

## Chevron Canada Resources



# PRODUCTION TOUR REPORT

**Well Name: Chevron et al Liard K-29**

**WBSE# RWWNC - R9023 - 500 (tubing changeout)**

**LSD :** K-29 (within grid area 60° 30' 123° 30')

Date : August 4, 1999

**Day Number :** 5

CREW		FROM	TO	TIME SUMMARY
D A Y  C R E W	Driller		0:00	4:00 Nipple down BOPE.
	Derrick		4:00	4:15 Pull Barber back pressure valve out.
	Derrick		4:15	4:30 Make up wellhead.
	Motorman		4:30	Begin tearout of Akita 48.
	Floor			
	Floor			
	Lease			
	Accum Press.			
	Air Shut Off			
	Stab Valve			
N I G H T	Fire Ext.			
	H2S			
	Driller			
	Derrick			
	Derrick			
	Motorman			
	Floor			
	Floor			
	BOP			
	Accum Press.			
C R E W	Air Shut Off			
	Stab Valve			
	Fire Ext.			
			Today	Cummulative
	Tangible			
		*****	Costs and operations summary to be reported in duplicate DISWin prepared for today.	
	Intangible	Total		
			Akita Drilling Rig #48	Ray Coleman
			Guiberson Halliburton	Dave Byrtus
			RIG OR CONTRACTOR	CONTRACTOR REP.

**JOB OBJECTIVE:** Set 244.5 mm Halliburton / Guiberson permanent seal bore packer above Baker retrievable seal bore packer  
Replace 88.9 mm 19.27 kg/m L80 Hydril 533 tubing with 177.8 mm 43.16 kg/m L80 Hydril 563 tubing

**DETAILS:** Nipple down BOPE. Secure wellhead. Begin tear out of Akita Rig 48

• Nipple down BOPE.

### Install wellhead.

Operations complete.

**Company Representative :**

Curtis Triomphe / Jerry McNalley

## PRODUCTION TOUR REPORT

Well Name: **Chevron etal Liard K-29**LSD : **K-29 (within grid area 60° 30' 123° 30')**WBSE# **RWWNC - R9023 - 500 (tubing changeout)**Date : **August 3, 1999**

Day Number :

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Crew Member	CREW		FROM	TO	TIME SUMMARY
D	Driller		0:00	1:30	Change pipe rams. Pressure test BOPE.
A	Derrick		1:30	3:30	Make up Guiberson latch seal assembly and 177.8 mm BHA.
Y	Demick		3:30	15:30	RIH 177.8 mm production tubing.
C	Motorman		15:30	18:30	Wait for 3 hours to temp to stabilize.
R	Floor		18:30	18:50	Latch into packer. Mark pipe. Rotate out of packer.
E	Floor		18:50	21:10	Install pup joints to space out string. Land tubing hanger.
W	Lease		21:10	22:20	Pressure test annulus to 21000 kPa for 30 minutes.
N	Accum Press.		22:20	23:00	Pressure test tubing to 21000 kPa for 20 minutes.
I	Air Shut Off		23:00	23:59	Install Barber BPV. Nipple down BOPE.
G	Stab Valve				
H	Fire Ext.				
T	H2S				
C	Driller				PP&E Summary:
R	Derrick				Near miss incidents - none to report
E	Derrick				Spills or emissions - none to report
W	Motorman				
	Floor				
	Floor				
	BOP				
	Accum Press.				
	Air Shut Off				
	Stab Valve				
	Fire Ext.				

**JOB OBJECTIVE:** Set 244.5 mm Halliburton / Guiberson permanent seal bore packer above Baker retrievable seal bore packer  
Replace **88.9 mm** 19.27 kg/m L80 Hydril 533 tubing with **177.8 mm** 43.16 kg/m L80 Hydril 563 tubing

**DETAILS:** RIH and land Guiberson latch seal assembly into Guiberson Magnum HT permanent packer.

Continue to hoist laying down 88.9 mm tubing to recover Guiberson perm packer setting assembly.

Change BOP pipe rams from 88.9 mm to 177.8 mm. Install Barber tubing hanger and 177.8 mm Hydril 563 landing joint. Pressure test pipe rams to 1400 kPa low / 35000 kPa high.

