

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

MF

Well Operator's Report of Well Work

Farm Name: JAMES C. & JUDY HILL

Operator Well No. : FLEMING #9

LOCATION: Elevation: 829'

Quadrangle: WEST UNION

District: WEST UNION

County: DODDRIDGE

Latitude: 10737 Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 1650 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 08/05/04
Well Work Commenced: 10/08/04
Well Work Completed: 10/11/04

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2559'
Fresh water depths (ft) 17'. 35'
Salt water depths (ft) NONE

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

OPEN FLOW DATA

Producing formation Maxton
Gas: Initial open flow _____ MCF / d
Final open flow 1,750 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 250 psig (surface pressure) after 96 Hours

Second producing formation _____
Gas: Initial open flow Commingled MCF / d
Final open flow Commingled MCF / d
Time of open flow between initial and final tests _____
Static rock pressure _____ psig (surface pressure) after _____ Hours

0000 485

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*
Date: March 26, 2005

RECEIVED
Office of Oil & Gas
Office of Chief
APR 04 2005
WV DEPARTMENT
Environmental Protection

MAY 27 2005

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	844'	844'	190 sks To Surface
4 1/2"	2470'	2470'	250 sks.

Fleming #9 (47-017-#654)
#657

Three Stage Foam Frac – Universal Well Services

1 st Stage:	Gordon(15 holes) (2350' to 2408')	60 Quality Foam, 500 gal. 15% HCL., 30,000# 20/40 sand, 250,000 SCF N2, 275 bbis foam
2 nd Stage:	Big Injun (15 holes) (1728' to 1760')	60 Quality Foam, 750 gal 15% HCl, 25,000# 20/40 sand, 335,000 SCF N2, 310. bbis foam
3 rd Stage:	Maxton (15 holes) (1546' to 1556')	60 Quality Foam, 500 gal 15% HCl, 25,000# 20/40 sand, 255,000 SCF N2, 290 bbis foam

WELL LOG

KB	0	10	
Clay	10	18	Damp @ 17'
Sand & Shale	18	73	1/2" water @ 35'
Sand	73	95	
Red Rock	95	111	
Sand & Shale	111	217	
Sand	217	248	
Sand & Shale & Red Rock	248	473	
Sand	473	501	
Sand & Shale	501	735	
Red Rock	735	777	
Sand & Shale	777	911	
Red Rock	911	953	
Sand & Shale	953	1448	
Sand	1448	1486	
Shale	1486	1527	
Maxton	1527	1558	
Shale	1558	1566	
Little Lime	1566	1612	
Big Lime	1612	1673	
Big Injun	1673	1756	
Shale	1756	1906	
Weir	1906	2019	
Shale	2019	2105	
Berea	2105	2120	
Shale	2120	2297	
Gordon	2297	2358	
Sand & Shale	2358	2559	
TD	2559		

Gas Checks

1510' – No Show
1801' - Odor
2155' - Odor
2550' - Odor

MAY 27 2005