intermediate 3									
Production	6-1/2"	4-1/2"	2315'	new	J	122'		no	
Tubing									
Packer type and de	epth set	L							
Comment Details									
CEMENT	Class/Type	Number	Slurry	y Y	ield V	olume Ce	ement	woc	
DATA Conductor	of Cement	of Sacks			<sup>3</sup> /sks) (	ft <sup>2</sup> ) Top	(MD)	(hrs)	
Surface	Type 1	122		1	.18	su	rface	15	
Intermediate 1								-	
	Type 1	195	<u> </u>	1	.18	su	rface	36	
Intermediate 2									
Intermediate 3									
Production	Type 1	100		1	.28	1	201'	60	
Tubing									
Drillers TD (ft) 2340'  Deepest formation penetrated Berea Sand Plug back to (ft)  Plug back procedure  Kick off depth (ft) none									
Check all wire	Check all wireline logs run    Check all wireline logs run   Check								
Well cored	Yes 🖪 No	Convention	nal Sidev	vall	Were cu	ttings collected	□ Yes □	no No	
DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING  9587-1207									
7*-81'									
4-1/2° - 122°									
WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS Office of Oil and Gas									
WAS WELL C	COMPLETED C	PEN HOLE?	□ Yes 💄 No	DETA	AILS	DEC 22	2015		
WERE TRACE	ERS USED 🛚	Yes ■ No	TYPE OF TR	RACER(S) U	ISED — Fr	WV Depar	tment o	otion	

API 47- 99 \_ 02272 Farm name Billy G. Stewart \_\_\_\_Well number Musick #6

## PERFORATION RECORD

Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
				Berea Sand
	,			
<del></del>				
			<del>                                     </del>	
	Perforation date 11/21/13	Perforation date MD ft.	Perforation date MD ft. MD ft.	Perforation date MD ft. MD ft. Perforations

Please insert additional pages as applicable.

## STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations  Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	12/11/2	14	2783	2841	1624	30,000	218	2178 CSCF
					·			
						F	RECEIVE	D
						Office	of Oil a	nd Gas
							EC 22 2	015

Please insert additional pages as applicable.

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API 47- 99	_ 02272		Farm	<sub>name</sub> Billy G.	Stewart			Well	numbe	r_Musick #6	
PRODUCING	FORMAT	<u>ION(S</u>	<u>5)</u>	DEPTHS							
Berea Sand				2180'	TVD	22	00'	MD			
			<del></del> .								
			<del></del> .								
			<del></del> .								
Please insert ac	ditional pa	ages as	applicable.								
GAS TEST	🗆 Build u	р 🗆	Drawdown	□ Open Flow		OI	L TEST 🗖	Flow	<b>B</b> Pum <sub>l</sub>	p	
SHUT-IN PRE	SSURE	Surfa	ce <u>0</u>	_psi Bott	om Hole_1	640	psi	DURA	TION	OF TEST 24	hrs
OPEN FLOW	Gas show	_ mcfp	Oil 2-1/2	NGL bpd 0	_ bpd					URED BY □ Orifice	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH II NAME T	N FT	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH II MD					) RECORD QUA	NTITYAND L, GAS, H₂S, ETC)
	0			0			1.1201.1	3010 (1112		Attachment	2, 0/10, 1120, 210)
				<u> </u>							
<u> </u>						_					
			<del></del>								<u> </u>
·											
<del></del>					-						
					1					<del></del>	
Please insert ad	ditional na		annliachta								
	-	_	• •							•	
Drilling Contra Address				City	Walton			State	wv	7in	
		-						_ State		Zip	
Logging Compa Address	any Nabor	<u> </u>		City	Buckhann	non		Stata	W//	7:	
				City				_ State		Zip	
Cementing Con Address				City	Paintsville			Canan	ΚY	71	
				Спу				_ State		Zıp	
Stimulating Cor Address	mpany <u>U</u>			City	Paintsville	_		Cana	ΚY	FINCEIV	/ED
Please insert ad				City				_ State		oe of Oll a	
Completed by Signature	Teddy Adl	kins	akin	1		_	Telephone	304-927	-5070	DECOO	-
Signature	easy		anin	Title O	wner		<u> </u>			2/17/2015	
Submittal of Hy	draulic Fr	acturin	g Chemical [	Disclosure Info	rmation	At	tach copy of	FRACE	ocus nviro	V Departr Departr Departal	ment of Protection

Attachment to WR-35	API#:	47-99-02272
	Well Nam	e: Musick #6
	Тор	Bottom
Formations Encountered	Depth	Depth
Clay	0	25
Sand	25	70
Slate	70	85
Red Rock	85	95
Slate	95	185
Sand	189	210
Slate	210	290
Sand	290	304
Slate	304	370
Sand	370	425
Slate	425	550
Sand	550	624
Slate	624	725
Sand	725	800
Slate	800	920
Sand	920	1015
Slate	1015	1065
Sand	1065	1120 Water Sand 1085-1140
Slate	1120	1160
Sand	1160	1200
Slate	1200	1240
Sand	1240	1360
Little Lime	1360	1380
Pencil Cave	1380	1382
Big Lime	1382	1575
Injun Sand	1579	1610
Sand	1610	1715
Shale & Shells	1715	1780
Sand	1780	1795
Slate & Shells	1799	2172
Coffee Shale	2172	2180
Berea Sand	2180	2200
Slate & Shells	2200	2320
		2320 TD

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