Make up and run in hole Guiberson permanent packer latch seal assembly:

Guiberson Magnum latch seal assembly	0.27
Incoloy 925 with 2 ATR seal units   Total length 1.14 meters   0.87 meters in   0.27 meters out	
xover Incoloy 925 114.3 mm Hydril 533 pin down x 177.8 mm Hydril 563 box up	0.41
1 jt   177.8 mm 56.55 kg/m CRA (SM2550-125) Hydril 563 (with CB ring) tubing	7.68
Hydril 563 ends machined to 43.16 kg/m pipe; top 2 meters of jt coated SR Metals SR222 epoxy coating	
177.8 mm 43.16 kg/m L80 Hydril 563 pup joint SR222 epoxy coated	2.44

Run assembly in hole on 177.8 mm 43.16 kg/m L80 Hydril 563 tubing. Threadwashed tubing joints with power thread washer. Torqued tubing joints to Hydril specifications. Utilized FI Canada low penetration slip dies in 175 tonne slip type elevators and rotary slips.

With Guiberson latch assembly one joint above packer - wait for 3 hours for wellbore temperature to stabilize.

Lowered tubing to engage seal stack into packer bore and to latch ratchet into Guiberson Incoloy Magnum HT permanent packer at 2453.67 meters KB. Pulled 10,000 dN over string weight to confirm assembly latched. Mark pipe to space out tubing string with 2000 dN compression.

Rotate string with power tongs to rotate seal assembly from permanent packer. Install pup joints as required. Make up Barber tubing hanger and Barber Acme landing sub onto 177.8 mm Hydril 563 landing joint. Land tubing string in 2000 dN compression as shown on page 2 of 2:

Company Representative :

Curtis Triomph / Jerry McNalley

# PRODUCTION TOUR REPORT

Well Name: **Chevron etal Liard K-29**  
 WBSE# RWWNC - R9023 - 500 (tubing changeout)

LSD : **K-29 (within grid area 60° 30' 123° 30')**  
 Date : **August 3, 1999**  
 Day Number : **4** **page 2 of 2**

CREW		FROM	TO	TIME SUMMARY	
D	Driller			as shown on page 1 of 2	
A	Derrick				
Y	Derrick				
C	Motorman				
R	Floor				
E	Floor				
W	Lease				
N	Accum Press.				
I	Air Shut Off				
G	Stab Valve				
H	Fire Ext.				
T	H2S				
C	Driller				
R	Derrick				
E	Derrick				
W	Motorman				
		PP&E Summary:			
		Near miss incidents - none to report			
		Spills or emissions - none to report			
		Today	Cummulative		
		Tangible	***** Costs and operations summary to be reported in duplicate DISWin prepared for today.		
		Intangible			
		Total			
			Akita Drilling Rig #48	Ray Coleman	
			Guiberson Halliburton	Dave Byrtus	
			RIG OR CONTRACTOR	CONTRACTOR REP.	

**JOB OBJECTIVE:** Set 244.5 mm Halliburton / Guiberson permanent seal bore packer above Baker retrievable seal bore packer  
 Replace 88.9 mm 19.27 kg/m L80 Hydril 533 tubing with 177.8 mm 43.16 kg/m L80 Hydril 563 tubing

**DETAILS:** RIH and land Guiberson latch seal assembly into Guiberson Magnum HT permanent packer.

Land Guiberson latch seal assembly and 177.8 mm tubing string as follows: (including existing Baker packer and 88.9 mm tailpipe into open hole interval):

