DATE: 4/14/09 API: 47-033-05160

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

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

Farm Name:	: <u>L</u>	ewis Towe	rs	Opera	ator We	ell No.		Kyle #1 D0	0806
LOCATION:		Elevation:	1356'		Quadra	angle:		Clarksbu	ırg
District: Coal			•	County:			Harrison		
	Latitude:	13,660	Feet S. of	39			Min.		ec.
L	•		Feet W. of	80		17	_	<u>30</u> S	ec.
Company: <u>[</u>	Devonian (	Gas Produc	ction,Inc.		_				
				Casin	g &	Use	ed in		Cement fill
Address: F	PO Box 90	7		Tubi	ng	Dr	illing	Left in We	up Cu. Ft.
J	ane Lew.	WV 26378		9 5/	8	30'			Pulled
					7" 1000'		000'	1000'	Surface
Agent:		Jo	hn Haskins	4 1/	2"	-4	242	4912'	160 sacs
Inspector:			Tim Bennett					Control of the Control	
Date Permit	Issued:	-	09/29/08				I h dan da	Charles of Land Lore	
Date Well W		nenced:	10/20/08			O	nce o	Ollac	AS .
Date Well W			11/06/08						
Verbal Plugg							AUG	0 2 2012	
Date Permis	sion Gran	ted on:							
Rotary X		Rig				4.4	B 1 170 24	ariensa.	- of
Total Depth			5001'			. 5		and and other	
Fresh Water		):	NA			::TYE	Willia.	Tages of the	· Pulluit
	(:-	<i>-</i>							
Salt Water D	Depth (ft):		NA						
Is coal being Coal D	g mined in epths (ft):		Y/N)?	N	<del>-</del>			****	
ODEN ELO	A/ DATA								
OPEN FLO		formations.	Snoo	obly		Day 7	one dept	th (ft)	3170'
ŀ	roducing	formations	Spee Spee		<del>-</del>	ray Z	one depi	(11)	3459'
			Rile		_				4637'
			Bens		_			_	4825'
			Delis	SOII	_				4020
				· · · · · · · · · · · · · · · · · · ·	_			_	
			****		-				
	Gas: Initia	l open flow	/ 14	Mcf/d. 0	Dil- Initi	al ope	en flow	N/A B	bl/d
		l open flow		Mcf/d.		-	en flow		bi/d
٦			tween initial	-			7	Hours	
•	•	k Pressure		psig (su		oress.	) after	-	lours
stimulating,	physical c	hange, etc	the following  2. 2) The we	II log whi	ich is a	syste	matic de	rvals, fractu etailed geolo	ring or ogical

08/17/2012

## **HYDRAULIC FRACTURING DETAILS**

1st Stage         Benson         14         3           2nd Stage         Riley         12         2	STAGE	FORMATION	PERFORATIONS	SAND	
2nd Stage Riley 12 2			# of shots	20/40	
	1st Stage	Benson	14	35,000	
3rd Stage Speechly 12 2	2nd Stage	Riley	12	20,000	
	3rd Stage	Speechly	12	25,000	
4th Speechly 10 2	4th	Speechly	10	25,000	

#### **DRILLERS LOG**

DRILLERS LOG						
FORMATION	FROM	ТО				
Fill	0	5				
SD & SH	5	47				
SD & SH	47	290				
SD & SH	290	1,050				
SD & SH	1,050	1,768				
Big Lime	1,768	1,913				
SD & SH	1,913	2,648				
4th Sand	2,648	2,668				
SD & SH	2,668	2,770				
5th Sand	2,770	2,785				
SD & SH	2,785	4,055				
Bradford	4,055	4,065				
SD & SH	4,065	4,798				
Benson	4,798	4,808				
SD & SH	4,808	TD				
		,				

## **ELECTRIC LOG**

DEPTH
1775'
2650'
2775'
4055'
4810'