


Strategic Oil & Gas Ltd.
Final Well Operations Report
Strategic et al Cameron D-49
Well ID – 1973
300/D49601011730/0

- Jan 27, 2019 :** Steam heat wellhead. Attempt to function test master valves. Both valves seized.
- Jan 31, 2019 :** Streamflo to service valves. Bottom master and casing valves functional. Top master seized.
- Feb 1, 2019 :** Replace topmaster. MIRU Spectrum wireline. RIH with guage ring and tag bumper spring..
- Jan 24, 2019 :** RIH and retrieve plunger. RIH and retrieve bumper spring. Pump 4.5 m3 of inhibited water (0.5% CRX132) followed by 0.5m3 50/50 methanol / inhibited water down tubing. Pump 11.0 m3 inhibited water followed by 1.0 m3 50/50 methanol / inhibited water down casing. RIH and close sliding sleeve at 1373.3 mKB. Pump 1.4 m3 of inhibited water followed by 0.2 m3 50/50 methanol / inhibited water down casing. Pump 4.0 m3 of inhibited water followed by 0.5m3 50/50 methanol / inhibited water down tubing. Set plug in 58.67 mm "X" profile at 1376.2 mKB. Plug did not set.
- Feb 3, 2019 :** Pump 0.7 m3 50/50 methanol / inhibited water down casing. Suspect sliding sleeve not closed. Pump 4.0 m3 of inhibited water followed by 0.5 m3 50/50 inhibited methanol water down tubing. RIH and set plug in 58.67 mm "X" profile at 1376.2 mKB. RIH and attempt to close sliding sleeve at 1373.3 mKB. Pump 1.8 m3 50/50 methanol / inhibited water down tubing and 3.5 m3 50/50 methanol / inhibited water down casing. Communication between tubing and casing (sliding sleeve not closed). Pressure up casing to 7000 kPa, tubing pressured up to 7000 kPa at the same time. Held solid for 15 minutes. Good test. StreamFlo on location to change out right side casing valve.


Mar 7, 2019

WELL TERMINATION RECORD

INSTRUCTIONS:

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation by email to orogo@gov.nt.ca.
3. Send two signed hard copies of this form and supporting technical documentation by courier to:
 Chief Conservation Officer
 Office of the Regulator of Oil and Gas Operations
 4th floor Northwest Tower
 5201 50th Avenue
 Yellowknife NT X1A 3S9

WELL INFORMATION

Well Name	Strategic et al Cameron D-49	Operator	Strategic Oil & Gas Ltd.
Well Type	Development Well (if Other, specify _____)	Contractor	Spectrum Wireline
Well Identifier	1973	Current Well Status	Suspended

RELATED LICENCES AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-007	Operations Authorization	OA - 1237-001
PRA Licence No.	Production Licence 015	Approval to Alter Condition of Well	ACW -

LOCATION INFORMATION

Coordinates Datum: NAD27 (if Other, please specify _____)

Surface	Lat 60° 8' 10"	Long 117° 38' 56"
Bottom Hole	Lat 60° 8' 10"	Long 117° 38' 56"

Region: Dehcho Unit D Section 49 Grid 60-10 117-30

ACTIVITY INFORMATION

Target Formation(s)	Sulphur Point	Field/Pool(s)	/
Elevation KB/RT	731.5 m	Ground Level / Seafloor	727.1 m
Spud/Re-entry Date	Jan 27, 2019 days	Total Depth	1582.0 m KB
Rig Release Date	Feb 3, 2019	Total Vertical Depth	1582.0 m KB

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m ³)
219.1	35.72	J-55	431.3	33.0 tonnes
139.7	20.83	J-55	1579.0	30.0 tonnes

PLUGGING PROGRAM

Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m ³)
Other	-	Select	1376.2	
Select	-	Select		
Select	-	Select		
Select	-	Select		


PERFORATION

Interval (m KB)	Comments
1503.0-1508.0	Keg River - suspended
1387.0-1403.0	Sulphur Point - suspended
-	
-	

OTHER

Lost Circulation/Overpressure Zones	
Equipment Left on Site (Describe)	Gas well production equipment
Provision for Re-entry (Describe and attach sketch)	
Other Downhole Completion/Suspension	
Additional Comments	

"I certify that the information provided on this form is true and correct"

Name	Ken Nikiforuk	Phone	(403) 767-2944 Ext
Title	Completions Manager	E-Mail	knikiforuk@sogoil.com
Operator	Strategic Oil & Gas Ltd.		
Signature	 Responsible Officer of Company	Date	March 7, 2019

