State of West Virginia

Department of Environmental Protection

Office of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Operator Well No.:		Flinner, David Copenhaver #1			Date:	10/18/2012 47-3906338			
					API #:				
LOCATIO)N								
Elevation:	Elevation: 920		Quadrangle:	Quadrangle:		Big Chimney			
District:	District: Elk		County:	County:		Kanawha			
Latitude: 38.4532008		8	NAD 83						
Longitude:	81.548680		NAD 83						
WELL IN	FORMATIO	N			100		18.46		
Company:	Reserve O	il and Gas, Inc.	Casing &	Used in	Left in	Cemen	t Fill up		
		eston Road	Tubing:	Drilling:	Well:	Cu.	Ft.		
		VV 25276	13 3/8"	21.20	21.20	C	ts		
Agent:	J. Scott Freshwater		9 5/8"	294.85	294.85	cts			
Inspector:	tor: Terry Urban		7"	1859.90	1859.90	c	ts		
Date Permit Issued:		4/27/2012	4 1/2"	4630.35	4630.35	175 sks			
Date Work Commenced:		5/20/2012							
Date Work Completed:		6/13/2012							
Verbal Plug	ging:					,			
Date Permis	sion Granted:								
Rotary Rig:		CSi Rig #10							
Cable Rig:									
Total Vertical Depth (FT):		4674	Total Measured Depth (FT): 4674						
Fresh Water Depth (FT):		66							
Salt Water Depth (FT):		1080							
Is coal being	g mined in area	(N/Y): No	Ta -						
Coal Depths (FT):		N/A	Void	(s) Encounter	ed (N/Y) / Depth(s):	: N/A			
OPEN FL	OW DATA			li P			Maria Maria		
Producing Formation:		Devonian Shale	Pay Zone Depth (FT):		3120	to	4604		
Gas			Oil			-			
Initial Open Flow:		21	Initial Open Flow:		N/A				
Final Open Flow:		258	Final Open Flow:		N/A				
Time of open	n flow between	initial and final tests:	<u> </u>		576	Hours.			
Static Rock Pressure: 502 PSIG (Surface			rface Pressure) after	ce Pressure) after:		24 Hours.			
2nd Producing Formation:			Pay Zone Depth (FT):			to			
Gas			Oil			-			
Initial Open Flow:			Initial Open Flow:						
Final Open Flow:		Final Open Flow:							
Time of open	n flow between	initial and final tests:				Hours.	· 3		
Static Rock Pressure:		PSIG (Surface Pressure) after:		r:	Hours.		ω		
Signed:		Just D. Kulin	attento		10/18/2012		x		
By: J. Scott Freshwater		er			e:				
I certify under p	enalty of law that I	have personally examined and ar	n familiar with the infor	mation submitted	on this document and al	l the attachments			
and that, based	on my inquiry of th	ose individuals immediately resp	onsible for obtaining the	information I be	elieve that the information	n is true, accurate.			

and complete.

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Well Operator's Report of Well Work

Continued

Formation: From		То		Water:			
Sub	0	7		Depth:	Amount:	Type:	
Rock	7	60		66	damp	fresh water	
Sand/Shale	60	930		180	1/2" stream	fresh water	
Salt Sand	930	1510		1080	soap on hole	salt water	
Maxton	1510	1534			·		
Little Lime	1534	1585					
Big Lime	1585	1747]				
Injun	1747	1776					
Sand/Shale 1776		2050	Gas Checks:		necks:		
Shale	2050	2150		Depth:		Remarks:	
Coffee Shale 2150		2160		2370 smell gas			-
Shale	2160	4674					
							-
		. 4					
,					<u> </u>	· · · · · · · · · · · · · · · · · · ·	
			Oil Shows:				
						Remarks:	
·			1				
FRACTURING	1.766		The second	A. Say .	and and and	idii ika ja	art die
Perforations:		Stimulation:					
Stage 1:							
Number of Perforations:		40 Remarks:		Totals			
Depth From (FT):		3968	2,002,900 scf N2				
• •		4604	1500 gallons 7 1/2% HCL Acid				
• , ,	•						
	3 gallons I-7L - Iron control Additive						
Stage 2:			2 gallons Cla Chek LP - Permanent Clay Stabilizer				
Number of Perforations:		40	1 1/2 gallons Unihib-G				
Depth From (FT): 3120			1 3 3/4" #5 Frac Ball				
Depth To (FT): 3912			102 1.1 S.G. 7/8" RCN Ball Sealers				$\ddot{\omega}$
							6338
Were Core Samples Taken (N	/Y):	No					
- · · · · · · · · · · · · · · · · · · ·	No						
Were Cuttings Caught During Drilling (N/Y): Were Geophysical Logs Recorded on This Well (N/Y): Electrical (N/Y): Yes Mechanical (N/Y): Yes			No Yes				