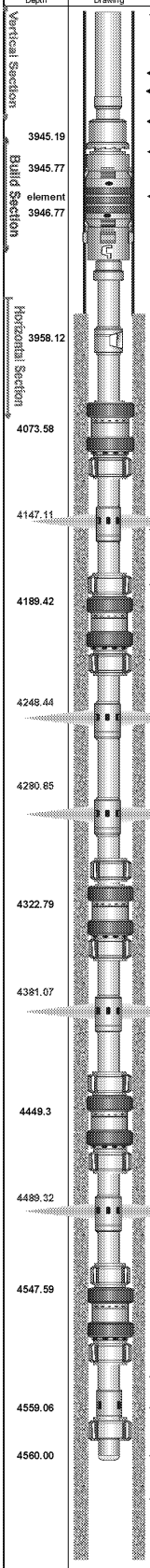
Packers Plus

Do It Once. Do It Right.

Final Installation

Prepared for	Company	Date
Matt Rees	**Petro-Canada**	**Aug.10/03**
Well Name	**Location**	**Type of Installation**
Shaw	**14-21-49-22W5**	**High Rate Acid Frac**



Depth	Description	OD(mm)	ID(mm)	Length
	177.8mm Casing 47.16Kg/m L-80 set at 3995m			
	Picked up for tubing compression			-2.20
	KBD			5.57
	Hanger			0.23
	Pin to pin hanger cross over			0.30
	4 PH-6 pups lengths-1.25, 1.71, 2.33, 2.97.			8.26
	114.3mm 23.10 kg/m PH-6 Hydril premium connection tubing **407 jts**			3932.77
	114.30mm PH-6 Hydril 403 Box 88.90mm EUE Pin L-80 X-Over Sub			0.34
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)**	149.23	69.85	0.58
3945.77				
element 3946.77	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)**	149.23	72.00	2.44
	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
3958.12	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
4073.58	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
4147.11	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
4189.42	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
4248.44	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
4280.85	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
4322.79	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
4381.07	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
4449.3	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
4489.32	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
4547.59	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
4559.06	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
4560.00	88.9mm EUE **P-110 Material** Bull Plug			0.21
	152.40mm Open Hole			

Service Center	Telephone	Contact	Telephone
Red Deer	403-340-0735	Woody Randell	Bruce Bond 263-7587

Contains Confidential Information - This proposal and quote is governed by Packers Plus general terms and conditions

DOCKET ALARM

Find authenticated court documents without watermarks at docketalarm.com.