

**PACKAGE ID** - 001154IBMPC00 DOWNDYN

**KWIC TITLE** - Downhole Dynamometer Data Processor

**AUTHORS** - Mansure, C.  
Sandia National Labs, Albuquerque, NM (United States)  
  
Waggoner, John R  
Sandia National Labs, Albuquerque, NM (United States)

**LIMITATION CODE** -COPY                   **AUDIENCE CODE** - LIM

**COMPLETION DATE** - 06/01/1996   **PUBLICATION DATE** - 06/01/1996

**DESCRIPTION** - The Downhole Dynamometer Database contains data taken during tests made on a number of different wells using both a surface dynamometer and a number of different downhole dynamometer tools. DOWNDYN allows the user to perform four different functions on the database: select a data file, choose information from the file, and either plot or export that information.

**PACKAGE CONTENTS** - Media Directory; Software Abstract; Media Includes Executable, Sample Problem Input Data, Help Files, Readme Files;

**SOURCE CODE INCLUDED?** - No

**MEDIA QUANTITY** - 2 3.5 Diskettes

**METHOD OF SOLUTION** - The program uses a Graphic User interface to allow the user to make choices and employs a Graphics Server to return plots of the data.

**COMPUTER** - IBM PC

**OPERATING SYSTEMS** - Windows 3.1

**PROGRAMMING LANGUAGES** - Visual Basic Professional Ed 3.0, Graphics Server 4.04

**SOFTWARE LIMITATIONS** - Data must be in the format and directory structure as distributed. Graphing is limited to 6000 data points. Data from separate data files can not be overlaid. File names can not be changed. Installation can not update or install modules actively running at the time of installation.

**SOURCE CODE AVAILABLE (Y/N)** - N

**UNIQUE FEATURES** - The program is specifically designed to process the data in the Downhole Dynamometer Database.

**RELATED SOFTWARE** - Raw downhole dynamometer acceleration must first be integrated to give velocity and position, combined with load etc. and formatted into comma delimited tables to create data files that

**PACKAGE ID** - 001154IBMPC00 DOWNDYN

**RELATED SOFTWARE - (CONT)** can be read by DOWNDYN. Typically this is done using a spreadsheet.

**HARDWARE REQS** - Windows 3.0+. Data base is over 40Mb

**TIME REQUIREMENTS** - Program can server up to a typical plot in less than 5 sec on a 75mHz Pentium.

**ABSTRACT STATUS** - Submitted 2/4/97. Released AS-IS 5/7/97

**SUBJECT CLASS CODE** - N

**KEYWORDS** -

COMPUTER PROGRAM DOCUMENTATION  
D CODES  
COMPUTER CALCULATIONS  
COMPUTER GRAPHICS  
PLOTTERS  
DATA ACQUISITION SYSTEMS  
BOREHOLES  
WELL LOGGING  
DYNAMOMETERS

**EDB SUBJECT CATEGORIES** -  
990200 440400

**SPONSOR** - DOE/DP

**PACKAGE TYPE** - AS - IS