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

RECEIVED Office of Oil and Gas

AUG 1 9 2015

API <u>47</u> 033 02	2146 County Harrison	1	District Grant	WV Department of
Quad Mount Clare	Pad Name 12594		Field/Pool Name	Ny ronmental Protection
Farm name Emme A. Pos	t		Well Number 12	594
Onerator (as registered with	the OOG) Dominion Transmi	ssion Inc.		
Address 445 West Main	Street City Clar	ksburg	State WV	Zip 26301
As Drilled location NAD		d plat, profile view, an	d deviation survey	
Landing Point of C			ting N/A	
Bottom F	***		ting N/A	
Elevation (ft) 1276	GL Type of Well	□New ■ Existing	Type of Repo	rt 🗆 Interim 🛮 🗗 Final
Permit Type Deviated	l 🗆 Horizontal 🗆 Horizon	tal 6A 📕 Vertical	Depth Type	□ Deep □ Shallow
Type of Operation 🗆 Conv	ert 🗆 Deepen 🗆 Drill 🗆	Plug Back Redr	illing 🗆 Rework	■ Stimulate
Well Type □ Brine Dispos	al □CBM ■Gas ■Oil □Sec	ondary Recovery 🗆 S	olution Mining	Storage Other
Drilling Media Surface ho Production hole	Rotary le	ter Intermediate	□ NGL ■ Oil hole □ Air □ M	□ Other ud □ Fresh Water □ Brine
Rework and stimulate				
Date permit issued	11/2014 Date drilling commegan 07/14/2015	nenced 07/14/201 Date completion act		g ceased 07/14/2015
Verbal plugging (Y/N)	N/A Date permission grante	06/14/2015	Granted by	Sam Ward
V 52 2 7 7 -	quired to submit a plugging applic	ation within 5 days of	verbal permission to	o plug
Freshwater depth(s) ft	120	Open mine(s) (Y/N)	depths	N
Salt water depth(s) ft	1400	Void(s) encountered	Sirepath Licepath	Gas N
Coal depth(s) ft	N/A	Cavern(s) encountered		N
Is coal being mined in area	(Y/N) N	· ·	AUG 1 9 201	0
	· /	 _		Reviewed Ke

WR-35 Rev. 8/23/13

Rev. 8/23/13									
API 47- 033 02146 Farm name Emme A. Post Well number 12594									
CASING	Hole	Casing	Ne	w or Grade	Bas		Did cement circulate (Y/N)		
STRINGS	Size	Size	Depth U:	sed wt/ft	Dep	th(s) * Pro	vide details below*		
Conductor									
Surface									
Coal									
Intermediate 1					<u></u>				
Intermediate 2									
Intermediate 3									
Production							<u>,, ,, ,, , , , , , , , , , , , , , , ,</u>		
Tubing			1						
Packer type and de	epin sei								
Comment Details	Note: Rework Well No	o Casing							
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³/sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)		
Conductor									
Surface							-		
Coal				ļ					
Intermediate I		Rework Well		ļ					
Intermediate 2							· · · · · · · · · · · · · · · · · · ·		
Intermediate 3							-		
Production									
Tubing	<u> </u>				<u> </u>				
Drillers TD (fl	2620		Lo	ggers TD (ft) 262	20				
•	tion penetrated Ba	ayard		ig back to (ft)					
Plug back pro	cedure into pit								
Kick off depth	(ft)NA								
Check all wire	line logs run	•	•	deviated/directi		ection perature uso	nic		
Well cored	Yes No	Conventional	Sidewall	w	ere cuttings co	ollected Yes	No		
DESCRIBE T	HE CENTRALIZ	ER PLACEMENT	USED FOR EA	ACH CASING S	TRING				
							ED		
WAS WELL	COMPLETED AS	S SHOT HOLE	□ Yes No	DETAILS		REC!	Oil and Gas		
WAS WELL	COMPLETED OF	PEN HOLE? 0			· · · · · · · · · · · · · · · · · · ·	JUA .	,		
WERE TRAC	ERS USED	es No T	YPE OF TRAC	ER(S) USED _		O MAY	enartment of		
	·								

API	47- 033 _ 02146	Farm name_Emme A. Post	_Well number_12594
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	07/13/15	2486	2491	20	Bayard
2	07/14/15	2410	2419	20	5th Sand
			_		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		-			

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	07/14/15		2050	1502	1750	10,300	278	N/A
2	07/14/15	18	1790	3000	1567	21,000	318	N/A
		:				<u> </u>		
	<u> </u>							
-								
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							44,	Deb
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Please insert additional pages as applicable.

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API 47- 033	_ 02146		Farm	_{name} Emme A	. Post_			Well n	umber_	12594	
PRODUCING	FORMATIC)N(S)		<u>DEPTHS</u>							
	· Ottomatate	1401	_								
Bayard				2485	_TVD			MD			
5th Sand				2410							
											
				· · · · · · · · · · · · · · · · · · ·			···				
Please insert ad	lditional pag	es as a	applicable.								
GAS TEST	🗆 Build up	o D	rawdown	Open Flow		OIL	TEST # 1	Flow 🗆	Pump		
SHUT-IN PRE	SSURE S	Surface	e <u>280</u>	_psi Botto	m Hole <u>1</u> 4	410	psi	DURAT	ION OI	F TEST	24 hrs
OPEN FLOW	Gas		Oil	NGL		Wat	ter			RED BY	
	133	mcfpd	0 1	bpd <u>0</u>	bpd	0	bpd	Estimate	ated	■ Orifice	□ Pilot
LITHOLOGY/	TOP		воттом	ТОР	вотто				- 4315 f	reconn o	LLANDTOTA AND
FORMATION	DEPTH IN	-	DEPTH IN FT	DEPTH IN FT	DEPTH IN						UANTITYAND OIL, GAS, H₂S, ETC
	NAME TV 0	<u>, </u>	TVD	MD 0	MD	T	TIPEOFFE			Formation	
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-		:									
Please insert a	dditional pag	es as	applicable.		*						
Drilling Contra	ector N/A										
Address				City				State		Zip	
Logging Comp	pany CJ WIF	RELINE			DIICKH	ANINION		G4-4-	wv	7: 26	3201
Address 82 OL	D ELKINS RO	AD		City	BUCKHA	ANNON		State		Zip <u></u>	201
Cementing Co	mpany										
Address		:		City				State		Zip	
Stimulating Co	DEIKING PO	AD	LINE	City	BUCKH		N	State	wv	Zin 26	3201
Address az OL Please insert a				City							
Completed b	y CHUCK C	ANFIE	LD	Title _			Telephon	e <u>304-677</u>	-8549	7/4/20017	
Signature				Title _					Date 0	//14/2015	
Submittal of F	Ivdraulic Fra	acturin	ng Chemical	Disclosure Info	rmation	A	ttach copy	of FRACI	FOCUS	Registry	