

IHS > Decision Support Tool

# IHS Enerdeq® Browser Version 2.6 Release Notes

February 18<sup>th</sup>, 2015

#### IHS Enerdeq Browser Release Notes v.2.6

#### February 17, 2015

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# Enhancements

The following are new features for IHS Enerdeq Browser version 2.6.

For more information, please contact your IHS Customer Care Representative at CustomerCare@ihs.com, at the IHS website – http://www.ihs.com/energy or call +888 OIL DATA.

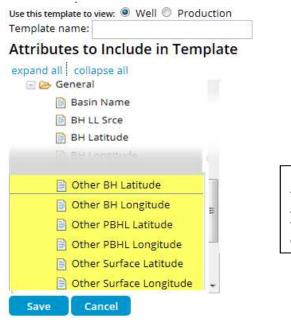
# Well Data Updates

The following items all relate to Well Queries / Templates or Output formats.

### New One-Line Template attributes

#### Well Data / Location Folder - Renamed "OP" suite to "Other"

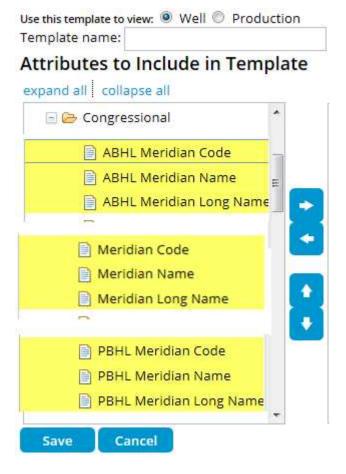
In an effort to remove confusion as to the exact meaning of the data being presented, we have changed the names for the highlighted attributes below from "OP" prefixed names to the "Other" prefixed names.



NOTE: any previously stored templates using the "OP" named attributes will need to be rebuilt with the "Other" named attributes or an error using this template will occur

#### Well Data / Location folder – Meridian Long Names

The Meridian Long Name attribute for ABHL / PBHL and general Meridian has been added. These names will match what is presented in the Query for Meridian data.



#### Well Data / New Folder – Directional Surveys

A new Well Data folder has been added in alphabetical order, allowing Enerdeq to present the Directional Survey data.

### New Template

Use this template to view:  Well  Pro Template name: My Data Template	
Attributes to Include in Ter	mpl
🗄 🛅 Completions	*
📧 🗀 Date	
🖃 😂 Directional Surveys	
North Ref Code	
📄 North Ref Name	
Grid Convergence Angle	E
📄 Grid Convergence EW Dir	-
Map Projection	
🖅 🚞 Geology	
🛨 🧰 ID	
王 🧰 Location	
🖅 🛅 Show	
🗉 🧰 Test	+

#### Well Data / Date Folder - First Spud Date

First Spud Date has been added to the Well data template build routine.

FIRST SPUD DATE is defined as the first spud date of a multi staged drilling program.

Identifies when a contractor drills a small amount of hole to set conductor or surface casing to retain the lease prior to the rotary rig being moved in to drill the hole.

#### **New Template**

Use this template to view: 
Well
Producti
Template name: My Data Template

#### Attributes to Include in Templa

expand all	collapse all
------------	--------------

🗄 🗀 Com	pletions	^
🖃 📴 Date	2	
A	bnd Date	
📄 A	dd Date	H
📄 C	Comp Date	
📄 C	omp Report Date	
F	inal Drill Date	
E	irst Report Date	
F	irst Spud Date	
L L	ast Activity Date	
P	ermit License Date	
F	lig Onsite Date	
F	lig Release Date	÷
Save	Cancel	

## First Spud Date included in the standard Enerdeq Outputs

#### Available in the Well Workbook

This data has been added to the Well Workbook on the Header Tab preceding the "Spud Date" column.

1	AH	AI	LA	AK	AL	AM	AN	AO	AP	AQ	AR	
L	Formation at TD Name	Formation Producing Nam	Elevation Reference Value	Elevation Reference Date	un Ground Elevation	Date First Spud	Date Spud	Date Completion	Date Rig Release	Date Abandonmen	t Date First Report	Date
2	DAKOTA		4985 0	GR	4985		1920-10-01	1921-02-01			1972-09-15	5
3	MORRISON		4918	(B	4908		1957-05-10	1957-05-18			1972-09-15	5
4	MORRISON		4761 [	DF	4753		1934-10-15	1937-07-15			1972-09-15	5
5	MORRISON		4761 [	DF	4753		1953-01-01	1953-01-01			1972-09-15	5
6	DAKOTA D/SD/		5436 E	DF			1955-08-22	1955-09-01			1972-09-15	5
7	LAKOTA		5119	(B			1955-10-18	1955-11-01			1972-09-15	5
8	JURASSIC/SYSTEM/		5375	(B			1955-10-07	1955-10-16			1972-09-15	5
	IVANIE		cone )	/n	CC10		1000.07.02	1055.00.10			1073.00.11	¢.
38	DAKOTA J/SD/		5175 🕴	KB			1955-06-01	1955-06-12			1972-09-15	5
39	LAKOTA		5023 H	(B	5013		1952-06-25	1952-07-09			1972-09-15	5
40.	DAKOTA LAD		E1E1 6	/n			1055 06 11	1055 06 12			1073 00 18	c

#### Available in the one line template - Well Header List

First Spud Date has been inserted preceding the Spud Date column in the standard Well Header List

Well Data Results: (157) Show Current Query

			Target	Permit License Date	First Spud Date	Spud Date	Comp
	1		OIL	1985-12-07		1985-12-17	1986-0
	1		OIL	1987-04-20		1987-04-30	1987-0
	1	1	OIL	1988-04-01		1988-04-11	1988-0
	1	1	O&G	1990-12-01		1990-12-11	1990-1
-	100		1000013	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100 00 00 00 00 00 00 00 00 00 00 00 00	10.2522232

# Drilling Journal Tab added to Well Workbook

A new tab displaying the Drilling Journal data stored in the data base, has been added to the Well Workbook.

