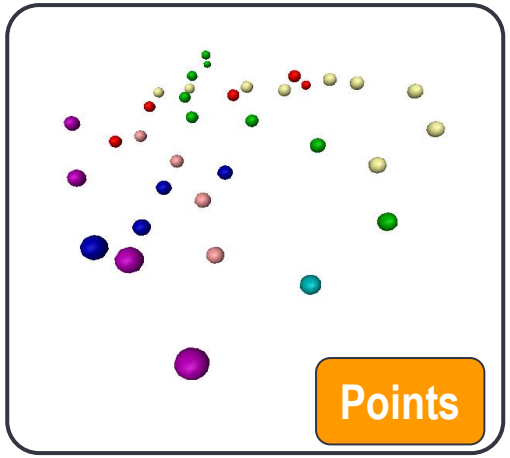
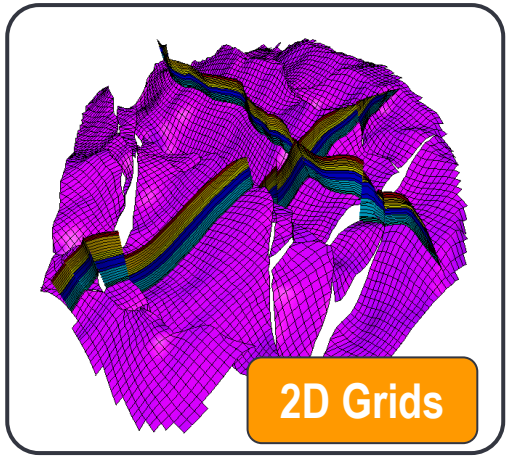
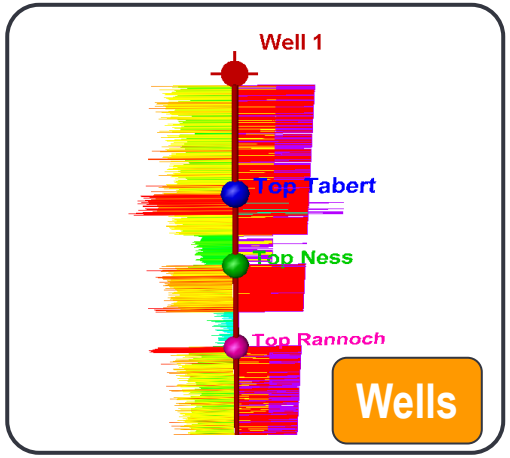
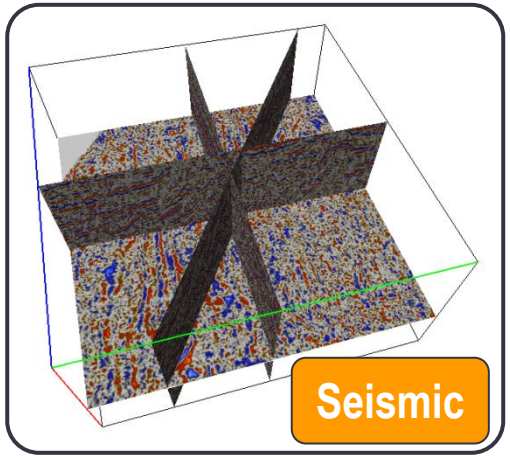
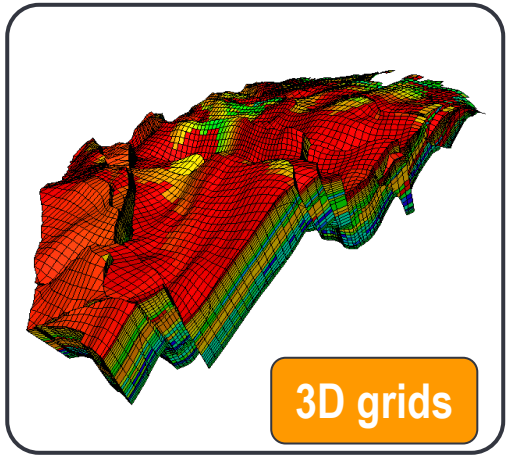
Data Types











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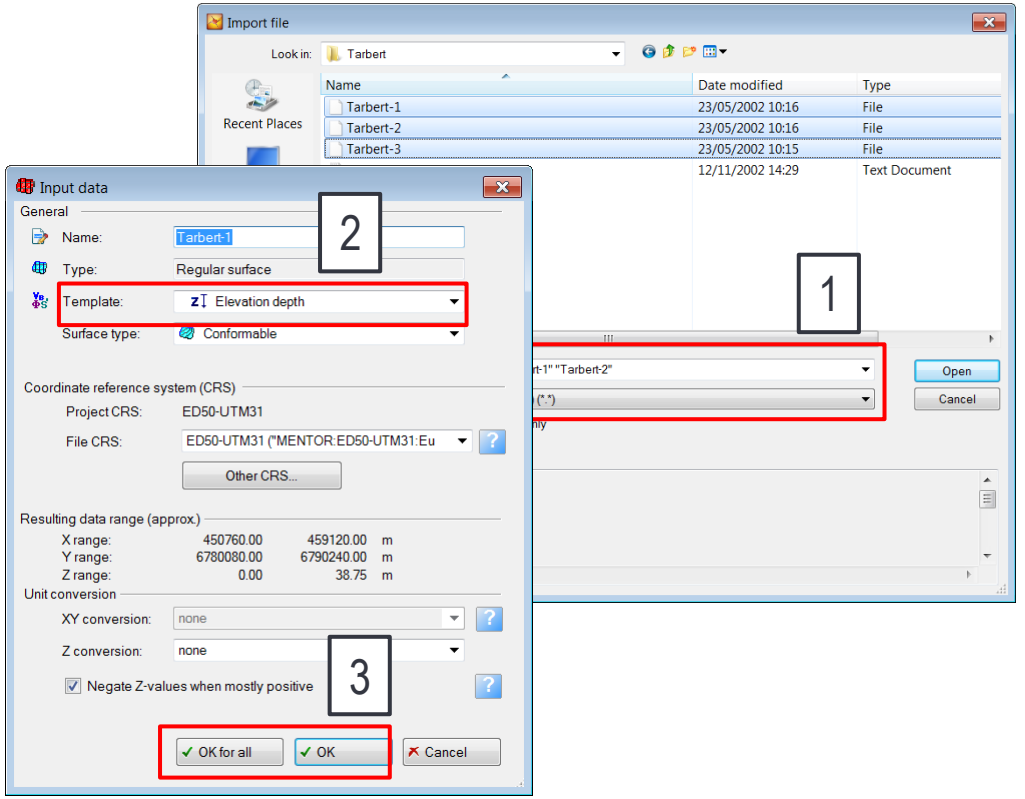
Import with a Predefined Format

After creating a folder and selecting **Import (on Selection)**, the **Import file** dialog displays.

