Permanent Monitoring Installation Report



| | | | 1 | | |
|---------------------------|-----------------------------|---|-----------------------|-------------------|---------------|
| Field Ticket # | RGS1807241134 | | EOT | 807.4 m MD | |
| Client | Santos Ltd | | Tubing Size | 2-3/8in 4.7 lb/ft | |
| Well Name | RM50-40-1 | | Casing Size | 7in 23lb/ft | |
| Well Location | Roma | | SHP | 0 psi | |
| Rig | Wild Desert 4 | | ВНР | 1090 psi | |
| Customer Rep | T. Schulze | | SHT | 21 °C | |
| Service Eng | G.Humphreys | | внт | 45 °C | |
| Activity | Date | Time | Activity | Date | Time |
| Depart Base | 24/07/2018 | 6:45 | Job End | 24/17/2018 | 15:40 |
| Job Start | 24/07/2018 | 9:40 | Return Base | 24/07/2018 | 16:00 |
| Gauge Use | Pump Control | | Surface Card | Not required | |
| Gauge Depth | 772.79 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 | |
| Temp Range | N/A | | Tubing Hanger | 1/4in NPT - 1/ | 4in Swagelok |
| Max Devi | 0.0° | | Wellhead Outlet | AnTech Type (| C S/N 18-1564 |
| TEC Cable | 0.25" x 11mm | Encap | Encapsulation | Square 11mm | |
| Serial Number | 0001509404 | | 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 | LC00069 | | Calibration Range | 0 -1500 psia | |
| Depth | 772.79 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 S | leeve | |
| 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 | | 82 | | | |
| Bands and Clips Material | | 0.25" x 0.75" w-7/8" Buckle 316SS | | | |
| Qty Installed | | 166 | | | |

Comments: Gauge Carrier installed 2 full joints above PCP. 4-20mA Analogue gauge installed. RIH installing 82 banded CCP. Installed 2 x 1/4in NPT fittings in the hanger and pressure tested. Nippled down and installed Rod lock and AnTech wellhead outlet.





| | Sequence of Events | | | | |
|------------|--------------------|---|--|--|--|
| Date | Time | Description | | | |
| 24/07/2018 | 6:45 | Depart Roma | | | |
| | 7:45 | Arrive location | | | |
| | | Unload and spot equipment. | | | |
| | 9:40 | Safety meeting with crew. | | | |
| | 10:00 | Pick up Sheave and make up BHA | | | |
| | 10:05 | Make up gauge carrier and gauge to completion. | | | |
| | | RIH first 4 joints then increase back tension on spooling unit. | | | |
| | | Installed 82 banded cross coupling protectors. | | | |
| | 12:40 | Make up hanger. | | | |
| | | Strip encapsulation and pass cable through tubing hanger and tighten TEC seals. | | | |
| | 13:00 | Land hanger and start pressure test to 3000 psi. | | | |
| | | Rig down floor. | | | |
| 14:10 | | Nippled down. | | | |
| | | Land and nipple up rod-lock. | | | |
| | | Pressure test rod lock to 300/3000 psi. | | | |
| | | Install AnTech wellhead outlet. | | | |
| 15:40 | | Final gauge reading 1090 psia. | | | |
| | | Prepare report. | | | |
| | 16:00 | Depart location for Roma. | | | |