

# REPORTING

Custom Reporting can be built and utilized within Zedi Access under Reports- Report Center. These report templates can be used for multiple locations and are customizable for graphing and spreadsheets. Multiple sensors (Up to 6) can be graphed or reported in one spreadsheet. You can save these reports as favorites to access them through the well site display or you can run them as a slideshow presentation. Reports can be made private or shared with an entire company.

Pre-built Reports that are strictly data and cannot be customized can be found under Data, Data Exports.

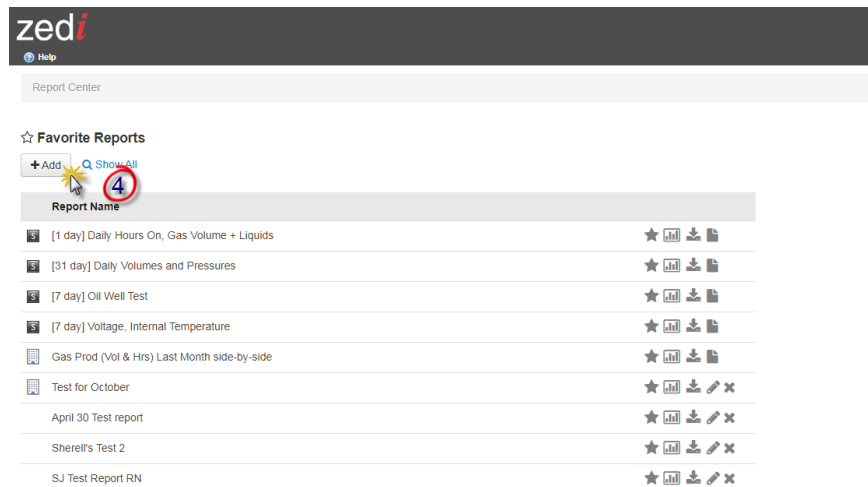
## CREATING A NEW REPORT

1. Select a location that has the sensor types you would like to include in your report.
2. Click on the Reports dropdown menu
3. Select Report Center.

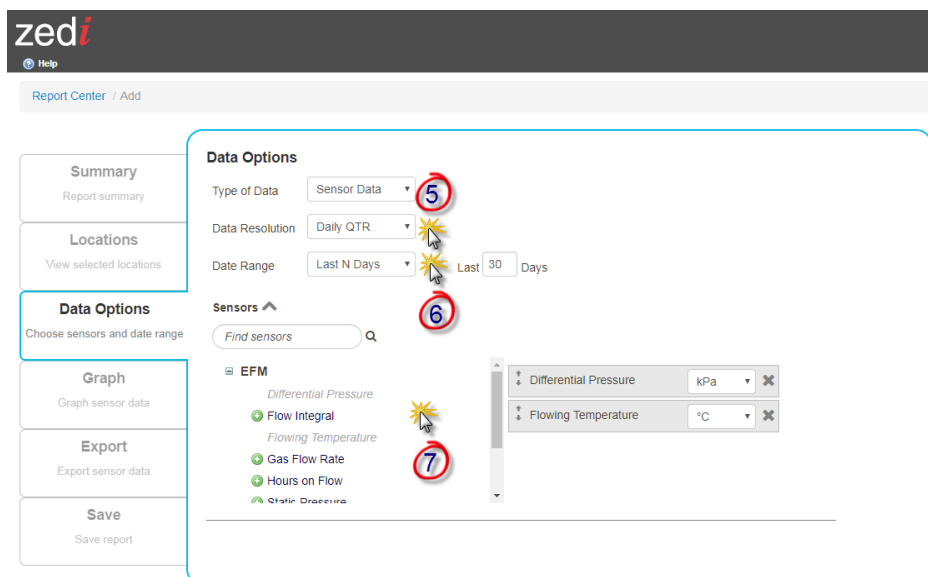


**Please Note:** All locations found within any Report within Report Center, are the locations you currently have selected and opened within the Well Tree Hierarchy.