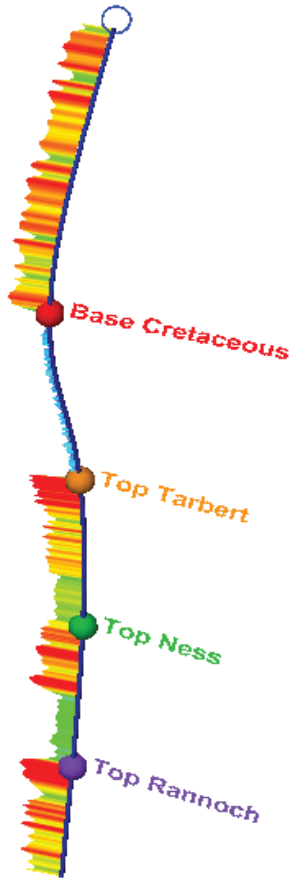
1. Find the data to import and choose the appropriate format. Click **Open**.
2. Specify the template (such as Elevation Time or Thickness depth).
3. Click **OK for all** if all the files have the same format or click **OK** if they have different formats.

Note: Petrel works in Negative Z-values.



Importing Wells: Overview

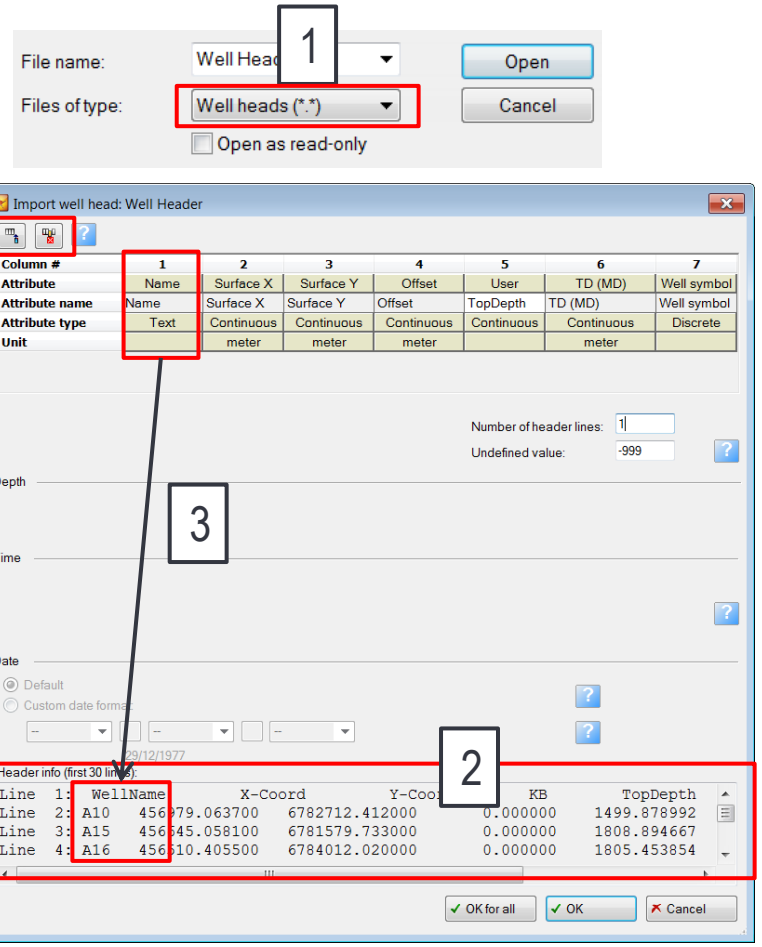
1. Import well header
2. Import well path (deviation)
3. Import well logs
4. Import well tops



Importing Wells: Well heads

Well heads file: ASCII file defining the well's top location, as X-Y-Z or as Lat-Lon and name.

1. Select the file and chose the right format: Well heads (*.*).
2. Check that the column numbers match the Header info; capture at the bottom of the dialog window.
3. Each well can have only one name, specified in the Well Header. When importing deviation and logs, the names must match.



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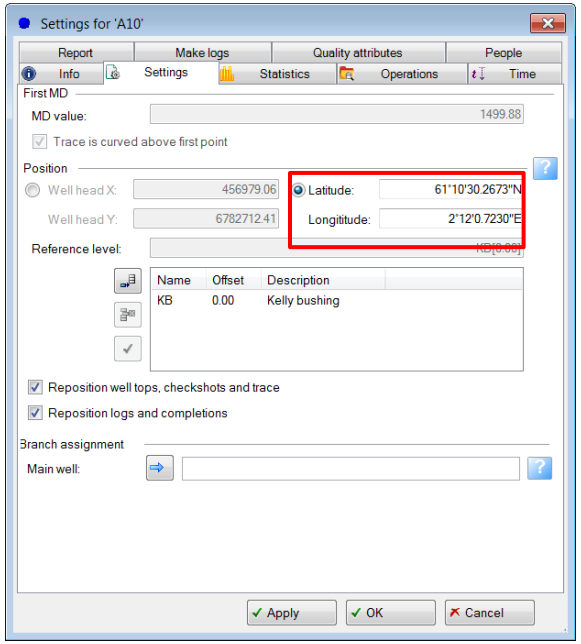
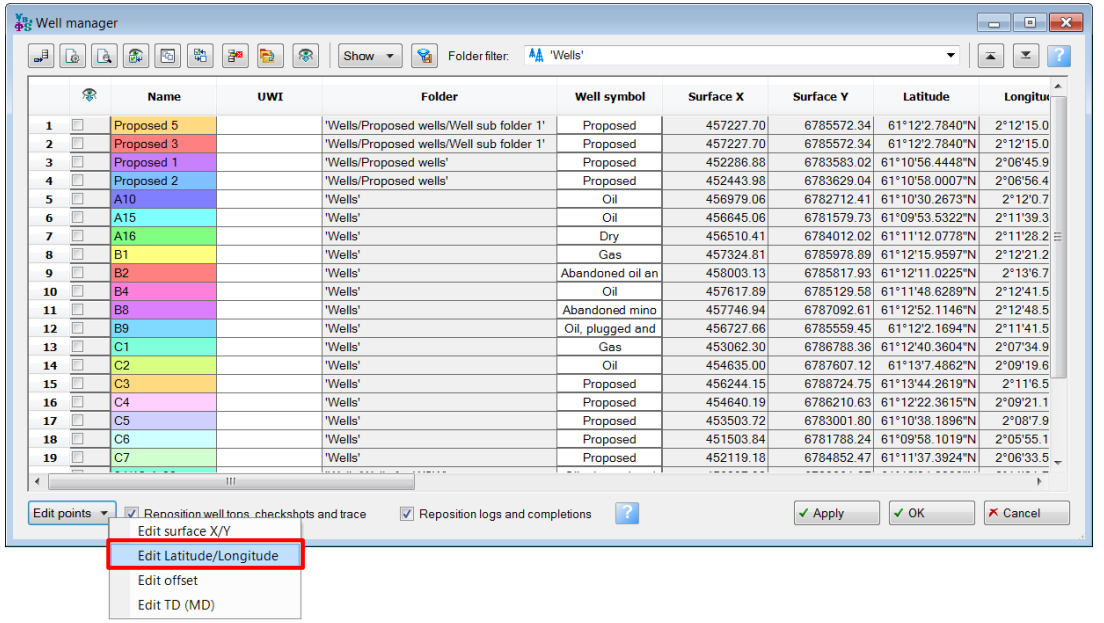
Well Heads: Latitude/Longitude

