

Permanent Monitoring Installation Report



Field Ticket #	RGS1911191000	EOT	909.8 m MD
Client	Santos Ltd	Tubing Size	2-3/8in 4.7 lb/ft
Well Name	RM49-151-1	Casing Size	7in 23lb/ft
Well Location	Roma	SHP	0 psi
Rig	Savanna 71	BHP	1205 psi
Customer Rep	Glen Fiala	SHT	20 °C
Service Eng	Ben Cosgrove / Greg Matson	BHT	45 °C

Activity	Date	Time	Activity	Date	Time
Depart Base	19-Nov-19	1:15	Job End	19-Nov-19	9:45
Job Start	19-Nov-19	2:30	Return Base	19-Nov-19	10:00

Gauge Use	Pump Control	Surface Card	Not required
Gauge Depth	873.54 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	Nov-19	Tubing Hanger	1/4in NPT - 1/4in Swagelok
Max Devi	22.0°	Wellhead Outlet	AnTech Type C S/N 19-028050

TEC Cable	0.25" x 11mm Encap	Encapsulation	Square 11mm
Serial Number	1015132203	Manufacturer	Draka
Conductor	16 AWG Solid Copper	Material	Polypropylene
Tube OD	0.25"	Pres Rating	15 kpsi
Material	316L SS	Temp Rating	150 DegC

Gauge	Analogue	Pres Sensor	Piezoresistive
Serial Number	LC00618	Calibration Range	0 -1500 psia
Depth	873.54 m	Temp Sensor	N/A
OD	1"	Temp Range	N/A
Vibration	N/A	Vibration Range	N/A

Gauge Carrier	Gauge Carrier - 2-3/8" EUE Cannon Clamp Gauge Carrier
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	11
Bands and Clips Material	0.25" x 0.75" w-7/8" Buckle 316SS
Qty Installed	24

Comments: Gauge Carrier installed 3 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 80 Cannon Clamps & 11 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.

Permanent Monitoring Installation Report



Sequence of Events		
Date	Time	Description
19-Nov-19	1:15	Travel to location.
	2:00	Arrive location. Spot equipment.
	2:30	Safety meeting with crew.
	2:45	Pick up Sheave and make up BHA.
	3:30	Make up gauge carrier and gauge to completion.
		RIH first 4 joints then increase back tension on spooling unit.
		Installed 80 Cannon clamps & 11 banded cross coupling protectors.
	6:30	Make up hanger.
		Strip encapsulation and pass cable through tubing hanger and tighten TEC seals.
	7:00	Land hanger and start pressure test to 1500 psi.
		Rig down floor.
		Nippled down.
	9:00	Land and nipple up rod-lock.
		Pressure test rod lock to 300/3000 psi.
	9:30	Install AnTech wellhead outlet.
	9:45	Final gauge reading 1204.9 psia.
		Prepare report.
	10:00	Depart location for Roma.
	10:45	Arrive at Roma.