DATE: API:

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

### Well Operator's Report of Well Work

			State o	f West	Virginia	<b>∄</b>			7
		Div	vision of En	vironme	ntal Pr	otection			17.
			Section	of Oil a	and Ga	S			
								.11.	39.20g
		Wo	ell Operator	s Repo	rt of W	ell Work		00/	.,
									2 12 m
Farm Name:	С	huck Marpi	е	Opera	ator W	eli No. <u>C.</u>	Marple B#	2 D0816	, VE
								90	
LOCATION:		Elevation:	1374'		Quadr	angle:	Berli		e general de la companya de la comp La companya de la companya dela companya de la companya de la companya de la companya dela companya dela companya de la companya dela companya de la companya dela companya
	strict:		rren			ounty:			
Lat	itude: ˌ	9,880	Feet S. of	39	Deg.	05Min.	00	Sec.	
Long	itude: ˌ	5,260	Feet W. of	80	Deg.	15Min.	00	Sec.	
Company: Devo	onian (	3as Produc	tion,Inc.		_				
			i	Casir	na &	Used in	I	Cement fill	1
Address: PO E	30x 90	17		Tub	- 1	Drilling	Left in W	ell up Cu. Ft.	
		WV 26378		9 5		30	conducto		
Jane	LCW,	VV V 20070		7		1164'	1164'	to surface	
Agent:		ما.	hn Haskins			- <del>5033</del> '	5033'	230 sks	
Inspector:			Duckworth						
Date Permit Issu	req.	0.0.9	08/07/08		_	<u> </u>			i
Date Well Work		nenced:	08/25/08						
Date Well Work			09/15/08						į
Verbal Plugging									
Date Permission		ited on:							
Rotary X Cabl		Rig							
Total Depth (ft):			5125'						
Fresh Water De		<u>):</u>	352'						
	1	<del></del>							
Salt Water Dept	th (ft):		none						-
				_					-
Is coal being mi			//N)?	<u>N</u>	_				
Coal Depth	hs (ft):	585'							•
OPEN FLOW D	ATA								
		formations	Spee	chlv		Pay zone der	oth (ft)	3,129	_
.,			Ballto		<del></del>	•		3,353	_
		•	Bradi		_			3,764	_
			Bens	son	_			4,344	_
			El	k				4,889	- -
									-
Gas	e: Initis	al open flow	odor	ਂ Mcf/d	Oil: Ini	tial open flow	N/A	Bbl/d	
Gas		al open flow		Mcf/d.		nal open flow	N/A	Bbl/d	
Time			ween initial				Hours		
		ck Pressure		psig (s	urface	press.) after	48	Hours	
O.C				_, , , , , ,		•			
NOTE: On back	k of thi	is form put	the following	g: 1) De	tails of	perforated into	ervals, frac	turing or	

stimulating, physical change, etc. 2) The well log which is a systematic detailed geological record of all formations, including coal encountered by the wellbore.

Signed:	Flank.				
	By:				
	Date:	1/2/09			
		77 7			

# HYDRAULIC FRACTURING DETAILS

STAGE	FORMATION	PERFORATIONS	SAND
		# of shots	20/40
1st Stage	Elk	11	40,000
2nd Stage	Benson	10	30,000
3rd Stage	Bradford	8	20,000
4th	Balltown	8	20,000
5th	Speechly	10	15,000

## **DRILLERS LOG**

DRILLERS LOG					
FORMATION	FROM	TO			
fill	0	9			
red rock	9	27			
sand & shale	27	40			
red rock	40	240			
sand & shale	240	585			
coal	585	591			
sand & shale	591	1,075			
Little Lime	1,075	1,325			
sand & shale	1,325	1,775			
Big Lime	1,775	1,895			
Injun	1,895	1,970			
sand & shale	1,970	2,513			
Fifth Sand	2,513	2,526			
sand & shale	2,526	2,655			
Bayard	2,655	2,675			
sand & shale	2,675	3,737			
Bradford	3,737	3,762			
sand & shale	3,762	4,583			
Benson	4,583	4,594			
sand & shale	4,594	4,855			
Elk	4,855	4,889			
sand & shale	4,961	TD			
		ļ			

# ELECTRIC LOG

FORMATION	DEPTH
Big Lime	1,725
Fourth Sand	2,490
Fifth Sand	2,540
Bayard	2,600
Bradford	3,730
Riley	4,135
Benson	4,575
Elk	4,975