

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

*J.C.*

Well Operator's Report of Well Work

Farm Name: JAMES R. & JANET L. FRALEY

Operator Well No. : JAMES FRALEY NO. 2

LOCATION: Elevation: 1160'

Quadrangle: WEST UNION

District: WEST UNION

County: DODDRIDGE

Latitude: 5920 Feet South of 39 Deg. 20 Min. 00 Sec.

Longitude: 2150 Feet West of 80 Deg. 45 Min. 00 Sec.

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

Agent: JAN CHAPMAN

Inspector: MIKE UNDERWOOD  
Permit issued: 04/22/04  
Well Work Commenced: 12/16/04  
Well Work Completed: 12/18/04

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth ( feet ) 2978'  
Fresh water depths ( ft ) 452'  
Salt water depths ( ft ) NONE

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1155'	1155'	260 sks To Surface
4 1/2"	2923'	2923'	250 sks.

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

OPEN FLOW DATA

Keener  
Big Injun  
Gordon  
Producing formation \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF / d  
Final open flow 1,958 MCF / d  
Time of open flow between initial and final tests N/A  
Static rock pressure 350 psig ( surface pressure ) after 96 Hours

2164' - 2182'  
2190' - 2224'  
2807' - 2860'

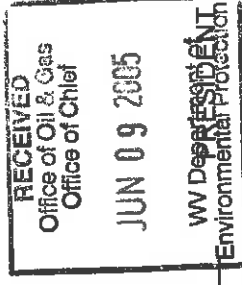
Second producing formation \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF / d  
Final open flow \_\_\_\_\_ MCF / d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig ( surface pressure ) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORMED 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.

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For: KEY OIL COMPANY

By: *Jan Chapman*  
Date: June 7, 2005



James Fraley #2 (47-017-4824)  
Two Stage Foam Frac – Universal Well Services

1<sup>st</sup> Stage: Gordon( 10 holes ) (2841' to 2861 )      60 Quality Foam.  
500 gal. 15% HCL., 25,000# 20/40 sand,  
250,000 SCF N2, 275 bbls foam

2<sup>nd</sup> Stage: Big Injun ( 15 holes ) ( 1996' to 2018' )      60 Quality Foam,  
Keener (10 holes ) ( 2172' to 2178' )      750 gal 15% HCl, 30,000# 20/40 sand,  
335,000 SCF N2, 310 bbls foam

	<u>WELL LOG</u>	
KB	0	10
Fill	10	11
Red Rock	11	70
Sand & Shale	70	105
Red Rock & Shale	105	237
Sand & Shale	237	265
Red Rock & Shale	265	312
Sand & Shale	312	635
Sand	635	650
Sand & Shale & Red Rock	650	750
Sand & Shale	750	895
Red Rock	895	921
Sand & Shale	921	2038
Little Lime	2038	2060
Big Lime	2060	2164
Keener	2164	2182
Shale	2182	2190
Big Injun	2190	2224
Shale	2224	2038
Squaw	2038	2266
Shale	2266	2401
Weir	2401	2490
Shale	2490	2601
Berea	2601	2620
Shale	2620	2807
Gordon	2807	2860
Shale	2860	2978
TD	2978	

½" water @ 452'

**Gas Checks**  
2019 – No Show  
2280' - Odor  
2800' - Odor