## 4. Select Add



- This screen is only for the location that you have open. In Data Options select your Data Resolution; **Daily QTR, Hourly QTR, or Raw.**
- Select your Date Range; **Custom, Last N Days** (select the number of days that you are requiring), **Month-to-Date, Last Month.**
- Select the **Sensors** you would to report on from the list on the left. This is based on what sensors are set up for this location. Graphical reports can only display six sensors at a time. If you are unable to see the sensors you are looking for may be because:
  - The locations open do not contain the type of sensor you are wishing to build the report for.
  - The location sensor names may be named differently from the sensor types. To find sensor type used per sensor please see below.



## Zedi Cloud SCADA Solutions



### 08-35-003-34 W1M Sales

UWI: 100083600334W100  
 Device Type: Smart-Alek (Online)   
 Serial Number: 207021  
 Last Transmission: 2020-03-03 15:54:33 (CCST)  
 Today 8:31 Hours Flowing Volume 7.55 E3M3  
 2020-03-02 24:00 Hours Flowing Volume 25.09 E3M3  
 Orifice Plate 2.000 in

● Gas Flow Rate 33.42 E3M3/Day  
 ● Static Pressure 53.13 psi  
 ● Differential Pressure 44.83 in H2O  
 ● Flowing Temperature 30.83 °C

- Configure Alarm
- Configure Location
- Data Entry
- Event Log
- Flow Parameters
- Instrument Log
- Location Properties
- Meter Reports
- QTRs
- Edit Location

Zedi Id 324912

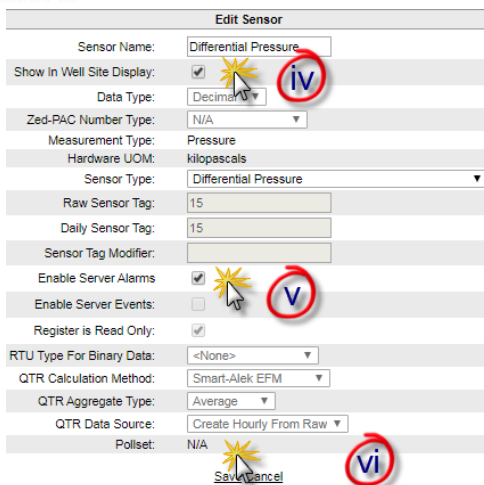
#### Sensors

● Internal Temperature 18.7 °C ● Voltage 7.34 V

- In the Well Site display, select the options pull down menu and **Configure Location**.

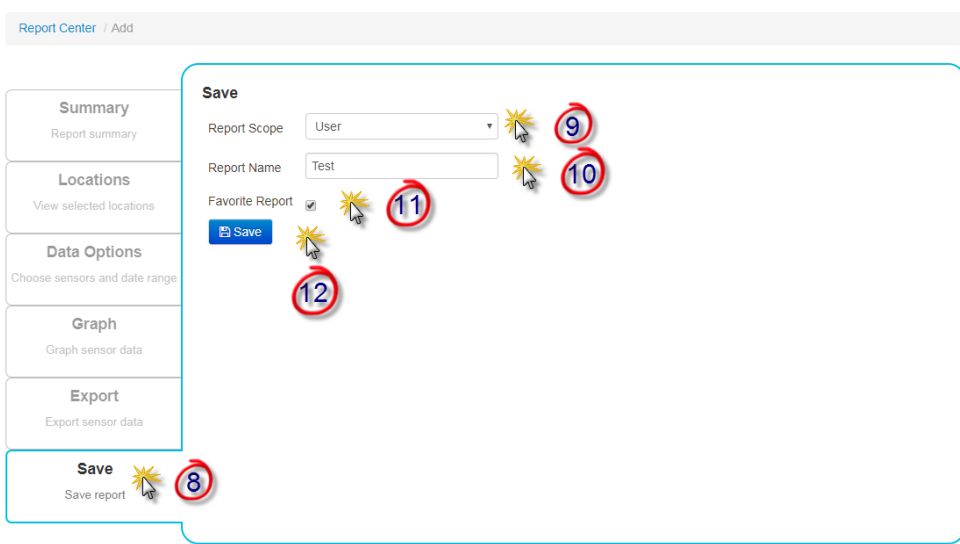
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Sensors	Multi-Company Access	Enumerations	Help	08-35-003-34 W1M Sales	
Name	Measurement	Sensor Type	Raw Tag	Display	
Daily Hours on Flow	Time	Hours on Flow	23	No	Edit
Differential Pressure	Pressure	Differential Pressure	15	Yes	Edit
Flow Integral	Pressure	Flow Integral	20	No	Edit
Flowing Temperature	Temperature	Flowing Temperature	13	Yes	Edit
Gas Flow Rate	Volume Rate	Gas Flow Rate	19	Yes	Edit
Internal Temperature	Temperature	Internal Temperature	17	Yes	Edit
Liquid Rate 1	Volume Rate	Liquid Rate 1	32	No	Edit
Liquid Rate 2	Volume Rate	Liquid Rate 2	33	No	Edit
Liquid Volume 1	Volume	Liquid Volume 1	28	No	Edit
Liquid Volume 2	Volume	Liquid Volume 2	29	No	Edit
No Flow Sample Count	Not a Measure	No Flow Sample Count	34	No	Edit
Sample Count	Not a Measure	Sample Count	21	No	Edit
Site Alarm 1	Not a Measure	Site Alarm 1	42	No	Edit
Site Alarm 2	Not a Measure	Site Alarm 2	43	No	Edit
Static Pressure	Pressure	Static Pressure	14	Yes	Edit
Voltage	Electric Potential	Voltage	16	Yes	Edit
Volume	Volume	Volume	18	No	Edit
Well Head Pressure 1	Pressure	Well Head Pressure 1	24	No	Edit
Well Head Pressure 2	Pressure	Well Head Pressure 2	26	No	Edit
Well Head Temperature 1	Temperature	Well Head Temperature 1	25	No	Edit
Well Head Temperature 2	Temperature	Well Head Temperature 2	27	No	Edit

