

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

Well Operator's Report of Well Work

Farm Name: JACKSON H. AND BETTY LOU CALHOUN

Operator Well No.: CALHOUN #2

LOCATION: Elevation: 1152.00

Quadrangle: WEST UNION

District: WEST UNION

County: DODDRIDGE

Latitude: 7785 Feet South of 39 Deg. 20 Min. 00 Sec.

Longitude: 2860 Feet West of 80 Deg. 45 Min. 00 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 07/15/03
Well Work Commenced: 12/12/03
Well Work Completed: 12/19/03

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 2958'
Fresh water depths (ft) 44', 389'
Salt water depths (ft) NONE

Is coal being mined in area (Y / N)? N
Coal Depths (ft): 238' (4')

OPEN FLOW DATA

WV Department of
Environmental Protection

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1182'	1182'	263 sks To Surface
4 1/2"	2906'	2906'	250 sks

RECEIVED
Office of Oil & Gas

FEB 02 2004

Keener
Big Injun
Gordon

Producing formation _____
Gas: Initial open flow _____ MCF / d
Final open flow 2,398 MCF / d
Time of open flow between initial and final tests _____ N/A
Static rock pressure 450 psig (surface pressure) after 96 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 _____
Static rock pressure _____ psig (surface pressure) after _____ Hours

Pay zone depth (ft) 2130' - 2150'
2152' - 2208'
Oil: Initial open flow 0 Bbl / d
Oil: Final open flow show Bbl / d
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 Chapman
Date: January 25, 2004

PRESIDENT

0000 4753

Calhoun #2 (47-017-4753)
Two Stage Foam Frac - BJ Well Services

1st Stage:	Gordon (16 holes) (2784' to 2813')	60 Quality Foam. 500 gal. 15% HCL. 40,000# 20/40 sand, 420,000 SCF N2, 615 blis foam.
2nd Stage:	Big Injun/Squaw (15 holes) (2173' to 2204') Keener (10 holes) (2119' to 2140')	60 Quality Foam. 750 gal 15% HCL. 30,000# 20/40 sand, 359,000 SCF N2, 526 blis foam.

WELL LOG

KB-GL	0	10	
Fill	10	14	
Sand	14	25	
Red Rock	25	32	
Sand & Shale	32	70	
Red Rock	70	95	
Shale & Red Rock	95	207	Damp @ 44'
Sand & Shale	207	238	
Coal	238	242	
Sand & Shale	242	258	
Red Rock & Shale	258	370	
Sand & Shale	370	394	
Shale & Red Rock	394	435	1/4" water @ 389'
Sand	435	464	
Sand & Shale	464	510	
Sand	510	532	
Sand & Shale	532	570	
Red Rock	570	590	
Sand & Shale	590	665	
Sand	665	680	
Sand & Shale	680	1006	
Sand	1006	1067	
Shale	1067	1265	
Sand & Shale	1265	1789	
Shale	1789	1955	
Sand	1955	1977	
Shale	1977	2050	
Big Lime	2050	2130	<u>Gas Checks</u>
Keener	2130	2150	1950' - Odor
Shale	2150	2152	2295' - Odor
Big Injun	2152	2208	2769' - Odor
Shale	2208	2369	
Weir	2369	2481	
Shale	2481	2552	
Berea	2552	2580	
Sand & Shale	2580	2765	
Gordon	2765	2820	
Shale	2820	2958	
TD	2958		