OROGO use only
 Unique Well Identifier 30 / - - /
 (eg 300 / A01 60-00 120-00 / 0)



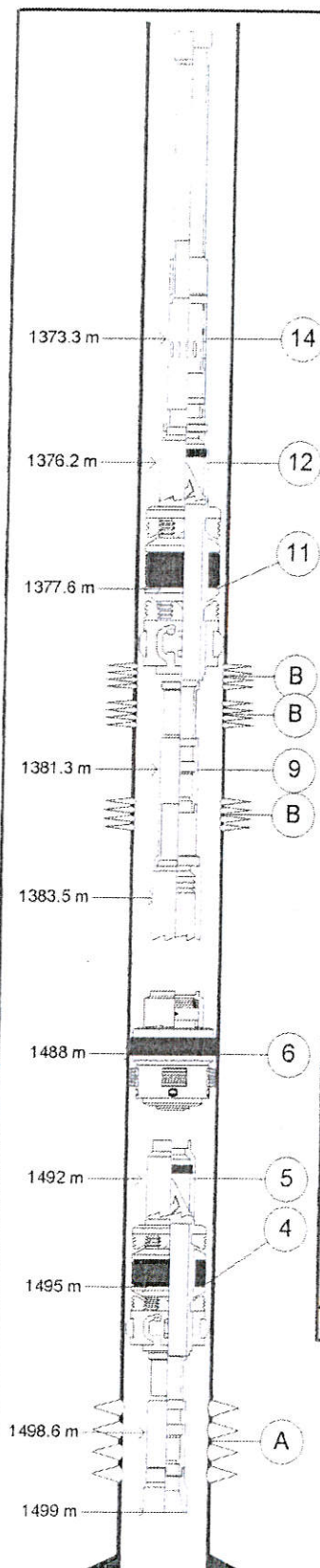
Weatherford®

Final Installation Report

Company	Paramount Resources		Reference	43696	
Prepared for	Kim Macleod	Phone	403-987-6663	Location D-49	
Prepared by	Craig McConnell	Sales Rep	Sales Rep		
Service Centre	High Level	Drawn by	Craig McConnell	Date	March 4, 2005

ITEM	DESCRIPTION	I.D.	O.D.	Length
1.	73mm Wireline Re-entry Guide	62.00	93.20	1499.00
2.	2.31XN Profile c/w 56mm Nogo	56.00	93.20	1498.56
3.	73mm J-55 Eue Pup Joint	62.00	93.20	1495.45
4.	139.7mm "QDG" 42mpa Double Grip Production Packer	62.00	121.40	1494.75
5.	Extended neck Slick Joint c/w 2.31 X Profile	58.67	73.00	1492.88
6.	139.7mm Wireline set Retrievable Bridge Plug CE @1488.00mkb		121.40	1.23
7.	Wireline Retrieving Tool	62.00	121.40	.12
8.	73mm J-55 Eue Pup Joint	62.00	93.20	1.22
9.	2.31XN Profile c/w 56mm Nogo	62.00	93.20	.32
10.	73mm J-55 Eue Pup Joint	62.00	93.20	3.03
11.	139.7mm "QDG" 42mpa Double Grip Production Packer CE @ . mkb	62.00	121.40	1.47
12.	139.7mm On/Off Tool c/w 2.31 X Profile in Slick Joint	58.67	95.30	.58
13.	73mm J-55 Eue Pup Joint	62.00	93.20	1.91
14.	CXU Sliding Sleeve c/w 58.67 X Profile	58.67	93.20	.96
15.	73mm J-55 Eue Pup Joint	62.00	93.20	2.42
16.	73mm J-55 Eue Tubing to Surface	62.00	93.20	1365.52
A.	Keg River Perforations	1503.00	1508.00	
B.	Sulphur Point Perforations	1387.00	1390.00	
B.	Sulphur Point Perforations	1396.00	1397.00	
B.	Sulphur Point Perforations	1399.00	1403.00	

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- Feb 3, 2019 - sliding sleeve at 1373.3 mKB remains open

- Feb 3, 2019 - plug in place in 2.31" X profile at 1376.2 mKB

Operator: Strategic Oil & Gas Ltd. D-49 60 10N,117 30W Reporting To: Ken Nikiforuk