- This screen will show all the sensors that are set up for this location. Yes or No in the **Display** indicates if this is active and displayed on the Well Site Display.
- Select **Edit** to change the display status.



Edit Sensor	
Sensor Name:	Differential Pressure
Show in Well Site Display:	<input checked="" type="checkbox"/>
Data Type:	Decimal
Zed-PAC Number Type:	N/A
Measurement Type:	Pressure
Hardware UOM:	kilopascals
Sensor Type:	Differential Pressure
Raw Sensor Tag:	15
Daily Sensor Tag:	15
Sensor Tag Modifier:	
Enable Server Alarms:	<input checked="" type="checkbox"/>
Enable Server Events:	<input type="checkbox"/>
Register is Read Only:	<input checked="" type="checkbox"/>
RTU Type For Binary Data:	<None>
QTR Calculation Method:	Smart-Alek EFM
QTR Aggregate Type:	Average
QTR Data Source:	Create Hourly From Raw
Pollset:	N/A
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

- iv. In the Edit Sensor screen, select Show in **Well Site Display**.
- v. Select Enable **Server Alarms**.
- vi. Select **Save** to complete. This sensor will now be on the Well Site display as well as in reporting.



Report Center / Add

**Summary**  
Report summary

**Locations**  
View selected locations

**Data Options**  
Choose sensors and date range

**Graph**  
Graph sensor data

**Export**  
Export sensor data

**Save**  
Save report

**Save**

Report Scope: User

Report Name: Test

Favorite Report: ☒

8. Click the **Save Tab**.
9. **Report Scope** allows you to select if you would like the report to be shared with the company or a report only accessible to your Zedi Access login.
10. **Name** the report.
11. Select **Favorite Report** if you would like the report available when you first open Report Center or on the Well Site Display.
12. Select **Save** to complete.

