

# Permanent Monitoring Installation Report



<b>Field Ticket #</b>	RGS1905161822	<b>EOT</b>	839.0 m MD
<b>Client</b>	Santos Ltd	<b>Tubing Size</b>	2-3/8in 4.7 lb/ft
<b>Well Name</b>	RM50-88-1	<b>Casing Size</b>	7in 23lb/ft
<b>Well Location</b>	Roma	<b>SHP</b>	0 psi
<b>Rig</b>	WildDesert 4	<b>BHP</b>	1171 psi
<b>Customer Rep</b>	Tony Robitaille	<b>SHT</b>	20 °C
<b>Service Eng</b>	Ben Cosgrove	<b>BHT</b>	45 °C

<b>Activity</b>	<b>Date</b>	<b>Time</b>	<b>Activity</b>	<b>Date</b>	<b>Time</b>
Depart Base	16-May-19	15:00	Job End	16-May-19	19:45
Job Start	16-May-19	16:45	Return Base	16-May-19	20:15

Gauge Use	Pump Control	Surface Card	Not required
Gauge Depth	807.41 m	Telemetry	Analogue
Gauge Type	4-20mA 0-1.5k psi, 105 DegC	Surface Output	4-20mA
Pres Range	0-1500 psia	Cable Splice Depth	N/A
Batch	Mar 19" Rev 2	Tubing Hanger	1/4in NPT - 1/4in Swagelok
Max Devi	0.0°	Wellhead Outlet	AnTech Type C S/N 19-004136

<b>TEC Cable</b>	0.25" x 11mm Encap	Encapsulation	Square 11mm
Serial Number	7020095410/20	Manufacturer	Draka
Conductor	16 AWG Solid Copper	Material	Polypropylene
Tube OD	0.25"	Pres Rating	15 kpsi
Material	316L SS	Temp Rating	150 DegC

<b>Gauge</b>	Analogue	Pres Sensor	Piezoresistive
Serial Number	LC00322	Calibration Range	0 -1500 psia
Depth	807.41 m	Temp Sensor	N/A
OD	1"	Temp Range	N/A
Vibration	N/A	Vibration Range	N/A

Gauge Carrier	Cannon Clamp Type with Vibration Sleeve
Running OD	4.600"
Serial Number	N/A
Cross Coupling Protectors	2-3/8in - 3-1/2in Wiper Blade Style Stainless Steel
Running OD	4.000"
Qty Installed	85
Bands and Clips Material	0.25" x 0.75" w-7/8" Buckle 316SS
Qty Installed	172

Comments: Gauge Carrier installed 2 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 85 banded CCP. Installed 2 x 1/4in NPT fittings in the hanger and pressure tested. Nipped down and installed Rod lock and AnTech wellhead outlet.

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Sequence of Events		
Date	Time	Description
16-May-19		Wildesert Rig Crew to perform Gauge install.
		Pick up Sheave and make up BHA.
		Make up gauge carrier and gauge to completion.
		RIH first 4 joints then increase back tension on spooling unit.
		Installed 85 banded cross coupling protectors.
	15:00	Depart Base
	16:00	Arrive at location
	16:45	Make up hanger.
		Strip encapsulation and pass cable through tubing hanger and tighten TEC seals.
	17:15	Land hanger and start pressure test to 1500 psi.
		Rig down floor.
		Nippled down.
	18:45	Land and nipple up rod-lock.
		Pressure test rod lock to 300/3000 psi.
	19:30	Install AnTech wellhead outlet.
	19:45	Final gauge reading 1170.55 psia.
		Prepare report.
	20:15	Depart location for Roma.
	21:15	Arrive at Roma.