



USER GUIDE- Web

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STARTING REVO TESTING TECHNOLOGY AND LOGGING IN

To start REVO App, open Google Chrome browser and go to [REVO Application](#).

Before you can log in to REVO App, REVO Testing Technology's administrator must give you a user login and password to log in to the system.

LOGIN

Enter your user id and password to login

The image shows the login interface for REVO TESTING TECHNOLOGIES. At the top, the company name is displayed in a large, bold, white font, with the word 'REVO' in white and 'TESTING' in white, and 'TECHNOLOGIES' in a smaller, orange font below it. The 'O' in 'REVO' is replaced by an orange flame icon. Below the logo, there are two input fields: 'Username' and 'Password', both with light gray borders. Below the 'Password' field is an orange 'Login' button with white text. To the right of the 'Login' button is a link that says 'Forgot Password' in white text. The entire login form is set against a dark gray background.

FORGOT PASSWORD

By clicking on Forgot Password on the login screen, the user will be prompted to enter user id. Reset password link will be sent via email to your registered email address.

NAVIGATION

The REVO App consists of the following areas:

- Header
- Toolbar
- Left navigation
- Work area

The screenshot displays the REVO TESTING application interface. The header area includes the logo, a user profile icon, and a 'Logout' button. The toolbar contains a 'Wells' button, an 'Add Well' button, and a 'Well Search' input field. The left navigation pane features icons for 'Wells', 'Accounts', 'Users', 'My Profile', 'Support', and 'Feedback'. The main work area shows a table of wells with columns for Name, Last Reading, Choke Size, WHP, BHP, MCFH (gas), BOPH (Oil), BWPH (H2O), Chloride, GOR, Oil Cut, and %LFR. The table lists four wells: Blue Topaz 251-252W #1H, NWR 513H, InfodatTestWell, and DemoWell. The 'DemoWell' row is highlighted. A callout box labeled 'Header' points to the top right area. A callout box labeled 'Toolbar' points to the 'Well Search' input field. A callout box labeled 'Left Navigation' points to the 'My Profile' icon. A callout box labeled 'Work Area' points to the table of wells.

Name	Last Reading	Choke Size	WHP	BHP	MCFH (gas)	BOPH (Oil)	BWPH (H2O)	Chloride	GOR	Oil Cut	%LFR
Blue Topaz 251-25...	07/10/19 06:00	52	1405	0	93	68	324	25387	1371	17.3	16
NWR 513H	07/03/19 06:00	14	1120	1625	36	3	48	41482	11867	5.9	
InfodatTestWell	04/21/19 04:00			4433				112			
DemoWell	04/07/19 11:00	26	1220	3457	64	24	18	13900	2681	57.1	15

HEADER

In the top right corner, you will find the user email and the logout button. Clicking on Logout button will end your current session.

TOOL BAR

The system toolbar is located directly under the site's header and contains + Add Well and Well Search bar.

LEFT NAVIGATION

This will allow you to navigate to the following sections of the application:

- Wells
- Accounts
- Users
- My Profile
- Support
- Feedback

NOTE: Navigation options will vary based on your user role.

WORK AREA

This section will vary based on where you are within the application.

The screenshot displays the REV TESTING TECHNOLOGIES application interface. The interface is divided into several sections:

- Header:** Located at the top right, it contains the user email "AdminRevo@revotest.com" and a "Logout" button.
- Toolbar:** Located below the header, it contains a "Well Search" bar and a "+ Add Well" button.
- Left Navigation:** A vertical sidebar on the left side of the page, containing icons and labels for "Wells", "Accounts", "Users", "My Profile", "Support", and "Feedback".
- Work Area:** The main content area of the application, displaying a table of wells.

The table in the Work Area is titled "Wells" and has a sub-header "Recently Viewed". It lists four wells: "Blue Topaz 251-252W #1H", "DemoWell", "InfodatTestWell", and "NWR 513H". The table has columns for "Name", "Last Reading", "Choke Size", "WHP", "BHP", "MCFH (gas)", "BOPH (Oil)", "BWPH (H2O)", "Chloride", "GOR", "Oil Cut", and "%LFR".

Name	Last Reading	Choke Size	WHP	BHP	MCFH (gas)	BOPH (Oil)	BWPH (H2O)	Chloride	GOR	Oil Cut	%LFR
Blue Topaz 251-25...	07/10/19 06:00	52	1405	0	93	68	324	25387	1371	17.3	16
NWR 513H	07/03/19 06:00	14	1120	1625	36	3	48	41482	11867	5.9	
InfodatTestWell	04/21/19 04:00			4433				112			
DemoWell	04/07/19 11:00	26	1220	3457	64	24	18	13900	2681	57.1	15

At the bottom of the table, there is a pagination bar showing "1 - 4 of 4 items".