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Help

Report Center

☆ Favorite Reports


+ Add Show All

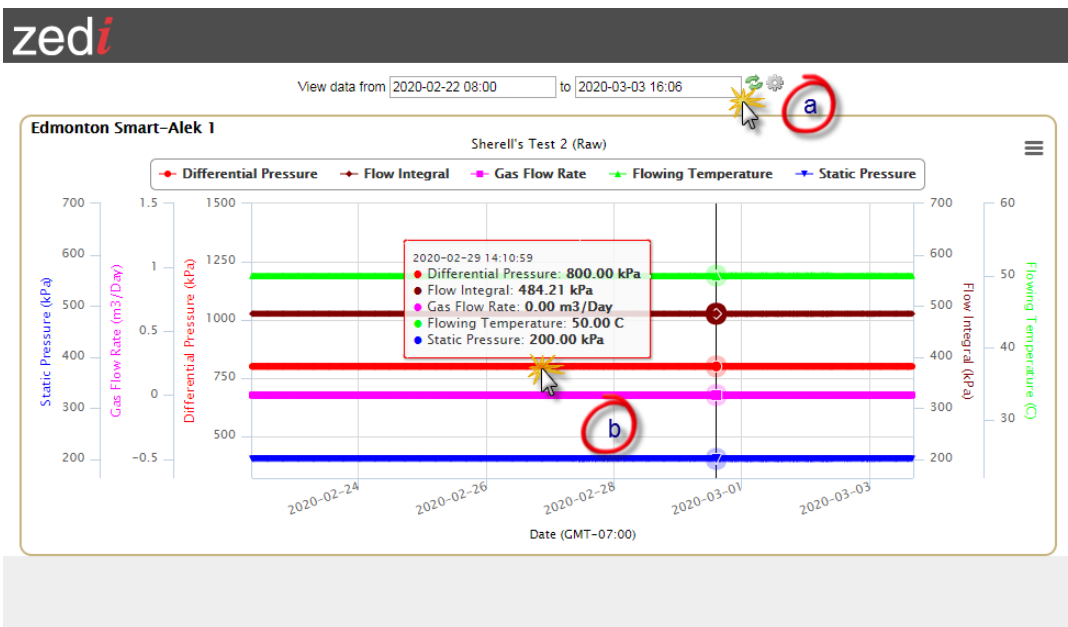
13

Report Name	Icons
[1 day] Daily Hours On, Gas Volume + Liquids	★ [Bar Chart] [Download] [Share]
[31 day] Daily Volumes and Pressures	★ [Bar Chart] [Download] [Share]
[7 day] Oil Well Test	★ [Bar Chart] [Download] [Share]
[7 day] Voltage, Internal Temperature	★ [Bar Chart] [Download] [Share]
Gas Prod (Vol & Hrs) Last Month side-by-side	★ [Bar Chart] [Download] [Share]
Test for October	★ [Bar Chart] [Download] [Edit] [Delete]
April 30 Test report	★ [Bar Chart] [Download] [Edit] [Delete]
Sherell's Test 2	★ [Bar Chart] [Download] [Edit] [Delete]
SJ Test Report RN	★ [Bar Chart] [Download] [Edit] [Delete]

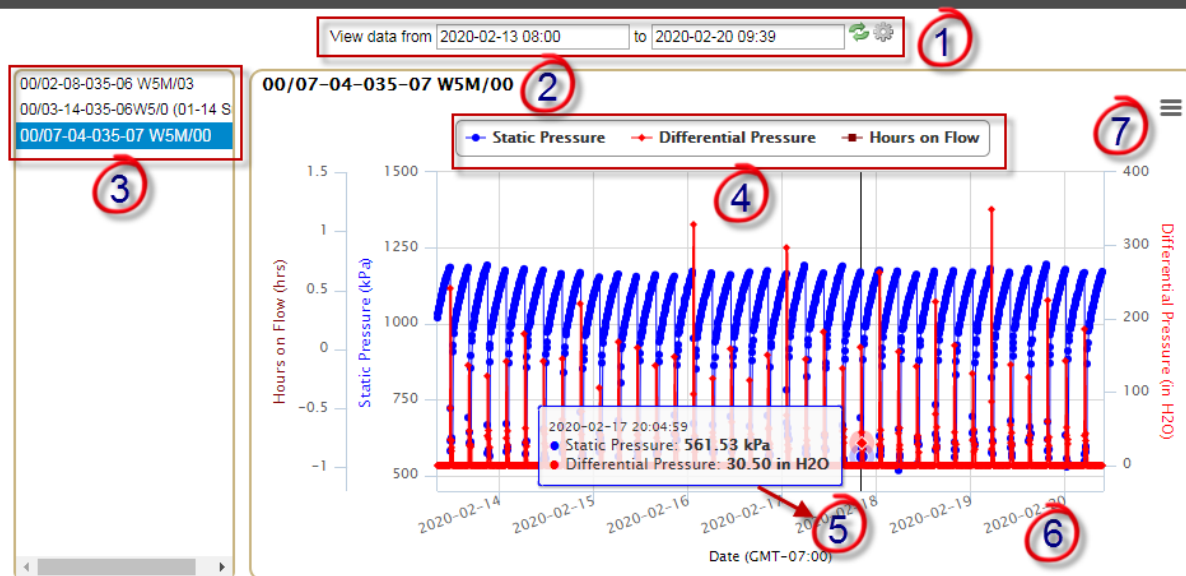
View Graph Export

13. To report on multiple locations for the same report go to the Report Center drop down. (same as step 2) Click on the graph or text-based icon.