1	A	В	C	D	E	F	
1	UWI	Number	Source	Top Depth	Top Depth UOM	Form Code	Remark
2	03011000580000	1	PI	5283	FT		
3	03043000220000	1	PI	4915	FT		
4	17069004670000	1	PI	6602	FT		
5	17069004670000	2	PI	6607	FT		
6	17069004670000	3	PI	6612	FT		
7	17069004670000	4	PI	6617	FT		
8	17009004730000	1	PI	6741	FT		
9	17029007040000	1	PI	7330	FT		
10	03139042880000	1	PI	1300	FT		
11							
39							
40						-	
41							
42							
	• • Co	re Descrip	tion (	Core Narrative	Log Mud	String	Drilling Journal Drilling Narra

# New Columns on the Well Workbook / Tops tab

Two new attributes have been added to the Tops tab in the Well Workbook, the Reason data and the Remarks information

A	В	C	D	E	1	J	K		L	1
UWI	Top Source	Interprete	Code	Name	ase Depth U	OM Source Name	Reason	Remark		
42317380530000	IHS_TOPS	GDS	406CSCO	CISCO		GDS				
42317380530000	IHS_TOPS	GDS	404STRN	STRAWN		GDS				
42317380530000	IHS_TOPS	GDS	403ATOK	ATOKA		GDS				
42317380530000	IHS_TOPS	GDS	403BEND	BEND		GDS				
42317380530000	IHS_TOPS	GDS	354BRNT	BARNETT /SH/		GDS				
42317380530000	IHS_TOPS	GDS	352MSSPL	MISSISSIPPIAN LOWE		GDS				
42317380530000	IHS_TOPS	GDS	319WDFD	WOODFORD		GDS				
42317380530000	IHS_TOPS	GDS	259SLRN	SILURIAN		GDS				
42317380530000	IHS_TOPS	GDS	454RSLR	RUSTLER		GDS	NOT LOGGED	NOT LOGGED		
42317380530000	IHS_TOPS	GDS	453TNSL	TANSILL		GDS	NOT LOGGED	NOT LOGGED		
42317380530000	IHS_TOPS	GDS	453YTES	YATES		GDS	NOT LOGGED	NOT LOGGED		
42317380530000	IHS_TOPS	GDS	453SVRV	SEVEN RIVERS		GDS	NOT LOGGED	NOT LOGGED		
42317380530000	IHS_TOPS	GDS	453QUEN	QUEEN		GDS	NOT LOGGED	NOT LOGGED		
42317380530000	IHS_TOPS	GDS	453GRBG	GRAYBURG		GDS	NOT LOGGED	NOT LOGGED		
42317380530000	IHS_TOPS	GDS	453SADR	SAN ANDRES		GDS	NOT LOGGED	NOT LOGGED		
42317366520000	PI		452SPRB	SPRABERRY		LOG				
42317366520000	PI		404STRN	STRAWN		LOG				
42317366520000	PI		359MSSP	MISSISSIPPIAN		LOG				
42317366520000	IHS_TOPS	GDS	453QUEN	QUEEN		GDS				
42317366520000	IHS_TOPS	GDS	453GRBG	GRAYBURG		GDS				
42317366520000	IHS_TOPS	GDS	453SADR	SAN ANDRES		GDS				
42317366520000	IHS_TOPS	GDS	452SPRBU	SPRABERRY UPPER		GDS				
	UWI 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 42317380530000 4231736520000 4231736520000 4231736520000 4231736520000	UWI         Top Source           42317380530000         IHS_TOPS           42317380520000         IHS_TOPS           42317366520000         PI           42317366520000         PI           42317366520000         IHS_TOPS           42317366520000         IHS_TOPS           42317366520000         IHS_TOPS           42317366520000         IHS_TOPS           42317366520000         IHS_TOPS           42317366520000         IHS_TOPS           42317366520000         IHS_TOPS </td <td>UWI         Top Source Interpreter           42317380530000         IHS_TOPS         GDS           4231736520000         PI         4231736520000         PI           4231736520000         PI         4231736520000         PI           42317365520000         IHS</td> <td>UWI         Top Source         Interpreter         Code           42317380530000         IHS_TOPS         GDS         406CSCO           42317380530000         IHS_TOPS         GDS         404STRN           42317380530000         IHS_TOPS         GDS         403ATOK           42317380530000         IHS_TOPS         GDS         403BEND           42317380530000         IHS_TOPS         GDS         403BEND           42317380530000         IHS_TOPS         GDS         354BRNT           42317380530000         IHS_TOPS         GDS         319WDFD           42317380530000         IHS_TOPS         GDS         453TNSL           42317380530000         IHS_TOPS         GDS         453TNSL           42317380530000         IHS_TOPS         GDS         453TNSL           42317380530000         IHS_TOPS         GDS         453TVES           42317380530000         IHS_TOPS         GDS         453QUEN           42317380530000         IHS_TOPS         GDS         453QUEN           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     TANSILL           42317380530000         IHS_TOPS         GDS         453HSL         TANSILL           42317380530000         IHS_TOPS         GDS         453URE         42317380530000           42317380530000         IHS_TOPS         GDS         453QUEN         QUEEN           42317380530000         IHS_TOPS         GDS         453QUEN         QUEEN</td> <td>UWI         Top Source Interpreter Code         Name         Ise Depth Ut           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO           42317380530000         IHS_TOPS         GDS         404STRN         STRAWN           42317380530000         IHS_TOPS         GDS         404STRN         STRAWN           42317380530000         IHS_TOPS         GDS         403BEND         BEND           42317380530000         IHS_TOPS         GDS         352MSSPL         MISSISSIPPIAN LOW:           42317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD           42317380530000         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  GDS           4231</td> <td>UWI         Top Source Interprete         Code         Name         ise Depth UOM Source Name         Reason           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS           42317380530000         IHS_TOPS         GDS         404STRN         STRAWN         GDS           42317380530000         IHS_TOPS         GDS         403ATOK         ATOKA         GDS           42317380530000         IHS_TOPS         GDS         403BEND         BEND         GDS           42317380530000         IHS_TOPS         GDS         354BRNT         BARNETT /SH/         GDS           42317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD         GDS           42317380530000         IHS_TOPS         GDS         4347380530000         IHS_TOPS         GDS           42317380530000         IHS_TOPS         GDS         4347380530000         IHS_TOPS         GDS         42317380530000           42317380530000         IHS_TOPS  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      42317380530000         IHS_TOPS         GDS         42317380530000</td><td>UWI         Top Source Interprete Code         Name         Ise Depth UON Source Name         Reason         Remark           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS         4231738053000         IHS_TOPS         GDS         NOT LOGGED         NOT LOGGED<!