As with previous steps, you select the correct format to import Wellheads (*.*) and match information from the columns with information in the file. Edit latitude/longitude information in the Settings of the well or in the **Well Manager**.





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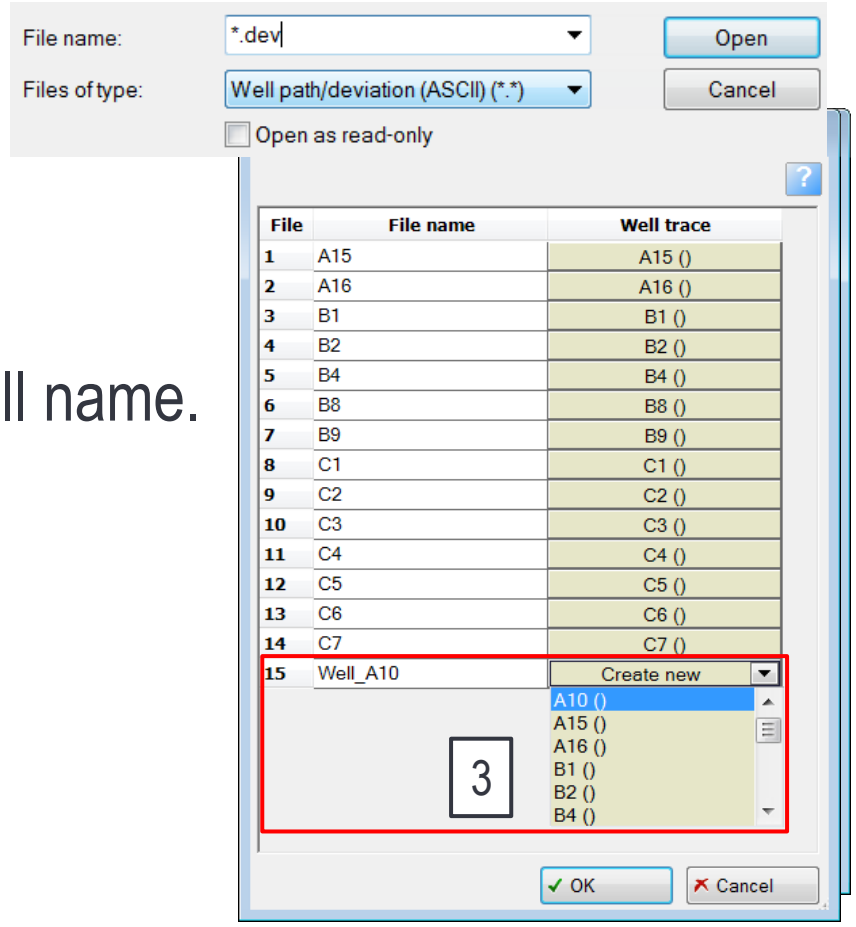
Importing Wells: Well Path (Deviation Survey)

1. Import (on selection) into the *Wells* folder.
2. Select the correct format.
3. Match the file name to existing well name.



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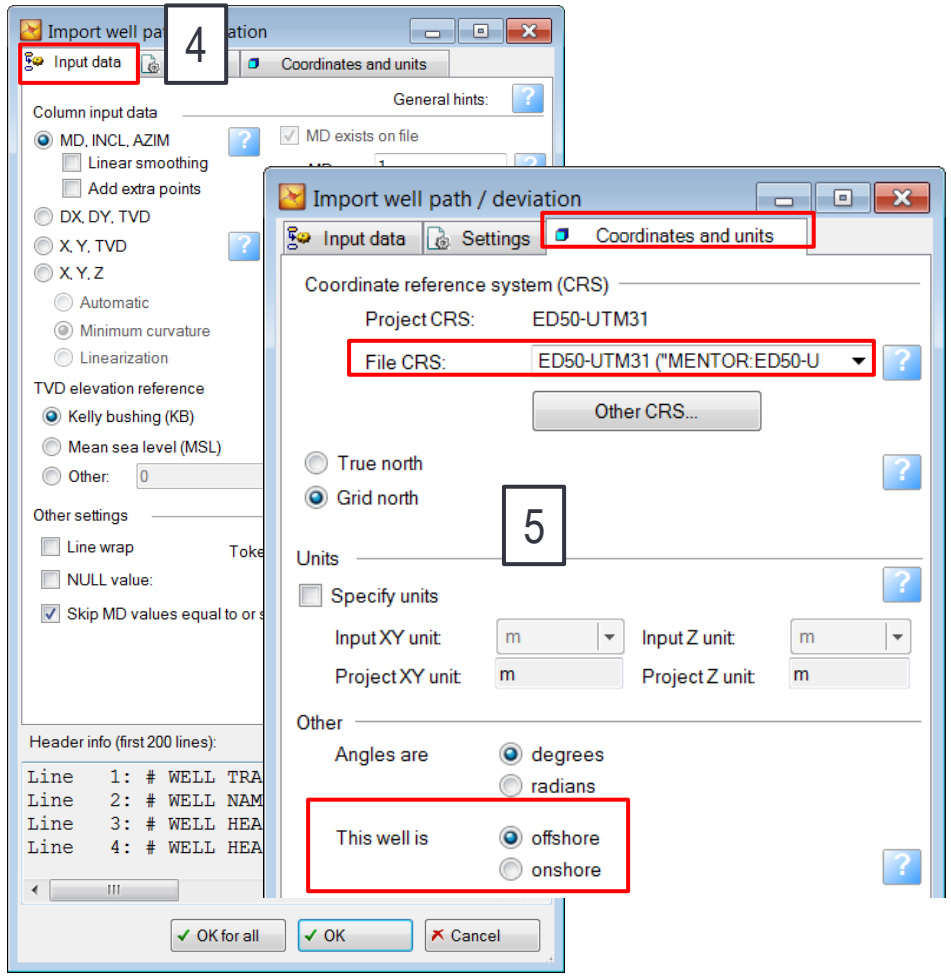
Importing Wells: Well Path (Deviation Survey)

