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

API 47 - 051 _ 00608 W County Mar	shall	District Liberty					
Quad Littleton Pad Name		Field/Pool Name Victory B					
Farm pame Mason Dixon Farms, LLC		Well Number 2993					
Operator (as registered with the OOG) Columbia Gas	Transmission, LLC						
	Charleston	State WV					
Top hole Northing		ting					
Landing Point of Curve Northing	Eas	ting					
Bottom Hole Northing	East	ting					
Elevation (ft) 1089 GL Type of W		•	Interim Brinal				
Permit Type Deviated Deviated Horizontal Horizontal	izontal 6A e Vertical	Depth Type 🛛	Deep a Shallow				
Type of Operation Convert Deepen Drill	□ Plug Back □ Redri	illing = Rework =	Stimulate				
Well Type □ Brine Disposal □ CBM □ Gas □ Oil □	Secondary Recovery Secondary Recovery	olution Mining 🖻 Storag	ge 🗆 Other				
Type of Completion Single Multiple Fluids P							
Drilled with Cable Rotary	logiced in bittle 19088	□ NGL □ Oil □ (Other				
Drilling Media Surface hole		bole □ Air □ Mud □	Fresh Water Brine				
Date permit issued6/07/13 Date drilling c	ommenced	Data delli					
Date completion activities began 8/9/13	Data completion octi	Date drilling ceas	30/13				
Verbal plugging (Y/N) Date permission gra	inted	Granted by					
Please note: Operator is required to submit a plugging ap	plication within 5 days of v	erbal permission to plug					
Freshwater depth(s) ft	Open mine(s) (Y/N) d	epths					
Salt water depth(s) ft		Y/N) depths					
Coal depth(s) ft		I (Y/N) depths					
Is coal being mined in area (Y/N)							
	RECE Office of C		Reviewed by:				

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API 47-051	W80800	Farm name	Mason Dixo	n Farms, LLC	Well n	umber_2993	<u> </u>
CASING Hole STRINGS Size Conductor		Casing Size		New or Grade Used wt/ft		nsket] pth(s)	Did cement circulate (Y/N) * Provide details below*
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and de	pth set						
Comment Details		as altered and no addition					
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft. ²)	Cement Top (MD)	WOC
Conductor			(PPB)	(1, 7,0,0)	146-7	TOD (MID)) (hrs)
Surface				<u> </u>			
Coal							
Intermediate 1							
Intermediate 2						-	
Intermediate 3				 			
Production				 			
Tubing							
Drillers TD (ft) Deepest formati Plug back proc				oggers TD (ft) ug back to (ft)			
Kick off depth ((ft)						
Check all wireli	ine logs run	neutron c	resistivity c	– □ deviated/directi □ gamma ray			□sonic
Well cored []	Yes 🗆 No	□ Conventional	Sidewall	W	ere cuttings co	llected 🗆 Y	es 🗆 No
DESCRIBE TH	E CENTRALIZ	ER PLACEMENT	USED FOR E	ACH CASING S	TRING		
WAS WELL CO	OMPLETED AS	SHOT HOLE	□ Yes ■ No	DETAILS		Office	CEIVED of Oil & Gas
WAS WELL CO	OMPLETED OF	EN HOLE?	Yes 🗆 No	DETAILS		UUI	0 1 2013
WERE TRACE	RS USED _ Y	es B No T	YPE OF TRAC	ER(S) USED _	En	WV De vironme	partment of ental Protection

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API	47-	051	-	00608 W	

Farm name____Mason Dixon Farms, LLC

_Well number____

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
 					
				 	
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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	9/25/13	0.1	1400	N/A	N/A	0	0	600 gal acid
<u> </u>								
			*					
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					Office o	FOILSG	as	
-				<u> </u>				
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Please insert additional pages as applicable.

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API 47- 051	_ 00608	M	_ Farm	name Ma	son Di	xon Farms,	LLC	····	Well	numbe	2993		<u> </u>		
PRODUCING	FORMAT	ION(S)		DEPTHS	<u> </u>										
Big injun (stora	ge)					TVD	187	'9 - 2181	MD	1					
			_			_ 14D			MID	,					
			- -				_								
Please insert ad	lditional pa	ges as ap	– plicable.												
GAS TEST	🗆 Build up	Dra	wdown	□ Open	Flow		OIL	TEST ol	Flow 1	n Pump	1				
SHUT-IN PRE	SSURE	Surface		psi	Botto	om Hole		psi	DURA	TION (OF TES	T	h	rs	
OPEN FLOW	Gas	mcfpd	Oil ———	bpd	NGL	_ bpd _	Wa	ter bpd	GAS I				□ Pilot		
THOLOGY/	TOP	F	воттом	TO	,	воттом	4								
ORMATION	DEPTH IN		PTH IN FT			DEPTH IN		DESCRIBE I	ROCK TY	PE AND	RECOR	D QUA	NTITYAN	D	
······································	NAME T	VD T	TVD	·ME	<u> </u>	MD	r	TYPE OF FL							TC
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ddress					City			· ·	_ State		Zip				
imulating Con	_{npany} Un	iversal W	ell Service	98											
ddress Route 5,	, Hall Rd				City	Buckhanne	ก		_ State	w	Zip	26201			
ease insert add	litional pag	ges as app	licable.		-				_						_
ompleted by	Jim Amos							Telephone	304-483	-0073					
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