--</td--></td></td>	UWI         Top Source Interpreter           42317380530000         IHS_TOPS         GDS           4231736520000         PI         4231736520000         PI           4231736520000         PI         4231736520000         PI           42317365520000         IHS	UWI         Top Source         Interpreter         Code           42317380530000         IHS_TOPS         GDS         406CSCO           42317380530000         IHS_TOPS         GDS         404STRN           42317380530000         IHS_TOPS         GDS         403ATOK           42317380530000         IHS_TOPS         GDS         403BEND 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       GDS         404STRN         STRAWN           42317380530000         IHS_TOPS         GDS         403ATOK         ATOKA           42317380530000         IHS_TOPS         GDS         403BEND         BEND           42317380530000         IHS_TOPS         GDS         354BRNT         BARNETT /SH/           42317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD           42317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD           42317380530000         IHS_TOPS         GDS         453HSL         TANSILL           42317380530000         IHS_TOPS         GDS         453HSL         TANSILL           42317380530000         IHS_TOPS         GDS         453HSL         TANSILL           42317380530000         IHS_TOPS         GDS         453URE         42317380530000           42317380530000         IHS_TOPS         GDS         453QUEN         QUEEN           42317380530000         IHS_TOPS         GDS         453QUEN         QUEEN	UWI         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        STRAWN         GDS           42317380530000         IHS_TOPS         GDS         403ATOK         ATOKA         GDS           42317380530000         IHS_TOPS         GDS         403BEND         BEND         GDS           42317380530000         IHS_TOPS         GDS         354BRNT         BARNETT/SH/         GDS           42317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD         GDS           42317380530000         IHS_TOPS         GDS         453KRNE         RUSTLER         GDS           42317380530000         IHS_TOPS         GDS         453KNE         TANSILL         GDS           4231	UWI         Top Source Interprete         Code         Name         ise Depth UOM Source Name         Reason           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS           42317380530000         IHS_TOPS         GDS         404STRN         STRAWN         GDS           42317380530000         IHS_TOPS         GDS         403ATOK         ATOKA         GDS           42317380530000         IHS_TOPS         GDS         403BEND         BEND         GDS           42317380530000         IHS_TOPS         GDS         354BRNT         BARNETT /SH/         GDS           42317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD         GDS           42317380530000         IHS_TOPS         GDS         4347380530000         IHS_TOPS         GDS           42317380530000         IHS_TOPS         GDS         4347380530000         IHS_TOPS         GDS         42317380530000           42317380530000         IHS_TOPS         GDS         435TRNS         TANSILL         GDS         NOT LOGGED           42317380530000         IHS_TOPS         GDS         453TRNS         TANSILL         GDS         NOT LOGGED           42317380530000         IHS_TOPS <td>UWI         Top Source         Interprete         Code         Name         Ise Depth UOM Source Name         Reason         Remark           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS         42317380530000         IHS_TOPS         GDS         404STRN         STRAWN         GDS         42317380530000         IHS_TOPS         GDS         403ATOK         ATOKA         GDS         42317380530000         IHS_TOPS         GDS         403BEND         BEND         GDS         42317380530000         IHS_TOPS         GDS         42317380530000         IHS_TOPS         GDS         32317380530000         IHS_TOPS         GDS         32317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD         GDS         42317380530000         IHS_TOPS         GDS         42317380530000</td> <td>UWI         Top Source Interprete Code         Name         Ise Depth UON Source Name         Reason         Remark           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS         4231738053000         IHS_TOPS         GDS         NOT LOGGED         NOT LOGGED<!--</td--></td>	UWI         Top Source         Interprete         Code         Name         Ise Depth UOM Source Name         Reason         Remark           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS         42317380530000         IHS_TOPS         GDS         404STRN         STRAWN         GDS         42317380530000         IHS_TOPS         GDS         403ATOK         ATOKA         GDS         42317380530000         IHS_TOPS         GDS         403BEND         BEND         GDS         42317380530000         IHS_TOPS         GDS         42317380530000         IHS_TOPS         GDS         32317380530000         IHS_TOPS         GDS         32317380530000         IHS_TOPS         GDS         319WDFD         WOODFORD         GDS         42317380530000         IHS_TOPS         GDS         42317380530000	UWI         Top Source Interprete Code         Name         Ise Depth UON Source Name         Reason         Remark           42317380530000         IHS_TOPS         GDS         406CSCO         CISCO         GDS         4231738053000         IHS_TOPS         GDS         NOT LOGGED         NOT LOGGED </td