WELLS

The Wells page shows the list of wells users have access to. Clicking on a well will take the user to well details.

- Well screen lists all wells user has access to.
- Well section has two views: Active or All Wells. Active Well selection will show all wells that are in Active status. All Wells will show all available wells.
- Clicking on Name or Last Reading will sort data in ascending or descending order.
- Search bar will allow user to search by well name, API number, County and State.
- Recently Viewed displays last 5 wells visited.
- To create a new well click “Add Well” button which will navigate to a new well page.

AdminRevo@revotest.com

Wells

Well Search

Recently Viewed

InfodatTestWell

Blue Topaz 251-252W #1H

DemoWell

NWR 513H

Active Wells

All Wells

Name	Last Reading	Choke Size	WHP	BHP	MCFH (gas)	BOPH (Oil)	BWPH (H2O)	Chloride	GOR	Oil Cut	%LFR
Blue Topaz 251-25...	07/10/19 06:00	52	1405	0	93	68	324	25387	1371	17.3	16
NWR 513H	07/03/19 06:00	14	1120	1625	36	3	48	41482	11867	5.9	
InfodatTestWell	04/21/19 04:00			4433				112			
DemoWell	04/07/19 11:00	26	1220	3457	64	24	18	13900	2681	57.1	15

1 - 4 of 4 items

Support

Feedback

ADD NEW WELL

This page will allow administrator to add a new well.

REVO TESTING
TECHNOLOGIES

Admin@revo@revoind.com Logout

Wells

Accounts

Users

My Profile

Add Well

Wells

Well Information

WELL *
STATE
COUNTY

ACCOUNT *
--select--
FORMATION
API#

TEST START DATE TIME *
year-month-day hour:minute AM
TIMEZONE
(UTC-06:00) Central America Standard Time
LATITUDE *
LONGITUDE *

Main Point of Contact

ACCOUNT
--select--
REVO
--select--

Well Inputs

FORMATION THICKNESS (FTVD)
CASING/TUBING ID (IN.)
CLUSTERS PER STAGE
CLOSURE STRESS GRADIENT (PSI/FT)
H2O SALINITY
MOLE % H2S
OIL API GRAVITY
FLOW PATH
--select--
ANTICIPATED GOR

FINAL STAGE (HEEL) MD (FT)
TOTAL FEET COMPLETED (FT)
TOTAL LOAD TO RECOVER (BBLs)
EST. RESERVOIR PRESSURE (P*)
H2O GRAVITY
MOLE % CO2
WATER SATURATION (%)
H2S MEASUREMENT UNIT
BHP MEASUREMENT AVAILABLE
--select--

FINAL STAGE (HEEL) TVD (FT)
NUMBER OF STAGES
TOTAL PROPPANT (LBS.)
BOTTOM HOLE TEMP. (DEGF)
DRY GAS SPECIFIC GRAVITY
MOLE % N2
POROSITY (%)
SAND MEASUREMENT TYPE
--select--
3RD PARTY FLOWBACK PROVIDER
--select--

Well Analysis Results

RESERVOIR PRESSURE (P*)
HYDROCARBON PERMEABILITY (KHQ)
INITIAL PRESSURE (Pi)
HYDROCARBON SYSTEM FRAC HL(XFHQ)
RESERVOIR PRESSURE GRADIENT (P.G.)
ACTIVE
#

Contact Information

DAY WELL TEST HAND
NIGHT WELL TEST HAND
SUPERVISOR

PHONE
PHONE
PHONE

Assign User

SELECT USER
Add

Assigned Users

First Name	Last Name	User Name	Account Name	Role
No records available.				

Support

Feedback

Delete

Close

Create

WELL DETAILS

Wells details include the following pages that can be selected from top navigation:

- Well Info (default)
- Dashboard
- Data
- Data Entry
- Last reading date and Time
- Edit Well
- Export

WELL INFO

This screen displays the latest information about the well and has two sections - Latest Information and Well Information.

REVOTESTING
TECHNOLOGIES

AdminRevo@revotest.com Logout

Well Info - Blue Topaz 251-252W #1H Dashboard Data Data Entry Last Reading - 07/10/19 06:00

