

# KellyDown Tips

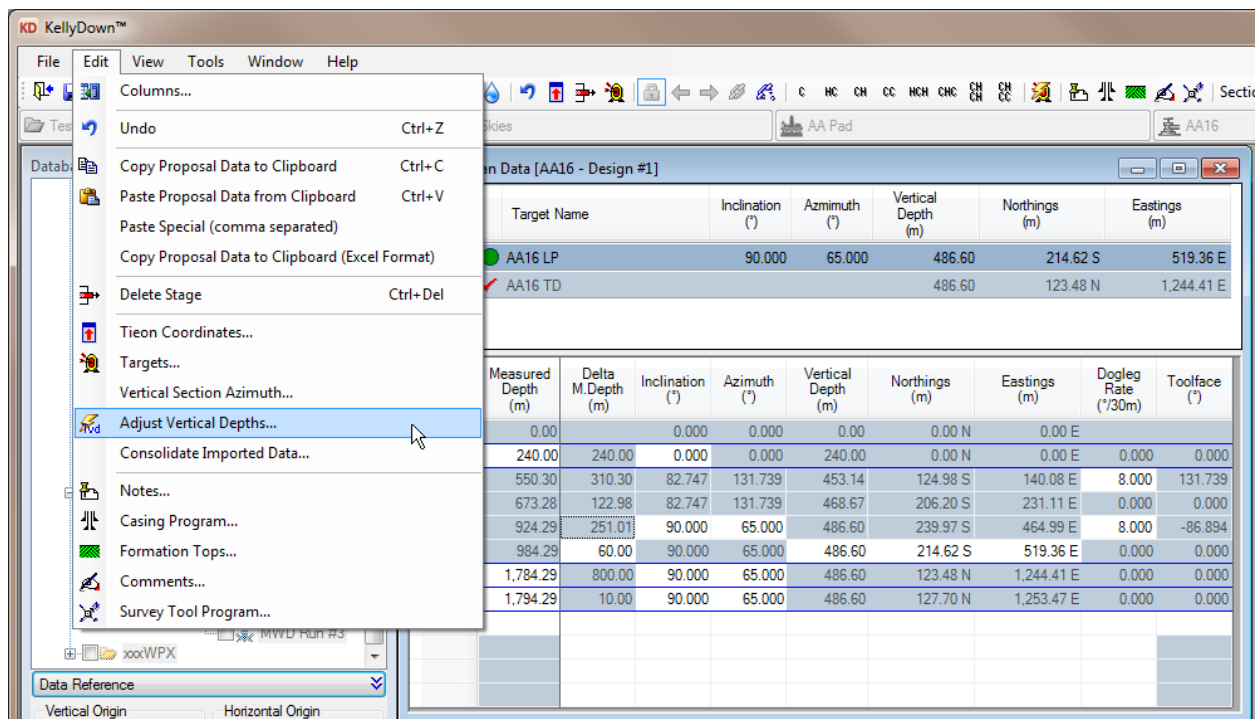
Periodic tips to help you use KellyDown more effectively

## How to move targets and update proposal data

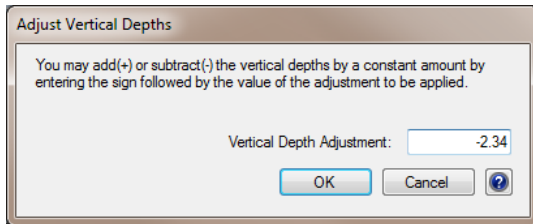
**Problem:** My customer often shifts the location and attitude of targets during the drilling stage as more information becomes available about the producing zone. Is there any way to easily update the targets and proposal data in KellyDown?

**Solution:** The proposal data in KellyDown is configured in such a way that it is easy to adjust the proposal and the location of targets after the fact. First though, the proposal data must be configured such that it is easy to manipulate (see the **KellyDown Tips for Modifying Imported Proposal Data**).

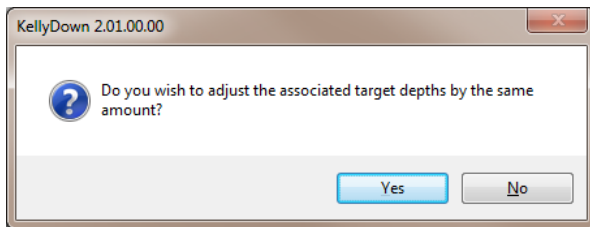
If all the targets associated with the proposal and the proposal data itself has been moved vertically up or down, select **Adjust Vertical Depths** from the **Edit** menu.



Enter the amount by which the proposal data needs to be moved either up or down and click on the **OK** button.



You will then be prompted whether you wish to move all the targets associated with the current proposal by the same amount. Click **Yes**.



Notice that the targets and proposal data has been shifted by the specified amount.

KD Well Plan Data [AA16 - Design #1]						
	Target Name	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Northings (m)	Eastings (m)
1	AA16 LP	90.000	65.000	486.60	214.62 S	519.36 E
2	AA16 TD			486.60	123.48 N	1,244.41 E

No.	Measured Depth (m)	Delta M.Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Northings (m)	Eastings (m)	Dogleg Rate (°/30m)	Toolface (°)
1	0.00		0.000	0.000	0.00	0.00 N	0.00 E		
2	237.66	237.66	0.000	0.000	237.66	0.00 N	0.00 E	0.000	0.000
3	546.08	308.42	82.246	131.752	450.55	123.77 S	138.66 E	8.000	131.752
4	671.09	125.01	82.246	131.752	467.42	206.26 S	231.08 E	0.000	0.000
5	922.26	251.16	90.000	65.000	486.60	239.97 S	464.99 E	8.000	-86.683
6T	982.26	60.00	90.000	65.000	486.60	214.62 S	519.36 E	0.000	0.000
7T	1,782.25	800.00	90.000	65.000	486.60	123.48 N	1,244.41 E	0.000	-90.000
8	1,792.25	10.00	90.000	65.000	486.60	127.70 N	1,253.47 E	0.000	0.000

You may also change the target depth and/or inclination and azimuth and then cause the proposal stage associated with that target to update.

