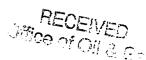
DATE: 3/1/1/ API: 47-097-03678

# State of West Virginia Division of Environmental Protection Section of Oil and Gas



#### Well Operator's Report of Well Work

Form Nome:	I lanton i Silano i a	-	•					J***
Farm Name:	Hartzel Marple		Open	ator vve	∋II NO.		Jones #7	D0909
LOCATION: Elevation: 1490.67'		Quadrangle:				Berlin Dan		
	District: Warren		•		ounty:		Upshur Pontal	
	e: 3590' Fe		39		•		00	
	<del></del>	et W. of		_ Deg		•	00	Sec.
Company: Devonia	n Gas Productio	n,Inc.						
			l 0:-	_ 0 []	11-	!	n	110
Address: PO Box	007		Casir			ed in	l off in M	Cement
			Tub			illing		/eii up Cu.
Jane Le	w, WV 26378		9 5. 7'			30	conduct	
A	laba	Haaldaa			12	263'	1263'	
Agent:		Haskins		<u> </u>			5256'	230 sk
Inspector:		Hatfield					<b> </b>	
Date Permit Issued		09/04/09					<b> </b>	
Date Well Work Co Date Well Work Co	<del></del>	10/29/09 11/17/09					1	<u> </u>
Verbal Plugging:	inpieteu.	11/1//08					<b> </b>	
Date Permission Gr	anted on:		-				<b> </b>	
Rotary X Cable								
	riig	5325'					<b> </b>	
Total Depth (ft): Fresh Water Depth	/ <del>(</del> )·	0020 n/a					<b> </b>	
Flesh Water Depth	(11).	ıı/a						
Salt Water Depth (f	<del>t).</del>	NA	L				Щ	
Can Trate Dopus								
Is coal being mined	in the area (Y/N	)?	N					
Coal Depths (1	• —	<i></i>		-				
		•						
<b>OPEN FLOW DATA</b>	4							
Producii	ng formations	5th S	and	1	Pay z	one dep	th (ft)	2753'
	_	Bradi	ford	_				3899'
		Bens	son	_				4745'
		Ell	k	_				5132'
				_				
				_				
0 1	:4:-1 <b>5</b>		Mcf/d. (	<b>7:1. l</b> m:4:.	al an a	n flow	N/A	Bbl/d
	itial open flow	odor	_ivici/a. ( Mcf/d.		•	en flow	N/A	Bbl/d
	inal open flow	220	•		ai ope	_	Hours	. Bb#a
	open flow betwe	en initial 1650	and fina psig (st		roce	4	_ Hours 48	Hours
Static	rock Pressure	1030	_psig (st	iiiace p	/I C33.	aitei		_110013
NOTE: On back of	this form out the	following	ı: 1) Deta	ails of n	erfora	ated inte	rvals frac	turing or
stimulating, physica								
record of all format	ions, including or	pal encou	intered b	y the w	vellbo	re.		
. Jour of all format				,	_ ,			
Signed:	2/ 1							
By:	town			_				
				_				

03/08/2013

### **HYDRAULIC FRACTURING DETAILS**

STAGE	FORMATION	PERFORATIONS	SAND	
		# of shots	20/40	
1st Stage	Eik	12	30,000	
2nd Stage	Benson	10	30,000	
3rd Stage	Bradford	10	25,000	
4th Stage	5th Sand	12	10,000	
7.1.1 Grago	our our			

#### **DRILLERS LOG**

FORMATION	FROM	ТО			
Fill	0	15			
sand & shale	15	225			
red rock & shale	225	577			
sand & shale	577	1,115			
red rock & shale	1,115	1,296			
Little Lime	1,296	1,430			
red rock	1,430	1,930			
Big Lime	1,930	2,001			
Injun	2,001	2,010			
sand & shale	2,010	2,755			
Fifth Sand	2,755	2,820			
Bayard	2,820	2,867			
sand & shale	2,867	3,963			
Bradford	3,963	3,993			
sand & shale	3,993	4,767			
Benson	4,767	4,867			
sand & shale	4,867	5,187			
Elk	5,187	TD			

## **ELECTRIC LOG**

FORMATION	DEPTH
Big Lime	1,930
Big Injun	2,000
Fifth Sand	2,755
Bayard	2,820
Bradford	3,963
Benson	4,767
Elk	5,187