4. Select correct survey type and define columns.

5. Select well type (onshore/offshore) adjust units if necessary, and set the CRS.



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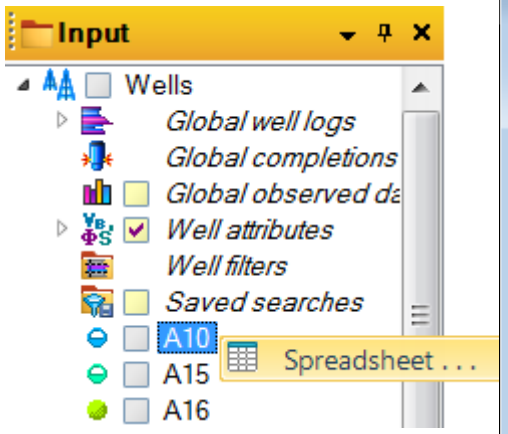
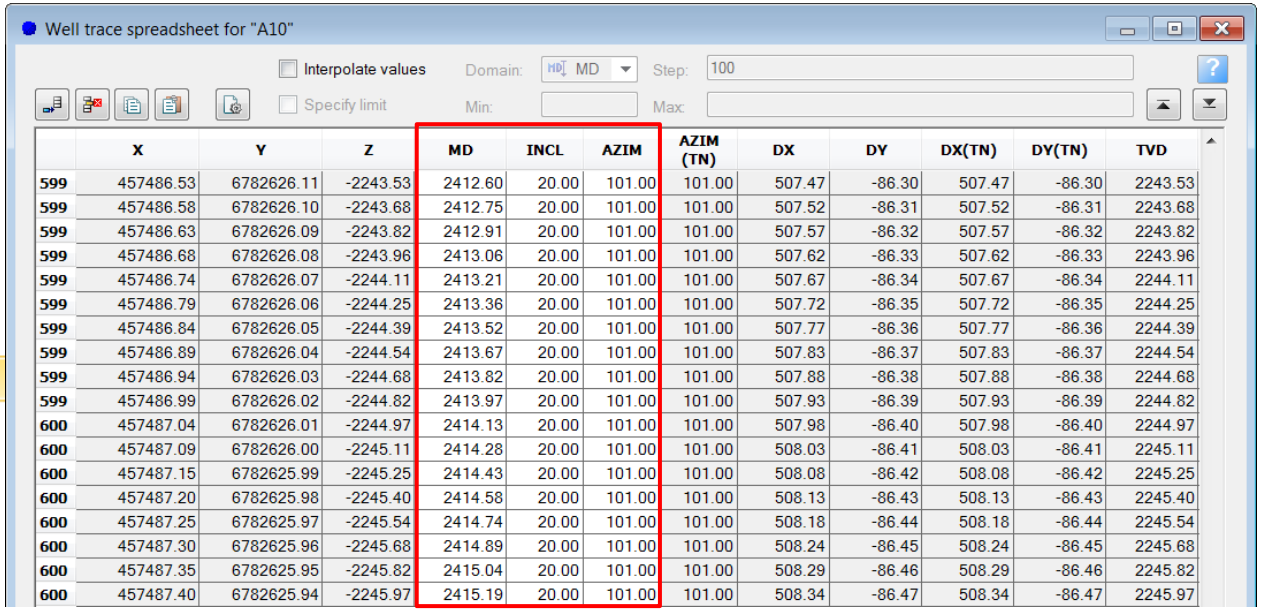
Importing Wells: Deviation Survey

The deviation survey can be viewed in **Spreadsheet**.





