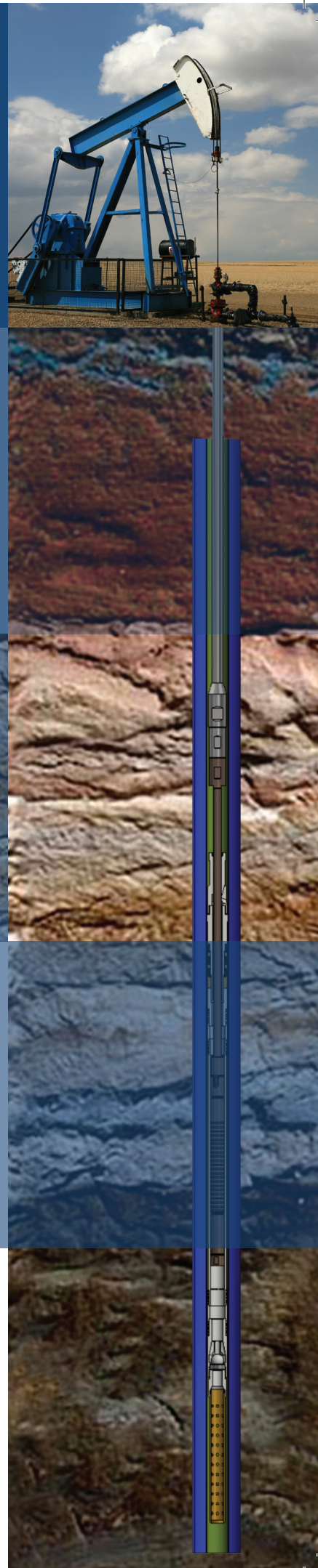




WEB BASED ANALYTICS
FOR PUMP & WELL
HISTORY REPORTING



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WELCOME TO Q₂-Trak

Well Tracking System

Q2-Trak utilizes the latest generation of web technology to enable real-time analysis of pump service data and to provide advanced analytical reporting designed to optimize pump run-life and minimize costs.



PUMP/WEEL
DATA



Q2
DATABASE



Q2 CUSTOMER
WEB BROWSER

FEATURES

Detailed Well History with
Runlife Analysis

Pumpsheet Breakdown

Component Analysis

Advanced Sorting, Filtering
& Grouping

Customizable Data Columns

Data Exports

WELL SUMMARY ANALYSIS

Home Page - Q2-Trak

qc-testing:16000

Q2-Trak Hello demo2@q2als.com! Log off

Well Summary - Demo Customer

Refresh Clear Filter Column Chooser Export to Search...

Pump	API Description	Service	Installed	Pulled	Run Time	Reason For Pull	Foreign Material	Failure Cause	Total	Comments
Well: (100) 005- W6										
QGP4861	20-125-RHAC-12-03-00-00	JUNKED	6/1/2014	4/24/2017	1058	Investigation	Scale	Standard Wear	\$254.15	Disassembled Bhp Qgp 4861 and inspected The barrel was worn. The plunger was worn with light scoring. The travelling valve was worn with a fast leak. The standing valve was worn with a fast leak. The top end was pounded, pump was on tap. Light scale was found throughout the BHP. (sample taken) Light pitting and corrosion was found throughout the BHP.
Q23-37	20-125-RHAC-12-03-00-00	INSTALL	4/24/2017		172				\$2,464.79	
Avg: 1058									Avg of Total is \$1,359.47	Sum=\$2,718
Well: (100) 03- W6										
NOVGP-19214	20-125-RWAC-12-03-00-00	JUNKED	6/9/2014	6/8/2017	1095	Tubing Failure	Scale	Corrosion	\$254.15	Disassembled and inspected BHP CEGP-4511. The barrel and plunger were both worn from excessive friction. The hold down had thread damage. The travelling valve was worn with a fast leak. The standing valve was seized inside the standing cage. There was severe corrosion found throughout the BHP. A sample of scale was collected from the plunger. Junked BHP and put remaning parts into customer stock.
Q23-55	20-125-RHAC-12-03-00-00	INSTALL	6/8/2017		127				\$2,372.79	
Avg: 1095									Avg of Total is \$1,313.47	Sum=\$2,626
Well: (100) 03- W4										
WDH-004	25-150-RWAC-14-04-00-00	JUNKED	5/12/2015	5/12/2017	731	Hang Up	Scale	Foreign Material	\$246.75	Repair BHP #WDH-004, Job #QDH-149, 25-150-RWAC-14-4-0-0 w/top gas check, steel chrome barrel, spray metal plunger, CS insert guided travel cage, CS insert guided standing cage, titanium carbide balls & seats, CS/Teflon coated strainer nipple and bushing. BHP pulled as not pumping, seized by scale when brought to surface, spiral guide, valve rod guide, standing cage, strainer ninnle. heavily coated with scale. RHP tanned nuite

