

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

Well Operator's Report of Well Work

Farm Name: **Abner Stout** Operator Well No. : **Five (5)**

LOCATION: Elevation: **1014** Quadrangle: **Mount Clare**
District: **Simpson** County: **Harrison**
Latitude: **7,730** Feet South of **39** Deg. **15** Min. **00** Sec.
Longitude: **4,820** Feet West of **80** Deg. **15** Min. **00** Sec.

Company: **KEY OIL COMPANY** Casing & Tubing Size Used In Drilling Left In Well Cement Fill Up Cu Ft
22 GARTON PLAZA
WESTON, WV 26452

Agent: **Jan E. Chapman**
Inspector: **Tim Bennett** **9-5/8"** **132** **132** **70 Cu Ft**
Permit Issued: **05-26-10**
Well Work Commenced: **07-26-10** **7"** **928** **928** **198 Cu Ft** ✓
Well Work Completed: **08-09-10**
Verbal Plugging **4-1/2"** **4955** **533 Cu Ft**
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) **5030**
Fresh water depths (ft) **30, 338 & 880**
Salt water depths (ft) **NR**
Is coal being mined in area (Y / N)? **No**
Coal Depths (ft): **NR**

OPEN FLOW DATA Elk **4623-4896**
Alexandeer **4412-4415**
Benson **4126-4194**
Riley **3876-3961**
Balltown **3949-3952**
Warren **3163-3406**
Speechly **2622-2841**
Fifth **2113-2143**
Producing formation **Fourth** Pay zone depth (ft) **2030-2036**
Gas: Initial open flow **Show** MCF / D Oil: Initial open flow **Show** Bbl / D
Final open flow **1,639** MCF / D Oil: Final open flow **Show** Bbl / D
Time of open flow between initial and final tests **N/A** Hours
Static rock pressure **710** psig (surface pressure) after **48** 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

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: **August 29, 2010**

RECEIVED
Office of Oil and Gas

OCT 29 2014

WV Department of
Environmental Protection

Abner Stout No. 5 (47-033-05416)

TREATMENT:

Elk (13 Holes) 4413-4892	500 GA, 5,000# 80/100 Sand, 20,000# 20/40 Sand & 514 Bbls. 60 Quality Foam
Benson (13 Holes) 4127-4192	750 GA, 5,000# 80/100 Sand, 25,000# 20/40 Sand & 550 Bbls. 60 Quality Foam
Riley (13 Holes) 3363-3967 Balltown & Warren (13 Holes) 2524-3202	1,250 GA, 10,000# 80/100 Sand, 50,000# 20/40 Sand & 967 Bbls. 60 Quality Foam
Fifth & Fourth (14 Holes) 2031-2139	750 GA, 25,000# 20/40 Sand & 413 Bbls. 60 Quality Foam

FORMATIONS:

Fill	0	15	
Sand	15	45	Water @ 30' - 1/2"
Sand/Shale	45	360	Water @ 338' - 1/8"
Sand	360	690	
Sand/Shale	690	1000	Water @ 880'
Little Lime	1000	1120	
Big Lime	1120	1200	Gas Ck @ 1116' - N/S
Sand/Shale	1200	1280	
Big Injun	1280	1350	Gas Ck @ 1326' - N/S
Sand/Shale	1350	2122	Gas Ck @ 2076' - N/S
Fifth Sand	2122	2180	
Sand/Shale	2180	4417	
Benson	4417	4537	Gas Ck @ 4506' - N/S
Elk	4537	4910	
Sand/Shale	4910	5030	
RTD	5030		