Wells

Accounts

Users

My Profile

Support

Feedback

LATEST INFORMATION

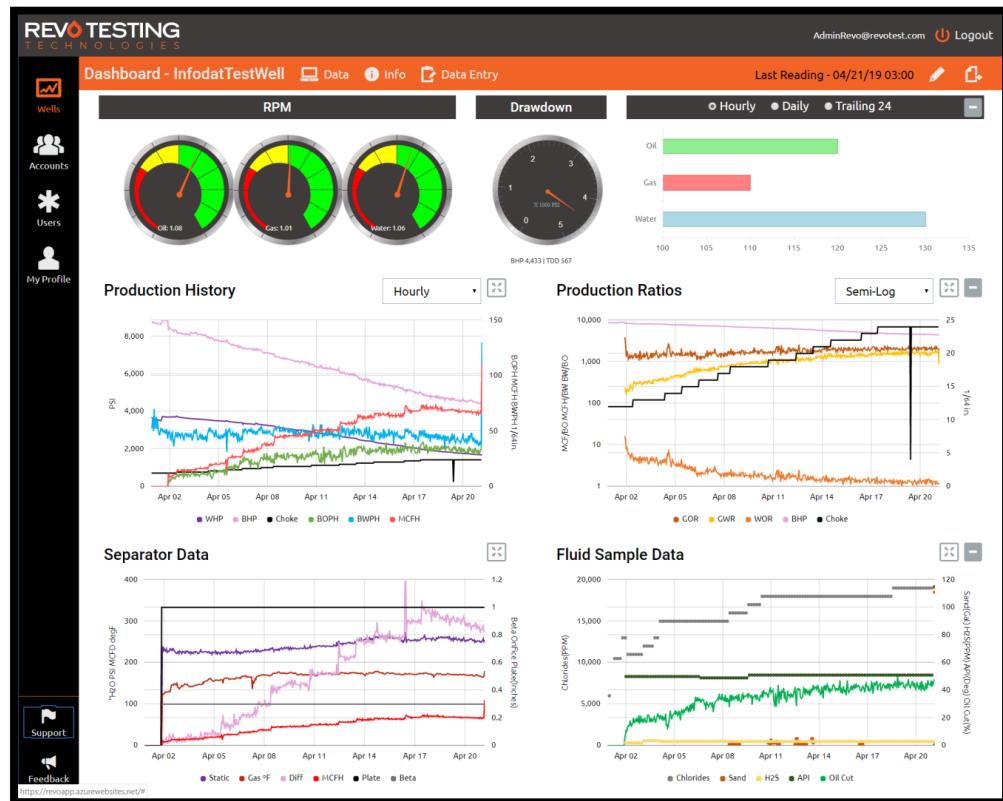
Last Reading	07/10/19 06:00
Days On Test	24 days
Choke Size	52 1/64th"
WHP	1,405 PSI
BHP	0 PSI
BOPH	68 bbls
Oil Last 24 Hours	1,642 bbls
Cumulative Oil	18,516 bbls
MCFH	93 mcf
Gas Last 24 Hours	2,241 mcf
Cumulative Gas	24,576 mcf
BWPH	324 bbls
H2O Last 24 Hours	8,010 bbls
Cumulative Water	92,691 bbls
%LFR	16 %
Gas Oil Ratio (GOR)	1,371 mcf/bbl
Oil Cut %	17.3 %
Chlorides	25,387 ppm
H2S	ppm
Sand Rate	0 gal/hr
Oil API	

WELL INFORMATION

Company	Primexx Energy Partners
Well Name	Blue Topaz 251-252W #1H
API Number	42-389-37374
County	Reeves
State	TX
Formation	Upper Wolfcamp C
First Reading Date	06/17/2019
First Reading Time	21:00:00 PM
Key Well Test Personnel	
Service Provider	
Day Well Test Hand	Jared Hughes
Phone #	361-405-9763
Night Well Test Hand	Kevin Robicheaux
Phone #	337-849-1221
Field Supervisor	Justin Boddy
Phone #	580-216-7357
Revo Testing Supervisor Contact	Darryl Tompkins
Phone #	
Key Operator Personnel	
Company Representative	Sam Blatt
Phone #	

DASHBOARD

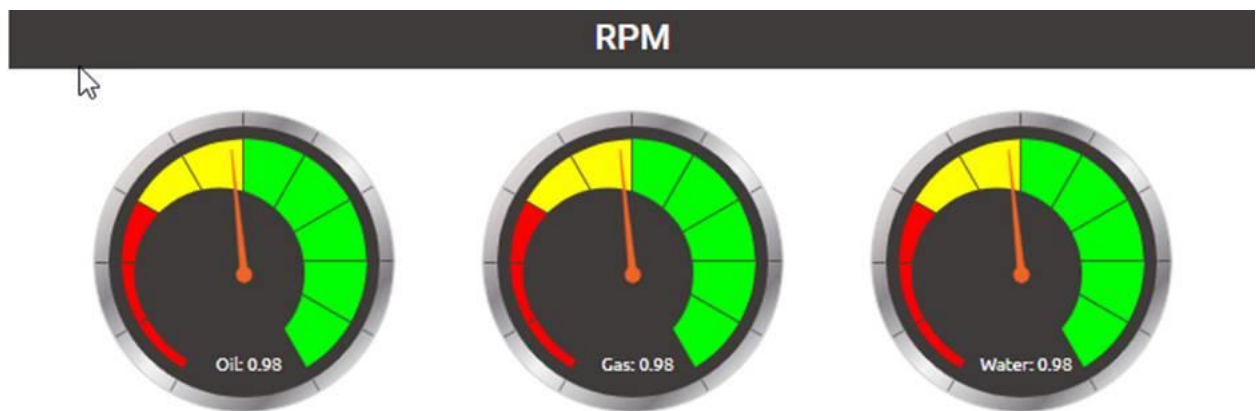
Clicking the Dashboard will navigate to the KPI and Chart page.