Page 1 of 6 (570 items) < Prev 1 2 3 4 5 6 Next >

Page size: 100

The Well Summary page provides a centralized interface for all data analysis and can be heavily customized to the user's needs. Data can be grouped, filtered or searched by any column and columns can be resized, re-ordered or interchanged with other service information if required.

All data is available for download in Excel format through the export feature.

Selecting a row in the data grid will load the full Pumpsheet information in a new browser window.

PUMP SHEET BREAKDOWN

The Pump Sheet contains a comprehensive breakdown of the pump repair and includes all failure information such as:

Images are captured to document the component failure and are cross-referenced with the ticket item.

Other images may include foreign material, torque measurements and replacement components.

- Customer Information including Well, PO, AFE and Authorizer.
- Pump information including API description, fish neck and stroke size.
- Pull information including reason for pull, pump failure cause, corrosion and any foreign material identified.
- Detailed component analysis and individual failures including metallurgy and replacement components.
- Pump technician notes.
- Component failure images.



PUMPSHEET

Page 1 of 2

PUMP SERVICE REPORT			
Customer:		PS No	11-28808
Ship To:		PS Type:	REPAIR
Customer Order No:		WellSite:	00-00-000-00 W0 / (100)
Pump Number:	NOVWP-214	Pump Runlife:	173
Pump Desc (Before):	20-150-RWAC-14-03-00-00	Field:	LAKEVIEW
Serviced By:	KORY, JOHN	Install Date:	06/04/2019
Shipped From:	11 (PROVOST) - 22 WHEATLAND CRESCENT, PROVOST, AB	AFE:	
		Authorized By:	SCOT HEATH
		PO No:	

WEAR (Thousands/Inch at Feet from Top)														
Feet	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Prev BBL Out:	1	1	4	0	0	0	0	1	1	1	1	1	1	1
Barrel In:	1	1	5	1	1	5	5	1	1	5	1	5	5	1
Barrel Out:	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Feet	01	02	03											
Prev Plunger Out:	0	0	2											
Plunger In:	9	2	3											
Plunger Out:	0	0	0											