- When you select graph  the below screen will appear. You can modify the date range.
- When hovering over the graph, the date, time, sensor type and readings will appear.

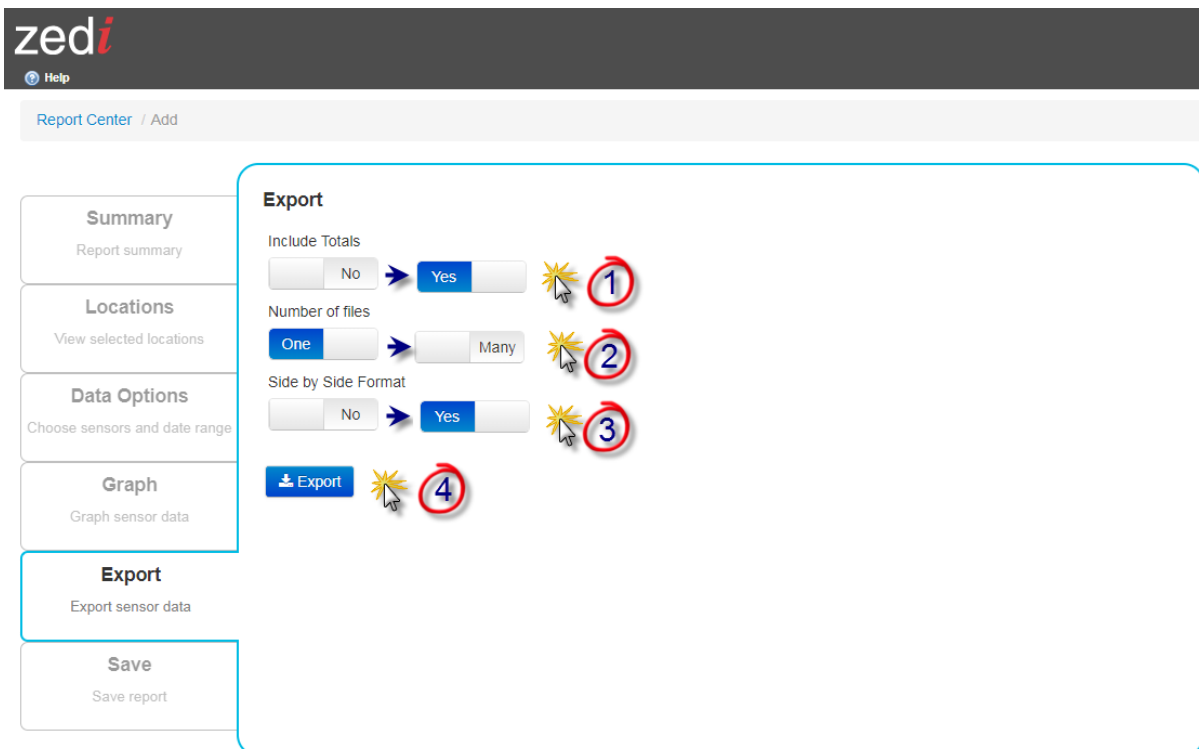


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1. View data from are the dates your report is reporting for. You can choose a different date by clicking on the date and selecting it from the calendar and selecting refresh.
2. This is the location you are currently viewing.
3. This is the list of locations you have selected and can view in the report. You can highlight all locations to graph multiple locations.
4. These are the sensors that this location is reporting. You can remove them temporarily from the graph by clicking on the name of the sensor.
5. Hover over each data point to see the values, date, and time.
6. Right click and drag with your mouse to zoom in on an area of the graph. To zoom out click the refresh button up at the top of the screen.
7. Pull down menu to print the graph and download in a PDF, JPEG, PNG or SVG.

In the Report Center Add Screen, you can select export, for the location(s) selected.



