

PumperPal

Field Data Collection and Reporting Software

PumperPal is a simple to use data collection and reporting system used to assist field personnel with production reporting. PumperPal will allow field personnel to enter daily production data on site. After the data is collected, reports can be viewed on screen, printed, or emailed. The system runs on a laptop, net book, or desktop computer running Windows (XP, Vista or 7).

The screenshot displays the PumperPal 3 software interface for 'Sample Oil Company_0301 Route'. The top menu bar includes 'Lease: Adams #1', 'Wells', 'All Wells', 'Begin: 09/04/11', 'End: 09/10/11', and version information 'ver 3.1.11250 09/07/11'. Below the menu bar are tabs for 'Daily', 'Lease', 'Equipment', 'Reports', 'Notes', 'Pumper', and 'Company'. The main data entry area shows fields for 'Date: 9/10/2011', 'Gas: 335.0', 'Oil: 181.2', 'Wtr: 1,182.0', 'Hrs: 24.0', 'Oil Sales: 353.0', and 'Wtr Disp: 1,182'. There are buttons for 'Calc', 'Prev', and 'Next'. Below these are tabs for 'Gas Meter', 'Tanks', 'Wellhead', 'Run Tickets', 'Water Hauls', 'Water Meter', 'Compressor', 'Plunger', 'Dehydrator', 'Welltest', 'Status', and 'Other'. The 'Run Tickets' tab is active, showing a table of tickets and a detailed view of a selected ticket. The table has columns: Tk No, Tkt Type, Tkt No, Open, Close, Bbls, and Tkt Date. The detailed view shows fields for '2 Ticket Type: OIL SALES', 'Tank No: 2', 'Purch No: 0', 'Tkt No: 808301', 'Open Gauge: 7', 'Close Gauge: 1', 'Bbls: 177.0', 'Actual Ticket Date: CURRENT', 'Ticket Time: 9:00 AM', 'Bs&w: 0.10', 'Open Temp: 84.0', 'Observed Grav: 43.0', 'Close Temp: 84.0', 'Observed Temp: 82.0', 'Seal Off: 582564', and 'On: 582565'. At the bottom, there is a '1 Last Meter' section with fields for 'Reading', 'Bbls', 'Prior', and 'Factor', and a 'Use Odometer' checkbox. A large table at the bottom shows a history of production data with columns: Date, Gas, Oil, Wtr, Hrs, St, Chk, Tbg, Csg, Bhp, Lp, Comments, Tank #1, Tank #2, Tank #3, and Tank #4.

Date	Gas	Oil	Wtr	Hrs	St	Chk	Tbg	Csg	Bhp	Lp	Comments	Tank #1	Tank #2	Tank #3	Tank #4
09/10	335	181.2	1,182	24.0		64	150	125		100	OIL SALES	1-2.3/0-0.0	1-8.0/0-0.0	10-1.3/0-0.0	10-0.0
09/09	336	165.0	1,028	24.0		64	150	125		100	OIL SALES	1-2.3/0-0.0	12-3.0/0-0.0	10-1.3/0-0.0	4-7.2
09/08	333	183.0	1,054	24.0		64	150	125		100	OIL SALES	1-2.3/0-0.0	7-4.0/0-0.0	10-1.3/0-0.0	9-10.2
09/07	332	179.8	1,069	24.0		64	150	125		100	OIL SALES	1-2.3/0-0.0	1-10.0/0-0.0	10-1.3/0-0.0	15-4.2
09/06	336	178.7	1,097	24.0		64	150	125		100		1-2.3/0-0.0	1-10.0/0-0.0	15-4.2/0-0.0	10-2.0
09/05	337	182.8	1,147	24.0		64	150	125		100		1-2.3/0-0.0	1-10.0/0-0.0	15-4.2/0-0.0	4-9.0
09/04	344	181.2	1,210	24.0		64	150	125		100	OIL SALES	1-2.3/0-0.0	1-5.0/0-0.0	10-3.0/0-0.0	4-9.0

Other Features Include:

- PumperPal's reporting and validation makes the pumper more accurate and efficient.
- Data is transferred over the internet for analysis and reporting.
- Previous 7 days data and calculated production are shown at bottom of screen.
- Previous day information is brought forward to eliminate repetitive data entry.
- Dropdowns are provided for input fields such as downtime reasons to keep typing to a minimum.
- PumperPal is a reporting system, not just a data collector.
- Quickly generates reports for on screen viewing, printing, or emailing a PDF document.
- Creates single day, multiple day or monthly gauge reports.
- PumperPal may be used alone or interface with the PRS Production Reporting System.

