

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. : **Four (4)**

LOCATION: Elevation: **1224'**

Quadrangle: **New Milton**

District: **New Milton**

County: **Doddridge**

Latitude: **39.22530** Feet South of **80** Deg. **42** Min. **30** Sec.

Longitude: **80.713340** Feet West of **80** Deg. **42** Min. **00** Sec.

Company: **KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452**

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
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Agent: **Jan E. Chapman**

Inspector: **David Scranage**

Permit Issued: **5-18-11**

11" 32 Pulled N/A

Well Work Commenced: **6-20-11**

9-5/8" 168 168 60 sks. CTS

Well Work Completed: **6-25-11**

Verbal Plugging **N/A**

7" 1437 1437 230 sks. CTS

Permission granted on: **6-5-11**

Rotary X Cable Rig

4-1/2" 3029 150 sks. ETOC 1200'

Total Depth (feet) **3060'**

Fresh water depths (ft) **85' & 110'**

Salt water depths (ft) **1230'**

Is coal being mined in area (Y / N)? **No**

Coal Depths (ft): **1460'**

OPEN FLOW DATA **Gordon & Gantz
Weir
Keener**

**2582-2802
2376-2440
2148-2158
2080-2090**

Producing formation **Blue Monday** Pay zone depth (ft)

Gas: Initial open flow **100** MCF / D Oil: Initial open flow

Final open flow **531** MCF / D Oil: Final open flow

Time of open flow between initial and final tests **24**

Static rock pressure **350** psig (surface pressure) after **24**

Show Bbl / D
2 Bbl / D
Hours
Hours

All Formations Comingled.

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF / D Oil: Initial open flow

Final open flow MCF / D Oil: Final open flow

Time of open flow between initial and final tests

Static rock pressure psig (surface pressure) after

Bbl / D
Bbl / D
Hours
Hours

**RECEIVED
Office of Oil & Gas**

AUG 03 2011

**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: **July 11, 2011**

TREATMENT:

Gordon & Gantz	(20 holes) 2582-2802	sand, water and N2: 26,000# 20/40 sand, 298,000 SCF N2 151 bbls. water
Weir	(20 holes) 2376-2440	sand, water and N2: 15,200# 20/40 sand, 198,800 SCF N2 108 bbls. water
Keener	(20 holes) 2148-2158	sand, water and N2: 13,500# 20/40 sand, 210,000 SCF N2 115 bbls. water
Blue Monday	(20 holes) 2080-2090	sand, water and N2: 25,000# 20/40 sand, 318,000 SCF N2 192 bbls. water

FORMATIONS:

Sand and Shale	0'	1550'
Salt Sand	1550'	1650'
Sand & Shale	1650'	2050'
Blue Monday	2050'	2100'
Lime	2100'	2150'
Injun	2150'	2230'
Sand	2230'	2380'
Weir	2380'	2450'
Sand & Shale	2450'	2580'
Gantz	2580'	2595'
Sand & Shale	2595'	2790'
Gordon	2790'	2810'
Sand & Shale	2810'	3030'
TD		3060'