

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



Farm name: WARDEN, BARBARA

Operator Well No.: WARDEN #1

LOCATION: Elevation: 980.00

Quadrangle: WEST UNION

District: CENTRAL
Latitude: 9850 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 10600 Feet West of 80 Deg. 50 Min. 0 Sec.

Permitting
Office of Oil & Gas

Company: KEY OIL COMPANY
22 Garton Plaza
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit issued: 12/20/96
Well Work Commenced: 1/14/97
Well Work Completed: 1/30/97

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5448'
Fresh water depths (ft) 20', 252', 303'
Salt water depths (ft) NONE

Is coal being mined in area (Y / N)? N
Coal Depths (ft): None Reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	129.10	129.10	70 sks To Surface
8 5/8"	1974.6	1974.6	565 sks To Surface
4 1/2"	5356.75	5356.75	360 sks
2 3/8"		5169	

OPEN FLOW DATA

Balltown
Rileys
Benson
Producing formation Alexander
Gas: Initial open flow 20 MCF / d
Final open flow 1,524 MCF / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1750 psig (surface pressure) after 96 Hours

3754' - 4434'
4466' - 4580'
4897' - 4910'
5143' - 5222'
Pay zone depth (ft)
Oil: Initial open flow 0 Bbl / d
Oil: Final open flow show Bbl / d
Hours
Hours

Second producing formation Commingled
Gas: Initial open flow _____ MCF / d
Final open flow _____ MCF / 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: Date: 4-22-97

PRESIDENT

150 1000