This section of the dashboard shows key metrics about the well and has three sections - RPM, Drawdown, and Production History.

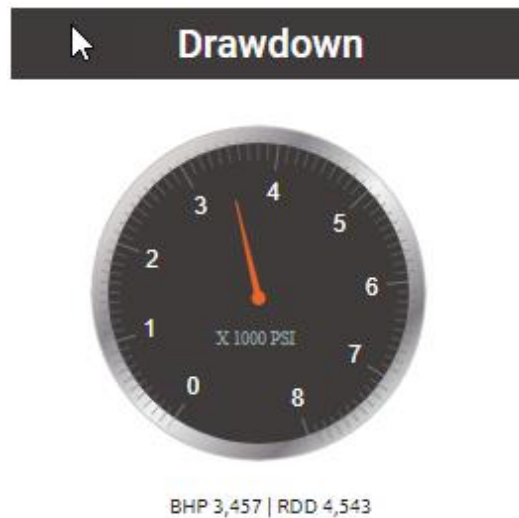
RPM

- The RPM gauges show current calculated RPM value for Oil, Gas and Water.
- RPM is a measure of the relative increase in production for each phase over the trailing 24-hour period calculated as the current 24-hour flow rate relative to the previous 24-hour flow rate. The 24-hour flow rate is calculated as the total flow over a 24-hour period with the trailing 24-hour flow rate calculated as the total flow over the past 24 hours.



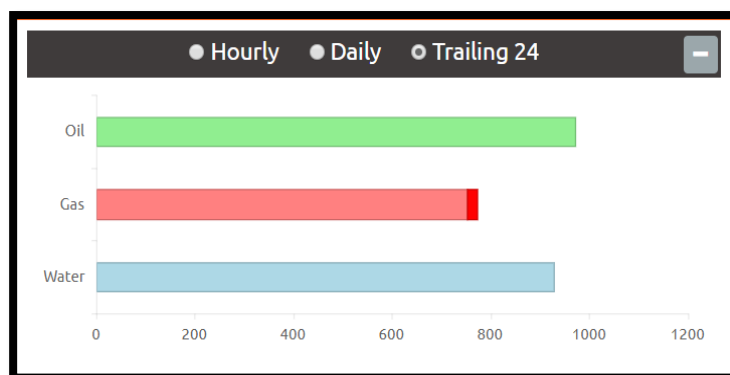
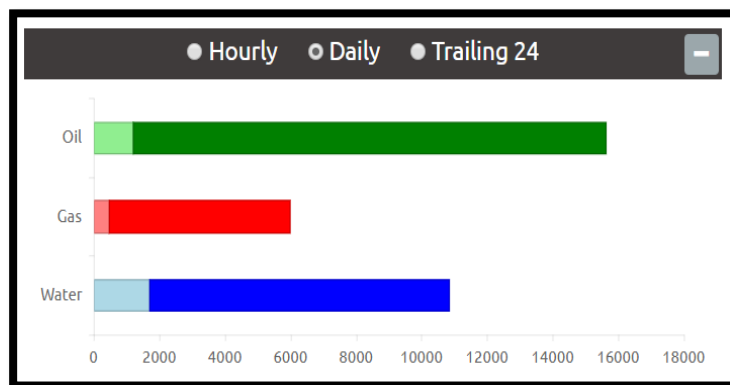
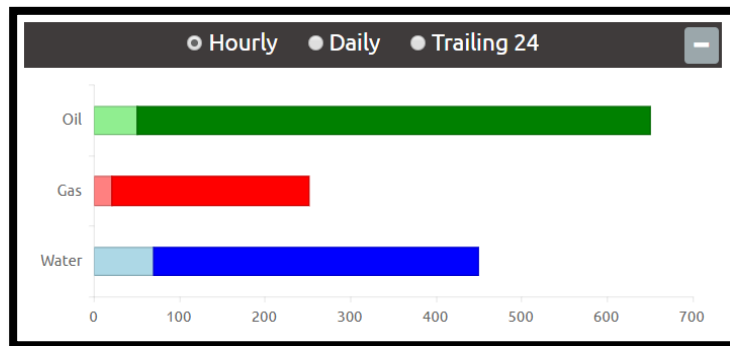
DRAWDOWN

- The Drawdown gauge displays the current calculated bottomhole pressure (BHP) reading for the well in PSI.
- The scale on the Drawdown gauge ranges from 0 to calculated initial BHP of the well.
- Labels at the bottom shows current BHP and its relation to calculated initial and reservoir pressure. TDD is defined as the total drawdown from initial pressure to current calculated BHP. RDD is defined as the drawdown from calculated reservoir pressure to current calculated BHP.



