



State of West Virginia  
Department of Environmental Protection  
Well Operator's Report of Well Work

*M 13*

Farm name: Stephenson, Betty L. Operator Well No.: 6790

LOCATION: Elevation: 885' Quadrangle: Smithburg 7.5'

District: West Union County: Doddridge  
Latitude: 11875 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 6975 Feet West of 80 Deg. 42 Min. 30 Sec.

**Company:** Dominion Exploration & Production, Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P O Box 1248</u>				
<u>Jane Lew, WV 26378</u>				
<u>Agent: Rodney J. Biggs</u>				
<u>Inspector: Tim Bennett</u>				
<u>Date Permit Issued: 08/16/2004</u>				
<u>Date Well Work Commenced: 12/08/2004</u>	<u>13 3/8"</u>	<u>28'</u>	<u>28'</u>	<u>Sand In</u>
<u>Date Well Work Completed: 12/22/2004</u>	<u>9 5/8"</u>	<u>231'</u>	<u>231'</u>	<u>65 sks</u>
<u>Verbal Plugging N/A</u>				
<u>Date Permission granted on: N/A</u>				
<u>Rotary X Cable Rig</u>	<u>7"</u>	<u>1156'</u>	<u>1156'</u>	<u>170 sks</u>
<u>Total Depth (feet): 5248'</u>				
<u>Fresh Water Depth (ft.): 198'</u>	<u>4 1/2"</u>	<u>5192'</u>	<u>5192'</u>	<u>275 sks</u>
<u>Salt Water Depth (ft.): N/A</u>				
<u>Is coal being mined in area (N/Y)? N</u>				
<u>Coal Depths (ft.): N/A</u>				

**OPEN FLOW DATA**

Alexander 5024-5062'  
Gordon 2395-2429'

Producing formation Lower Injun Pay zone depth (ft) 1788-1818'  
Gas: Initial open flow 60 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 273 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 12 Hours  
Static rock Pressure 45 psig (surface pressure) after 12 Hours  
Upper Injun 1723-1743'  
Second producing formation Lower Maxton Pay zone depth (ft) 1516-1526'  
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  
\*Commingle wit 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: Rodney J. Biggs  
By: Rodney J. Biggs  
Date: 5/20/05

*M*

**MAY 27 2005**

*Dood 4849*

**WELL 6790**

**PERFED AND FRACED AS FOLLOWS:**

- ALEXANDER, 5024' - 5062', 24 HOLES, BD 2130', AVE RATE 21 BPM, AVE PRESS 1846#, 528 BBLs, TOT SAND 37,500#, ISIP 1630#
- GORDON, 2395' - 2429', 24 HOLES, BD 2075', AVE RATE 18 BPM, AVE PRESS 2444#, 396 BBLs, TOT SAND 15,000#, ISIP 2070#
- LOWER INJUN, 1788'-1818', 25 HOLES, BD 2565', AVE RATE 19 BPM, AVE PRESS 2096#, 327 BBLs, TOT SAND 23,000#, ISIP 1960#
- UPPER INJUN, 1723'-1743', 20 HOLES, BD 1150', AVE RATE 18 BPM, AVE PRESS 2280#, 333 BBLs, TOT SAND 25,000#, ISIP 2100#
- LOWER MAXTON, 1516'-1526', 21 HOLES.

**WORKING ON PIPELINE**

Fill	0	8
Sand	8	17
Rock	17	26
Sand & Shale	26	72
RR	72	78
Sand & Shale	78	200
RR	200	204
Sand & Shale	204	260
Sand & Shale	260	840
Whit Sand & Shale	840	1110
RR	1110	1116
Sand & Shale	1116	1220
Shale	1220	

**GAMMA  
RAY /  
FORMATION  
TOPS**

DEP#	047-017-04849	TOP	BASE
3RD SALT SAND		1317	1406
MAXTON		1503	1528
LITTLE LIME		1584	1610
BLUE MONDAY		1610	1630
BIG LIME		1630	1683
KEENER SAND		1683	1701
BIG INJUN SAND		1701	1824
WEIR SAND		1913	2096
GANTZ SAND		2171	2190
GORDON SAND		2364	2424
BENSON		4730	4781
ALEXANDER		4980	5072
LTD		5242	

MAY 27 2009