Multiphase Flow Meter

Sergey Shumilin Co-founder





What DIP can measure

Main



Gas flow rate



Oil flow rate



Water flow rate

Additional



Flow velocity



GVF



Watercut



Density



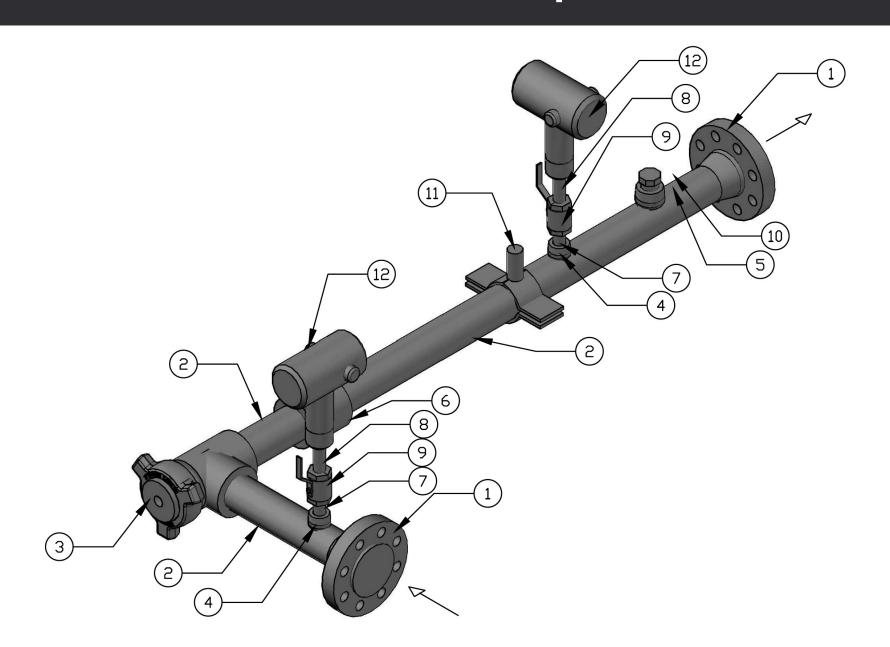
Liquid viscosity (developing)



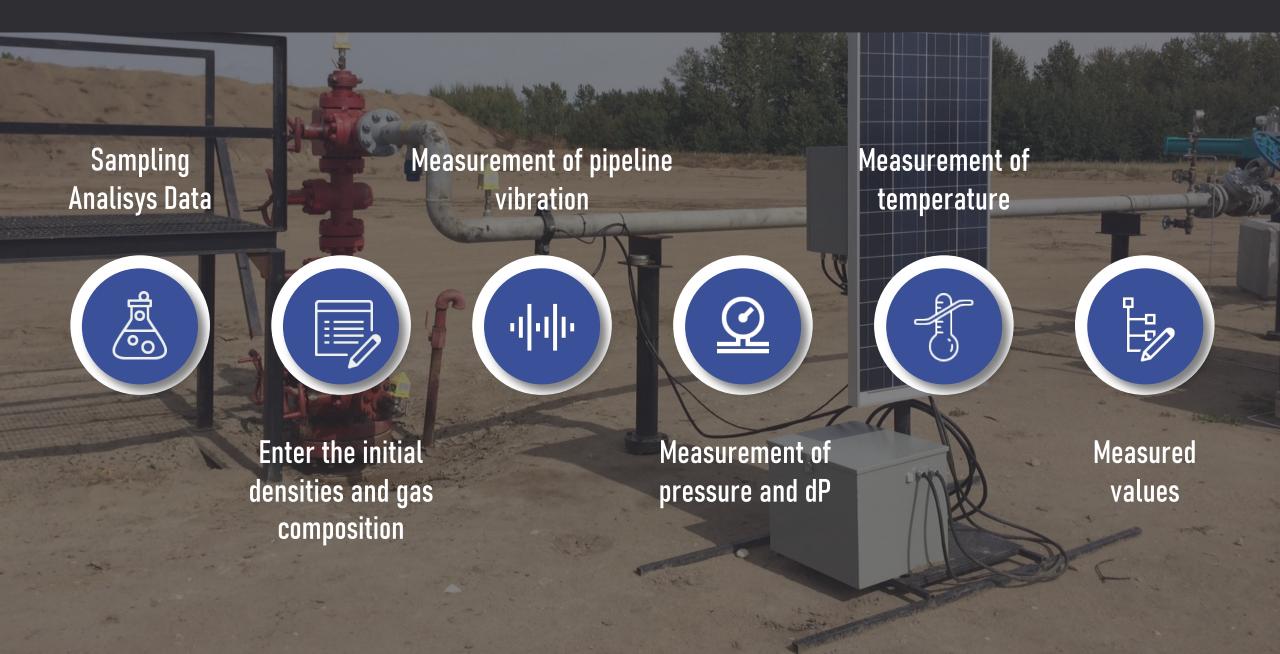
Sand rate (developing)