PRODUCTION: HOURLY -DAILY -TRAILING 24

- Production shows Hourly, Daily and Trailing 24-hour readings for Oil, Gas and Water. Each chart shows current value and maximum value for the well.
- To navigate to different production view, click on Hourly or Daily or Trailing 24 checkbox.

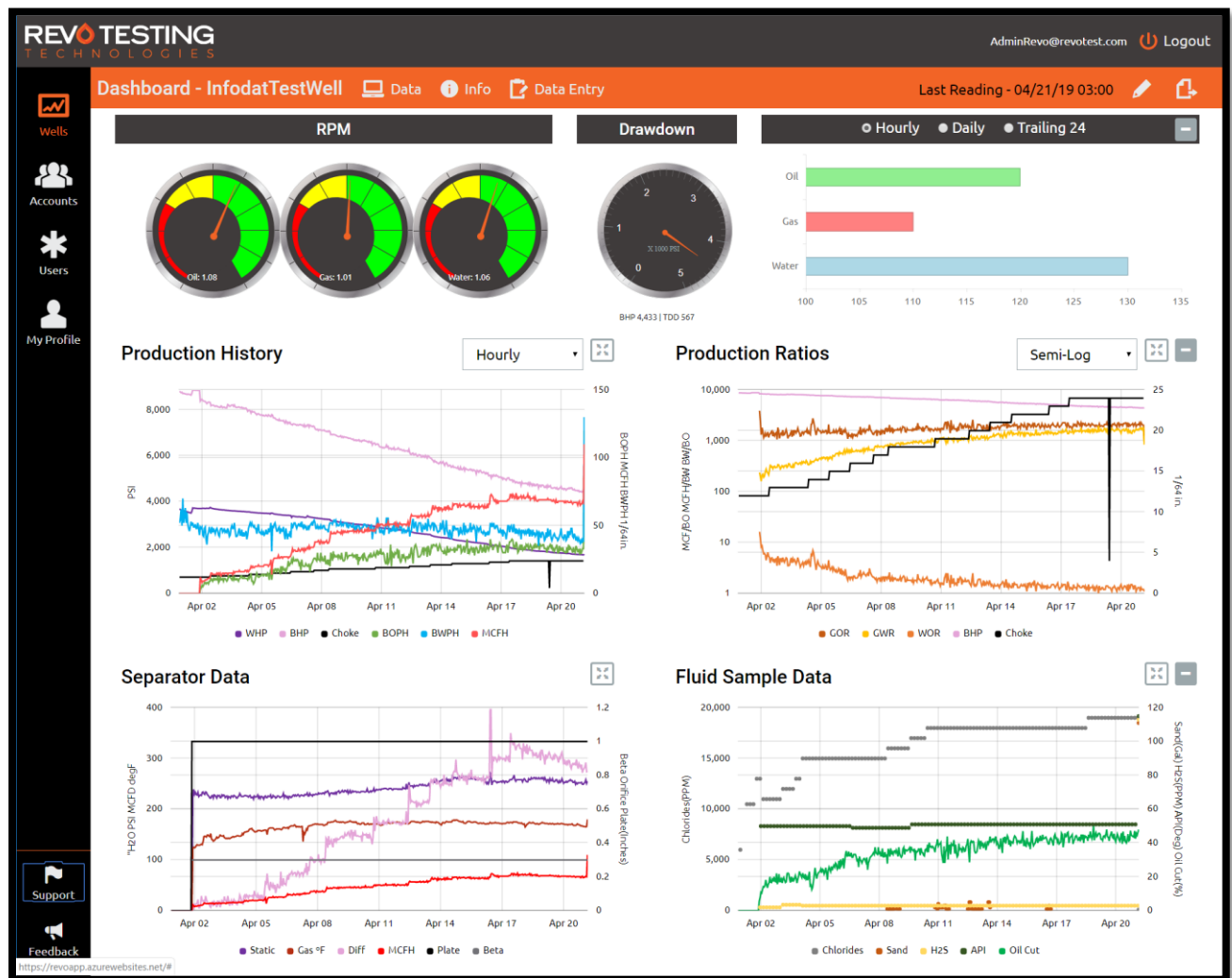


CHART

This screen allows user to chart all available data for the well.

