

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

Well Operator's Report of Well Work

Farm Name: **McIntosh** Operator Well No. : **Six (6)**

LOCATION: Elevation: **1184** Quadrangle: **New Milton 7.5**  
District: **New Milton** County: **Doddridge**  
Latitude: **39.22254** Feet South of **39** Deg. **13** Min. **21.1** Sec.  
Longitude: **80.71301** Feet West of **39** Deg. **15** Min. **00** Sec.

Company:	<b>KEY OIL COMPANY 22 GARTON PLAZA WESTON, WV 26452</b>	Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
Agent:	<b>Jan E. Chapman</b>				
Inspector:	<b>Dave Scranage</b>	<b>11"</b>	<b>32'</b>	<b>Pulled</b>	<b>N/A</b>
Permit Issued:	<b>5-17-11</b>				
Well Work Commenced:	<b>8-26-11</b>	<b>9-5/8"</b>	<b>126'</b>	<b>126'</b>	<b>70 sks. CTS</b>
Well Work Completed:	<b>8-30-11</b>				
Verbal Plugging	<b>N/A</b>	<b>7"</b>	<b>1228'</b>	<b>1228'</b>	<b>225 sks. CTS</b>
Permission granted on:	<b>5-25-11</b>				
Rotary X Cable Rig		<b>4-1/2"</b>	<b>2995'</b>	<b>2995'</b>	<b>180 sks. ETOC 1000'</b>
Total Depth ( feet )	<b>3025'</b>				
Fresh water depths ( ft )	<b>70' &amp; 100'</b>				
Salt water depths ( ft )	<b>1300'</b>				
Is coal being mined in area ( Y / N )?	<b>No</b>				
Coal Depths ( ft ):	<b>None</b>				

OPEN FLOW DATA	<b>Gordon &amp; Gantz</b>	<b>2546-2766</b>
	<b>Weir</b>	<b>2386-2414</b>
	<b>Injun</b>	<b>2162-2187</b>
	<b>Keener</b>	<b>2120-2130</b>

Producing formation	<b>Blue Monday</b>	Pay zone depth ( ft )	<b>2030-2058</b>
Gas: Initial open flow	<b>85</b>	MCF / D	Oil: Initial open flow <b>Show</b>
Final open flow	<b>761</b>	MCF / D	Oil: Final open flow <b>2</b>
Time of open flow between initial and final tests			<b>24</b>
Static rock pressure	<b>300</b>	psig ( surface pressure ) after	<b>24</b>

**All Formations Comingled.**

Second producing formation		Pay zone depth ( ft )	
Gas: Initial open flow	MCF / D	Oil: Initial open flow	Bbl / D
Final open flow	MCF / D	Oil: Final open flow	Bbl / D
Time of open flow between initial and final tests			Hours
Static rock pressure		psig ( surface pressure ) after	Hours

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WV Department of  
Environmental Protection

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.

For: **KEY OIL COMPANY**

By: *Jan Chapman* PRESIDENT

Date: **September 16, 2011**

McIntosh #6 (47-017-06014)

TREATMENT:

Gordon & Gantz	(20 holes) 2546-2766	sand, water and N2: 31,000# 20/40 sand, 284,000 SCF N2 173 bbls. water
Weir	(21 holes) 2386-2414	sand, water and N2: 21,000# 20/40 sand, 241,000 SCF N2 133 bbls. water
Injun	(20 holes) 2162-2187	sand, water and N2: 25,700# 20/40 sand, 265,000 SCF N2 159 bbls. water
Keener	(20 holes) 2120-2130	sand, water and N2: 30,500# 20/40 sand, 297,000 SCF N2 185 bbls. water
Blue Monday	(20 holes) 2030-2058	sand, water and N2: 35,200# 20/40 sand, 293,000 SCF N2 198 bbls. water

FORMATIONS:

Sand & Shale	0'	1310'
Salt Sands	1310'	1370'
Sand	1370'	1780'
Little Lime	1780'	1840'
Shale	1840'	2010'
Blue Monday	2010'	2060'
Lime	2060'	2110'
Keener	2110'	2150'
Sand	2150'	2160'
Injun	2160'	2200'
Sand & Shale	2200'	2380'
Weir	2380'	2420'
Shale	2420'	2540'
Gantz	2540'	2550'
Shale	2550'	2760'
Gordon	2760'	2770'
Shale	2770'	3021'
TD		3021'