1. Select Yes/No if you would like to **Include Totals** for the export.
2. Select the **Number of Files** that you would like to export. When selecting **Many**, the site that are selected will be all exported in individual Excel sheets. When selecting **One**, only the first one will be exported to an Excel sheet.

Name	Type	Compressed size	Password ...	Size	Ratio	Date mod
0004-32-057-22 W4M	Microsoft Excel Comma S...	1 KB	No	1 KB	0%	3/4/2020 8
04-03-058-23 W5M	Microsoft Excel Comma S...	1 KB	No	1 KB	0%	3/4/2020 8
Edmonton Smart-Alek 1	Microsoft Excel Comma S...	1 KB	No	3 KB	92%	3/4/2020 8
Smart-Alek V2X Demo	Microsoft Excel Comma S...	1 KB	No	1 KB	0%	3/4/2020 8

3. Side by Side Format will show the sensors side by side in the Excel sheet.

Location	Edmonton Smart-Alek 1	Edmonton Smart-Alek 1	Edmonton Smart-Alek 1
UWI	Edmonton Smart-Alek	Edmonton Smart-Alek	Edmonton Smart-Alek
Date Time	Gas Flow Rate (m3/Day)	Flowing Temperature (C)	Differential Pressure (kPa)
2/3/2020	0	50	800
2/4/2020	0	50	800
2/5/2020	0	50	800

4. Select **Export** to obtain the report. This will export in an Excel format.
  - a. You can also select favored reports, available on the Well Site Display under the Graph or Export button.

## Zedi Cloud SCADA Solutions

### RUNNING A DATA EXPORT

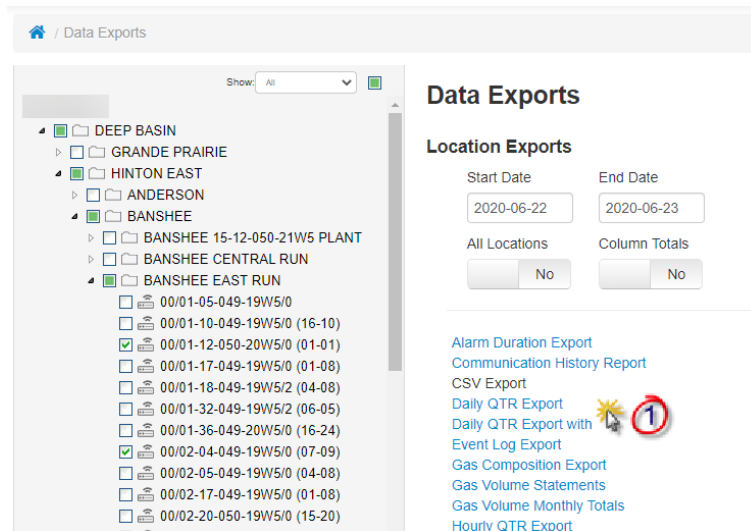


1. Click on the **Data** dropdown menu and select **Data Exports**.
2. Select your location(s) from the **Well Tree** you would like to export. The data will be presented in an Excel file format and all the information is prebuilt. The report cannot be generated without selecting at least one location.
  - Some reports only work when selecting one location at a time, the reports in black are not available when selecting multiple locations
3. Select the **Start and End** date for your report.
4. Select **All Locations** (Yes/No) this will show all locations the user has access to.
5. Select **Column Totals** (Yes/No) this will total columns in the report.
6. Select **Include 3<sup>rd</sup> Party Locations** (Yes/No) this will include all 3<sup>rd</sup> party locations in the report.
7. Select the **Export Format** you would like the data formatted for and the file will open.
  - Daily QTR Export (works for multiple location selection) is all your QTR sensors in a 24-hour average
  - CSV Export (works for only a single location selection) is the raw data your device is transmitting (for Smart-Alek it is 5 min averages and SCADA it can be 3 min all the way to hourly)



QTR's are sent out daily to selected users at the company, via email or text. This report gives the daily average of the sensors that have been connected. You may receive a call, regarding the QTR report not being transmitted or that certain sensors are not in the QTR.

1. If the customer is looking to have their QTR report resent out, in the Data Exports screen, you can select daily QTR export. This will only be for the sites that have been selected.



2. Search for QTR's by selecting the pull-down menu on the well site display and select QTRs.