Available charts are:

- Production History
- Production Ratios
- Separator Data
- Fluid Sample Data

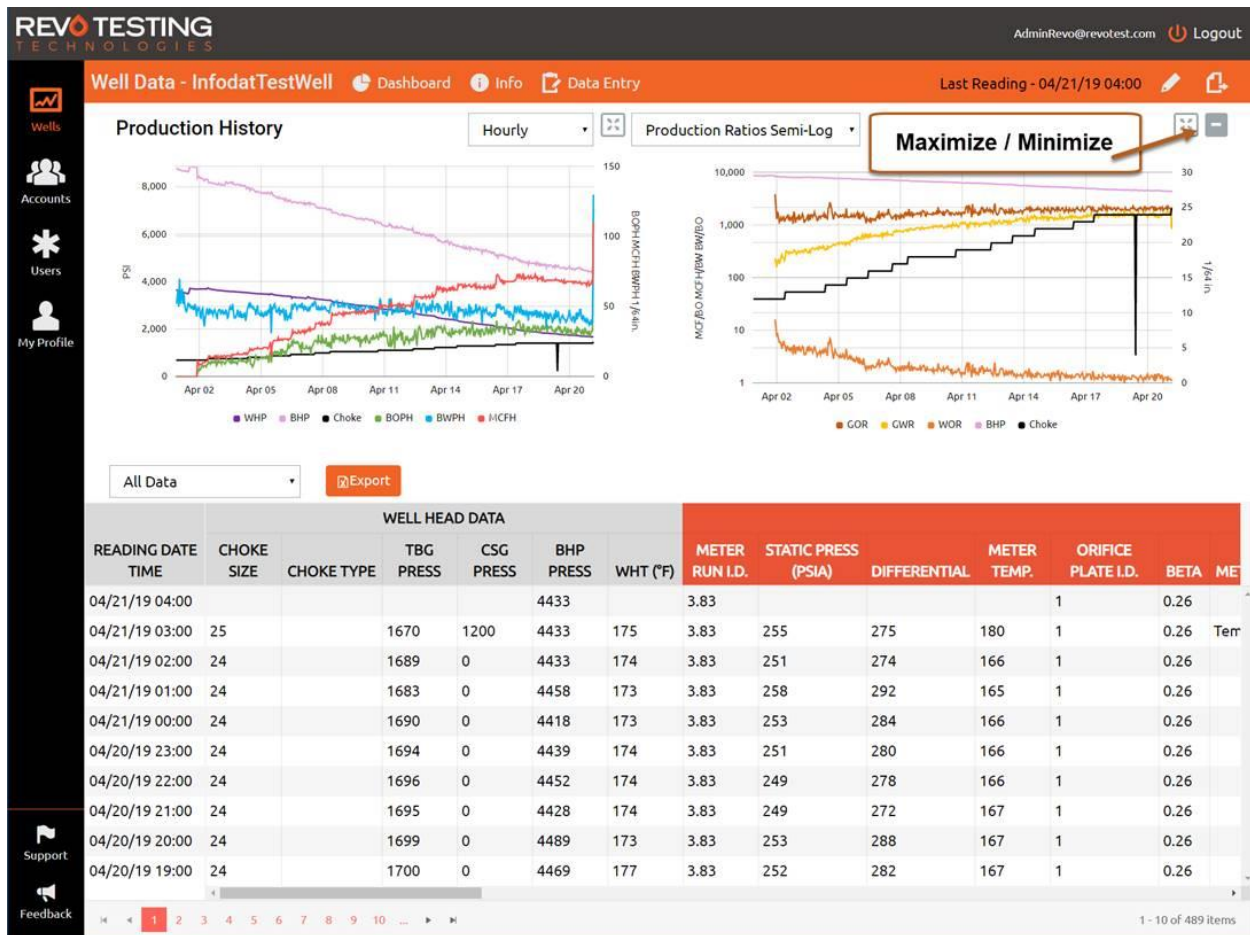


WELL DATA

This screen allows user to view all available data for the well in tabular format.

Available views are:

- Customer Summary
- Customer Data
- All Data
- Data Entry



DATA ENTRY

This screen allows user to view entered data and manage data records for a well.