		Length	Depth
	Baker pump out reentry sub 88.9 mm EU box	0.14	2650.67
	Otis RN nipple 65.02 mm ID (59.16 mm nogo ID)	0.33	2650.34
18 jts	88.9 mm 19.27 kg/m L80 Hydril 533 tubing	172.63	
	Otis R nipple 65.02 mm	0.28	2477.43
1 jt	88.9 mm 19.27 kg/m L80 Hydril 533	9.55	
	Baker SC-2 release extension SBE pin up x Hydril 533 pin down	2.01	
	Baker SC-2 retrievable seal bore packer size 96A4-40 top to centre element 0.70 meters	1.76	2464.11
	Baker Oil Tool model G22 locator seal assembly	0.25	
	SR Metals SR222 epoxy coated; w/ 114.3 mm NS-CT box up; A-Ryte seal units Total length 0.82 meters (length inside SC-2P 0.57 meters length outside 0.25)		
	114.3 mm extension sub L 80 SR 222 epoxy coated w/ 114.3 mm NS-CT pin down x 114.3 mm NS-CT box up	1.22	
	xover L80 114.3 mm NS-CT pin down x 114.3 mm EU box up SR 222 coated	0.25	
	Otis XN nipple 96.85 mm profile (w/ 94.61 mm nogo) Incoloy 925 w/ 114.3 mm EU Shamrock pin down x 114.3 mm Hydril 511 box up	0.40	2461.99
1 jt	114.3 mm 18.75 kg/m CRA (Incoloy 925) Hydril 511 tubing	7.00	
	Guiberson Magnum HT 244.5 mm Incoloy 925 permanent seal bore packer Incoloy 925	1.32	2453.67
	Guiberson Magnum latch seal assembly 114.3 mm Hydril 533 pin up Incoloy 925 with 2 ATR seal units Total length 1.14 meters 0.87 meters in 0.27 meters out	0.27	
	xover Incoloy 925 114.3 mm Hydril 533 box down x 177.8 mm Hydril 563 box up	0.41	2452.99
1 jt	177.8 mm 56.55 kg/m CRA (SM2550-125) Hydril 563 (with CB ring) tubing Hydril 563 ends machined to 43.16 kg/m pipe; top 2 meters of Jt coated SR Metals SR222 epoxy coating	7.68	
	177.8 mm 43.16 kg/m L80 Hydril 563 pup joint SR222 epoxy coated	2.44	
189 jts	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) tubing	2411.31	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) pup joint	2.99	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) pup joint	2.34	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) pup joint	1.55	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) pup joint	1.24	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) pup joint	1.83	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) pup joint	1.40	
1 jt	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) tubing	13.10	
	177.8 mm 43.16 kg/m L80 Hydril 563 (with CB ring) double pin pup joint	0.45	
	Barber tubing hanger WCT-7-SCS PN 20810449 SN 36956.001.1 Incoloy 925; Hydril 563 suspension threads; Acme 7.250 6TPI Acme lift threads (Barber adaptor required)	0.30	
	Total Length	2644.45	
	KB to TSF	6.56	
	less squat due to compression 3000 dN	-0.20	
	Landed Depth	2650.81	

Rig up pressure tester unit to casing valve. Pressure annulus to 21000 kPa (with 0.56 m3 inhibited water). Pressure test annulus for 30 minutes with tubing open - lost 200 kPa first 20 minutes; steady for remaining 10 minutes - OK. Bleed off pressure.

Pressure tubing to 21000 kPa - 6 pails fluid flowed from casing during pressuring tubing. Pressure test tubing for 20 minutes with casing valves open - pressure steady.

Install Barber-BPV into tubing hanger profile. Begin BOPE nipple down.

Company Representative :

Curtis Triomphe / Jerry McNamee

# PRODUCTION TOUR REPORT

Well Name: **Chevron etal Liard K-29**WBSE# RWWNC - R9023 - 500 (tubing changeout)LSD : **K-29 (within grid area 60° 30' 123° 30')**Date : **August 2, 1999**Day Number : **3**

D A Y  C R E  W	CREW	FROM	TO	TIME SUMMARY		
Driller		0:00	1:30	Hoist tubing.		
Derrick		1:30	3:30	Rig up wireline. Conduct gauge ring junk basket / CCL / GR wireline run.		
Derrick		3:30	5:00	Make up Baker locator / Guiberson permanent packer BHA.		
Motorman		5:00	11:00	RIH on 88.9 mm Hydril 533 tubing from derrick.		
Floor		11:00	11:15	Locate Baker locator assembly into Baker SC-2P packer.		
Floor		11:15	11:45	Pressure test annulus to 3000 kPa to ensure locator stabbed into packer OK.		
Lease		11:45	13:00	Drop Guiberson steel ball down tubing. Wait for ball to drop to seat in Guiberson packer setting tool.		
Accum Press.		13:00	13:30	Pressure tubing string to 21000 kPa with Dowell pumper to set Guiberson permanent packer.		
Air Shut Off		13:30	13:50	Rotate setting tool free from Guiberson packer.		
Stab Valve		13:50	15:30	Rig up laydown equipment.		
Fire Ext.		15:30	10:15	Hoist tubing laying down.		
H2S		10:15	23:59	Change pipe rams. Pressure test BOPE.		
PP&E Summary: Safety meeting with Dowell, FI, Hydril and Akita to discuss well circulation procedure.						
Near miss incidents - none to report						
Spills or emissions - none to report						
N I G H T  C R E  W	BOP	Today		Cummulative		
		Tangible	***** Costs and operations summary to be reported in duplicate DISWin prepared for today.			
Intangible		Total				
			Akita Drilling Rig #48		Ray Coleman	
			Guiberson Halliburton		Dave Byrtus	
			RIG OR CONTRACTOR		CONTRACTOR REP.	