PRS

Production Reporting System

PRS is a windows application which reports daily and monthly oil and gas production. The office component of Carroll Engineering's oil and gas production system, PRS is used by petroleum engineers, production analysts and management to review production data quickly and easily.

Date	Gas	Oil	Wtr	Hrs	St	Chk	Tbg	Csg	Lp	Comments Field	Comments Office	Source	Status	Annotation	Sip	Si hrs
1/1/11	958	169.8	882	24.0		64	100.0	50	31				PR			
1/2/11	920	158.1	923	24.0		64	100.0	50	52				PR			
1/3/11	942	158.7	882	24.0		64	100.0	50	29	Well #16 & #19 gas			PR			
1/4/11	939	190.6	916	24.0		64	100.0	50	31				PR			
1/5/11	987	190.3	996	24.0		64	100.0	50	34				PR			
1/6/11	965	193.4	836	24.0		64	100.0	50	29				PR			
1/7/11	941	187.6	902	24.0		64	100.0	50	32				PR			
1/8/11	952	165.4	936	24.0		64	100.0	50	33				PR			
1/9/11	953	183.3	967	24.0		64	100.0	50	33				PR			
1/10/11	945	184.5	962	24.0		64	100.0	50	34				PR			
1/11/11	969	183.4	909	24.0		64	100.0	50	31	Lact meter down-bad			PR			
1/12/11	927	165.6	915	24.0		64	100.0	50	30	Treated tank & pulled 1			PR			
1/13/11	918	175.1	876	24.0		64	100.0	50	29	Placed well #5 online.			PR			
1/14/11	957	179.4	942	24.0		64	100.0	50	26				PR			
1/15/11	920	175.3	932	24.0		64	100.0	50	31				PR			
1/16/11	938	128.0	827	24.0		64	100.0	50	29	Production low-pressure			PR			
1/17/11	914	165.4	914	24.0		64	100.0	50	31				PR			
1/18/11	921	169.3	959	24.0		64	100.0	50	33				PR			
1/19/11	944	176.1	848	24.0		64	100.0	50	31	Transferred 28 Bbls. oil			PR			
1/20/11	935	200.4	899	24.0		64	100.0	50	33				PR			
1/21/11	924	186.1	972	24.0		64	100.0	50	28				PR			
1/22/11	946	187.1	955	24.0		64	100.0	50	37				PR			
1/23/11	939	191.6	923	24.0		64	100.0	50	51				PR			
1/24/11	927	189.9	935	24.0		64	100.0	50	29				PR			
1/25/11	934	179.1	915	24.0		64	100.0	50	76	DCP compressor down			PR			
1/26/11	917	182.2	912	24.0		64	100.0	50	33	DCP compressor down			PR			
1/27/11	932	187.1	951	24.0		64	100.0	50	40				PR			

Other Features Include:

- A simple tab based user interface logically organizes the program and makes it easy to use. Data is presented in a spreadsheet style format to easily view and edit.
- Filters can be set so that only the leases in an individual users area of responsibility is shown when the program is started. The default reporting criteria is on the filtered leases only.
- Variance reports allow user defined groups, sorting, variance calculation methods and limits.
- Advanced graphing allows the plotting of several daily or monthly items using up to six axes with two line graphs with one above the other. Graphs can be easily exported to the windows clipboard and pasted into other windows applications.
- Lease, daily, and monthly data can be exported to an Excel spreadsheet. A range of daily or monthly data can be exported to each row.