READING DATE TIME	EDIT / DELETE	REMARKS	WELL HEAD DATA						GAS DATA				
			CHOKE SIZE	CHOKE TYPE	TBG PRESS	CSG PRESS	BHP PRESS	WHT (°F)	METER RUN I.D.	STATIC PRESS (PSIA)	DIFFERENTIAL	METER TEMP.	ORIFICE PLATE I.D.
06/24/19 06:00	✓ EDIT ✕ DELETE	emptie...	15		0	3078	7376	127	3.07	107	76	99	0.88
06/24/19 05:00	✓ EDIT ✕ DELETE	Emptie...	15		0	3080	7380	126	3.07	108	85	101	0.88
06/24/19 04:00	✓ EDIT ✕ DELETE		15		0	3083	7394	126	3.07	108	90	104	0.88
06/24/19 03:00	✓ EDIT ✕ DELETE		15		0	3091	7393	126	3.07	108	79	102	0.88
06/24/19 02:00	✓ EDIT ✕ DELETE		15		0	3088	7404	126	3.07	108	82	102	0.88
06/24/19 01:00	✓ EDIT ✕ DELETE		15		0	3093	7419	126	3.07	107	79	104	0.88
06/24/19 00:00	✓ EDIT ✕ DELETE		15		0	3094	7403	125	3.07	107	70	104	0.88
06/23/19 23:00	✓ EDIT ✕ DELETE	emptie...	15		0	3091	7415	124	3.07	107	77	104	0.88
06/23/19 22:00	✓ EDIT ✕ DELETE	Emptie...	15		0	3092	7417	125	3.07	106	61	106	0.88
06/23/19 21:00	✓ EDIT ✕ DELETE		15		0	3093	7433	126	3.07	106	61	110	0.88

- The data entry tab will have a +Add Reading button, which will allow a user to Add Well Reading
- Clicking Edit / Delete, will allow the user to Edit or Delete selected record.
- You can also click on an existing reading to edit.
- Text that does not fit in the cell, will include a tooltip.

Well Data Entry - DemoWell

Dashboard

Data

Info

Last Reading - 04/07/19 11:00

Production History

+ Add Reading

READING DATE
TIME

EDIT / DELETE

REMARKS

CHOKE
SIZE

CHOKE
TYPE

TBG
PRESS

CSG
PRESS

BHP
PRESS

WHT
(°F)

STATIC
PRESS
(PSIA)

DIFFERENTIAL

METER
TEMP.

ORIFICE
PLATE
I.D.

METER
TYPE

GAS RATE
(MCF/H)

OIL RATE
(BBL5/HR)

H2O RATE
(BBL5/HR)

04/07/19 10:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3457

178

4.03

470

30

160

1.5

64.33

24

18

04/07/19 09:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3456

178

4.03

470

30

160

1.5

60.56

24

19

04/07/19 08:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3399

177

4.03

470

30

160

1.5

59.36

25

19

04/07/19 07:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3419

177

4.03

470

30

159

1.5

62.07

26

22

04/07/19 06:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3466

176

4.03

470

30

153

1.5

63.11

27

19

04/07/19 05:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3398

175

4.03

470

30

159

1.5

59.31

24

19

04/07/19 04:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3440

174

4.03

460

30

159

1.5

60.02

25

18

04/07/19 03:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3462

174

4.03

470

30

159

1.5

62.06

27

17

04/07/19 02:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3471

174

4.03

470

30

159

1.5

63.24

25

21

04/07/19 01:00

✓ EDIT ✕ DELETE

Flowing...

26

0

3461

175

4.03

460

30

161

1.5

60.01

24

21

1

2

3

4

5

6

7

8

9

10

...

▶

1 - 10 of 160 items

EDIT WELL

To edit well, select the pencil icon on the top right corner of the well details' navigation. Update any fields and click Save. You may also select Update and Recalculate if you want to reevaluate the back-end calculated data.

This page is also used to assign a well to the user. Type the user name in Assign User section and click Add. Un-checking can be used to remove users access to the well.

NOTE: When a new user is assigned to a well, system will send assigned well email to the user's email address.



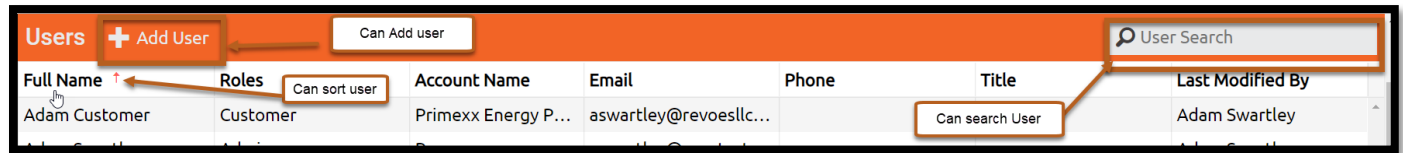
EXPORT

To export data in Excel format, select the Export icon at the top right corner. Clicking on the button will export an Excel file, and is usually stored in Download folder of your computer. File name of the excel contains well name and date/time it was created.



USERS

This screen allows administrator to view all users in the system.



- From left Panel clicking Users Tab will navigate to the Users page.
- Search user by Name
- Sort by Name, Account Name, Email or Title.
- To add a new user, click the + Add User Icon and fill out required fields.
- Click on existing user to edit.