As an example, let's reset the target named AA16 LP back to 486.60 metres and also increase the entry inclination by one degree and the azimuth by ten degrees.

Double click on the target named AA16 LP and change the vertical depth relative to the well back to 486.60 metres.

Target Properties

Target ID: AA16 LP Target Name: AA16 LP

General 2D Entry Plane 3D Coordinates Notes

Target Type: Current Target

Target Shape:
 

- Point
- Circle
- Ellipse
- Polygon

Target Colour: XXXX

Circle Properties:
 

- Thickness: 800.00 Radius: 10.00
- Plane Inclination: 90.000 Centre Offset - X: 0.00
- Plane Azimuth: 65.000 Centre Offset - Y: 0.00
- Same as Entry Point

Target Entry Point Coordinates

Relative to:	Global Origin (Grid North)	Project Origin (Grid North)	Site Origin (Grid North)	Well Origin (Grid North)	Geographical Origin (True North)
Vertical Depth:	-143.01	480.44	485.00	486.60	
Northings:	6,789,115.59 N	103.25 N	242.42 S	214.62 S	61° 13' 52.9605" N
Eastings:	573,012.40 E	5,122.28 E	554.39 E	519.36 E	109° 38' 24.5299" W
Displacement:	6,813,254.27	5,123.32	605.08	561.96	
Direction:	4.824	88.845	113.618	112.452	

Locked  
 Active

Entry Inclination: 91.000  Float  
 Entry Azimuth: 75.000  Float

Creation Date: 28/11/2012  
 Last Update Date: 29/07/2013  
 Update User ID: Admin

OK Cancel

Click on the **OK** button and notice that the row header now reads **6t** instead of **6T**, meaning that although the row is still associated with the target, it no longer penetrates the target plane at the right depth or the right inclination and azimuth.

Right click on the row header for row #6 and select **Hit Target Entry Point** from the popup menu.

KD Well Plan Data [AA16 - Design #1]

	Target Name	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Northings (m)	Eastings (m)
1	AA16 LP	91.000	75.000	486.60	214.62 S	519.36 E
2	AA16 TD			484.26	123.48 N	1,244.41 E

No.	Measured Depth (m)	Delta M.Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Northings (m)	Eastings (m)	Dogleg Rate (°/30m)	Toolface (°)
1	0.00		0.000	0.000	0.00	0.00 N	0.00 E		
2	237.66	237.66	0.000	0.000	237.66	0.00 N	0.00 E	0.000	0.000
3	547.96	310.30	82.747	131.739	450.80	124.98 S	140.08 E	8.000	131.739
4	670.94	122.98	82.747	131.739	466.33	206.20 S	231.11 E	0.000	0.000
5	921.95	251.01	90.000	65.000	484.26	239.97 S	464.99 E	8.000	-86.894
6t	981.95	60.00	90.000	65.000	484.26	214.62 S	519.36 E	0.000	0.000
7					484.26	123.48 N	1,244.41 E	0.000	0.000
8					484.26	127.70 N	1,253.47 E	0.000	0.000

Recalculation Policy  
**Hit Target Entry Point**  
 Update Target Entry Point  
 Locate Current Target Here  
 Adjust Target Entry Point...  
 Remove Target Association...  
 Delete Stage

The proposal now penetrates the target centre but the inclination and azimuth are set in row #5 so change the them to 91 degrees and 75 degrees respectively.

KD Well Plan Data [AA16 - Design #1]										
	Target Name	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Northings (m)	Eastings (m)				
▶ 1	✓ AA16 LP	91.000	75.000	486.60	214.62 S	519.36 E				
2	● AA16 TD			486.60	123.48 N	1,244.41 E				

No.	Measured Depth (m)	Delta M.Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Northings (m)	Eastings (m)	Dogleg Rate (°/30m)	Toolface (°)
1	0.00		0.000	0.000	0.00	0.00 N	0.00 E		
2	237.66	237.66	0.000	0.000	237.66	0.00 N	0.00 E	0.000	0.000
3	543.06	305.40	81.440	125.314	450.12	105.71 S	149.23 E	8.000	125.314
4	704.60	161.55	81.440	125.314	474.17	198.05 S	279.58 E	0.000	0.000
5	896.00	191.40	91.000	75.000	487.65	230.14 S	461.41 E	8.000	-81.697
▶ 6T	956.00	60.00	91.000	75.000	486.60	214.62 S	519.36 E	0.000	0.000
7T	1,760.12	804.12	89.000	55.000	486.60	123.48 N	1,244.41 E	0.750	-95.653
8	1,770.12	10.00	89.000	55.000	486.77	129.21 N	1,252.60 E	0.000	0.000

Now the proposal penetrates the target at the specified inclination and azimuth and the row header reads **6T** to indicate so. All other lines are adjusted so they continue to conform to the original specifications.

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If you have a question you would like answered in KellyDown Tips, reply to this email with your question.  
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