

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

Farm Name: CARO, GENE & VANESSA Operator Well No. 32911

LOCATION: Elevation: 1081' Quadrangle: Vadis 7.5'

District: Freemans Creek

County: Lewis

Latitude: 15,075 Feet South of: 39 Deg. 05 Min. 00 Sec.  
Longitude: 6,465 Feet West of: 80 Deg. 37 Min. 30 Sec.

Company: Dominion Exploration & Production, Inc.

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248 Jane Lew, WV 26378				
Agent: Rick Elswick				
Inspector: Tim Bennett				
Date Permit Issued: 03/18/2010				
Date Well Work Commenced: 05/27/2010	9 5/8"	31'	31'	Sand In
Date Well Work Completed: 06/16/2010				
Verbal Plugging:	7"	1055'	1055'	160 sks
Date Permission granted on:				
Rotary X Cable Rig	4 1/2"	3660'	3660'	230 sks
Total Depth (feet): 3,750'				
Fresh Water Depth (ft.): 205'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): N/A				
Oil Depths (ft.): N/A				

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Office of Oil & Gas

JUN 27 2011

**OPEN FLOW DATA**

Producing formation		WV Department of Environmental Protection	2266'-2277'
GORDON			2562'-2570'
BAYARD			2860'-2904'
WARREN			
Producing formation <b>BALLTOWN</b>		Pay zone depth (ft)	<b>3352'-3359'</b>
Gas: Initial open flow	odor	MCF/d	Oil: Initial open flow 0 Bbl/d
Final open flow	650	MCF/d	Final open flow 0 Bbl/d
Time of open flow between initial and final tests			12 Hours
Static Rock Pressure	100	psig (surface pressure) after	12 Hours

Second Producing formation	KEENER	1604'-1632'
	30'	Pay zone depth (ft) 2165'-2174'
Gas: Initial open flow	*	MCF/d
Oil: Initial open flow	*	Bbl/d
Final open flow	*	MCF/d
Final open flow	*	Bbl/d
Time of open flow between initial and final tests		* Hours
Static rock Pressure	*	psig (surface pressure) after * Hours

**\* COMMINGLED WITH PREVIOUS FORMATIONS**

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: Rick Elswick

By: Rick Elswick

Date: 8-27-10

6/16/2010 SUPERIOR RAN BOND LOG. TD - 3649'. TOC - 860'. SUPERIOR PERFERED AND FRACED AS FOLLOWS:

BALLTOWN, 3352'-3359', 15 HOLES, BD 2393#, AVG RATE 28 BPM, AVG PRESS 2340#, 163 BBLs, TOT SAND 35,000#, 320 MSCFN2, ISIP 1800#, FG .96 PSI/FT  
 WARREN, 2860'-2904', 22 HOLES, BD 2047#, AVG RATE 28 BPM, AVG PRESS 2098#, 178 BBLs, TOT SAND 34,500#, 240 MSCFN2, ISIP 700#, FG .67 PSI/FT  
 BAYARD, 2562'-2570', 17 HOLES, BD 1410#, AVG RATE 26 BPM, AVG PRESS 1828#, 236 BBLs, TOT SAND 50,000#, 260 MSCFN2, ISIP 1000#, FG .82 PSI/FT  
 GORDON, 2266'-2277', 23 HOLES, BD 1467#, AVG RATE 26 BPM, AVG PRESS 2458#, 187 BBLs, TOT SAND 40,000#, 285 MSCFN2, ISIP 1600#, FG 1.13 PSI/FT  
 30', 2165'-2174', 19 HOLES, BD 2836#, AVG RATE 26 BPM, AVG PRESS 2228#, 198 BBLs, TOT SAND 40,500#, 267 MSCFN2, ISIP 1330#, FG 1.04 PSI/FT  
 KEENER, 1604'-1632', 26 HOLES, BD 980#, AVG RATE 26 BPM, AVG PRESS 2140#, 226 BBLs, TOT SAND 52,000#, 318 MSCFN2, ISIP 1290#, FG 1.22 PSI/FT  
 E.C. CLEANED UP AFTER FRAC. 5 OF 5 BALLS RETURNED. 450# ON 1/2" CHOKE.

Fill	0	5	Shale	5	10
Sandstone	10	35	Shale	35	45
Sandstone	45	95	Shale	95	155
Sandstone	155	210	Sand/Shale	210	360
Shale	360	400	Sand	400	410
Sand/Shale	410	480	Sand	480	500
Shale	500	615	Sand	615	675
Sand&Shale	675	740	Sand	740	815
Sand/Shale	815	890	Shale	890	935
Sand	935	1115	Shale&Sand	1115	

GAMMA RAY / FORMATION			
#32911	TOPS	47-041-05613	
	TOP	BASE	
SALT SAND	1160	1212	
UPPER MAXTON	1244	1303	
LOWER MAXTON	1382	1408	
LITTLE LIME	1492	1515	
BIG LIME	1537	1592	
BIG INJUN	1694	1695	
GORDON SAND	2266	2276	
5TH SAND	2470	2474	
BAYARD	2512	2520	
SPEECHLEY	3011	3052	
BALLTOWN	3567	3578	
LTD	3796		