eLearning Storyboard Template

Sample eLearning Project

Authored by: Project Manager

For: Client Name Contract: C#

Date: Month Year

Version: V1.0

Client Name: Sample Client

Project Name: Sample eLearning Project

Chapter/Section/Module Title: Sample Chapter Title (adjust to what you are calling the sections or chapters or modules)

Chapter/Section/Module Number: Sample Module 1 (adjust to what you are calling the sections or chapters or modules)

Learning Objectives: (Sample Objectives)

After completing this section the student will be able to:

- Understand the elements on the page for Single Case (landscape of web page: data input and output blocks, linked technical references, and warnings).
- Understand the BP preferred fluid option (External Fluid Properties). Will only make limited reference to Built-In Fluid Properties option (briefly: when other option could be used and the limitations; why other option is not preferred).
- Understand the source / basis for preferred fluid properties input data (BP Flow Assurance collaboration).
- Understand the input data and relative limits (how to respond when input conditions are outside of the model limits where to go to find answers).
- Understand the engineering unit options and use (metric, imperial units).

Version	Step	Author/Reviewer	Date
1.0	Content creation	Steph Smith	10/10/2015

External Fluid Properties

Run

Built-In Fluid Properties

Run Multiple Cases

Chapter Title

Background is dev/nav container.

Technical User Manual

Page 2 of 10

Training Material

Inputs/Process Conditions Outputs Parameter Units Value Parameter Value Unit 28.75 mpy Long Radius Elt V Geometry Penetration Rate 0.73 mm/yr r/D Material Type 13Cr Heat Treat ∨ Brinell Hardness 5.76 Pipe Diameter Sand Particle Size **SAMPLE SCREEN SHOT** Particle Density Sand Particle Rate lb/ft3 Water Density ср Water Viscosity ft/s 0.0323 Water Rate Oil Density lb/ft3 ср 0.575 Oil Viscosity ft/s 0.1078 Oil Rate 3.2 lb/ft3 Gas Density ср Gas Viscosity 0.0128 52.5 ft/s Gas Rate

Chapter title: Chapter 1 (add name here)
Screen title: Screen 1 (add name here)
Chapter/section 1.0 (just the number here)
RIO number: 1RIO1 (chapter number + actual slide number starting with 01)

Voice Over Script

(Add voice text here)

In this lesson you will learn:

- How to use sand particle size distribution instead of average sand particle size to better estimate the erosion rate in the Multi-Case sheet.
- How to use the Multi-Case sheet functionality to copy and paste data, and;
- How to calculate the **total erosion rate** from the resultant model output.

Click Next to begin.

Actions/Interactions

(Add notes for any actions or movements or highlighting here.)

<u>Images</u>

(Add names of image files used here.)







Flow Regime

Churn/Slug









eLearning Name

Chapter Title

200										
BP	BP Erosion Model – Version	Workbook Version	3.0.0.0	Web Service Vers	3.0.0.0					
Confidential	Status: Connected to BP Erosion Mod									
Calculations Completed	Case Number	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7	Case 8	Case 9
ReCalculate All	User Notes:	Testing Sample 1	Testing Sample 2	Testing Sample 3	Testing Sample 4	Testing Sample 5	Testing Sample 6	Testing Sample 7	Testing Sample 8	Testing Sample 9
Process Conditions										
Geometry Type		Elbow	Elbow	Long Radius Elbow	Straight Pipe					
r/D(Long Radius Elbow)				1.5						
Material Type		Carbon Steel/Other	13Cr Annealed	Carbon Steel/Other	Carbon Steel/Other					
Brinell Hardness		160	160	160	160	160	160	160	160	160
Pipe Diameter	Inches 🔻	5.76	5.76	5.76	8					
Sand Particle Size	microns	150	160	160	160					
Particle density	kg/m3	2650	2650	2650	2650	2650	2650	2650	2650	2650
Sand Particle Rate	lb/day ▼	75	125	150	165					
Water Density	IbHt3	56.5	56.5	56.5	56.5					
Water Viscosity	ср	0.8	0.8	0.8	0.8					
Water Rate	ftls	1.5	1.7	2	2					
Oil Density	Ib/ft3	53.6	53.6	53.6	53.6					
Oil Viscosity	ср	2.5	3	3	3					
Oil Rate	ft/s	2.2	2.5	2.75	3.2					
Gas Density	Ib/ft3 ▼	3.35	3.35	3.35	3.35					
Gas Viscosity	ср	0.011	0.015	0.015	0.015					
Gas Rate	ft/s	5	7	9	10.5					
Flow Regime		Churn/Slug	Churn/Slug	Churn/Slug	Annular					
Outputs										
Penetration Rate	mpy									
	mm/yr									
Warnings										

Also add any text that should appear on the screen.

Chapter title: Chapter 1 (add name here)
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Chapter/section 1.0 (just the number here)
RIO number: 1RIO1 (chapter number + actual slide number starting with 01)

Voice Over Script

Using the Multi-Case sheet, we can predict the erosion rate by **combining** the erosion prediction for multiple cases, **each** representing a sand size range.

Actions

Highlight the Sand Particle Size row as it is mentioned in the voice.

Images Image is PSD1.png













