DATE:	2/15/10
API:	47-038-05310

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

# Well Operator's Report of Well Work

Farm Name: Bradley Lewis	Operator W	ell No. S	Shuman #2 D	00908
LOCATION: Elevation: 1254'	Quadi	rangle:	Porlin	
District: Elk		county:	Harrison	<del></del>
Latitude: 8060' Feet S. of		. 07 <b>M</b> in.	30 Se	
Longitude: 9450' Feet W. of			00 Se	
Longitude. 3430 1 eet vv. Of	oubeg.	15 WIII.	Se	<b>9C</b> .
Company: Devonian Gas Production,Inc.	· · · · · · · · · · · · · · · · · · ·			
	Casing &	Used in	]	Cement fill
Address: PO Box 907	Tubing		Left in Well	
Jane Lew, WV 26378	9 5/8	30	30'	
	7"	1141'	1141'	to surface
Agent: John Haskins	4 1/2"		5044'	215 sks
Inspector: TimBennett				
Date Permit Issued: 08/25/09				
Date Well Work Commenced: 11/10/09				<del></del>
Date Well Work Completed: 12/01/09			DECEN	200
Verbal Plugging:		CALL	THE STATE OF THE PARTY OF THE	2. Cas
Date Permission Granted on:		CIII		
Rotary X Cable Rig			4110 0 3 0	210
Total Depth (ft): 5120'			AUG 0 2	UIZ
Fresh Water Depth (ft): 35'				
		WA	'Deosar	nent of
Salt Water Depth (ft): NA			element at	Sections
		Paul e C s R R.	5 5 4 - Sp 1 / 4 3/14	
` <u></u>	N	Profes Can	7 5 1 V - 45 1 V V 2-12	
Is coal being mined in the area (Y/N)?  Coal Depths (ft): NA	N	Prest & C 38 man	5 5 1 V - 49 1 V V 3 1 5	
Coal Depths (ft): NA	N	No. F t C 28 Pa	7.5. 7.30.1.7.3	
Coal Depths (ft): NA  OPEN FLOW DATA		Bruff e C 5 B Pu	121, 112, 112, 112, 112, 112, 112, 112,	
Coal Depths (ft): NA		Pay zone dept	121, 112, 112, 112, 112, 112, 112, 112,	
Coal Depths (ft): NA  OPEN FLOW DATA  Producing formations		Pay zone dept	121, 112, 112, 112, 112, 112, 112, 112,	
Coal Depths (ft): NA  OPEN FLOW DATA  Producing formations  Bradf	ord	Pay zone dept	121, 112, 112, 112, 112, 112, 112, 112,	3702'
Coal Depths (ft): NA  OPEN FLOW DATA  Producing formations  Bradf Bens	ord	Pay zone dept	121, 112, 112, 112, 112, 112, 112, 112,	3702' 4509'
Coal Depths (ft): NA  OPEN FLOW DATA  Producing formations  Bradf	ord	Pay zone dept	121, 112, 112, 112, 112, 112, 112, 112,	3702'
Coal Depths (ft): NA  OPEN FLOW DATA  Producing formations  Bradf Bens	ord	Pay zone dept	121, 112, 112, 112, 112, 112, 112, 112,	3702' 4509'
Coal Depths (ft): NA  OPEN FLOW DATA  Producing formations  Bradf Bens Elk	ord on (		h (ft)	3702' 4509' 4902'
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow 160	ord on C Mcf/d. Oil: Initi	ial open flow	h (ft)	3702' 4509' 4902'
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow Final open flow 250	ord on ( Mcf/d. Oil: Initi	ial open flow ial open flow	h (ft)	3702' 4509' 4902'
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elle  Gas: Initial open flow 160 Final open flow 250 Time to open flow between initial at	ord con  Mcf/d. Oil: Initi Mcf/d. Fin and final tests:	ial open flow al open flow 7	h (ft)  N/A Bb N/A Bb Hours	3702' 4509' 4902'
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow Final open flow 250	ord on ( Mcf/d. Oil: Initi	ial open flow al open flow 7	h (ft)  N/A Bb N/A Bb Hours	3702' 4509' 4902'
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow Final open flow Final open flow 250 Time to open flow between initial a Static rock Pressure 1650	Mcf/d. Oil: Initi Mcf/d. Fin and final tests: psig (surface p	ial open flow nal open flow 7 oress.) after	N/A Bb N/A Bb Hours 48 Ho	3702' 4509' 4902'
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow 160 Final open flow 250 Time to open flow between initial a Static rock Pressure 1650  NOTE: On back of this form put the following	Mcf/d. Oil: Initi Mcf/d. Fin and final tests: psig (surface r	ial open flow ial open flow 7 oress.) after perforated inter	h (ft)  N/A Bb N/A Bb Hours 48 Ho	3702' 4509' 4902' I/d I/d ours
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow 160 Final open flow 250 Time to open flow between initial a Static rock Pressure 1650  NOTE: On back of this form put the following stimulating, physical change, etc. 2) The wel	Mcf/d. Oil: Initi Mcf/d. Fin and final tests: psig (surface p	ial open flow lal open flow 7 oress.) after perforated intersystematic definite perforated intersystematic definiters.	h (ft)  N/A Bb N/A Bb Hours 48 Ho	3702' 4509' 4902' I/d I/d ours
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow 160 Final open flow 250 Time to open flow between initial a Static rock Pressure 1650  NOTE: On back of this form put the following	Mcf/d. Oil: Initi Mcf/d. Fin and final tests: psig (surface p	ial open flow lal open flow 7 oress.) after perforated intersystematic definite perforated intersystematic definiters.	h (ft)  N/A Bb N/A Bb Hours 48 Ho	3702' 4509' 4902' I/d I/d ours
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elk  Gas: Initial open flow 160 Final open flow 250 Time to open flow between initial a Static rock Pressure 1650  NOTE: On back of this form put the following stimulating, physical change, etc. 2) The wel	Mcf/d. Oil: Initi Mcf/d. Fin and final tests: psig (surface p	ial open flow lal open flow 7 oress.) after perforated intersystematic definite perforated intersystematic definiters.	h (ft)  N/A Bb N/A Bb Hours 48 Ho	3702' 4509' 4902' I/d I/d ours
Coal Depths (ft): NA  OPEN FLOW DATA Producing formations  Bradf Bens Elle  Gas: Initial open flow 160 Final open flow 250 Time to open flow between initial a Static rock Pressure 1650  NOTE: On back of this form put the following stimulating, physical change, etc. 2) The wel record of all formations, including coal encou	Mcf/d. Oil: Initi Mcf/d. Fin and final tests: psig (surface p	ial open flow lal open flow 7 oress.) after perforated intersystematic definite perforated intersystematic definiters.	h (ft)  N/A Bb N/A Bb Hours 48 Ho	3702' 4509' 4902' I/d I/d ours

### **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	10	20,000

#### **DRILLERS LOG**

	LEKS LUG	·····
FORMATION	FROM	ТО
Fill	0	10
sand & shale	10	32
sand & shale	32	1,310
sand & shale	1,310	1,640
Big Lime	1,640	1,750
sand & shale	1,750	2,496
Fifth Sand	2,496	2,582
Bayard	2,582	3,696
Bradford	3,696	4,519
Benson	4,519	4,934
Elk	4,934	4,951
sand & shale	4,951	TD
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# **ELECTRIC LOG**

FORMATION	DEPTH
Big Lime	1,750
Fifth Sand	2,496
Bayard	2,582
Bradford	3,695
Benson	4,515
Elk	4,934
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