DATE:	3/18/09		
API:	47-9101101		

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

### Well Operator's Report of Well Work

Farm Name: C	harles Drenn	an	Oper	ator W	eli No.	<u> </u>	rennan #1	1 DO808
LOCATION:	Elevation:	1617'		Quadr	angle:		Thorn	ton
LOCATION: Elevation: 1617' District: Knottsville		•		ounty:		Tayl		
	12,580		39			Min.		Sec.
	7,060				•	Min.		Sec.
Longitude		reel vv. oi		_ Deg.	37	_ IVIII I.	30	<b>35</b> 0.
Company: <u>Devonian</u>	Gas Produc	tion,Inc.		_				
			Casi	- 11		ed in		Cement fill
Address: PO Box 9	07		Tub	ing	Dı	rilling	Left in W	ell up Cu. Ft.
Jane Lew	, WV 26378		9 5			30'	30'	
			7	"	C)	960'	960'	Surface
Agent:	Jol	nn Haskins	4 1.	/2"	4	<del>348</del> '	5313'	200 sacs
Inspector:	Craig	Duckworth						
Date Permit Issued:		05/05/08						
Date Well Work Com	menced:	05/16/08				Base Car	ENED	
Date Well Work Com	pleted:	05/28/08	<u></u>			2 . San Cay	012	38S
Verbal Plugging:				j			VA. N. S. V.	
<b>Date Permission Gra</b>	nted on:						2 2012	
Rotary X Cable	Rig					AUG	12 2016	
Total Depth (ft):		5406'						2
Fresh Water Depth (	ft):	138'			. j. j.	. 25, 3 ( <sup>54</sup> ) . 5	es tino	Ti OI
				i	3.5		and the same of	018011011
Salt Water Depth (ft)	<u>:</u>	NA			100	a di		
Is coal being mined i Coal Depths (ft)		/N)?	N				<u></u>	
OPEN FLOW DATA	g formations	Snee	chly		Day 7	one dept	h (ft)	2646'
1 TOGGOIN	, ioimations	Ballto		_	, u, z	one depi	()	3434'
	•	Rile		_			•	4153'
	•	Rile					•	4276'
		Bens		_			•	4581'
	•	Ell					•	5200'
Fin Time to o	al open flow al open flow pen flow beto ck Pressure	33 400 ween initial 1350	Mcf/d. ( Mcf/d. and fina psig (si	Fin  al tests	nal ope	en flow	N/A Hours	Bbl/d Bbl/d Hours
NOTE: On back of the stimulating, physical record of all formation	nis form put tl change, etc.	ne following 2) The wel	: 1) Det Il log wh	ails of pich is a	perfora syste	ated inte	vals, frac	turing or
Signed: By:	Andel			_				

08/17/2012

### **HYDRAULIC FRACTURING DETAILS**

STAGE	FORMATION	PERFORATIONS	SAND
		# of shots	20/40
1st Stage	Elk	14	30,000
2nd Stage	Benson	12	35,000
3rd Stage	Riley	12	20,000
4th	Riley	12	15,000
5th	Balltown	14	30,000
6th	Speechly	12	25,000

#### DRILLERS LOG

DRILLERS LOG					
FORMATION	FROM	TO			
Fill	0	25			
SD & SH	25	351			
Shale	351	630			
SD & SH	630	1,484			
Big Lime	1,484	1,637			
Injun	1,637	1,677			
SD & SH	1,677	3,455			
Balltown	3,455	3,475			
SD & SH	3,475	4,245			
Riley	4,245	4,260			
SD & SH	4,260	4,584			
Benson	4,584	4,591			
SD & SH	4,591	5,210			
Elk	5,210	5,220			
,					

## **ELECTRIC LOG**

FORMATION	DEPTH
Big Lime	1480'
Balltown	3465'
Riley	4270'
Benson	4590'
Elk	5215'
	·