Consultant: Pete Dyck

Tel2:
Tel1: (780) 841-7816

UWI: 300D496010117300		WELL: Strategic et al Cameron D-49		DATE: 03-Feb-2019	
24 Hr Summary: Run Plug / Close sleeve / Fill Tbg & Csg / PT 7mpa -good test / MOL				END: 04-Feb-2019	
Formation:		Surf Loc: D49601011730		Licence: 1973	
Objective: Suspend well with slickline		Serv Rig Start:		Serv Rig End	
Operations at 6:00: Suspension Completed				AFE #: 19WRCAM009	
Daily Cost: \$33,781		Previous Cumulative Cost: \$54,470		Cum Cost: \$88,251	
Ground:	727.10 m	KB To TH	m	Open Hole:	mKB
KB to Grd:	4.40 m	Tubing:	mm	Bot at:	m
TD (MD):	1,582.00 m	Casing:	mm	Set at:	m
PBTD:	1,579.90 m	Liner:	mm	Top at:	m
BOP Drill:		BOP Press Test:		Function Test:	
SITP:	2100 kPa	SICP:	3330 kPa	SCV:	kPa
				H ₂ S	%

Remarks:

Time From	Time To	Hours	Code	Comments
06:30	11:00	4.5	SAFE	Held daily safety and operational meeting with all personal at camp, extreme Cold -40c, Review Job procedures, Hazards, weather conditions, Issue work permit. Travel to location.
				Allow additional for equip Hydraulics to warmup.
				Wait for temprature to warmup some. Sweep for gas None detected.
				Steam heat wellhead, Record SITP 2100kpa, SICP 3330kpa.
				Rig pressure truck to Casing Pump 700L of 50/50 methonal water down casing at 5.5mpa at 50L min, suspect sleeve not fully closed.
11:00	17:30	6.5	SLICK	Move in Tanker c/w 15m3 of warm fresh inhibited water, Pump 4m3 down Tbg to kill Tbg Follow with 500L of methonal water.
				Rig in slickline equip, Purge Lubricator with N2& PT 5mpa Test Good.
				MURIH with 2.31in PX Plug body to 1368MGL, Plug did not appear to set properly. POOH. FL @ 470M
				MURIH with GS Pulling tool Latch Plug POOH. (Plug was set in Sleeve)
				Redress plug & Rerun to 1370MGL and set in "X" profile in on/off. POOH. (Hard time get plug to set) MURIH with Prong and set in PX Plug at 1370MGL, POOH.
				MURIH with shifting tool to CXU Sleeve, Insure sleeve is closed, POOH.
				Pump 1.8m3 down Tbg. & 3.5m3 down Casing, communication between tbg and Casing.
				Pressure up on casing to 7mpa, Tbg pressure up to 7mpa, both Tbg and casing held solid for 15mins. Bleed off pressure. Change right side casing valve.
				Wellhead Chained and Locked.
17:30	18:30	1	SDFN	Take Photos of wellhead and Lease. Move off location.

Total: 12

Equipment on Location: Slickline unit, Picker, Tanktruck, pressure truck, Steamer, MTC

Reservoir Fluids Summary	Reset	<input type="checkbox"/> Gas:	Daily:	10 ³ m ³ /d	Cum:	0 10 ³ m ³	Tubing volume:	m ³
	Cums	<input type="checkbox"/> Oil or Condensate:	Daily:	m ³	Cum:	0 m ³	Csg. ann vol:	m ³
		<input type="checkbox"/> Water:	Daily:	m ³	Cum:	0 m ³	Open hole vol:	m ³
		Time Swabbed/Flowed:	Daily:	hrs	Cum:	hrs	Total:	0 m ³
Load Fluids	Reset	<input type="checkbox"/> OIL	Used	m ³	Cum	0 m ³	Rec	m ³
	Cums	<input type="checkbox"/> WATER	Used	m ³	Cum	0 m ³	Rec	m ³
		<input type="checkbox"/> OTHER	Used	m ³	Cum	0 m ³	Rec	m ³
Hours	Service Rig Hours	Daily	hrs	Cumulative	hrs	DownTime:	hrs	Cumulative DownTime:
	Personnel on Location	Rig:		Service:		Company:		Total Personnel:
	Weather: overcast/calm	Temp	-39 °C	Lease: snow covered		Roads: winter roads		
Manager:		Programmed By:						

Operator: Strategic Oil & Gas Ltd. D-49 60 10N,117 30W Reporting To: Ken Nikiforuk