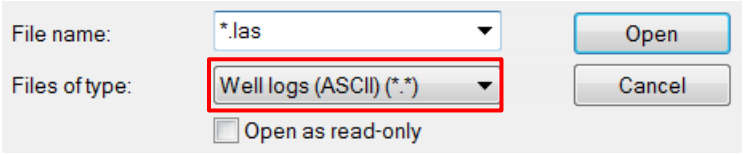
	X	Y	Z	MD	INCL	AZIM	AZIM (TN)	DX	DY	DX(TN)	DY(TN)	TVD
599	457486.53	6782626.11	-2243.53	2412.60	20.00	101.00	101.00	507.47	-86.30	507.47	-86.30	2243.53
599	457486.58	6782626.10	-2243.68	2412.75	20.00	101.00	101.00	507.52	-86.31	507.52	-86.31	2243.68
599	457486.63	6782626.09	-2243.82	2412.91	20.00	101.00	101.00	507.57	-86.32	507.57	-86.32	2243.82
599	457486.68	6782626.08	-2243.96	2413.06	20.00	101.00	101.00	507.62	-86.33	507.62	-86.33	2243.96
599	457486.74	6782626.07	-2244.11	2413.21	20.00	101.00	101.00	507.67	-86.34	507.67	-86.34	2244.11
599	457486.79	6782626.06	-2244.25	2413.36	20.00	101.00	101.00	507.72	-86.35	507.72	-86.35	2244.25
599	457486.84	6782626.05	-2244.39	2413.52	20.00	101.00	101.00	507.77	-86.36	507.77	-86.36	2244.39
599	457486.89	6782626.04	-2244.54	2413.67	20.00	101.00	101.00	507.83	-86.37	507.83	-86.37	2244.54
599	457486.94	6782626.03	-2244.68	2413.82	20.00	101.00	101.00	507.88	-86.38	507.88	-86.38	2244.68
599	457486.99	6782626.02	-2244.82	2413.97	20.00	101.00	101.00	507.93	-86.39	507.93	-86.39	2244.82
600	457487.04	6782626.01	-2244.97	2414.13	20.00	101.00	101.00	507.98	-86.40	507.98	-86.40	2244.97
600	457487.09	6782626.00	-2245.11	2414.28	20.00	101.00	101.00	508.03	-86.41	508.03	-86.41	2245.11
600	457487.15	6782625.99	-2245.25	2414.43	20.00	101.00	101.00	508.08	-86.42	508.08	-86.42	2245.25
600	457487.20	6782625.98	-2245.40	2414.58	20.00	101.00	101.00	508.13	-86.43	508.13	-86.43	2245.40
600	457487.25	6782625.97	-2245.54	2414.74	20.00	101.00	101.00	508.18	-86.44	508.18	-86.44	2245.54
600	457487.30	6782625.96	-2245.68	2414.89	20.00	101.00	101.00	508.24	-86.45	508.24	-86.45	2245.68
600	457487.35	6782625.95	-2245.82	2415.04	20.00	101.00	101.00	508.29	-86.46	508.29	-86.46	2245.82
600	457487.40	6782625.94	-2245.97	2415.19	20.00	101.00	101.00	508.34	-86.47	508.34	-86.47	2245.97

The Deviation survey can be edited after import, but it is not recommended. Only white columns are editable.

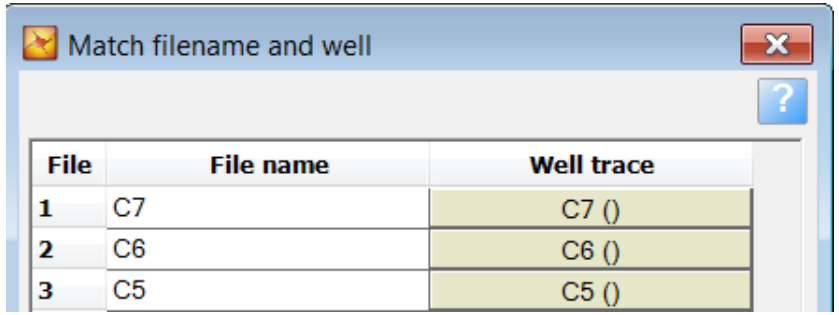
Importing Wells: Well Logs (ASCII or LAS format)

1. Import (on selection) into *Wells* folder.

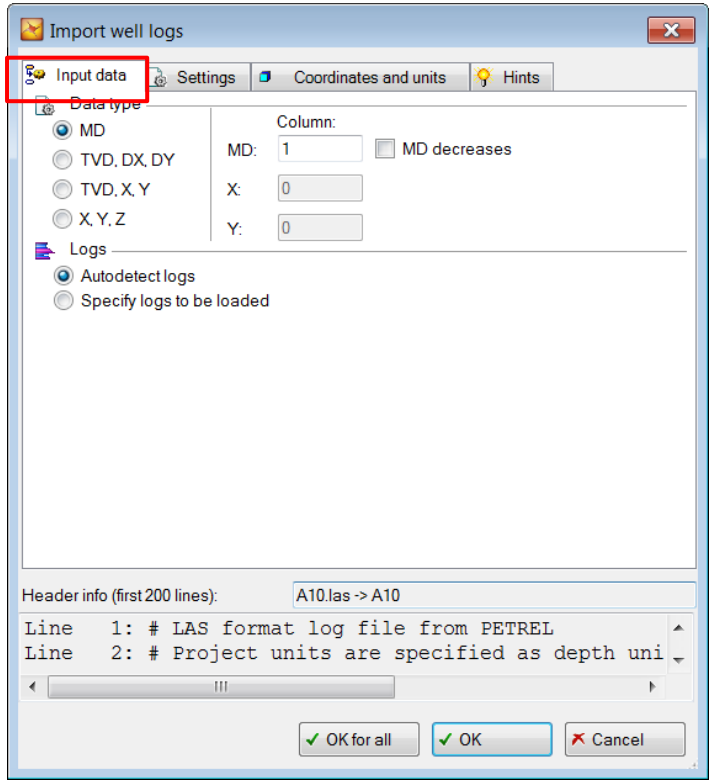
2. Select data files and the correct format



