DATE:	3/15/11	
API:	47-097-03709	_

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

Well Operator's Report of Well Work

vveii Op	erators Report or	AAGII AAOIK	ia.	e and	
Farm Name: Cornwell	Operator W	Operator Well No.		V/√ Bláke #5, Ω0917	
LOCATION: Elevation: 1,703		rangle:	Berlin	1 -100	
District: Warren		County:	Upshu	IL .	
Latitude: 9720' Feet S.	of <u>39</u> Deg	. <u>07</u> Min.	30Sec) .	
Longitude: 7550' Feet W	. of <u>80</u> Deg	. 15 Min.	00Sec) .	
Company: Devonian Gas Production,Inc.	<u>/</u>			·	
	Casing &	Used in	1 1	Cement fill	
Address: PO Box 907	Tubing	Drilling	Left in Well	up Cu. Ft.	
Jane Lew, WV 26378	9 5/8	30'	30'		
	7"	1022'	1022'	to surface	
Agent: John Hask	cins 4 1/2"		5521'	225 sks	
Inspector: Bill Hatfi					
Date Permit Issued: 01/15	i/10				
Date Well Work Commenced: 02/02	/10			·	
Date Well Work Completed: 02/24	/10				
Verbal Plugging:					
Date Permission Granted on:					
Rotary X Cable Rig		<u> </u>	_		
Total Depth (ft): 55	580'				
Fresh Water Depth (ft):	548'	<u> </u>			
		<u>ji</u>			
Salt Water Depth (ft):	n/a		<u></u> .		
Is coal being mined in the area (Y/N)?	N .				
Coal Depths (ft):	n/a				
OPEN FLOW DATA		Day sana da	nth (A)		
Producing formations	and ford	Pay zone de	pui (ii)	4153'	
	sradford			4997'	
t	<u>Benson</u>			5389'	
·	Elk			3309	
					
O I - Wal amon flow 465	Backet Oil: Ini	itial open flow	N/A Bb	Vd	
Gas: Initial open flow 165		inal open flow			
Final open flow 275			Hours	w	
Time to open flow between in		nress \ after		urs	
Static rock Pressure157	bsig (surface	piess.) aitei		al S	
NOTE: On back of this form put the followatimulating, physical change, etc. 2) The record of all formations, including coal er Signed:	e well log which is	a systematic of	tervals, fracturi detailed geolog	ng or gical	
By:					
Date: 2/15/11					

03/08/2013

HYDRAULIC FRACTURING DETAILS

STAGE	FORMATION	PERFORATIONS	SAND
_		# of shots	20/40
1st Stage	Elk	12	35,000
2nd Stage	Benson	12	40,000
3rd Stage	Bradford	10	30,000
	· · · · · · · · · · · · · · · · · · ·		

DRILLERS LOG

DRILLERS LOG					
FORMATION	FROM	ТО			
sand & shale	0	245			
open mine	245	252			
sand & shale	252	310			
shale & red rock	310	360			
sand	360	1,159			
sand & shale	1,159	1,472			
sand	1,472	1,650			
sand & shale	1,650	1,761			
red rock	1,761	1,809			
sand & shale	1,809	2,112			
Big Lime	2,112	2,170			
sand & shale	2,170	3,030			
Bayard	3,030	3,045			
Bradford	4,130	4,202			
Benson	4,202	5,004			
Elk	5,004	TD			

ELECTRIC LOG

FORMATION	DEPTH
Big Lime	2,112
Bayard	3,030
Bradford	4,130
Benson	4,979
Elk	5,389