

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. : **Five (5)**

LOCATION: Elevation: **980** Quadrangle: **New Milton 7.5**  
 District: **New Milton** County: **Doddridge**  
 Latitude: **39.22472** Feet South of **39** Deg. **13** Min. **29** Sec.  
 Longitude: **80.70952** 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>5-18-11</b>				
Well Work Commenced:	<b>9-01-11</b>	<b>9-5/8"</b>	<b>126'</b>	<b>126'</b>	<b>70 sks. CTS</b>
Well Work Completed:	<b>9-07-11</b>				
Verbal Plugging	<b>N/A</b>	<b>7"</b>	<b>971'</b>	<b>971'</b>	<b>150 sks. CTS</b>
Permission granted on:	<b>5-26-11</b>				
Rotary X Cable Rig		<b>4-1/2"</b>	<b>2820'</b>	<b>2820'</b>	<b>160 sks. ETOC 1000'</b>
Total Depth ( feet )	<b>2836'</b>				
Fresh water depths ( ft )	<b>50' &amp; 100'</b>				
Salt water depths ( ft )	<b>1710'</b>				
Is coal being mined in area ( Y / N )?	<b>No</b>				
Coal Depths ( ft ):	<b>None</b>				

OPEN FLOW DATA **Gordon & Gantz** **2378-2600**  
**Weir** **2192-2236**  
**Injun** **2012-2022**  
**Keener** **1952-1962**  
 Producing formation **Blue Monday** Pay zone depth ( ft ) **1886-1896**  
 Gas: Initial open flow **70** MCF / D Oil: Initial open flow **Show** Bbl / D  
 Final open flow **504** MCF / D Oil: Final open flow **3** Bbl / D  
 Time of open flow between initial and final tests **24** Hours  
 Static rock pressure **250** psig ( surface pressure ) after **24** Hours


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**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

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:  **PRESIDENT**  
 Date: **September 23, 2011**

McIntosh #5 (47-017-06013)

TREATMENT:

Gordon & Gantz	(20 holes) 2378-2600	sand, water and N2: 31,000# 20/40 sand, 284,000 SCF N2 178 bbls. water
Weir	(22 holes) 2192-2236	sand, water and N2: 21,000# 20/40 sand, 224,000 SCF N2 133 bbls. water
Injun	(20 holes) 2012-2022	sand, water and N2: 32,500# 20/40 sand, 285,000 SCF N2 182 bbls. water
Keener	(20 holes) 1952-1962	sand, water and N2: 30,200# 20/40 sand, 297,000 SCF N2 178 bbls. water
Blue Monday	(20 holes) 1886-1896	sand, water and N2: 30,000# 20/40 sand, 282,000 SCF N2 188 bbls. water

FORMATIONS:

Sand & Shale	0'	1350'
Salt Sands	1350'	1430'
Shale	1430'	1790'
Little Lime	1790'	1840'
Blue Monday	1840'	1910'
Lime	1910'	1950'
Keener	1950'	1990'
Injun	1990'	2030'
Sand & Shale	2030'	2190'
Weir	2190'	2250'
Shale	2250'	2370'
Gantz	2370'	2390'
Shale	2390'	2590'
Gordon	2590'	2600'
Shale	2600'	2829'
TD		2829'