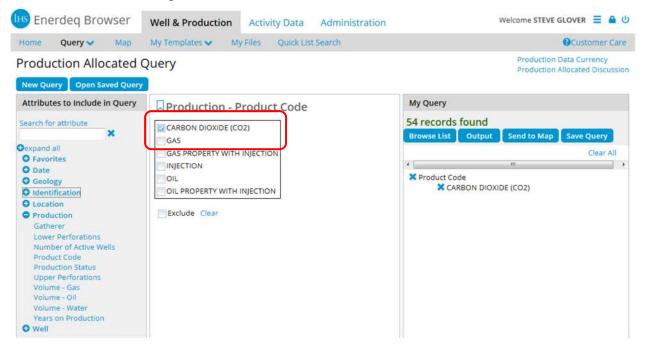
# **Production Data Updates**

### CO2 Production is now available

CO2 production has been updated to allow the user to Query and Report data as a separate producing product from the Production database. The following pages will describe these additions.

# Query for CO2 Production

The dropdown for the Query options presents the ability to query by various Production Product Codes. A Carbon Dioxide option is now available in this list.



# Updated Production Report – Added Monthly CO2

A monthly CO2 report has been added with the title of Monthly CO2

Monthly CO2 Data Source:	PI			
(Most recent 78 of 78 m	onths)			
Year	Month	Carbon Dioxide	# of Wells	Days On
2008	JAN	1,165,428	3	31
2008	FEB	3,080,464	4	29
2008	MAR	3,233,939	4	31
2008	APR	3,439,490	4	30
2008	MAY	3,586,727	4	31
2008	JUN	3,325,111	4	30
2008	JUL	2,817,647	4	31
2008	AUG	3,104,544	4	31
2008	SEP	3,312,641	5	30
2008	OCT	3,423,373	5	31
2008	NOV	3,426,911	5	30
2008	DEC	3,622,045	5	31

Also added a similar CO2 output block to the following Production Reports:

**Detailed Production** 

**Production Injection** 

Summary Production Report

### New Production Workbook / CO2 Tabs

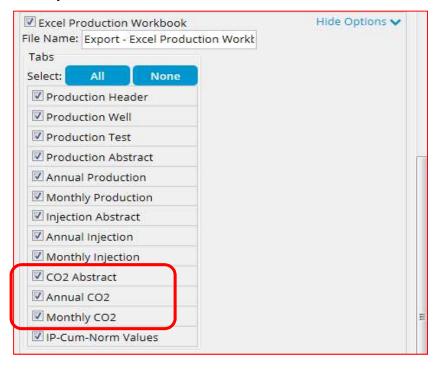
Three new Production Workbook tabs have been added to present the various CO2 data formats.

These tabs are:

CO2 Abstract

Annual CO2

Monthly CO2

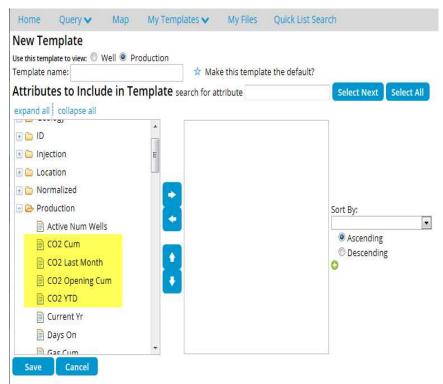


#### The resulting Workbook:

4	A	В	C	D	E	F	G	н	1	4	к	1	M
1	Entity	Source	Entity Type	Primary Product	Lease Name	Well Number	API	Regulatory API	Cum CO2	First Month CO2	Last Month CO2	First 12 Month CO2	Last 12 Month C
2	1050011231479400COD	PI	WELL.	CD	HOSHIKO	4	05123147940000					0	
3	A010281	PI	LEASE	CD	DOE CANYON (CO2)	6	05033061340100		234575352	1165428	5808982	37538320	45140
4	205001006722	PI	LEASE	CD	MCCALLUM UN 6 (CO2)				4716024				
5	205001006723	PI	LEASE	CD	MORRISON UNIT (CO2)	4	05057050580000		154043015	49227	33292	2309248	34
5	205001006724	PI	LEASE	CD	MCLUM UT MUDDY(CO2)	23	05057050460000		276335	124000		171674	
7	205001006769	PI	LEASE	CD	DUDLEY (CO2)	1	05083052360000		8036957	5039	27049	82273	342
3	205001006771	PI	LEASE	CD	SCHMIDT A #1 (CO2)	1	05083052310001		76376				
)	205001020832	PI	LEASE	CD	MCLUM UT PIERRE CO2				1193714	9440	1195	99357	18
0	205001037665	PI	LEASE	CD	SHP MTN FED#7-9 CO2		05055060310000		8567809	72656	148898	342938	262
1	205001037669	PI	LEASE	CD	FEDERAL #6-9-B(CO2)		05055060750000		2486197	41841	31544	103678	98
2	205001043398	PI	LEASE	CD	MCELMO DOME UT(CO2)	1	05083061530000		7785281015	184709	31802591	40490391	26710
	205001052552	PI	LEASE	(CD)	SHP MTN #8-2-P(CO2)	8	05055061040000		12546095	64991	109972	1356590	1390
6	2050010550607400DKTA	PI	WELL	CD	SHEEP MOUNTAIN UNIT	3-23-D	05055060740000		86314926	8751	53435	1714872	796
7	2050010550607500DKTA	PI	WELL	CD	SHEEP MOUNTAIN UNIT	6-9-B	05055060750001		51754022	83590	37916	4985306	28
8	2050010550607700ENR0	PI	WELL	CD	SHP MT 4-26-E (CO2)	4	05055060770000		25791933				
9	2050010550608000ENR0	PI	WELL	CD	SHP MTN 7-22-P(CO2)	22	05055060800000		44198691	15000	17195	15000	13
0	2050010550609800DKTA	PI	WELL	CD	SHEEP MOUNTAIN UNIT	2	05055060980000		54922647	14495			
1	2050010550610400DKTA	PI	WELL	CD	SHEEP MOUNTAIN	8-2-P	05055061040000		9859502	109514	6515	1188512	8
2	2050010550610500DKTA	PI	WELL	CD	SHEEP MOUNTAIN UNIT	1	05055061050000		15835294	117723	32570	1418887	40
	Productio		CO2 Abstract	Annual CO2 Mor	nthly CO2	-		: 4					1

## New Production CO2 Template attributes

CO2 Production attributes have also been added to the Production Template build routine in the Production folder.



### **Production Allocated White Paper**

The current discussion of the Production Allocation process has now been added to each of the Production Query pages in the upper right hand corner of the Query page.