**JOB OBJECTIVE:** Set 244.5 mm Halliburton / Guiberson permanent seal bore packer above Baker retrievable seal bore packer  
Replace 88.9 mm 19.27 kg/m L80 Hydril 533 tubing with 177.8 mm 43.16 kg/m L80 Hydril 563 tubing

**DETAILS:** Set Guiberson permanent packer assembly and tailpipe (with Baker locator seal assembly on bottom).

Continue to hoist 88.9 mm tubing (standing in derrick) to recover Baker latch assembly.

Rig up Lee Tool electric wireline unit. Make up gauge ring / junk basket / GR / CCL tool string. Run assembly in hole to tag top of Baker 244.5 mm SC-2P retrievable seal bore packer at 2467.2 meters (correlated to open hole Schlumberger "Perforation Depth Control Log" March 26 1999. Log gamma ray / CCL strip to ensure that 244.5 mm casing collars do not interfere with permanent packer assembly.

Make up permanent packer assembly as follows:

		Length
Baker Oil Tool model G22 locator seal assembly	to locate into existing Baker SC-2P	0.25
SR Metals SR222 coated; w/ 114.3 mm EUE pin down x 114.3 mm Hydril 511 box up; A-Ryte seal units		
Total length 0.82 meters (length inside SC-2P 0.57 meters length outside 0.25)		
114.3 mm extension sub L 80 SR 222 coated		1.22
w/ 114.3 mm NS-CT pin down x 114.3 mm NS-CT box up		
xover 114.3 mm NS-CT pin down x 114.3 mm EUE box up SR 222 coated		0.25
Otis XN nipple 96.85 mm profile (w/ 94.61 mm nogo) Incoloy 925		0.40
w/ 114.3 mm EUE pin down x 114.3 mm Hydril 511 box up		
1 jt 114.3 mm 18.75 kg/m Hydril 511 Incoloy 925 tubing		7.00
Guiberson Magnum HT 244.5 mm Incoloy 925 permanent seal bore packer		1.32
Guiberson hydraulic setting tool		1.29
xover to 88.9 mm EUE		0.20
88.9 mm EUE pup joint		1.82
xover 88.9 mm EUE pin down x 88.9 mm IF box up		0.32
Weatherford rental bumper sub		2.84
xover 88.9 mm IF pin down x 88.9 mm Hydril 533 box up		0.46
		17.37

RIH assembly on 88.9 mm Hydril 533 tubing from derrick. Locate Baker G22 stinger into Baker 244.5 mm SC-2P retrievable seal bore packer at 2464.11 mKB. Close annular preventor; pressure annulus to 3000 kPa to ensure that locator is inside seal bore of packer - OK. Drop Guiberson steel ball down tubing string to seat in Guiberson hydraulic setting tool. Rig up Dowell iron to top of tubing. Pressure tubing string to 21000 kPa with Dowell pumper to hydraulically set Guiberson 244.5 mm Magnum HT Incoloy permanent seal bore packer at 2453.67 meters KB (pressure fluctuation noticeable at surface at 12000 kPa indicating shearing of pins in hydraulic setting tool).

Pull 15000 dN over string weight to confirm that packer set - OK. Set down 5000 dN onto packer - OK. Rotate tubing string with power tongs to rotate hydraulic setting tool from packer bore.

Hoist 88.9 mm Hydril 533 tubing laying down on pipe racks.

Company Representative :

Curtis Triomphe / Jerry McNamee



# PRODUCTION TOUR REPORT

Well Name: **Chevron etal Liard K-29**  
 WBSE# RWWNC - R9023 - 500 (tubing changeout)

LSD : **K-29 (within grid area 60° 30' 123° 30')**  
 Date : **August 1, 1999**  
 Day Number : **2**