Consultant: Pete Dyck

 Tel2:
 Tel1: (780) 841-7816

UWI: 300D496010117300		WELL: Strategic et al Cameron D-49		DATE: 02-Feb-2019	
24 Hr Summary: Pull Plunger / Close sleeve/ Fill casing / Flush Tbg / RIH Plug- didn't Set					
Formation:		Surf Loc: D49601011730		Licence: 1973 Day #: 4	
Objective: Suspend well with slickline			Serv Rig Start:		Serv Rig End
Operations at 6:00: Redress Plug and rerun/ PT Tbg & Casing			AFE #: 19WRCAM009		AFE Estimate: \$72,470.00
Daily Cost: \$25,508		Previous Cumulative Cost: \$28,962		Cum Cost: \$54,470	
Ground:	727.10 m	KB To TH	m	Open Hole:	mKB
KB to Grd:	4.40 m	Tubing:	mm	Bot at:	m
TD (MD):	1,582.00 m	Casing:	mm	Set at:	m
PBTD:	1,579.90 m	Liner:	mm	Top at:	m
BOP Drill:		BOP Press Test:		Function Test:	
SITP: 3240 kPa	SICP: 6680 kPa	SCV:	kPa	H ₂ S	%

Remarks:

Time From	Time To	Hours	Code	Comments
06:30	07:30	1	SAFE	Meet with all personal at Camp, Held daily safety and operational meeting,review Job procedures,Hazards,Weather conditions, Issue work permit.
				Travel to Location.
				Sweep wellhead for H2s and LEL'S none detected.
07:30	15:00	7.5	SLICK	Rig in Steamer, Tarp wellhead,heat wellhead.
				Record SITP 3240kpa, SICP 6680kpa.
				Purge and PT Lubricator with N2 to 4mpa.Test Good.
				MURIH with 2.5in SB Pulling tool to pull bumper spring @1367MGL, not able to get latch,POOH.
				MURIH with 2.5in GS pulling tool to 1367MGL,not able to Get latch,POOH
				MURIH with 2.27in (57.6mm) Impression Block,POOH, got impression of possible 2in Internal Fish neck.
				MURIH with 2in GS Pulling Tool, latch and retrieve Plunger.
				MURIH with 2.5in RB pulling tool Latch and pull bumper spring from CXU sleeve at 1367MGL POOH
				Rig in pressure truck Pump 4.5m3 of Fresh Inhibited fluid down Tbg (0.5% CRW132 Inhibitor)
				follow with 500L of 50/50 Methonal water for freeze protection. Tbg On Vac.
				Rig pump line to Casing. Pump 11m3 of fresh inhibited fluid down Casing. & 1m3 of 50/50 methonal water for freeze protection. Casing on Vac.
				MURIH with 2.5in Otis "B" shifting tool and close CXU sleeve at 1368MGL POOH
				Fill Casing with 1.4m3 of Inhibited water down Casing and 200L of 50/50 Methonal water.
				SITP 1300kpa Pump 4m3 of Inhibited Fresh water down Tbg. & 500L of 50/50 Methonal water.

Total: 12

Equipment on Location: Slickline unit, Picker,Tanktruck, pressure truck,Steamer,MTC

Reservoir Fluids Summary	Reset	<input type="checkbox"/> Gas:	Daily:	10 ³ m ³ /d	Cum:	0 10 ³ m ³	Tubing volume:	m ³				
	Cums	<input type="checkbox"/> Oil or Condensate:	Daily:	m ³	Cum:	0 m ³	Csg. ann vol:	m ³				
		<input type="checkbox"/> Water:	Daily:	m ³	Cum:	0 m ³	Open hole vol:	m ³				
	Time Swabbed/Flowed:		Daily:	hrs	Cum:	hrs	Total:	0 m ³				
Load Fluids	Reset	<input type="checkbox"/> OIL	Used	m ³	Cum	0 m ³	Rec	m ³	Cum	0 m ³	To Rec	0 m ³
	Cums	<input type="checkbox"/> WATER	Used	m ³	Cum	0 m ³	Rec	m ³	Cum	0 m ³	To Rec	0 m ³
		<input type="checkbox"/> OTHER	Used	m ³	Cum	0 m ³	Rec	m ³	Cum	0 m ³	To Rec	0 m ³
Hours	Service Rig Hours		Daily	hrs	Cumulative	hrs	DownTime:	hrs	Cumulative DownTime:	hrs		
	Personnel on Location		Rig:		Service:		Company:		Total Personnel:	0		
	Weather: overcast/calm		Temp	-34 °C	Lease: snow covered			Roads: winter roads				
Manager:			Programmed By:									

