DATE:	12/1/11
API:	47-033-05380

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

Well Operator's Report of Well Work

Farm Name:	В	radley Lew	<i>r</i> is	Ope	rator Wo	ell No.		Shuman #	3 D	O918
LOCATION:		Elevation:	_1101.94'		Quadra	angle:		Ber	lin	
Г)istrict:	F	-ik		C	ounty:		Ber Harri	son	
La	titude:	8030'	Feet S. of	39	Dea.	07	Min	30	Se	 _
			Feet W. of		Deg.				•	
LON	jilaac.	10000	_1 CC1 77. 01	- 00	Deg	10_	_ IAIII I.		. 06	U .
Company: <u>Dev</u>	onian C	Sas Produc	ction,Inc.		_					
				Casi	ng &	Us	ed in	H	П	Cement fill
Address: PO	Box 90	7		Tub	- 11		illing	Left in W	Jell	up Cu. Ft.
		WV 26378		9 5			30	30'		ир ой. г
Jan	J LCW,	111 20070	·		"		70'	970'		to surface
Agent:		lo	hn Haskins				70	4885'	_	200 sks
Inspector:			Fim Bennett	- 4 1	" —			4000	-1	200 SKS
Date Permit Iss	ued:		02/03/10				-	∄	╣	
Date Well Work	Comp	noncod:	02/20/10					1	╢	
Date Well Worl			03/11/10					 		
Verbal Plugging		ileteu.	03/11/10					-	╝	
Date Permissio		tod on:			┈╬					
Rotary X Cab					┈╢					
		rtig	40501							
Total Depth (ft)			4950'					-		
Fresh Water De	epin (ii)):	100'							
Calt Water Den	4L /4\.							<u> </u>		
Salt Water Dep	un (n).		NA							
Is coal being m	inad in	the erec (//NI\O	N						
_		•	(/N) ?	14	_					
Coal Dept	ns (it).	NA								
OPEN FLOW	1 4T4									
		formations				Do	dos	4h /#\		
FIO	Jucing	formations			_ '	ray zo	one dep	our (IL)	_	
			Bradf	ord	_					3548'
					_					4327'
			Bens Elk							4327 4729'
			EIK	<u> </u>	_					4/29
					_					
0	<u> </u>	l an an flau	400	A A a E / al	Oil. 1-141.	-1	- A	NI/A	DL	114
Gas		l open flow			Oil: Initia	-		N/A	Bbl	
Time		open flow		Mcf/d.		ai ope	n flow	N/A	Bbl	/u
		en now bet k Pressure	ween initial a		_		7	_Hours	u.	
Sti		k Flessule	1600	psig (si	urface p	1688.)	aitei	48	Ho	uis.
NOTE: On hos	-: a 4 ک م ما	. form	ha fallauir -	4) De4	oilo of –	orfo	tod ist	nuolo fren	4, ,-:-	000
NOTE: On back										
stimulating, phy								eranea Aec	JUG	. 0010
record of all for	mation	s, including	j coai encoul	illerea I	by the W	CHDOL	C .		F	3 2 1 2013
Signed: 2	: .h. 1	l	1///						,	
Signed	<u>~10~12</u>	n//	an		_					
Date	e: /:	2/1/11			_			ē.		
بالمانيين	/ 2	-/ ///								

HYDRAULIC FRACTURING DETAILS

STAGE	FORMATION	PERFORATIONS	SAND
		# of shots	20/40
1st Stage	Elk	12	35,000
2nd Stage	Benson	14	40,000
3rd Stage	Bradford	9	25,000
			······································
i			

DRILLERS LOG

DRILLERS LOG					
FORMATION	FROM	ТО			
Fill Fill	0	5			
sand & shale	5	847			
sand & shale	847	1,445			
sand & shale	1,445	1,485			
Big Lime	1,485	1,597			
sand & shale	1,597	2,330			
Fifth Sand	2,330	2,350			
sand & shale	2,350	2,430			
Bayard	2,430	2,436			
sand & shale	2,436	3,545			
Bradford	3,545	3,594			
sand & shale	3,594	4,306			
Benson	4,306	4,332			
sand & shale	4,332	4,729			
Elk	4,729	TD			
	1				
	1				
L	<u>. L</u>				

ELECTRIC LOG

FORMATION	DEPTH
Big Lime	1,485
Fifth Sand	2,330
Bayard	2,430
Bradford	3,545
Benson	4,306
Elk	4,740
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