CREW		FROM	TO	TIME SUMMARY		
D	Driller			0:00	1:30	Monitor well to ensure static.
A	Derrick			1:30	2:00	Install Barber back pressure valve. Remove wellhead top section.
Y	Derrick			2:00	9:00	Nipple up BOPE.
C	Motorman			9:00	14:00	Pressure test BOPE. Conduct detailed drilling rig inspection report.
R	Floor			14:00	15:45	Rig up handling equipment for 88.9 mm tubing.
E	Floor			15:45	16:30	Pull up on tubing hanger; rotate latch assembly from Baker retrievable seal bore packer.
W	Lease			16:30	18:30	Reverse circulate with Dowell to ensure wellbore free of gas.
N	Accum Press.			18:30	19:00	Lay down Dowell equipment. Prepare to hoist 88.9 mm tubing standing in derrick.
I	Air Shut Off			19:00	23:59	Hoist tubing.
G	Stab Valve					
H	Fire Ext.					
T	H2S					
C	Driller					
R	Derrick					
E	Derrick					
W	Motorman					
	PP&E Summary: Safety meeting with Dowell, FI, Hydril and Akita to discuss well circulation procedure.					
	Near miss Incidents - none to report					
	Spills or emissions - none to report					
				Today	Cummulative	
	Tangible					
	Intangible			***** Costs and operations summary to be reported in duplicate DISWin prepared for today.		
	Total					
				Akita Drilling Rig #48		Ray Coleman
				Dowell - Schlumberger Oilfield Services		Sheldon Owen
				RIG OR CONTRACTOR		CONTRACTOR REP.

**JOB OBJECTIVE:** Set 244.5 mm Halliburton / Guiberson permanent seal bore packer above Baker retrievable seal bore packer  
 Replace 88.9 mm 19.27 kg/m L80 Hydril 533 tubing with 177.8 mm 43.16 kg/m L80 Hydril 563 tubing

**DETAILS:** Nipple up BOPE. Release from Baker SC-2P packer. Hoist tubing.

Continue to monitor well to ensure that both sides static prior to installation of Barber back pressure valve for wellhead removal / BOP nipple up. Minor gas blow (enough flow to splash all fluid from a 20 litre pail) still evident from tubing string 3 hours after bleeding off pressure test. Continue to monitor well; tubing dead after 7 hours - time necessary to allow gas entrained in tubing fluid to rise to surface.

Remove wellhead cap. Install 88.9 mm Barber 2 way backpressure valve in Barber tubing hanger profile. Remove wellhead top section. Nipple up 346 mm 35000 kPa BOP stack (SRSRSRA). Close blind rams. Pressure test blind rams against Barber 2 way back pressure valve to 1400 kPa low 35000 kPa high for 10 minutes each test. Retrieve Barber back pressure from Barber tubing hanger profile (tubing dead underneath BPV; fluid from stack drained into tubing string when BPV unseated). Make up Barber Acme adaptor tool onto 88.9 mm 19.27 kg/m L80 Hydril 533 tubing joint. Screw in Acme threads to top of Barber 89 mm x 279 mm tubing hanger. Close upper pipe rams and pressure test to 1400 kPa low / 35000 kPa high. Close lower pipe rams and pressure test to 1400 kPa low / 35000 kPa high. Close annular preventor and pressure test to 1400 kPa low / 18000 kPa high. Pressure test choke lines and choke manifold valves to 1400 kPa low / 35000 kPa high.

Rig in 88.9 mm handling equipment and FI Canada power tongs. Latch elevators to landing joint - pull up tubing hanger 0.4 meters. Rotate tubing string with power tongs 18 turns to rotate Baker Oil Tool latch seal assembly from Baker 244.5 mm SC-2P retrievable seal bore packer at 2464.11 meters. Pull up on tubing - weight indicator weight 45000 dN. Pull and lay down landing joint and Barber tubing hanger.

Rig in Dowell pumper to casing valve. Rig in Dowell treating iron from top of 88.9 mm tubing to Akita choke manifold inlet (50.8 mm threaded gauge outlet at top of manifold). Pressure test Dowell piping to 25000 kPa. Reverse circulate wellbore with Dowell pumper to ensure no gas remaining in tubing string. Fill hole with 1.0 m3. Circulate inhibited fresh water at 0.6 m3 / min @ 3000 kPa returning through choke manifold to Akita degasser. Recover gas to flare (lazy flame) for 5 minutes @ initial tubing volume bottoms up. Circulate total 40 m3 (tubing volume to packer 9.4 m3).

Hoist 88.9 mm tubing (standing in derrick) to recover Baker latch assembly.

