

Client Name		Company		Date	
Matt Rees		Petro-Canada		Aug.10/03	
Well Name		Location		Type of Production	
Shaw		14-21-49-22W5		High Rate Acid Frac	
Depth	Drawing	Description	OD(mm)	ID(mm)	Length
		177.8mm Casing 47.16Kg/m L-80 set at 3995m Picked up for tubing compression KBD Hanger			-2.20 5.57 0.23 0.30
		Pin to pin hanger cross over			8.26
		4 PH-6 pups lengths-1.25, 1.71, 2.33, 2.97			3932.77
		114.3mm 23.10 kg/m PH-6 Hydril premium connection tubing 407 jts			0.34
		114.30mm PH-6 Hydril 403 Box 88.90mm EUE Pin L-80 X-Over Sub			
Vertical Section					
3945.19		177.8mm x 88.9mm PL on-off tool with LH release c/w Otis 'X' Profile w/ 69.85mm ID (API Modified)	148.23	69.85	0.58
3945.77		177.8mm x 88.9mm EUE Plus-6 mechanical retrievable double grip 10K packer c/w P-110 mandrel RH set and release and emergency shear safety release (API Modified)	148.23	72.00	2.44
Build Section					
3946.77		88.9mm EUE High Pressure 10K sealed Tubing swivel c/w HSN Elastomer (API Modified) P-110 Material			0.31
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Bevelled Collars			9.60
		88.90mm EUE Profile Nipple Otis Original 'XN' w/ 69.85mm Seal Bore ID & 66.93mm NoGo ID (API Modified) P-110 Landing Nipple to be Halliburton original		66.93	0.44
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Regular Collars			115.02
		177.8mm x 88.9mm RockSeal II packer with HPHT packing element - hydraulic set shear release Heavy Wall P-110 Mandrel Material (Approximate setting pressure 15.5mpa)	146.05	69.85	1.27
		Rockseal centralizer P-110 Material	147.62		0.28
		88.90mm EUE 13.84 kg/m P-110 Tubing c/w Bevelled Collars			71.98
		Ball activated frac port assembly P-110 Material 2 1/2" ball for 2 1/4" Seat		57.15	0.55
		88.90mm EUE 13.84 kg/m P-110 Tubing c/w Bevelled Collars			41.48
		Rockseal centralizer P-110 Material	147.62		0.28
		177.8mm x 88.9mm RockSeal II packer with HPHT packing element - hydraulic set shear release Heavy Wall P-110 Mandrel Material (Approximate setting pressure 15.5mpa)	146.05	69.85	1.27
		Rockseal centralizer P-110 Material	147.62		0.28
		88.90mm EUE 13.84 kg/m P-110 Tubing c/w Bevelled Collars			57.47
		Ball activated frac port assembly P-110 Material 2 1/4" ball for 2" Seat		50.80	0.55
		88.90mm EUE 13.84 kg/m P-110 Tubing c/w Bevelled Collars			31.86
		Ball activated frac port assembly P-110 Material 2" Ball for 1 3/4" Seat		44.45	0.55
		88.90mm EUE 13.84 kg/m P-110 Tubing c/w Bevelled Collars			41.11
		Rockseal centralizer P-110 Material	147.62		0.28
		177.8mm x 88.9mm RockSeal II packer with HPHT packing element - hydraulic set shear release Heavy Wall P-110 Mandrel Material (Approximate setting pressure 14mpa)	146.05	69.85	1.27
		Rockseal centralizer P-110 Material	147.62		0.28
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Regular Collars			56.73
		Ball activated frac port assembly P-110 Material 1 3/4" Ball for 1 1/2" Seat		38.10	0.55
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Regular Collars			67.40
		Rockseal centralizer P-110 Material	147.62		0.28
		177.8mm x 88.9mm RockSeal II packer with HPHT packing element - hydraulic set shear release Heavy Wall P-110 Mandrel Material (Approximate setting pressure 14mpa)	146.05	69.85	1.27
		Rockseal centralizer P-110 Material	147.62		0.28
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Regular Collars			38.47
		High Pressure P-110 Internal Hydraulic Activated Frac Port Tool (Opening Pressure 27MPa) P-110 Material		69.85	0.51
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Regular Collars			57.76
		Rockseal centralizer P-110 Material	147.62		0.28
		177.8mm x 88.9mm RockSeal II packer with HPHT packing element - hydraulic set shear release Heavy Wall P-110 Mandrel Material (Approximate setting pressure 14mpa)	146.05	69.85	1.27
		Rockseal centralizer P-110 Material	147.62		0.28
		88.90mm EUE 13.84 kg/m L-80 Tubing c/w Regular Collars			9.64
		88.90mm EUE Reverse Frac Port Tool P-110 Material (Hydraulic Closing Circulating Sleeve) (1 1/2" Ball for 1 1/4" Ball Seat) Set to close at 5-6 MPA)			0.45
		Rockseal centralizer P-110 Material	147.62		0.28
		88.9mm EUE P-110 Material Bull Plug			0.21
		152.40mm Open Hole			