

Permanent Monitoring Installation Report



Field Ticket #	RGS2001260053	EOT	872.5 m MD
Client	Santos Ltd	Tubing Size	2-3/8in 4.7 lb/ft
Well Name	RM90-46-1	Casing Size	7in 23lb/ft
Well Location	Roma	SHP	14 psi
Rig	WildDesert 4	BHP	1224 psi
Customer Rep	R. Mann	SHT	20 °C
Service Eng	A.Hamilton	BHT	45 °C

Activity	Date	Time	Activity	Date	Time
Depart Base	26-Jan-20	21:00	Job End	27-Jan-20	3:00
Job Start	26-Jan-20	22:00	Return Base	27-Jan-20	4:00

Gauge Use	Pump Control	Surface Card	Not required
Gauge Depth	843.61 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 Tested	Tubing Hanger	1/4in NPT - 1/4in Swagelok
Max Devi	0.0°	Wellhead Outlet	19-042109

TEC Cable	0.25" x 11mm Encap	Encapsulation	Square 11mm
Serial Number	'1015502582	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	LCOO706	Calibration Range	0 -1500 psia
Depth	843.61 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	87
Bands and Clips Material	0.25" x 0.75" w-7/8" Buckle 316SS
Qty Installed	176

Comments: Gauge Carrier installed 2 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 87 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
26-Jan-20	21:00	Depart Base
	22:00	Arrive at location
		Wildesert Rig Crew to perform Gauge install.
		Pick up Sheave and make up BHA.
		Make up gauge carrier and gauge to completion.
27-Jan-20		RIH first 4 joints then increase back tension on spooling unit.
	0:00	Installed 87 banded cross coupling protectors.
	0:15	Make up hanger.
	0:30	Strip encapsulation and pass cable through tubing hanger and tighten TEC seals.
	0:45	Land hanger and start pressure test to 1500 psi.
	1:15	Rig down floor.
	1:45	Nippled down.
	2:00	Land and nipple up rod-lock.
	2:15	Pressure test rod lock to 300/3000 psi.
	2:30	Install AnTech wellhead outlet.
	2:45	Final gauge reading 1224.37 psia.
	2:50	Prepare report.
	3:00	Depart location for Roma.
	4:00	Arrive at Roma.