

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

Well Operator's Report of Well Work

Farm Name: **Drennan** Operator Well No. : **Seven (7)**

LOCATION: Elevation: **1207** Quadrangle: **Oxford 7.5**
 District: **Southwest** County: **Doddridge**
 Latitude: **39.18629** Feet South of **39** Deg. **11** Min. **10.7** Sec.
 Longitude: **80.76215** Feet West of **80** Deg. **45** Min. **43.7** 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
Agent:	Jan E. Chapman				
Inspector:	Dave Scranage	11"	32'	Pulled	N/A
Permit Issued:	12-15-11				
Well Work Commenced:	12-28-11	9-5/8"	168'	168'	60 sks. CTS
Well Work Completed:	01-15-12				
Verbal Plugging	N/A	7"	1399'	1399'	190 sks. CTS
Permission granted on:	12-27-11				
Rotary X Cable Rig		4-1/2"	2820'	2820'	150 sks. CT 1100'
Total Depth (feet)	2912'				
Fresh water depths (ft)	95'				
Salt water depths (ft)	1484'				
Is coal being mined in area (Y / N)?	No				
Coal Depths (ft):	NA				

OPEN FLOW DATA **Gordon & Gantz** **2428-2658**
Weir **2230-2304**
Keener & Injun **2006-2070**

Producing formation **Blue Monday** Pay zone depth (ft) **1930-1940**
 Gas: Initial open flow **84** MCF / D Oil: Initial open flow **Show** Bbl / D
 Final open flow **605** MCF / D Oil: Final open flow **4** Bbl / D
 Time of open flow between initial and final tests **24** Hours
 Static rock pressure **460** psig (surface pressure) after **24** Hours

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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 Office of Oil & Gas
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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 E. Chapman*

PRESIDENT

Date: **January 17, 2012**

Drennan #7 (47-017-06040)

TREATMENT:

Gordon & Gantz	(20 holes) 2428-2658	sand, water and N2: 30,000# 20/40 sand, 346,000 SCF N2, 180 bbls. water
Weir	(21 holes) 2230-2304	sand, water and N2: 30,000# 20/40 sand, 303,000 SCF N2, 181 bbls. water
Keener & Injun	(20 holes) 2006-2070	sand, water and N2: 30,000# 20/40 sand, 408,000 SCF N2, 194 bbls. water
Blue Monday	(20 holes) 1930-1940	sand, water and N2: 15,000# 20/40 sand, 175,000 SCF N2, 130 bbls. water

FORMATIONS:

Sand & Shale	0'	1420'
Salt Sand	1420'	1470'
Sand & Shale	1470'	1790'
Little Lime	1790'	1880'
Shale	1880'	1930'
Blue Monday	1930'	1940'
Shale	1940'	2000'
Keener	2000'	2010'
Shale	2010'	2040'
Injun	2040'	2080'
Shale	2080'	2220'
Weir	2220'	2320'
Sand & Shale	2320'	2430'
Gantz	2430'	2440'
Shale	2440'	2650'
Gordon	2650'	2660'
Shale	2660'	2912'
TD		2912'