3. Match the file name to the well trace name.



4. Go to **Input data** tab and set the appropriate Data type.



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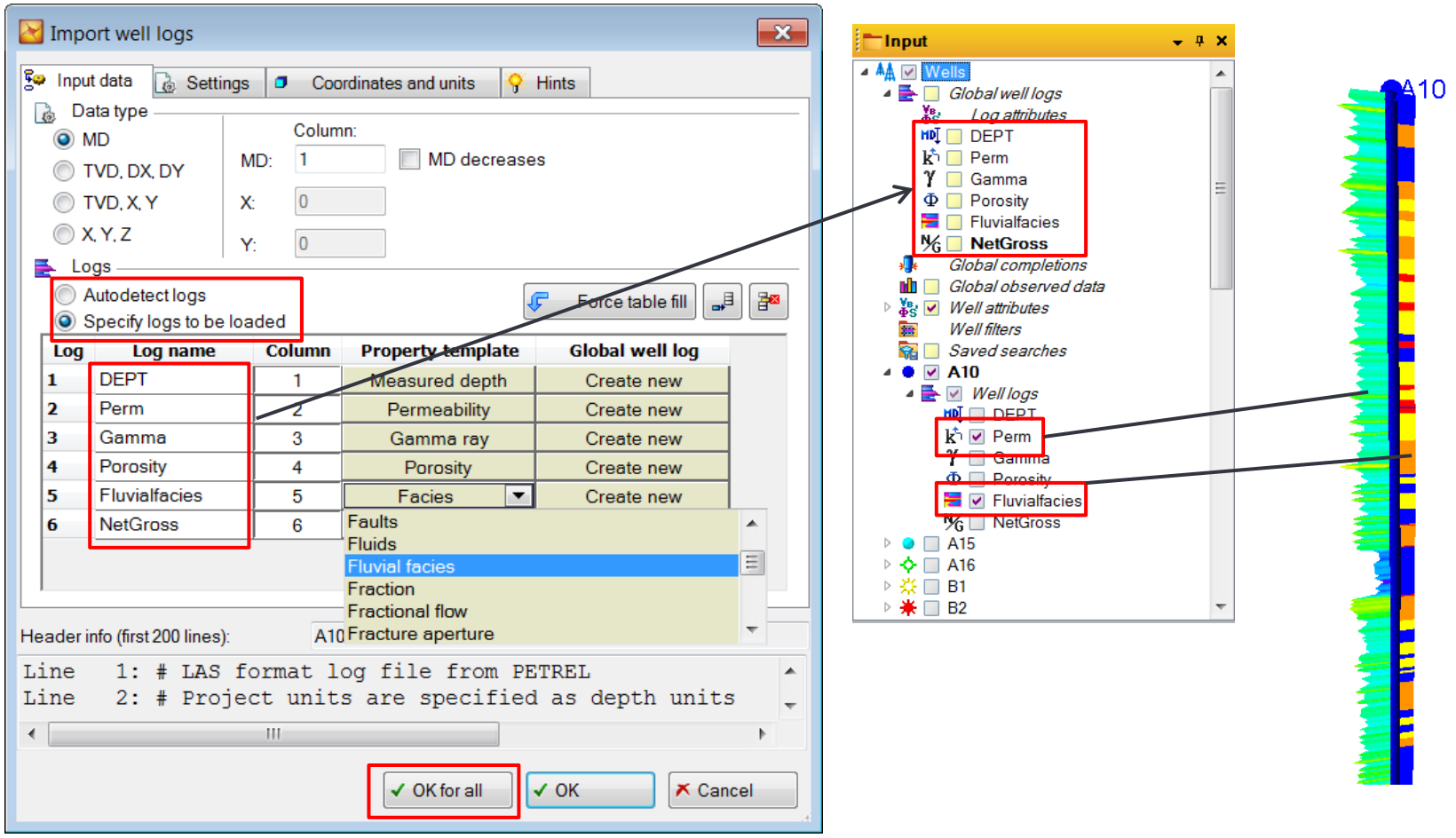
Importing Wells: Well Logs Specify Logs



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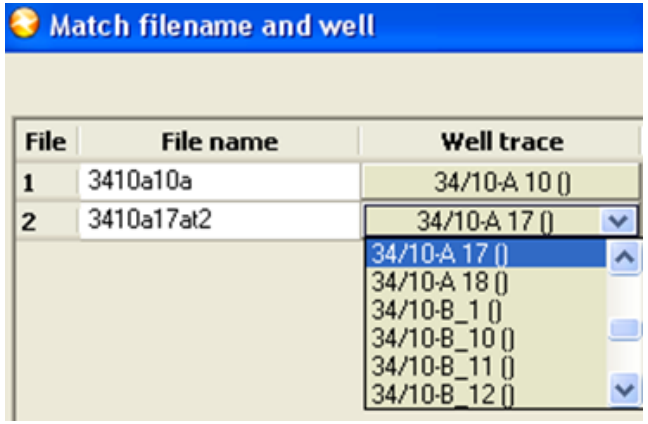
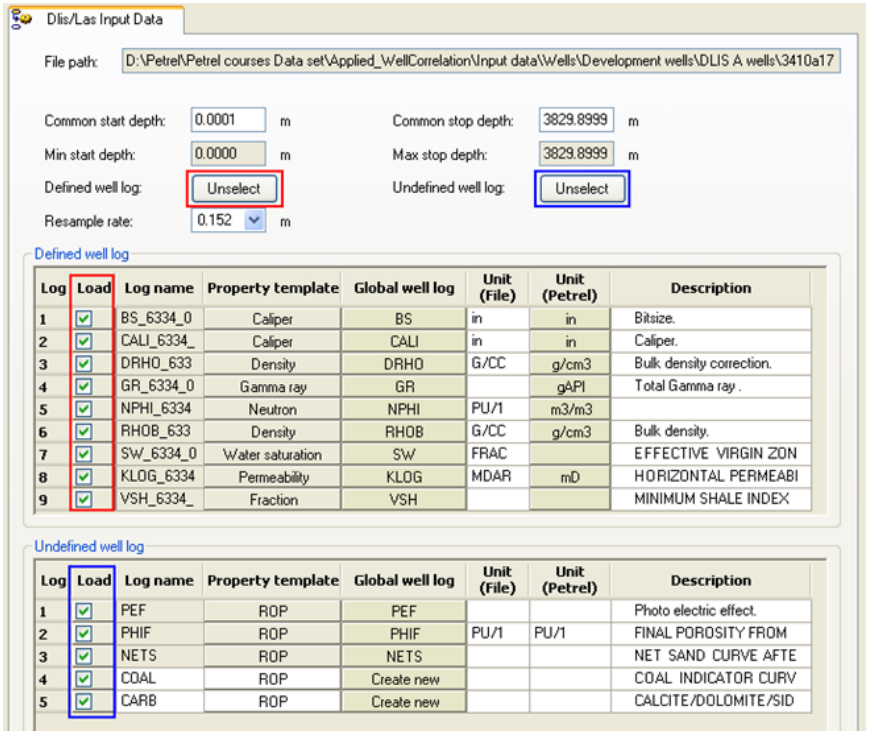
Importing Wells: Well Logs (DLIS)

1. Import (on selection) into the *Wells* folder.
2. Select data files and the correct format (*.DLIS).
3. Match the file name to the well trace name.



4. By default, all logs are selected. If only a few logs should be loaded, click **Unselect** and click **Load in front of the desired logs**. Click **OK**.



