

ANEXO 3. FORMATOS DILIGENCIADOS PARA BATERIAS

FORMATOS CIM BATTERY

Battery Insert Serial Number:	236947	Tool Size:	<input checked="" type="checkbox"/> 6 3/4" <input type="checkbox"/> 8" <input type="checkbox"/> 9 1/2" <input checked="" type="checkbox"/> Std. <input type="checkbox"/> HF
Build Type:	<input type="checkbox"/> New Build <input checked="" type="checkbox"/> Rebuild	Cell Date Codes:	1708-513 6E
Cell Manufacturer:		Cell Derate:	
Mechanical Conditions			Buildup Tech ID
O-ring grooves, seal surfaces, and J-slot areas free of galling, nicks, corrosion, pitting, dings, raised metal and scratches.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
All bolt holes on top of box end of insert cleaned, inspected and tapped.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Arion band free of wear and nicks. Use straight edge to check wear on end.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Connector protectors clean and free of damage.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Connectors straight and clean.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Battery Iron latest revision.			<input type="checkbox"/> Yes <input type="checkbox"/> No
Ball detents clean and spring back when depressed.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Safety vent assembly rebuilt or replaced.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Temperature indicating labels present.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Electrical Conditions			Buildup Tech ID
<u>Diode Check (Set voltmeter to "Diode" check):</u>			
	Yellow Lead	to	Pin A 0.4921 V (0.300 V-0.800 V)
	Yellow Lead	to	Pin A 0.4890 V (0.300 V-0.800 V)
	Yellow Lead	to	Pin A 0.4947 V (0.300 V-0.800 V)
Reverse Check	Pin A	to	Yellow Lead OL (Infinite resistance)
	Pin A	to	Yellow Lead OL (Infinite resistance)
	Pin A	to	Yellow Lead OL (Infinite resistance)
<u>Continuity (Ω) Test (Resistive reading < 0.9 Ω)</u>			
	Positive (Red Lead)		Negative (Black Lead)
	Sub G	to	Pin D 0.6 Ω
	Sub F	to	Pin C 0.8 Ω
	Insert Body	to	Pin B 0.17 Ω
<u>Resistor Check (121K Ohms):</u>			
	Pin A	to	Ground 121.2 KΩ
<u>Megohm Check (MegΩ>500MΩ):</u>			
	Pin C	to	Insert Body 10.5 MΩ
	Pin D	to	Insert Body 62 MΩ
	Pin A *	to	Insert Body 10 MΩ
* Black lead must be disconnected to prevent damage to the resistor			

Electrical Conditions - continued	Buildup Tech ID
Female Connectors Extraction Test: Pin A <u>✓</u> Pin C <u>✓</u> Pin D <u>✓</u> (Must be >0.5 lbs./0 oz. and <3.0 lbs./40 oz.)	
Assembled Battery Inspections	Buildup Tech ID
Slave assembly #1 open circuit voltage test results at 21.5 ±0.2 V.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Slave assembly #2 open circuit voltage test results at 21.5 ±0.2 V.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Slave assembly #3 open circuit voltage test results at 21.5 ±0.2 V.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Slave assembly #1 275Ω load test results at 19 V or 6 minutes.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Slave assembly #2 275Ω load test results at 19 V or 6 minutes.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Slave assembly #3 275Ω load test results at 19 V or 6 minutes.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Rebuilt pack open circuit voltage test results at 21.5 ±0.2 V.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Rebuilt pack 52Ω load test results at 19 V or 6 minutes.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Check the gauge of the insert with the appropriate gauge ring.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Documentation/Final QC	Buildup Tech ID
Battery usage sheet completed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Battery label present (P/N 120143754).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

NOTES / NONCONFORMANCE REPORTS (NCR)

Cells news

SIGNATURE

Tool Build Technician:	Tatiana Alencas	Date:	25 / 08 / 2009
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FORMATO BATERIA SP4

Sperry Drilling Services 4.75" EWR Battery Pre-Build Checksheet

Battery Insert Serial Number:	11067356	Technician/Date:	Talana Arenas / 28/Oct/2009
Build Type:	<input type="checkbox"/> New Build <input checked="" type="checkbox"/> Rebuild	Cell Date Code:	0408 - 532 mPGE
Cell Manufacturer:	mp-6E	Cell Derate:	
Mechanical Conditions			Buildup Tech ID
O-ring grooves, seal surfaces and J-slot areas free of scratches, corrosion, and raised metal.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
All bolt holes on top of box end of insert cleaned, inspected and tapped.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Arlon band free of wear and nicks. Use straight edge to check wear on end.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Connector protectors clean and free of damage.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
After 500 circulating hours, P1, P2, and P3 connectors removed, cleaned, and new O-rings installed.			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Safety vent assembly rebuilt or replaced.			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Temperature indicating labels present.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Electrical Conditions			Buildup Tech ID
Diode Check (Set voltmeter to "Diode" check):			
	Positive (Red Lead)	Negative (Black Lead)	
Positioning Ring	ST1	to P1	0.417 V (0.300 V-0.800 V)
	ST2	to P1	0.415 V (0.300 V-0.800 V)
Reverse Check	P1	to ST1	OL (Infinite resistance)
	P1	to ST2	OL (Infinite resistance)
Continuity (Ω) Test (Resistive reading < 0.9 Ω)			
	P2	to Box End Kemlon	0.25 Ω
Megohm Check (MegΩ>500MΩ):			
P1 to Insert Body			25.6Ω
P2 to Insert Body			30.6Ω
Female Connectors Extraction Test:			
	Positioning Ring	Locking Ring	
ST1	<input checked="" type="checkbox"/>	ST1	<input checked="" type="checkbox"/>
ST2	<input checked="" type="checkbox"/>	ST2	<input checked="" type="checkbox"/>
(Must be >0.5 lbs./8 oz. and <3.0 lbs./48 oz.)			
Assembled Battery Inspections			Buildup