

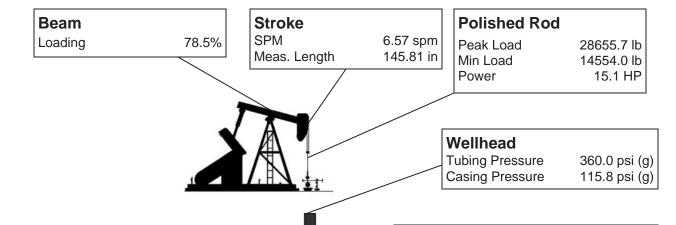
Horseshoe (WHT 138) 06/24/2015 08:51:06PM

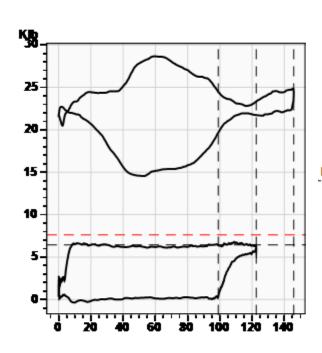


Hoefs Trust #1H

C-912-365-168 100HP/?A Electric 24 hr/day

Stroke 31 of 50





LL = 5095 ft

	Diameter (in) / Length (ft)	Grade	Modified Goodman (85%)	Stress (lb)	Sensitivity (85%, H)
	1 2600	Н	85.8%	36485.5	85.8%
	0.875 2700	Н	84.5%	35922.5	84.5%
	0.75 3650	Н	83.3%	35387.7	83.3%
	1.5 350	Н	12.4%	5288.6	12.4%
ł					

Rod Loading

Production				
Oil	45 BBL/D			
Water	40 BBL/D			
Gas	82 BBL/D			

System Efficiencies	
Polished Rod/Motor Eff.	* *
Pump/Motor Eff.	* *
Volumetric Eff.	80.7%

Pump (API: 25-175 RHBC 24-4)

Max Stroke Length122.59 inGas Free Plunger Stroke98.98 inGas Free Fillage80.7%Gas Free Slippage16 BBL/DGas Free Displacement206 BBL/D

Calculated Fluid Load Max 7608.4 lb
Pump Fluid Load, Fo(Up-Dn) 6303 lb
Damp Up 0.14346 Damp Dn 0.14346
Kr 156 lb/in
Kt 744944 lb/in

Pump Intake Pressure 542.7 psi (g) Pump HP 10.7 HP

Comments and Recommendations

Pump fillage ranged between 62-85% due to gas interference. (The well is above the perfs and an insufficiently long Gas Anchor was run: only a 12" strainer)

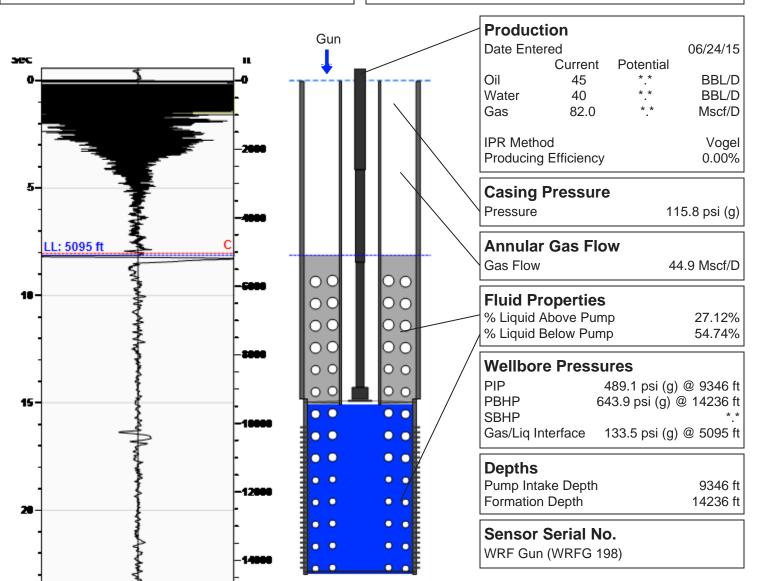
Downhole Diagnostic Shawn Dawsey shawn@DownholeDiagnostic.com www.DownholeDiagnostic.com

(((ECHOMETER))) Hoefs Trust #1H 06/24/2015 08:17:56PM

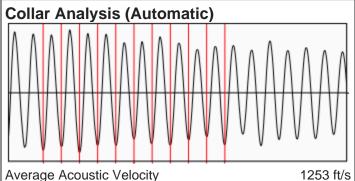


Liquid Level 5095 ft

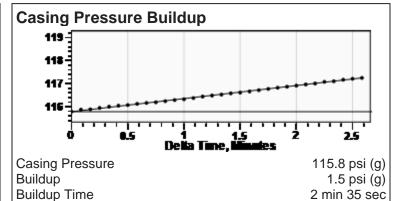
Fluid Above Pump	4250 ft
Equivalent Gas Free Above Pump	1152 ft



Gas Gravity



Average Acoustic Velocity 1253 ft/s
Average Joints Per Sec. 18.68 Jts/sec
Joints To Liquid 151.82 Jts



Comments and Recommendations

On Djax POC (87% avg RT with 16 DeltaT). Note the high amount of liquids residing above the pump yet the pump is not filling 100%.

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0.7416 Air = 1