Operator: Strategic Oil & Gas Ltd. D-49 60 10N,117 30W Reporting To: Ken Nikiforuk

Consultant: Pete Dyck

 Tel2:
 Tel1: (730) 341-7313

UWI: 300D496010117300		WELL: Strategic et al Cameron D-49		DATE: 01-Feb-2019				
24 Hr Summary: Change Out top Master, Rig in Slickline Run gauge to 1368MGL, SDFN				END: 04-Feb-2019				
Formation:		Surf Loc: D49601011730		Licence: 1973	Day #: 3			
Objective: Suspend well with slickline			Serv Rig Start:		Serv Rig End			
Operations at 6:00: Pull Bumper spring/ Suspend well.				AFE #: 19WRCAM009	AFE Estimate: \$72,470.00			
Daily Cost: \$26,959		Previous Cumulative Cost: \$2,003		Cum Cost: \$28,962				
Ground:	727.10 m	KB To TH	m	Open Hole:	mKB			
KB to Grd:	4.40 m	Tubing:	mm	Bot at:	m			
TD (MD):	1,582.00 m	Casing:	mm	Set at:	m			
PBTD:	1,579.90 m	Liner:	mm	Top at:	m			
BOP Drill:		BOP Press Test:		Function Test:				
SITP:	3100 kPa	SICP:	kPa	SCV:	kPa			
				H ₂ S	%			
Remarks:								
Flow cross studs corroded and seized onto Top Master, not able to break flow cross and top master apart. 73mm EUE Companion flange installed on new top master valve. (Top Master Valve reconditioned Strategic Inventory)								
Time From	Time To	Hours	Code	Comments				
06:30	07:00	0.5	SAFE	meet with all personal at camp. Held daily operational safety meeting. Review job procedures, Hazards, Weather, Driving, Issue work permit.				
07:00	08:00	1	MOVE	Travel from Camp to Location with all services. Sweep wellhead for Gas, None detected.				
08:00	15:30	7.5	WLHD	Steamheat wellhead Remove insulation from Piping and steam heat all wellhead Piping insure no Ice Plugs, Bleed off Top Section of wellhead.				
				Remove Piping from Wellhead Install Blind on Flowline.				
				Remove Plunger catcher & plunger control Valves.				
				Install Companion Flange on Casing valve c/w 2in x 1/2in Bull plug c/w needle valve & 1/2in plug.				
				ND Flow cross and top Master, NU New 2 9/16 Master valve c/w 73mm EUE Companion flange.				
				Additional time to complete wellhead work due to Weather conditions & corroded-Rusted Studs.				
15:30	18:00	2.5	SLICK	Rig in Slickline equip, Purge Lubricator with N2, PT Lubricator with N2, O-ring leaks, Change O-rings and PT Lubricator and Top master valves flanges to 10mpa with N2, Test Good.				
				MURIH with 59.43mm (2.34in) gauge ring tag bumper spring at 1368MGL, POOH.				
18:00	19:00	1	SDFN	Secure well, SDFN Travel back to Camp				
Total: 12.5								
Equipment on Location: Steamer, Slickline unit, picker, Valve service unit, Tank truck, pressure truck, MTC, Crew truck								
Reservoir Fluids Summary	<input type="checkbox"/> Gas:		Daily:	10 ³ m ³ /d	Cum:	0 10 ³ m ³	Tubing volume:	m ³
	<input type="checkbox"/> Oil or Condensate:		Daily:	m ³	Cum:	0 m ³	Csg. ann vol:	m ³
	<input type="checkbox"/> Water:		Daily:	m ³	Cum:	0 m ³	Open hole vol:	m ³
	Time Swabbed/Flowed:		Daily:	hrs	Cum:	hrs	Total:	0 m ³
Load Fluids	<input type="checkbox"/> OIL		Used	m ³	Cum	0 m ³	Rec	m ³
	<input type="checkbox"/> WATER		Used	m ³	Cum	0 m ³	Rec	m ³
	<input type="checkbox"/> OTHER		Used	m ³	Cum	0 m ³	Rec	m ³
Hours	Service Rig Hours		Daily	hrs	Cumulative	hrs	DownTime:	hrs
	Personnel on Location		Rig:		Service:		Company:	
	Weather: overcast/calm		Temp	-35 °C	Lease:	snow covered	Total Personnel:	0
Manager:		Programmed By:						



