

Permanent Monitoring Installation Report



Field Ticket #	RGS2001291113	EOT	870.0 m MD
Client	Santos Ltd	Tubing Size	2-3/8in 4.7 lb/ft
Well Name	RM90-24-1	Casing Size	7in 23lb/ft
Well Location	Roma	SHP	0 psi
Rig	WildDesert 4	BHP	1224 psi
Customer Rep	A. Riches	SHT	20 °C
Service Eng	J. Hollingworth	BHT	45 °C

Activity	Date	Time	Activity	Date	Time
Depart Base	29-Jan-20	8:15	Job End	29-Jan-20	13:00
Job Start	29-Jan-20	10:15	Return Base	29-Jan-20	14:30

Gauge Use	Pump Control	Surface Card	Not required
Gauge Depth	840.92 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	Dec19-BI	Tubing Hanger	1/4in NPT - 1/4in Swagelok
Max Devi	0.0°	Wellhead Outlet	AnTech Type C S/N 19-037227

TEC Cable	0.25" x 11mm Encap	Encapsulation	Square 11mm
Serial Number	1015480532	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	LC00717	Calibration Range	0 -1500 psia
Depth	840.92 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	88
Bands and Clips Material	0.25" x 0.75" w-7/8" Buckle 316SS
Qty Installed	178

Comments: Gauge Carrier installed 2 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 88 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
		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 88 banded cross coupling protectors.
	8:15	Depart Base
	9:00	Arrive at location
	10:15	Make up hanger.
	10:20	Strip encapsulation and pass cable through tubing hanger and tighten TEC seals.
	10:30	Land hanger and start pressure test to 1500 psi.
	11:30	Rig down floor. Nippled down.
	12:20	Land and nipple up rod-lock.
	12:30	Pressure test rod lock to 300/3000 psi.
	12:50	Install AnTech wellhead outlet.
	13:00	Final gauge reading 1224.4 psia.
	13:10	Prepare report.
	13:30	Depart location for Roma.
	14:30	Arrive at Roma.