

SINGLE PHASE EXAMPLE

Gas Producer

1. DESCRIPTION -

Multiple surveys in a gas producer
Identify the source of the gas production
GR, ILSR, CFSR, PRES, DTEM, GRADIO, CS

2. EXAMPLE OBJECTIVES

Perform a complete interpretation from LAS files through to interpreted report

3. DATA FILES

P1, P2, P3 Producing Survey LAS Files
S1 Shut in LAS Files
MD-TVD Spreadsheet
Single Phase Gas Producer PVT.epv file
Single Phase Gas Producer Units.eun file

4. ADDITIONAL INFORMATION

SI

P1 Qmax	10bwpd	19.985MMscf/D
P2 Q2/3	19bwpd	14.349MMscf/D
P3 Q1/3	2.2bwpd	6.189MMscf/D

Oilfield units.. (except for depth = metres & Cable Speed m/min)

LOAD eun file

Deviation 16deg.

Casing ID 3.958"

Use Absolute roughness default for new steel

Perfs

3874.5 – 3888.5

3909.5 – 3921.5

Gradio already corrected for deviation

Blade Diameter CFSR 1.731"

Blade Diameter ILSR 1.2205"

PVT

Water Salinity = 500ppm

Gas SG = 0.7

Unrecognised mnemonics CFSR, CWHR, DCCL, GRAY, ILSR, DTEM