HEAD OFFICE SALES, SERVICE
& MANUFACTURING
4505 - 74th AVE EDMONTON, AB
CANADA T6B 2H5
PHONE (780) 468-6789 FAX (780) 469-7724

FIELD SERVICE REPORT

FSR#076712

Branch RL

Call Sheet/BOL No. _____

Sales Order No. 322006 Shp# 308433

FLRA No. 73582

DATE: Feb 1/2019

CUSTOMER: Strategic

LEASE: D-49

RIG#/FRAC COMPANY: _____

CONTACT NAME: Pete Dyck

PHONE: _____

E-MAIL / FAX: _____

UNIT# / TOOL#: 2-131

SERVICE TECH: Blair Standing SERVICE TECH: _____

SERVICE TECH: Ashley Murphy SERVICE TECH: _____

SERVICE PERFORMED: Change master valve

Strategic Oil & Gas

1100,645-7th Ave SW Calgary, T2P 4G8

Lease: D-49

AFE#: 19WRCAM009 Code: 9920-247

Consultant: Pete Dyck Ph# 1-780-841-7816

Customer Stamp/Sticker/Coding

BOWL THD/ MFG/ SIZE/ TYPE:

CASING SIZE:

CSG SLIPS:

AUTO

MANUAL

FMH

CUT & BEVEL HT:

Drive from camp to site. fill out flre, wait for steamer
to heat well / pipe. prove O. Remove all flow line piping
tried to remove cross but would not come apart from
master valve. Had to Remove with top master and
Replace with new CF2125x278 flange up casing valve.

Very Hard nuts to turn / area to work in.

Rig out Drive to next site.

Replace master with CP Valve and bolt up
S.N # 22443-02

Value was test / serviced in shop was not pulled
apart and inspected

#1 TEST PRESSURE: 3 MIN. HELD 100%

#2 TEST PRESSURE: 15 MIN. HELD 100%

ADDITIONAL EQUIPMENT / PARTS & SUPPLIES: (will be added to Sales Order if not priced)

	BALL DROPPER RENTAL				\$
PBPD	PUMP BLOCK				\$
WCVD	WELL CONTROL VALVE				\$
STTR	SAND PUMPING CHG. m³/MIN x TONNAGE, TO A MAX CHARGE OF \$2000.00				\$
RCRT	SERVICE & MAINTENANCE, Post Frac Completion to Location/ Job	2-Per Dia @ 35.00			\$ 70.00
	1- 2Hm-78 @ 1.90	\$ 1.90	32- nut 2Hm-1 @ 2.20		✓ \$ 70.40
	1- RG-R2455 @ 52.00	\$ 52.00	1- CF-2125x278 @ 368.00		✓ \$ 368.00
	2- RG-R2735 @ 64.00	\$ 128.00	1- BP-179x12X2H @ 84.00		✓ \$ 84.00
	16- 527m-1X7 @ 9.50	\$ 152.00	1- PP-12 @ 2.30		✓ \$ 2.30

MILEAGE:

LOAD/TRAVEL TIME	SERVICE	9 @ 270.00	\$ 2430.00
ON LOCATION TIME	SERVICE	1.5 @ 130.00	\$ 195.00
OFF LOCATION TIME	SUBSISTENCE	CP/6v25F5T-37	\$
RETURN/UNLOAD TIME	ACCOMMODATION	S.N # 22443-02	\$
TOTAL TIME	ENVIRO	1 @ 85.00	\$ 85.00

Sales Order will be processed to finalize

Signature may be required on finalized Sales Order/Invoice

SUB-TOTAL: \$3690.11

Prices Do Not Include GST/ PST/ HST

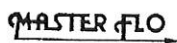
HEAD OFFICE COPY
THIS IS NOT AN INVOICE

STREAM-FLO REPRESENTATIVE SIGNATURE

INVOICE TO FOLLOW

CUSTOMER SIGNATURE (SERVICE ACKNOWLEDGEMENT)

(SIGNATURE CONFIRMS THAT THE CUSTOMER ACCEPTS THE TERMS
AND CONDITIONS OF THIS TICKET)





Tel2:
Tel1: (780) 841-7816

Page 1 of 1



Consultant: Pete Dyck

Tel2:
Tel1: (780) 841-7816

Version 1172