

# Permanent Monitoring Installation Report



<b>Field Ticket #</b>	RGS1905230221	<b>EOT</b>	712.5 m MD
<b>Client</b>	Santos Ltd	<b>Tubing Size</b>	2-3/8in 4.7 lb/ft
<b>Well Name</b>	RM09-63-1	<b>Casing Size</b>	7in 23lb/ft
<b>Well Location</b>	Roma	<b>SHP</b>	0 psi
<b>Rig</b>	Savanna 71	<b>BHP</b>	867 psi
<b>Customer Rep</b>	Glen Fiala	<b>SHT</b>	20 °C
<b>Service Eng</b>	K. Rowbotham	<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	21-May-19	0:30	Job End	23-May-19	5:50
Job Start	21-May-19	2:00	Return Base	23-May-19	6:10

Gauge Use	Pump Control	Surface Card	Not required
Gauge Depth	642.27 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 Gauge Ver2	Tubing Hanger	1/4in NPT - 1/4in Swagelok
Max Devi	0.0°	Wellhead Outlet	AnTech Type C S/N 19-004127

<b>TEC Cable</b>	0.25" x 11mm Encap	Encapsulation	Square 11mm
Serial Number	7020093071/30	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	LC00320	Calibration Range	0 -1500 psia
Depth	642.27 m	Temp Sensor	N/A
OD	1"	Temp Range	N/A
Vibration	N/A	Vibration Range	N/A

Gauge Carrier	Welded Pup Joint
Running OD	4.000"
Serial Number	N/A
Cross Coupling Protectors	2-3/8in - 3-1/2in Wiper Blade Style Stainless Steel
Running OD	4.000"
Qty Installed	66
Bands and Clips Material	0.25" x 0.75" w-7/8" Buckle 316SS
Qty Installed	137

Comments: Gauge Carrier installed 6 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 66 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
21/05/2019	0:30	Travel to location.
	1:10	Arrive location. Spot equipment.
	2:00	Safety meeting with crew.
	2:10	Pick up Sheave and make up BHA.
	14:30	Make up gauge carrier and gauge to completion.
		RIH first 4 joints then increase back tension on spooling unit.
	9:30	Tagged up on joint 68. Spool cable back on while POOH.
22/05/2019	12:00	Depart location for Roma.
	19:00	Travel to location.
	19:45	Arrive location. Spot equipment.
	21:15	Safety meeting with crew.
	21:30	Pick up Sheave and make up BHA.
	21:45	Make up gauge carrier and gauge to completion.
		RIH first 4 joints then increase back tension on spooling unit.
23/05/2019		Installed banded cross coupling protectors.
	1:45	Make up hanger.
		Strip encapsulation and pass cable through tubing hanger and tighten TEC seals.
	2:00	Land hanger and start pressure test to 1500 psi.
		Rig down floor.
		Nippled down.
	4:30	Land and nipple up rod-lock.
		Pressure test rod lock to 300/3000 psi.
	5:35	Install AnTech wellhead outlet.
	5:45	Final gauge reading 867 psia.
	5:50	Prepare report.
	6:10	Depart location for Roma.
		Arrive at Roma.