PARTS										
Prod Cat	Orig Item No	Mtrl	Cond	Item No	Runlife	Item Description	Mtrl	QTY	Price	Total
COUPLINGS	54W	CS	WRN	CR66FTA	174	3/4" FS T CPLG.	CS	1	24.10	24.10
Accessory-Pump	99W2C-25	CS	OK		174					
COUPLINGS	54W	CS	WRN	CR66FTA	174	3/4" FS T CPLG.	CS	1	24.10	24.10
FITTINGS-REG.	23K	CS	OK		174					
VALVE ROD OTHER	114F1	VR/862	BNT	114F1	173	ROD, VALVE 11/16" 8620 CD RD	VR/862	14	6.49	90.86
		0					0			
FITTINGS-FS/SS	547F	SS	OK		398	PER FOOT				
PLGR-SPR METAL	102FQ3-5	PSM	SCR	102FQ3-PP	398	PLUNGER,PIN END,MTL SRY,1-1/2" X 3',-.003 FIT W/ 1 PP/ END	PSM-PP	1	253.47	253.47
CAGE,INSERT GD	39F-IG	CS/IG	OK		398					
VALVE - T/C	12FCTC2	VTC	OK		398					
FITTINGS-BRASS	B98F1	BR	OK		398					
O RINGS	39F-IG4	RUB	OK		398					
FITTINGS-REG.	70K	CS	OK		398					
Accessory-Pump	116K3	CS	OK		398					
Accessory-Pump	116K3	BR	WRN	116K3	174	VALVE, TOP CHECK, PLUNGER	BR	1	63.00	63.00
Accessory-Pump	116K5	CS	WRN	116K5	174	BRASS 2" FOR 11/16" V.R.	CS	1	22.69	22.69
FITTINGS-FS/SS	S85K	SS	THD	S85K	174	VALVE, TOP CHECK, SEAT BUSHING				
FITTINGS-REG.	110K	CS	OK		398	2" F/2" TOP HOLD DOWN	SS	1	101.33	101.33
FITTINGS-REG.	95K	CS	OK		398	MANDREL, API HOLD DOWN 3 CLIP				
625-626-SEATCUP	625J+60	NY	WRN	625J+60	173	2" STAINLESS				
625-626-SEATCUP	625J+60P	NY	WRN	625J+60P	173	SEATING CUP, TYPE HR	NY	2	12.48	24.96
FITTINGS-REG.	25KF	CS	OK		398	1-25/32+60"				
BBL-BRASS CHRM	B15F14C	BBC	ICR	B15F14C	398	SEATING CUP				
CAGE-S/5 INSERT	S37H-IG-1PC	SS/IG	OK		174	1-25/32+60 PLASTIC				
VALVE - T/C	12HCTC2	VTC	OK		398	BARREL, RW 1-3/4"OD X 1-1/2"ID	BBC	1	838.70	838.70
FITTINGS-REG.	22K	CS	OK		398	14" BRASS CHROME				
Accessory-Pump	93A24	CS	ECR	93A24	174	NIPPLE, STRAINER	CS	1	38.25	38.25
O RINGS	39H-IG4	RUB	OK		398	1" X 24"				
				89K		NPL,SEATING CUP 2 3/8" 8RD EUE		1	83.69	83.69
				70-1		X 12" API, 1.780" I.D.		1	22.95	22.95
				R625TDAFTA		TUBING, COUPLING, 2-3/8" EUE J		1	54.27	54.27
				LAB-D		55		1	15.00	15.00
				LAB-E		19mm Tenaris D FST		1	20.00	20.00
				LAB-Q		DATA COLLECTION		1	200.00	200.00
						ENVIRONMENTAL + SHOP SUPPLIES		1		
						Q2 ALS SERVICE CHARGE		1		
SubTotal:									1,889.40	
Freight Charges:									56.68	
Tariff Charges:									72.83	
GST # 732465927RT0001 - GST (5.0000%):									97.30	
Please Pay This Amount (CDN):									2,116.21	



Reason for Pulling:	Tubing String Problem	PS No	11-28808
Secondary Reason:		Pump Description After:	20-150-RWAC-14-03-00-00
Pump Failure Cause:	None	Accessories Codes:	FRAC PM, UPG BHP
Second Pump Failure:		After Maximum Stroke:	116.0000
Foreign Material:		To WellSite:	00-00-000-00 W0 / (100) 09-01-039-03 W4

Pumpsheet Notes: REPAIR OF BHP FROM 100/9-1-39-3-W4 (TUB FAL) Barrel had several large rings of internal corrosion through length. Plunger was lightly scored externally on top foot, worn badly on top half, converted to Frac Plunger as requested. Both cages held vacuum test. Both valves held with air on vacuum test. Top check plunger and seat were worn on seal faces. Repaired bhp and returned to lease. ***Supplied new 2-3/8" API PSN and collar and a 3/4" Plain Grade D sucker Rod to lease.***



PUMPSHEET

Page 2 of 2

11-28808	Pump No: NOVWP-214	
		PUMPSHEET: 11-28808 Item No: 102FQ3-5 (PLUNGER, PIN END, Q-HARD 1-1/2" X 3', -.005 FIT) Disp: SCR (Scored/Abrasion) Comment: Plunger scored externally on top foot, also badly worn on top half.
		PUMPSHEET: 11-28808 Item No: 93A24 (NIPPLE, STRAINER 1" X 24") Disp: ECR (External Corrosion) Comment: Severe external corrosion present on strainer nipple

PLEASE REMIT TO:

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Terms: Net 30 days - WE ACCEPT VISA & MASTERCARD

06/06/2019 08:54 PM

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www.Q2als.com

Q2 ALS CORPORATE OFFICE CANADA

7883 Edgar Industrial Way
Red Deer, AB T4P 3R2 Canada
P: 403.343.8802
E: sales@Q2als.com

Q2 ALS CORPORATE OFFICE USA

3611 Hwy 158
Midland, TX 79706
P: 432.685.2600
E: sales@Q2als.com