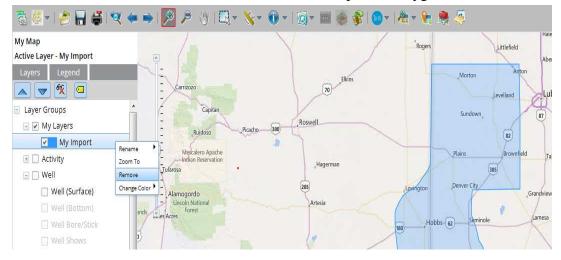
Production Allocated O	)uery				Data Currency Allocated Discussio
New Query Open Saved Query					
Attributes to Include in Query	Location - Field	My Query			
Search for attribute	Find item whose:	0 records fo	Contraction of the second	a. Remove some	criteria.
<ul> <li>expand all</li> <li>Favorites <ul> <li>Field</li> <li>Production ID</li> </ul> </li> <li>Date <ul> <li>Geology</li> <li>Identification</li> <li>Location</li> <li>Production</li> <li>Well</li> </ul> </li> </ul>	Exclude Clear	Browse List	Output	Send to Map	Save Query Clear All

# Map Updates

### Import Polygon – New Features

User is now able to **Name** the imported polygon allowing the user to have multiple polygons active in the visible map view and to change the polygon color further distinguishing between multiple user polygons. These function work in a similar fashion to the "Send to Map" dialogue from the text environment.

My Import Select Layer Color: Change Select Import ZIP File: Browse.	Enter a Layer Name:	
Change Select Import ZIP File:	My Import	
Select Import ZIP File:	Select Layer Color:	
	Change	
Browse.	Select Import ZIP File:	
	Brov	vse



Right click functions are also active for each of the User Imported Polygons

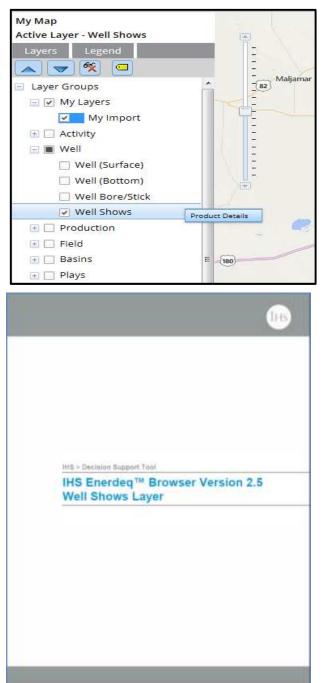
### Shapefile Requirements Document Updated

The Shape File Requirements document has been updated and error messaging provided. Zip file names must not contain spaces in the file name.

		Import a Shape File (.ZIP) ×
		Enter a Layer Name:
		My Import
	Message from webpage	Select Layer Color:
ttor	Filenames Must not contain spaces	Soloct Import ZIP File:     n Contour Shapefiles.zip     Browse
	ОК	Import Cancel

### Well Shows White Paper

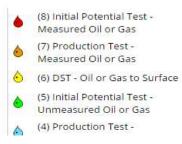
The Well Shows White paper is now available from a right click on the layer name as well as from the Product Updates section on the Home Page. This document will discuss the definition and suggested use for this data.



# Well Shows Layer

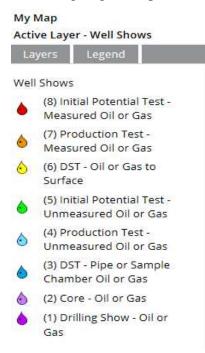
NOTE: The Enerdeq version of the Well Shows layer displays a restricted attribute set. To purchase the fully attributed Well Shows layer, please contact your IHS Account Manager or IHS Sales. The full column attributes can be found at the bottom of this document.

The Well Shows layer provides a color-coded visual representation and results of well tests during the drilling process that contained oil or gas 'shows'. The shows are ranked by a 'show code' from 1 thru 8.



#### Shows Layer Legend

The following Legend is presented as shown below



# Analysis Tool Updated

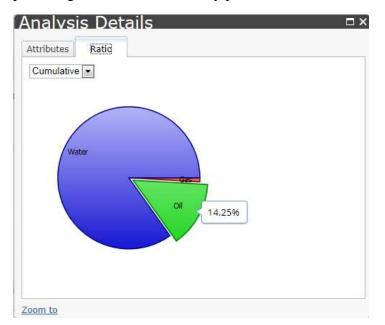
Water analysis now a Product option

Analysis Tool	
Product: O Oil Allocated P G Gas Water Fields Valu	roduction data used for sizing calculations e: Production - Cumulative Volume
Classification: 7 Class 💽 🛛 Detai	is Recalculate
Formations:	
ΑΤΟΚΑ	
CHEROKEE	
FORT SCOTT	
KEYES	
LANSING	
LANSING-KANSAS CITY	
MARMATON	
MCCLAVE MCCLAVE	
MISSISSIPPIAN	

Clicking on a "Bubble" presents a detail "Attributes" window detailing the Production volumes associated with that particular spot.

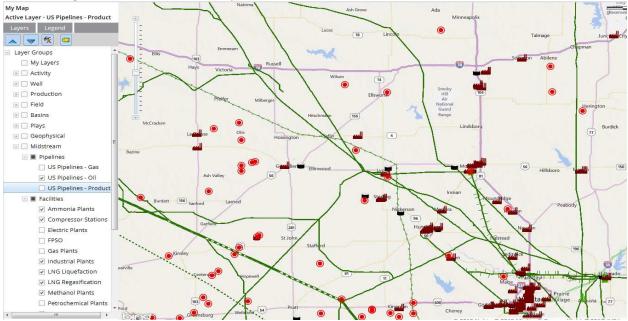
nalvsis D	etails
Attributes Ratio	1
API	05061060100000
Entity Type	WELL
Formation	MISSISSIPPIAN
Cumulative Gas	
Last Month Gas	
2nd Month Gas	
Maximum Gas	
Cumulative Oil	578641
Last Month Oil	82
2nd Month Oil	2830
Maximum Oil	11598
Cumulative Water	19385855
Last Month Water	105
2nd Month Water	20020
Maximum Water	134543

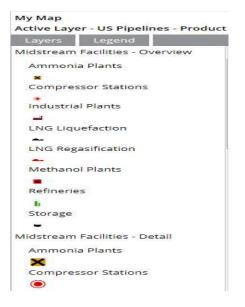
From the "Analysis Details" window a Ratio tab is also available for the specified bubble. A chart is shown within this window. By scrolling over a particular slice the resulting percentage of the recoverable by product is identified.