# PRODUCTION TOUR REPORT

Well Name: **Chevron et al Liard K-29**  
 WBSE# RWWNC - R9023 - 500 (tubing changeout)

LSD : **K-29 (within grid area 60° 30' 123° 30')**  
 Date : **July 31, 1999**  
 Day Number : **1**

CREW		FROM	TO	TIME SUMMARY		
D	Driller	8:00	10:00	Move Lee Tool and Dowell eqt across river on Cooper barge, then to location (road dry).		
A	Derrick	10:00	11:40	Rig up Lee Tool and Dowell.		
Y	Motorman	11:40	12:00	Conduct safety meeting.		
C	Floor	12:00	12:15	Pressure test lubricator with methanol water.		
R	Floor	12:15	13:15	RIH wire brush - stroke through RN nipple. Hoist tools.		
E	Lease	13:15	13:50	Pump methanol water followed by 10 m3 inhibited fresh water.		
W	Accum Press.	13:50	15:50	RIH Otis RXN plug. Set in Otis RN nipple at tailpipe bottom. Hoist.		
N	Air Shut Off	15:50	16:50	RIH Otis equalizing prong. Set in Otis RN lock. Hoist.		
I	Stab Valve	16:50	17:20	Pump inhibited fresh water to tubing to pressure test RN plug to 18000 kPa for 20 minutes - OK.		
G	Fire Ext.	17:20	17:30	Bleed off well to zero.		
H	H2S	17:30	18:30	RIH junk catcher basket. Land above Otis RN plug. Hoist. Lay down wireline.		
T	Driller	18:30	23:59	Monitor well to ensure static.		
C	Derrick			PP&E Summary: Safety meeting with Dowell, Lee Tool and Akita crew regarding wireline operations.		
R	Derrick			Near miss incidents - none to report		
E	Motorman			Spills or emissions - none to report		
W	Floor					
	Floor					
	BOP					
	Accum Press.					
	Air Shut Off					
	Stab Valve					
	Fire Ext.					
				Today		Cumulative
	Tangible					
	Intangible			***** Costs and operations summary to be reported in duplicate DISWin prepared for today.		
	Total					
				Akita Drilling Rig #48		Ray Coleman
				Lee Tool (Schlumberger Division)		Dale Sallstrom
				RIG OR CONTRACTOR		CONTRACTOR REP.

**JOB OBJECTIVE:** Set 244.5 mm Halliburton / Guiberson permanent seal bore packer above Baker retrievable seal bore packer  
 Replace 88.9 mm 19.27 kg/m L80 Hydral 533 tubing with 177.8 mm 43.16 kg/m L80 Hydral 563 tubing

**DETAILS:** Set Otis 65.02 mm PRN plug in Otis RN nipple at 2650.3 mKB (88.9 mm tailpipe bottom)

Rig up Lee Tool slickline unit. Make up lubricator and 65 mm wire brush tool string. Rig up Dowell C&A unit to wellhead wing valve. Pressure test lubricator to 1400 kPa low / 28000 kPa high for 5 minutes each test - OK. Open wellhead - 22000 kPa SITP. Run in hole wire brush assembly to 2650.7 mKB (88.9 mm tailpipe bottom). Stroke wire brush through Otis 65.02 mm RN nipple to clean any accumulated debris from nipple profile. Hoist slickline tools. Install night cap onto wireline lubricator.

Pressure test wellhead assembly to 22000 kPa with Dowell pumper. Open wellhead master valves and wing valve - 22000 kPa SITP. Pump 1.0 m3 40% methanol / fresh water mix at 0.4 m3 / min. Follow methanol water immediately with 10 m3 fresh water inhibited @ 0.75% Baker Petrolite MEP 426 corrosion inhibitor. Final pumping pressure 3500 kPa.

Make up Otis 65.02 mm Incoloy RN plug on slickline tool string. RIH assembly; work plug through upper Otis R nipples. Locate and land RN lock into Otis RXN profile at tailpipe bottom 2650.34 mKB. Jar up on slickline assembly to shear setting pins. Hoist slickline tools. Make up Otis Incoloy equalizing prong. RIH - land prong into Otis RN lock. Hoist slickline tools. Install night cap onto wireline lubricator.

Pressure test surface assembly to 20000 kPa with Dowell pumper. Open wellhead master valves and wing valve - SIPT 5000 kPa (minor inversion since pumping fresh water to tubing). Pump 0.45 m3 inhibited fresh water to tubing string to **pressure test Otis RXN plug to 18000 kPa for 20 minutes (pressure test start 17960 kPa; pressure test end 18060 kPa - OK)**. Bleed off tubing pressure to zero in 2 minutes (all fluid) through Akita choke manifold to degasser tank - no gas.

Make up Lee Tool 58.4 mm OD junk catcher assembly onto slickline tool string. RIH, land junk catcher on top of Otis RN plug at tailpipe bottom 2650.34 mKB.

Lay down wireline equipment.

Monitor well to ensure that both sides static prior to installation of Barber back pressure valve for wellhead removal / BOP nipple up.