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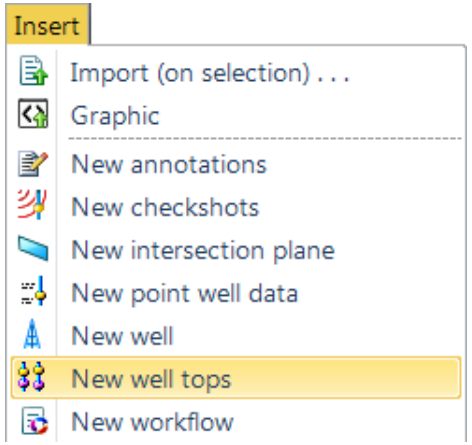
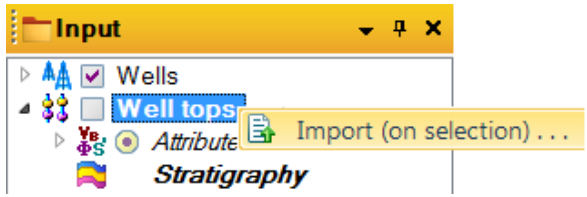
Importing Well Tops

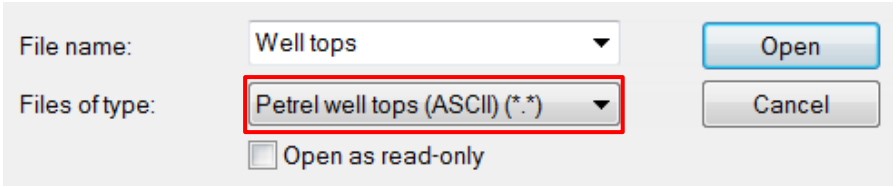
1. Insert a new *Well Tops* folder.



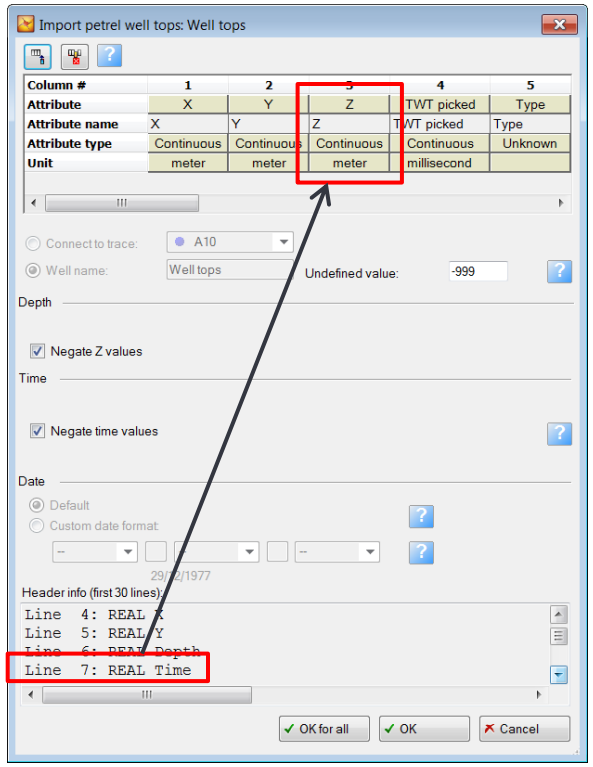
2. Right-click on the *Well Tops* folder and choose **Import (on selection)**.



3. Select the files to import and the correct format.



4. Check the units and attributes and change if necessary. Click **OK for All**.



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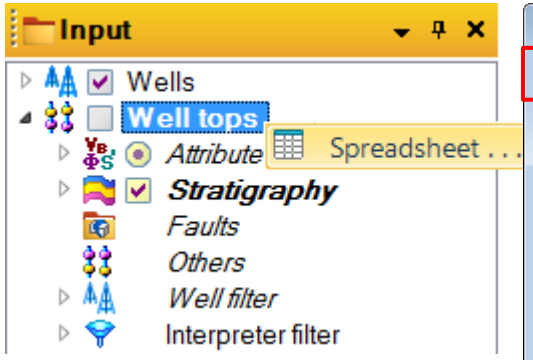
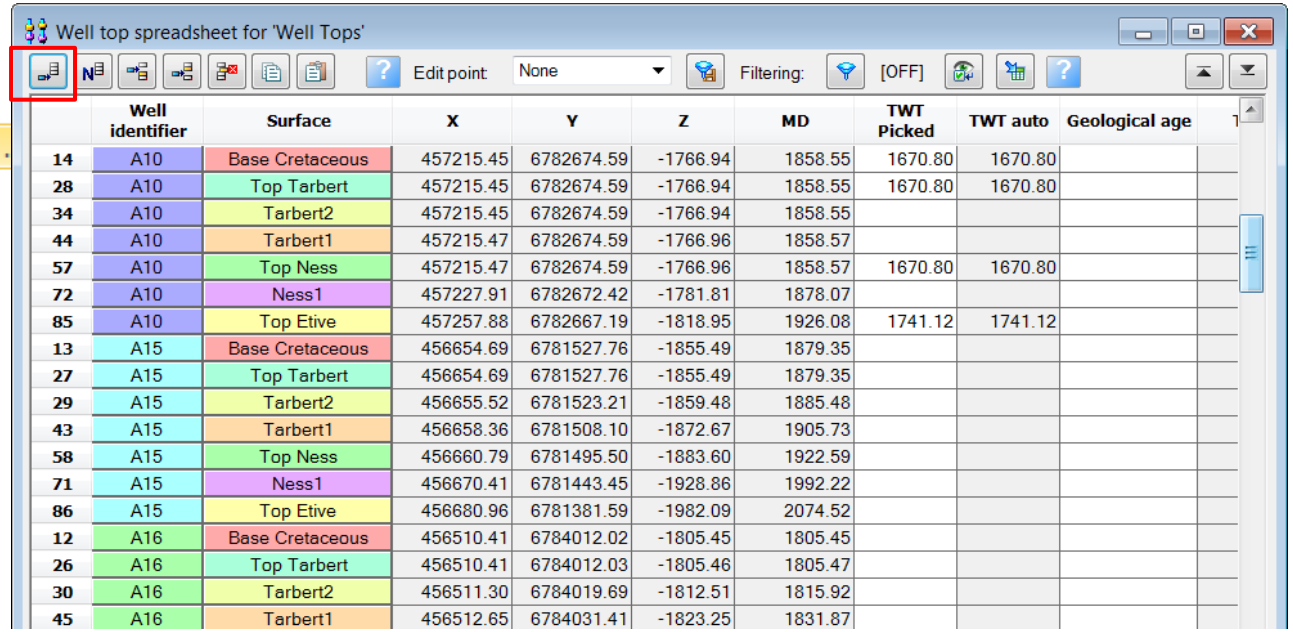
Well Tops Spreadsheet

Well tops are sorted by: Attribute, Stratigraphy (+ Faults and Others) and by Wells.