# **Updated Midstream Layers**

With this release of Enerdeq, enhanced Plant level Midstream facility data with improved symbology and labelling features have been incorporated.





Legend symbology updated to match other IHS Midstream products

# **PowerPoint Options Updated**

The Options block has been added to the PowerPoint "Print Map" feature allowing the user to add specific information to their printed map. This will now standardize the dialogues for all output format options.

File Format					
<ul> <li>PDF</li> <li>PNG</li> <li>PowerPoint</li> </ul>	nt				
Options					
100 A	Date 🔲 North Ar		ale Par		
🖾 Map Legen	d Position: Same	1022 407 102 102 102 102	and the second	ns: 1	•
PORT COMPANY OF ANY	d Position: Same	1022 407 102 102 102 102	and the second	ns: 1	•
🖾 Map Legen	d Position: Same	1022 407 102 102 102 102	and the second		•
Map Legen	d Position: Same	1022 407 102 102 102 102	] Columr	16	
Map Legen Title Options	d Position: Same	102 00 00 00 00 00 00 00 00 00 00 00 00 0	] Columr Font Size	16	
Map Legen Title Options Title Subtitle	d Position: Same	Page 💌	] Columr Font Size	16	

# My Files - 1Gigabyte Limit Applied

As a means to continue to provide the needed performance of the Enerdeq Browser we are constantly looking for ways to upgrade the application functions. With this release we will begin to monitor the size of the "My Files" repository by individual user. A 1Gigabyte limit will be applied. The user will be presented with the following message at all times, indicating the status of their total My Files usage.

My Files Show Current Query	
A Note: Outputs are only saved for 14 days. To permanently save an output to your computer, click the o	utput name.
2 MB (0.20%) of 1 GB used	

As the total usage approaches the 1 GB limit the following message will appear, warning that the "My Files' folder is almost full and suggesting a review be of the file be done.

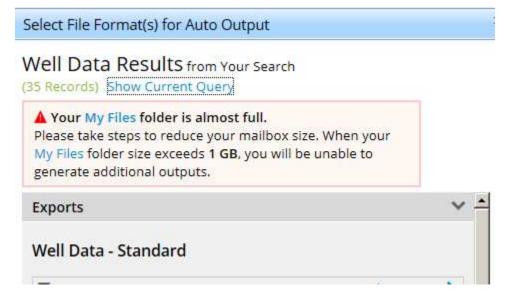
A Your 'My Files' folder is almost full.		
956 MB		
Please take steps to reduce your mailbox size. W	hen your Output folder size exceeds 1 GB, you will be unable to generate additional outputs.	

Once the 1GB limit has been exceeded, the following message will appear and you will not be able to submit additional request for Output until maintenance has been performed.

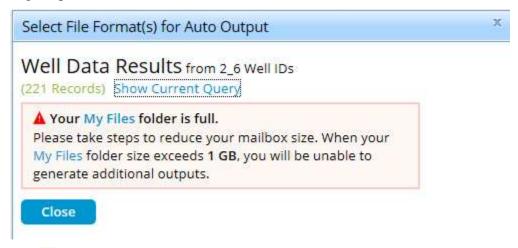
My Files Show Current Query	
Avote: Outputs are only saved for 14 days.	o permanently save an output to your computer, click the output name.
A Your 'My Files' folder is full.	
1382 MB	
Please take steps to reduce your mailbox size	. When your Output folder size exceeds 1 GB, you will be unable to generate additional outputs.

# **Output Dialogue Messaging**

Similar messaging will appear from the "Output" menu warning when you are nearing the 1GB limit.



When your current "Output" request will cause the 1GB limit to be exceeded the following message is presented.



**Note**: If your "My Files" usage is near the limit and a request would cause the limit to be exceeded, this Output request will be honored.

# Defects Addressed in v2.6

Along with the above stated Enhancements, a number of client impacting defects have been corrected. The most significant are:

- Graph Limit extended to 5000 individual graphs
- Import Polygon Map Feature Shapefile with spaces in the .zip file name will not import
- Formation Tops –entitlements processing within the Query process corrected
- My Files status periodically incorrect
- Import ID's will now support multiple lists and IC #'s
- Create Template now working on Map Identify list.

# Browser Strategy and Recommendations

With Windows XP no longer being supported by Microsoft, we are seeing a significant growth in the use of IE10 and IE11 along with a large decrease in the IE8 usage by our user community. In order for IHS Enerdeq to support the newer browsers, we will review IE8 client usage and determine our strategy going forward. In any case all new features will be coded to support the more current browser releases.

We now support **IE11**. We review all Enerdeq processes and new requests and thus certify on the newer Browsers going forward. If any issues arise with IE8, we will make any necessary changes in a future release until we announce a decertification of this browser.

Going forward we suggest that you access the Enerdeq Browser using **IE10 or IE11**, **Firefox or Chrome**. These newer browsers perform more efficiently as well as provide for enhanced security when using the Enerdeq Browser application.

# Clearing your cache

As new versions of the Internet Explorer Browser become available, various actions are needed to ensure proper results from the IHS Enerdeq Browser Application. One such action is the clearing of your computer's cache. The following discussion outlines the procedure to clear the cache for Internet Explorer versions 9 and newer.

### Internet Explorer

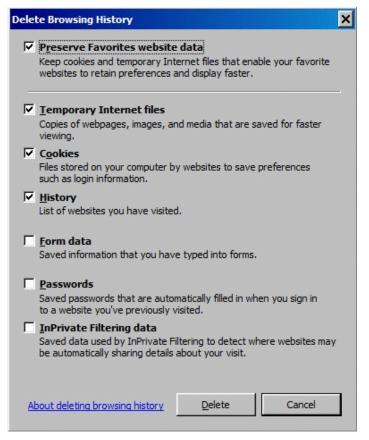
# To clear your cache

In your browser, press the ALT key, and then click the Tools menu.

Select the Delete Browsing History command.

The Delete Browsing History dialog box is displayed.

In the Temporary Internet Files portion, select the check box, and then click the **Delete** button.



