

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Carmalee Mooney

Operator Well No.: 1

LOCATION: Elevation: 1018'

Quadrangle: Big Chimney - 7.5'

District: Elk

County: Kanawha

Latitude: 6540' Feet West of 81 Deg. 30 Min. 0.0 Sec.

Longitude 13480' Feet South of 38 Deg. 30 Min. 0.0 Sec.

Company: Schultz Run Gas Company

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 300 Capitol Street, Suite 1500 Charleston, WV 25301	13 3/8"	40'	1 Joint	To surface
Agent: Pete Pauley				
Inspector: Terry Urban	9 5/8"	550'	550'	To Surface
Date Permit Issued: July 21, 2011				
Date Well Work Commenced: 8/18/11	7"	2040'	2040'	To Surface
Date Well Work Completed: 8/28/11				
Verbal Plugging:	4 1/2"	4559'	4559'	110 sks
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 4559'				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): 1460'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.):				

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Office of Oil & Gas
JAN 23 2012

OPEN FLOW DATA

Producing formation: Huron Shale Pay zone depth (ft) 4014'-4101' - 24 holes
 Gas: Initial open flow: 110 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 125 MCF/d (Comingled) Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 720#'s psig (surface pressure) after 24 Hours

Second producing formation: Lower Huron Pay zone depth (ft) 4362'-4502'
 Gas: Initial open flow 110 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 125 MCF/d (Comingled) Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 720 #'s psig (surface pressure) after 24 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Pete Pauley
 By: Pete Pauley
 Date: 1/17/12

WV Department of Environmental Protection

Mooney #1 47-039-06300							
Schultz Run Gas Company							
FORMATION	COLOR	TOP	BOTTOM	THICKNESS	OIL - GAS OR WATER	DEPTH	REMARKS
Sand & Shale		0	397	397			
Sand		397	628	231			
Sand & Shale		628	710	82			
Sand		710	801	91			
Sand & Shale		801	877	76			
Sand		877	937	60			
Sand & Shale		937	1003	66			
Salt Sand		1003	1135	132			
Shale		1135	1202	67			
Salt Sand		1202	1400	198			
Shale		1400	1410	10			
Maxton Sandstone		1410	1680	270	Water		
Little Lime		1680	1715	35			
Pencil Cave		1715	1732	17			
Big Lime		1732	1889	157			
Keener Sandstone		1889	1911	22			
Shale		1911	1920	9			
Injun Sandtone (Shaley)		1920	1945	25			
Weir Shells		1945	2290	345	7" set @ 2040'		
Sunbury Shale		2290	2316	26			
Berea Shells		2316	2404	88			
Gray Shale		2404	3517	1113			
Upper Huron		3517	3933	416			
Lower Huron		3933	4356	423			
Shale		4356	4578	222	.110 Nat		
Total Depth			4578				
Perfs	Stage 1	4502-4498	4 holes	Frac w/ 1,199,308 SCF N2; 70,000#'s 24/40 Sand			
		4466-4460	6 holes	Spot w/ Acid - 85 Quality Foam Frac			
		4394-4388	6 holes	Treating Pressure= 2042 #'s, Breakdown 3200#'s			
		4370-4362	8 holes				
		Plug set @ 4200'					
	Stage 2	4101-4099	4 holes	Frac w/ 819,283 SCF N2; 59,800#'s 24/40 Sand			
		4080-4070	8 holes	Spot w/ Acid - 85 Quality Foam Frac			
		4058-4048	10 holes	Treating Pressure= 1995 #'s, Breakdown 1805#'s			
		4018-4014	4 holes				