ADD/EDIT USER PAGE

REVOTESTING TECHNOLOGIES AdminRevo@revotest.com Logout

Add User * Users

Information

FIRST NAME * MIDDLE NAME LAST NAME *

EMAIL * PHONE FAX

AdminRevo@revotest.com

TITLE TIMEZONE * (UTC-06:00) Central America Standard Time

Role & Account

ROLE * ACCOUNT * ACTIVE

--select-- --select--

PASSWORD * YES, SEND THE USER EMAIL NOTIFICATION EXPIRATION

month/day/year

Well Information

Well Name API# County Account Name

No records available.

0 - 0 of 0 items

Audit

CREATED BY ADMIN REVO CREATED DATE JUL 8, 2019, 12:18:35 PM MODIFIED BY ADMIN REVO

MODIFIED DATE JUL 8, 2019, 12:18:35 PM

Delete Close Create

- All fields with an asterisk are required fields and must be filled out to create a new user.
- Clicking Create button on the bottom will create a new user.
- Clicking Close button will navigate back to user screen.

- Clicking Delete will delete the user.

NOTE: When **YES, SEND THE USER EMAIL NOTIFICATION** is selected, new user email is sent to users email address by the system.

ACCOUNTS

This screen allows administrator to view all accounts in the system.

Account Name	Account Type	Full Address	Full Name	Email	Phone	Active	Last Modified By
Infodat-Test	Customer					true	Admin ...
Permian Account	Customer		Admin Revo	AdminRevo@revotest.com		true	Admin ...
PetroEdge Energy IV	Customer	2925 Br...	Kirk Deshotels	KDeshotels@petroedge.com	8325446...	true	Adam S...
Primexx Energy Partners	Customer	4849 Gr...				true	Adam S...
Revo	Internal	650 N S...				true	Admin ...

- Account list includes Account Name, Account Type, Full Address, Full Name, Email, Phone, Active, Last Modified By.
- Search will filter account based on account name.
- Sort by Account Name, Account Type, Full Name, or Email.

ADD/EDIT ACCOUNT

Add Account will allow administrator to add a new account to the system. Account can be of three types: Customer, Third Party or Internal.

Add Account Accounts

Information

ACCOUNT NAME * ADDRESS 1

ACCOUNT TYPE * --select--

ADDRESS 2 CITY STATE

ZIP ACTIVE

☒

Audit

CREATED BY SHITAL GAGLANI
MODIFIED DATE JUL 3, 2019, 10:44:06 AM
CREATED DATE JUL 3, 2019, 10:44:06 AM
MODIFIED BY SHITAL GAGLANI

Close Create

- Fill out required fields and Click Create.
- All fields with an asterisk are required fields and must be filled out to create a new account.
- Clicking Close will navigate back to Wells screen.

MY PROFILE

My profile page will allow you to change your personal information.

My Profile

Information

FIRST NAME * LAST NAME * PHONE

Test User 1231231230

PASSWORD CONFIRM PASSWORD

Close Update

- This tab will allow you to modify or change your First Name, Last Name, Phone Number and Password.
- Be sure to select Update once you have confirmed your changes.

SUPPORT

Support page shows email and phone number to contact REVO for help.



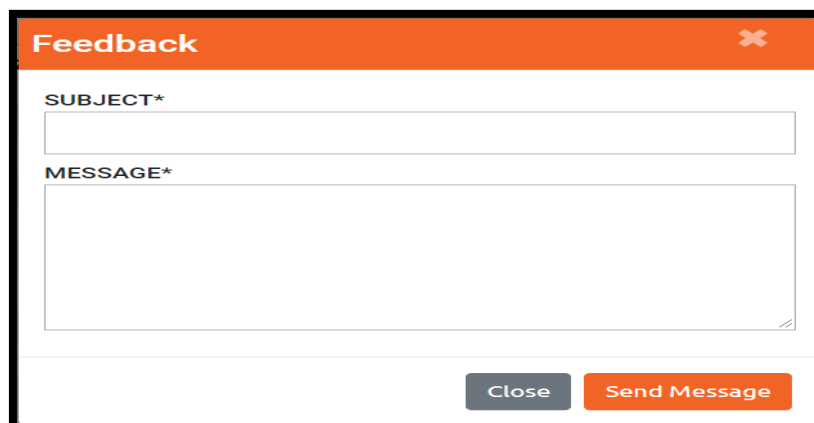
A dialog box titled "Support" with an orange header bar and a close button (X) in the top right corner. The main content area is white and contains the following text:

EMAIL
support@revotest.com

CALL
303-919-1251

FEEDBACK

Feedback pages allows you to send feedback to help improve the product to REVO. Enter the subject and message to send.



A dialog box titled "Feedback" with an orange header bar and a close button (X) in the top right corner. The main content area is white and contains the following form elements:

SUBJECT*

MESSAGE*

At the bottom right, there are two buttons: a grey "Close" button and an orange "Send Message" button.