You will be asked if you are sure you want to delete all temporary Internet Explorer files. Click **Yes**. When the files have been deleted, click **OK**.

### **Mozilla Firefox**

**Note:** While we have not certified the IHS Enerdeq Browser with Mozilla Firefox, we have provided below the needed setup information to clear your cache.

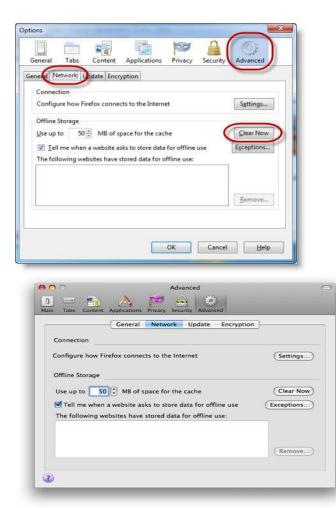
To clear your cache

On the menu bar, click the **ToolsFirefoxEdit** menu, and select the **Options...Preferences...** command.

Select the Advanced panel.

Click the **Network** tab.

In the Offline Storage section, click Clear Now.





Click **OK** to close the Options window. Click **Close** to close the Preferences window.

• • •

Automatically clear your cache You can set Firefox to automatically clear the cache when Firefox closes:

# To automatically clear the Firefox cache

On the menu bar, click the ToolsFirefoxEdit menu, and select the Options...Preferences.... command. Then select the **Privacy** panel.

In the History section, set Firefox will: to Use custom settings for history.

Select the check box for Clear history when Firefox closes.

ptions							×
		R AL		90		<i>*</i>	
Main	Tabs	Content	Applications	Privacy	Security	Advanced	
History Firefox <u>w</u>	ill: Use o	ustom setti	ngs for history	-			
	utomatica	Illy start Fired	fox in a private b	_	rrian		
	Remer	n <u>b</u> er my bro	wsing history fo	-		days	
	Remer	nber <u>d</u> ownle	oad history				
	Remer	nber search	and form histor	У			2
	Accep	t cookies fro	m sites			Exceptions	
	🔽 Ac	ce <u>p</u> t third-p	arty cookies				
	Keep	until: they	expire	•		Show Cookies	1
(		anna lassa	Firefox closes	)		Settings	D
Location	Bar						
When <u>u</u> s	ing the loc	ation bar, su	uggest: Histor	y and Book	marks 👻		
			-	ОК	Cancel	Help	
				UN	cancer	Пер	

Beside Clear history when Firefox closes, click the Settings... button. The Settings for Clearing History dialog box will open.

Select the check box next to Cache.



Click **OK** to close the Settings for Clearing History dialog box. Click **OK** to close the Options dialog box.

• • •

## **Google Chrome**

# To clear your cache

In your Google Chrome browser, click the **Wrench** icon at the upper right.

Select Tools > Clear browsing data.

The *Clear browsing data* dialog box is displayed.

Clear browsing data		×
Obliterate the following items from:	the past hour 🔹	
Clear browsing history	the past hour the past day	
🔲 Clear download history	the past week	
💽 Empty the cache	the last 4 weeks the beginning of time	
Delete cookies and other site a	nd plug-in data 😽	
Clear saved passwords		
📃 Clear saved Autofill form data		
	Clear browsing data Cance	el

Select a timeframe for the deletion of your cache, and then click the **Clear browsing data** button.

• • •

# **Recommended Browser Settings**

For optimum performance, you are highly encouraged to incorporate the following *recommended settings* into your internet browser *prior* to working with the IHS Enerdeq Browser application.

IHS Enerdeq is compatible with Internet Explorer IE9 /10 and IE11, Mozilla Firefox and Google Chrome. The discussions below discuss how to optimize your setup.

### Internet Explorer

Click your **IE desktop** icon to display your default Internet Explorer Browser homepage.

#### Pop-Up Blocker Setting

From the top of the Internet Explorer page, click the **Tools** command in the menu bar to display a dropdown menu.

IHS.com   Energy   Home - Windows Internet Explorer  Image: Select tele			Place your mouse cursor over the Pop-Up Blocker option to display a second menu.		
File Edit View Favorites	Tools Help	🗞 Convert 👻 🛃 Select	second mend.		
🔆 🏟 🔓 IHS.com   Energy	Delete Browsing History		Select the Turn Off Pop-Up Blocker		
	Pop-up Blocker	Turn Off Pop-up Blocker	1 1		
	Phishing Filter  Manage Add-ons	Pop-up Blocker Settings	option.		
	Subscribe to this Feed Feed Discovery Windows Update	ce for Critical Information and Insight			
	Windows Messenger Diagnose Connection Problems	~			
	Internet Options	KOW	4		

#### **Temporary Internet File Settings**

Click the Settings... button in the **Browsing History** section to display a Settings window.

Make sure the Automatically option is checked.

This option forces the Browser to look for new pages on the Internet rather than look in the Temporary Internet files folder.

To change the size of the temporary folder, move the *slider bar* in the Settings window up/down as desired.

porary Internet Files and History Settings	×
Femporary Internet Files	
Internet Explorer stores copies of webpages, images, and me for faster viewing later.	dia
Check for newer versions of stored pages:	
Every time I visit the webpage	
Every time I start Internet Explorer	
Automatically	
Never	
Disk space to use (8-1024MB) 1024 (Recommended: 50-250MB)	
Current location:	
C:\Users\Steve Glover\AppData\Local\Microsoft\Windows\ Temporary Internet Files\	
Move folder View objects View f	We recommend that you set the folder
	size to a minimum of 1024 MB.
listory	
Specify how many days Internet Explorer should save the list of websites you have visited.	
Days to keep pages in history: 20 🚖	
OK Cancel	
Cancer	

• • •

### **Mozilla Firefox**

Click your Firefox desktop icon to display your default Internet Explorer Browser homepage.

#### **Pop-Up Blocker Setting**

To access the pop-up blocker settings:

At the top of the Firefox window, click on the **Firefox** button (Tools menu in Windows XP) and then click Options .

Select the Content panel.

Uncheck the box labeled "Block pop-up windows".



