

# Orientation Survey QC Sheet

# HURACAN

## Well Information

Client <b>ADD Origin</b>	Well Name <b>Barham Ranch</b>	Field <b>Barham Ranch</b>	Country <b>AUS</b>
State <b>QLD</b>	Survey Tool <b>North seeking gyro</b>	Latitude <b>-25.85</b>	Longitude
Ref Datum	Ground Level <b>272.8m</b>	Depth Reference <b>ORT</b>	Depth Above Reference <b>4.3</b>
Survey Date <b>28/12/15</b>	Survey Reference <b>30-12-15</b>	Company Rep <b>Lach HEATH</b>	Survey Engineer <b>D. Slater</b>

## Gyro Calibration

Tool Serial Number	<b>119</b>	Checked <input type="checkbox"/>	Calibration Date < 3 months	Checked <input type="checkbox"/>
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## Latitude Verification

Program	(A) <b>GPS - 25.85</b>	(B) <b>A - B =</b>	Tol $\leq 0.1^\circ$ <input type="checkbox"/>	Checked in Software <input type="checkbox"/>
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## Pre-Departure Calibration Verification

Date Performed		In Tolerance	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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## Pre-Job Tool Verification

Gyro Surface Survey	Gyro Compass Azimuth		Gyro Inclination		G_Temp	
Tool	Main	Backup	Main	Backup	Main	Backup
Gyro Pre Job Survey 1	<b>170.8</b>		<b>34.6</b>		<b>83.9</b>	
Gyro Pre Job Survey 2	<b>171.2</b>		<b>34.6</b>		<b>83.9</b>	
Gyro Pre Job Survey 3	<b>170.9</b>		<b>34.6</b>		<b>83.9</b>	
Average	<b>170.0</b>	(C)		(D)		
Distance between bottom centraliser and stinger assembly 400mm					Yes <input type="checkbox"/>	No <input type="checkbox"/>
Gravity Toolface Check	0°	<b>359.81</b>	180°	<b>174.98</b>		
	90°	<b>82.82</b>	270°	<b>265.21</b>		

## Gyro TF Survey Verification

Gyro TF	Gravity TF (> 1° deviation)
Gravity TF	Gravity TF + Azimuth = Gyro TF
1st survey	1st survey
2nd survey	2nd survey
3rd survey	3rd survey
Variance < 5°	Yes <input type="checkbox"/> No <input type="checkbox"/>
If no complete 4th survey.	

## Depth Control

Wireline Company		Depth Encoder	
Zero Depth		Re-Zero Depth	

## Post Survey Calibration Verification

Date Performed		In Tolerance	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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## Comments

Inc **4.63** 10m above check  
 Azimuth - **269** H - Politch  
~~110m~~ 110m tag last time

## Acceptance Summary

	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Gyro Calibration	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Latitude Verification	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Pre-Job Tool Verification	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Gyro Orientation Survey Verification	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Depth Control	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Post Survey Calibration Verification	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Survey Verification	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

Document Number	Responsible Department	Document Owner	Status	Rev Date	Next Revision
OrienCS_Rev1.0_15Oct15	Gyro Department	D. Slater	Private	15-Oct-15	14-Oct-17