# **PathTracker**

### **BUILD & HOLD WELLS**

## **Well Planning Information & Worksheet**

Creating a Two-Dimensional Well Plan has never been easier. Follow the steps below to create a build and hold well profile using the PathPlanner Well Planning Program from Onscreen Software Solutions

Step 1: Describe The Target	
Target True Vertical Depth: Enter the coordinates for the target in <b>ONE</b> of the	following forms:
RECTANGULAR COORDINATES	POLAR COORDINATES
North(+) / South (-):	Horizontal Displacement:
East(+) / West(-):	Azimuth Bearing:
Target Radius:	Target Radius:
<b>Step 2: Build Rate (Dogleg Severity)</b> Enter your requested (or suggested) Build Rate in	°/30 m or °/100 ft(if you are uncertain, try 2.5).
Build Rate:	
Step 3: Anticipated Terminal Angle	
Suggested Terminal Angle:	
<b>Step 4: Start the Program</b> From PathTracker's " <i>Tools</i> " Menu, select " <i>PathPlar</i> description and click "OK".	nner Well Planning Program". Enter data for the well
Step 5: Enter Target Data  Double Click on the Target Data at the bottom of boxes. (Note: You only have to enter polar OR recommendation)	the screen. Enter the data above into the appropriate tangular coordinates, not both.)
<b>Step 6: Find the Kick Off Point (KOP)</b> If you know the KOP that you want to use then en	ter it and go to Step 7.
Otherwise: Select "Find Kick Off Point" from the "C DogLeg until you achieve an acceptable KOP.	Calculators" Menu. Adjust the Terminal Angle and the

You can click on "Apply" at this time to finish your plan (and then go to Step 9), or click "Cancel" to hand

enter the KOP.

Kick Off Po	oint (KOP):				
Double Click	t the Tie-In (#0) Sur k on the First Survey s. Click "OK".	-	e KOP depth into th	e Measured Depth	and True Vertical
•	sh The Plan to the add Segment" menu,	•	<i>rget</i> ". The segments	s required to comp	lete your plan are
From the "A	nplete the Plan to 1 add Segment" menu, nich you wish to term	select other segme	ents to plan the late	ral section of the w	rell. Enter the
Total Dep	th(TD):				
If you want interpolation	Id Interpolation Poyour plan to clearly in points to mark the Depth " or "True Vertinecessary.	dentify formation t m. From the " <i>Edit</i> "	tops or other points menu, select " <i>Add I</i>	s in the well, we nee Interpolation Point"	and select either
Point 1:	MD/TVD	Point 4:	MD/TVD	Point 7:	MD/TVD
Point 2:	MD/TVD	Point 5:	MD/TVD	Point 8:	MD/TVD
Point 3:	MD/TVD	Point 6:	MD/TVD	Point 9:	MD/TVD

### **Step 11: Create a Survey File**

Now we need to interpolate the points in between our segment starting and end points so that we can obtain an accurate picture of our plan. From the "File" menu, select "Create Survey File". The default interval is 30 meters or 100 feet. You can change this to any interval you want. A zero (0) value will create a file with the points in the segment plan only.

### **Step 12: Add Text Annotations to the Planned Survey**

If you created interpolation points in Step 10, you may want to add lines of text to your printouts to identify these points. From the "Edit" menu, select "Edit Text Annotations", or just click on the "Text" button. You can now enter the depths from Step 10, and type in any associated text to display at that point. Note: Text only displays on print outs when "Show Annotations" on the Print Window is checked.

**THAT'S IT! YOU'VE CREATED A WELL PLAN**. You can now print your plan or view it with any of PathTracker's graph features.

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