

Permanent Monitoring Installation Report



Field Ticket #	RGS1912150030	EOT	1093.1 m MD
Client	Santos Ltd	Tubing Size	2-3/8in 4.7 lb/ft
Well Name	RM40-147-1	Casing Size	5-1/2in 17lb/ft
Well Location	Roma	SHP	0 psi
Rig	WildDesert 4	BHP	1675 psi
Customer Rep	T.Robitaille	SHT	20 °C
Service Eng	G.Matson / M.Auld	BHT	45 °C

Activity	Date	Time	Activity	Date	Time
Depart Base	14-Dec-19	17:30	Job End	15-Dec-19	1:00
Job Start	14-Dec-19	18:30	Return Base	15-Dec-19	2:00

Gauge Use	Pump Control	Surface Card	Not required
Gauge Depth	1060.45 m	Telemetry	Analogue
Gauge Type	4-20mA 0-3k psi, 105 DegC	Surface Output	4-20mA
Pres Range	0-3000 psia	Cable Splice Depth	N/A
Batch	Sep 19 BI	Tubing Hanger	1/4in NPT - 1/4in Swagelok
Max Devi	0.0°	Wellhead Outlet	AnTech Type C S/N 19-037231

TEC Cable	0.25" x 11mm Encap	Encapsulation	Square 11mm
Serial Number	1015273579	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	LC00522	Calibration Range	0 -3000 psia
Depth	1060.45 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	4.286"
Serial Number	N/A
Cross Coupling Protectors	2-3/8in - 3-1/2in Wiper Blade Style Stainless Steel
Running OD	4.000"
Qty Installed	109
Bands and Clips Material	0.25" x 0.75" w-7/8" Buckle 316SS
Qty Installed	220

Comments: Gauge Carrier installed 2 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 109 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
14-Dec-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 109 banded cross coupling protectors.
	17:30	Depart Base
	18:30	Arrive at location
	19:30	Make up hanger.
	20:00	Strip encapsulation and pass cable through tubing hanger and tighten TEC seals.
	21:30	Land hanger and start pressure test to 1500 psi.
15-Dec-19		Rig down floor.
		Nippled down.
	23:30	Land and nipple up rod-lock.
	23:45	Final gauge reading 1675 psia.
	0:15	Pressure test rod lock to 300/3000 psi
	0:30	Install AnTech wellhead outlet.
	0:45	Prepare report.
	1:00	Depart location for Roma.
	2:00	Arrive at Roma.