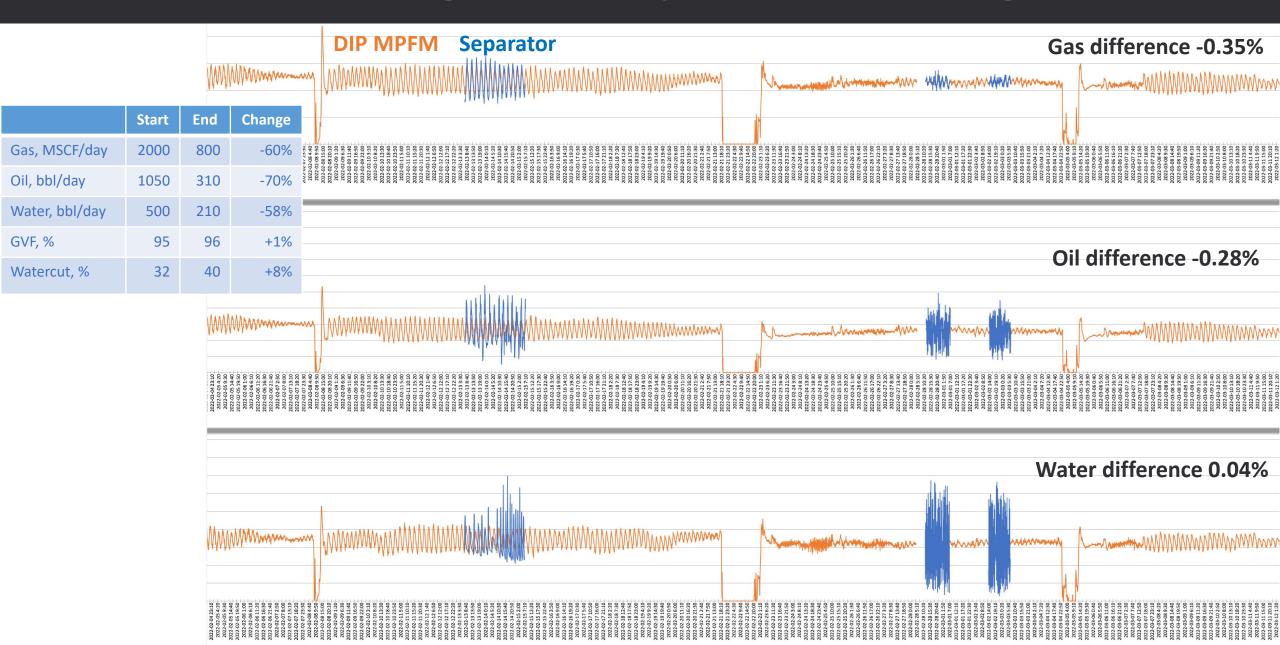
DIP Flow Sensor Spool



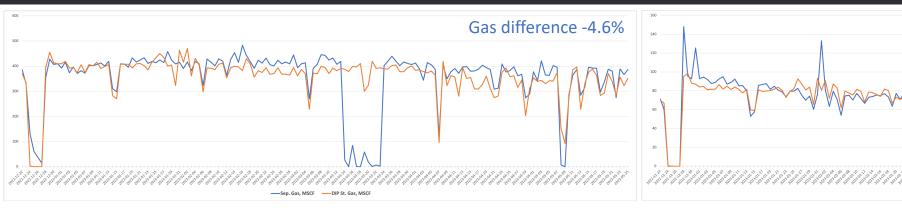
Method of measurement

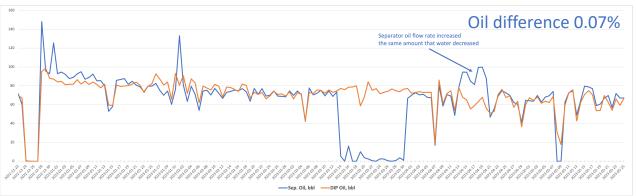


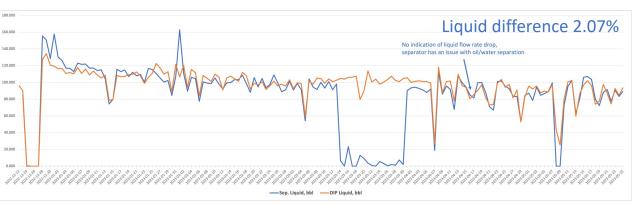
Flow rates comparison during 4 months well test (part)



Daily flow rates comparison during 155 days test









Change in flow rates during the test			
	From	То	Change
Gas, MSCF/day	470	350	-25%
Oil, bbl/day	100	67	-33%
Water, bbl/day	35	27	-23%
Liquid, bbl/day	135	94	-30%

Limitations