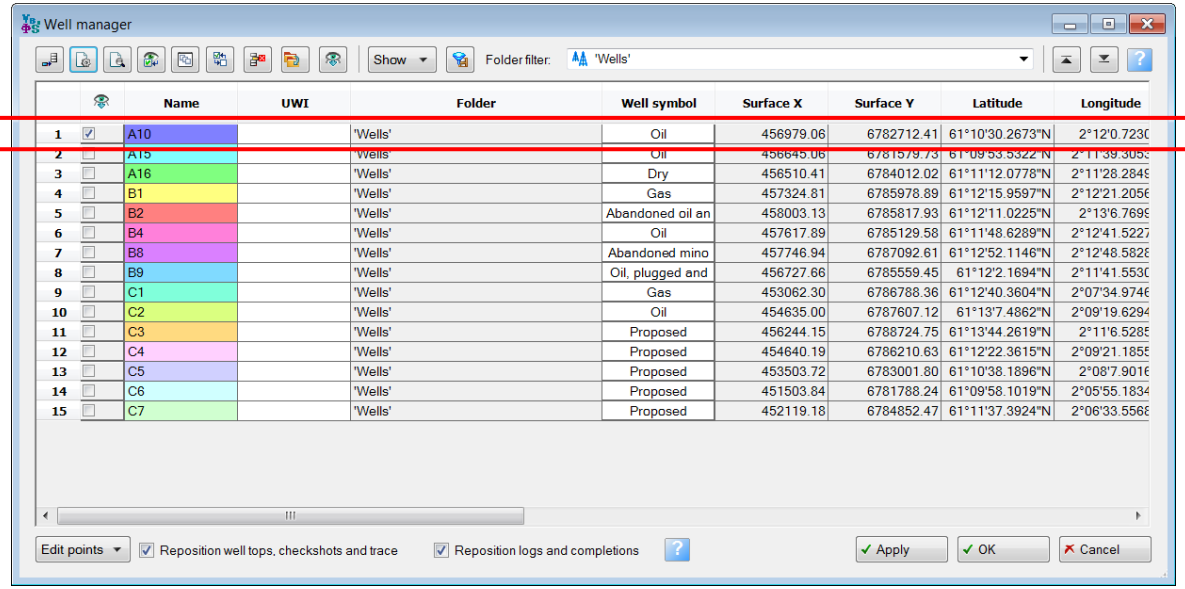


	Well identifier	Surface	X	Y	Z	MD	TWT Picked	TWT auto	Geological age
14	A10	Base Cretaceous	457215.45	6782674.59	-1766.94	1858.55	1670.80	1670.80	
28	A10	Top Tarbert	457215.45	6782674.59	-1766.94	1858.55	1670.80	1670.80	
34	A10	Tarbert2	457215.45	6782674.59	-1766.94	1858.55			
44	A10	Tarbert1	457215.47	6782674.59	-1766.96	1858.57			
57	A10	Top Ness	457215.47	6782674.59	-1766.96	1858.57	1670.80	1670.80	
72	A10	Ness1	457227.91	6782672.42	-1781.81	1878.07			
85	A10	Top Etive	457257.88	6782667.19	-1818.95	1926.08	1741.12	1741.12	
13	A15	Base Cretaceous	456654.69	6781527.76	-1855.49	1879.35			
27	A15	Top Tarbert	456654.69	6781527.76	-1855.49	1879.35			
29	A15	Tarbert2	456655.52	6781523.21	-1859.48	1885.48			
43	A15	Tarbert1	456658.36	6781508.10	-1872.67	1905.73			
58	A15	Top Ness	456660.79	6781495.50	-1883.60	1922.59			
71	A15	Ness1	456670.41	6781443.45	-1928.86	1992.22			
86	A15	Top Etive	456680.96	6781381.59	-1982.09	2074.52			
12	A16	Base Cretaceous	456510.41	6784012.02	-1805.45	1805.45			
26	A16	Top Tarbert	456510.41	6784012.03	-1805.46	1805.47			
30	A16	Tarbert2	456511.30	6784019.69	-1812.51	1815.92			
45	A16	Tarbert1	456512.65	6784031.41	-1823.25	1831.87			

After import, additional well tops or well cuts can be added by appending a new row in the Spreadsheet. Well tops also can be copied from an Excel file (Ctrl+C/Ctrl+V).

Well Manager

All information is associated with each wellbore and presented in a user-friendly spreadsheet format. Each well in the project is represented as a row, with all associated attributes listed as columns. Most fields are editable, allowing copy/paste from other spreadsheets.



	Name	UWI	Folder	Well symbol	Surface X	Surface Y	Latitude	Longitude
1	A10		'Wells'	Oil	456979.06	6782712.41	61°10'30.2673"N	2°12'0.723(
2	A15		'Wells'	Oil	456645.06	6781579.73	61°09'53.5322"N	2°11'39.305
3	A16		'Wells'	Dry	456510.41	6784012.02	61°11'12.0778"N	2°11'28.284
4	B1		'Wells'	Gas	457324.81	6785978.89	61°12'15.9597"N	2°12'21.205
5	B2		'Wells'	Abandoned oil an	458003.13	6785817.93	61°12'11.0225"N	2°13'6.769
6	B4		'Wells'	Oil	457617.89	6785129.58	61°11'48.6289"N	2°12'41.522
7	B8		'Wells'	Abandoned mino	457746.94	6787092.61	61°12'52.1146"N	2°12'48.582
8	B9		'Wells'	Oil, plugged and	456727.66	6785559.45	61°12'2.1694"N	2°11'41.553(
9	C1		'Wells'	Gas	453062.30	6786788.36	61°12'40.3604"N	2°07'34.974
10	C2		'Wells'	Oil	454635.00	6787607.12	61°13'7.4862"N	2°09'19.629
11	C3		'Wells'	Proposed	456244.15	6788724.75	61°13'44.2619"N	2°11'6.528
12	C4		'Wells'	Proposed	454640.19	6786210.63	61°12'22.3615"N	2°09'21.185
13	C5		'Wells'	Proposed	453503.72	6783001.80	61°10'38.1896"N	2°08'7.901
14	C6		'Wells'	Proposed	451503.84	6781788.24	61°09'58.1019"N	2°05'55.183
15	C7		'Wells'	Proposed	452119.18	6784852.47	61°11'37.3924"N	2°06'33.556