Pull Permanent Down	hole Gauges SOP SOP# GN014			
Scope of Work	The following Standard Operating Procedure specifically applies to: Pull Permanent Downhole Gauge			
QHSE References (Applicable SOP's, Management Plans, Systems & Client / Industry Information)	 Huracan Pre Job Safety Meeting & Induction Record JSA GN010 Permanent Gauge Installation KIN-AOG-QHSE-MAP002 -HSEMP KIN-AOG-QHSE-MAP008-Field Ops ERP Current version of Wellsite Permit to Work System 			
Last Updated	Revision 1.0, 2-Dec-19			
Responsibilities	Wellsite crew to abide by SOP at all times			
Specialist Equipment	Pneumatic Installation Unit			
Associated & Additional Controls Required	 All employees have the right and the responsibility to stop a job if they feel that the job is unsafe or if there is a danger to themselves or any other fellow worker / contractor from the activity or if there is the potential of damage or failure of any equipment or damage to the environment. If an operating company procedure and Service Company procedure do not correspond, then a procedural review shall be undertaken and endorsed by the relevant Supervisor to determine the acceptable way forward. In the absence of the review / endorsement process as above, the operating company procedure shall prevail. All employees, contractors and others engaged to work for or on behalf of Huracan Australian Oil & Gas are responsible for taking 'all practicable steps' to protect their own health and safety and the health and safety of others by complying with the WHS Act 2011 and by adhering to all relevant legislation, company and client/customer safety requirements. 			

Any statement in Bold and Italics is a critical step and must be carried out as it is written.		
Icon	Description	
NOTE	Information to assist in the safe completion of this procedure	
CAUTION	Insert Cautions points between steps as required.	
HOLD	Insert hold points between steps as required.	
DANGEROUS GOODS	Insert Dangerous Goods points where Hazardous Chemicals / Dangerous Goods use occurs	
	Insert Manual Handling points where manual handling is required	



Pull Perm	Pull Permanent Downhole Gauges SOP SOP# GN014			
Step No.	Task Description	Photo		
HOLD	A spotter must be used to direct Huracan Vehicles whand Plant & Equipment is 3 metres or less e.g. Rigging shall be a suitably competent Huracan worker as designave control of the site / area whilst interaction becommunication between all applicable parties shall spotter prior to commencing.	Up & Down Operations. The Spotter gnated by the Huracan Crew and will etween plant occurs. The form of		
1	· · · · · · · · · · · · · · · · · · ·			
CAUTION	The use of the megohm meter is restricted to an area other meters within the 30m is to be in conjunction with Work Permit.			
2	 Report to Client OCR and confirm scope of work h Report to Rig Manager and complete any third-par Huracan Supervisor to provide a copy of relevant do as required) 	ty checklists and inductions		
3	Hold toolbox meeting with all applicable parties & discusiones i.e. from spooling unit to rig floor. A WPTW Hot Work Permit is required due to the use of the 30m, Zone 2 area around the wellhead.			

Pull Perm	Pull Permanent Downhole Gauges SOP SOP# GN014			
Step No.	Task Description	Photo		
4	 Spotting Spooling Unit and Rig Up: Huracan spotter to assist driver to reverse any truck into position Move TEC cable spooling unit to agreed location on site. Install bunting / barricading to prevent un-authorised access around spooling unit Install exclusion zone from spooler to rig floor Ensure gas monitoring is used while surface acquisition unit is within hazardous area Attach sheave to tugger line from rig Place banding gun, banding material and clips in suitable area on rig floor (be aware of introducing trip hazards) and hook to air supply. 			
HOLD	Install barricading - run barrier tape from the spooling unit to the wellhead to stop unauthorised access.			
5	 Cut cable and Hang Sheave Once the tubing hanger is retrieved cut cable below hanger and pull sufficient tubing joints to get the cable back to the spooling unit Feed cable through sheave and hang sheave as per rig specific requirements Feed the cable back to the spooling unit 			
6	 Splice cable onto to spool Prepare the cut cable and the spool cable ends for splice Install electrical/mechanical cable splice Turn on surface box and ensure gauge is functioning, record reading Spool excess cable onto spool 			
7	POOH with TEC Cable Ensure that there is sufficient room between the slips so that TEC cable is not damaged while POOH Ensure no tension on cable when cutting bands from cross coupling protectors Continue to monitor gauge while POOH.			
HOLD	Whenever preparing to break the next connection by closing the slips to hold the production tubing – it is essential that you hold the TEC Cable in a location that it will not be crushed by the slips as this would render the TEC cable inoperable and requiring an additional splice.			
8	 Remove gauge carrier Once the gauge carrier is at surface, release any search and tape the the spool to avoid back spooling Remove gauge carrier 	tension on the cable		
9	 Inspect all equipment Inspect gauge for corrosions or damage Check gauge calibration Remove old bands from cross coupling protectors and inspect for damage and discard damaged CCP's. Inspect and redress wellhead outlet Remove used fitting from tubing hanger and dsicard 			

Standard Operating Procedure - Preparation, Review and Approval

Title	Name	Signature	Date
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QHSE MANAGEMENT SYSTEM RESOURCE STANDARD OPERATING PROCEDURE (SOP)

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Authorised By:	Operations Manager	J. Hollingworth	Jon Hollingworth	2/12/2019