#### **Temporary Internet File Settings**

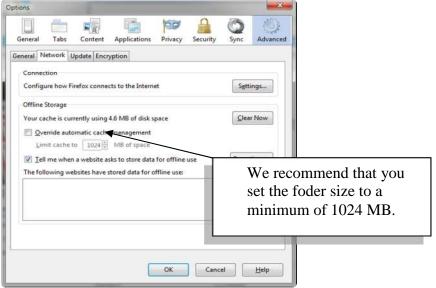
The Temporary Internet Files folder is where web pages and files (such as graphics) are stored on your computer hard drive. This feature helps to speed up the display of pages that you have previously viewed or that you visit on a regular basis.

On the menu bar, click the **ToolsFirefoxEdit** menu, and select the **Options...Preferences...** command.

Select the **Advanced** panel.

Click the **Network** tab.

In the Offline Storage section, click Clear Now.







Click **OK** to close the Options window. Click **Close** to close the Preferences window.

• • •

# **Google Chrome**

Click your Chrome desktop icon to display your default Internet Explorer browser homepage.

#### Pop-Up Blocker Setting

You can allow all pop-ups by disabling the pop-up blocker. Follow these steps:

Click the wrench icon

Select Settings.

Click the **Under the Hood** tab.

Click **Content settings** in the "Privacy" section.

In the "Pop-ups" section, select "Allow all sites to show pop-ups." Customize permissions for specific websites by clicking **Manage exceptions**.

Content Settings					
Pop-ups	<ul> <li>Allow all sites to show pop-ups</li> <li>Do not allow any site to show pop-ups (recommended)</li> <li>Manage exceptions</li> </ul>				

#### **Temporary Internet File Settings**

With Google Chrome we recommend that the initial application settings be utilized as delivered upon installation.

Click **Close** to close the Preferences window.

# How to Display Web Pages in Separate Tabs

When using IE browser, you can set up a view where pop-ups or multiple Web pages will display in separate tabs rather than each page displaying in a new window. To set up a separate tab view:

Click the **Tools** command in your browser menu bar and select **Internet Options** in the dropdown menu

				10	-	-
General	Security	Privacy	Content	Connections	Programs	Advance
Home p	oage					
~	To cre	ate home	page tabs	, type each add	ress on its (	wn line.
9			rce.ihs.cor	A second second second		
	ANGUE	and the second	activities and a	178		
						~
		<u></u>				
		Use cu	urrent	Use default	Use	blank
Browsi	ing history					
1				tory, cookies, s	aved passw	ords,
1	刘 and w	eb form in	formation.			
			ĺ	Delete	Set	tings
Search						
Joard		23	1.6.1		(C) # 2	
5		e search	deraults.		Set	tings
Tabs					100	
	Chang tabs.	ie how we	bpages ar	e displayed in	Set	tings
	Cabs.					
Appea	rance					
_	Colors			( Franks		
	Loiors	Lan	guages	Fonts	Acce	ssibility
			100			

Go to the Tabs section and click the

button.

Settings

A Tabbed Browsing Settings window will display.

	olorer)
Warn me when closing multiple tabs	
Always switch to new tabs when they are created	
Enable Quick Tabs (requires restarting Internet Explor	rer)
Open only the first home page when Internet Explore	r starts
Open new tabs next to the current tab	
Open home page for new tabs instead of a blank page	э.
When a pop-up is encountered:	
When a pop-up is encountered: O Let Internet Explorer decide how pop-ups should oper	n.
	r
OLet Internet Explorer decide how pop-ups should oper	n
O Let Internet Explorer decide how pop-ups should open Always open pop-ups in a new window	1
O Let Internet Explorer decide how pop-ups should open Always open pop-ups in a new window Always open pop-ups in a new tab	ר 
O Let Internet Explorer decide how pop-ups should oper Always open pop-ups in a new window Always open pop-ups in a new tab Open links from other programs in:	ר 

Go to the When a pop-up is encountered: section and select the option next to the **Always** open pop-ups in a new tab option.

Click the button to close the open Settings window and again to close the Internet Options window.

While working in the Enerdeq Browser v2.0, there are no longer multiple tabs opened with each of the Enerdeq Browser functions thus negating the need for tabbed browsing. The process described above will be to suit your preferences.

# **Creating a Windows Shortcut Icon**

To make logging in to the Enerdeq Browser simpler and quicker, you can create a shortcut icon that can be displayed on your computer desktop display.

To create the shortcut icon:

Log in to the Enerdeq Browser application.

Highlight and copy the URL at the top of the Enerdeq page.

File Edit View Favorites Tools Help × Gougle	j#TAsprAutoDetectCook - ≜ C × Of talv88   Stock Prices   Portfolio < IHS Enerdeq Browsen:Hom	
x bing:	and a serie a	
		Welcome to IHS Ene
IHS Enerdeg Browser		and the and a state of the second s

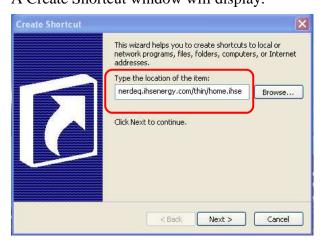
Go to your desktop and right mouse click in an open area to display a shortcut menu.



Highlight the **New** option to display a second menu.

Arrange Icons By Refresh	•
Paste Paste Shortcut Undo Delete Ctrl+Z	
Graphics Properties Graphics Options	•
New	🕑 🛅 Eolder
Properties	a Shortcut
	📔 📔 Briefcase

Highlight the **Shortcut** option in the second menu. A Create Shortcut window will display.



In the Type the location of the item: text box, paste the URL that you copied earlier.

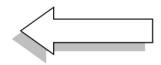
Click the **Next** > button to apply a name to the shortcut.

Select a Title for the	Program 🛛 🗙
	Type a name for this shortcut:
	Enerdeq Browser
7	Click Finish to create the shortcut.
	<pre><back cancel<="" finish="" pre=""></back></pre>

Click the **Finish** button.

The newly created shortcut icon will now display on your computer desktop display.





Double-click the shortcut icon.

The then current Enerdeq Home page will display.