

WELL COMPLETION REPORT

Well Name: RANGER P-66-A Ft. Liard		Daily Costs: Feb 23/00	
Purpose of Job: Tubing change		Report #: 20	
Report From: R. Elliott	Report To: Leroy Brown	Daily Costs: \$56,150	Previous Costs: \$1,156,292
Current Operation:		Cummulative Costs: \$1,212,442	AFE Estimate: \$1,721,500
Contractor: BONUS RIG # 6	Fluid Vol. m ³	F	Oil
Road/Lease: O.K.	Total Hauled to Lease:		
Weather:	Total Hauled from Lease:		
Contact Phone: 1-600-700-5087	Total in Tanks:		
Zone: Tight Hole	Initial Well Fluid:		
Perforations:	Total Load Fluids:		
SITP KPa @ 06:00 hrs	Non-recov. Ann. Fluids:		
SICP KPa @ 06:00 hrs	Recovery Last 24 hrs.		
Rig Hr. Cum Rig Hrs.:	Recovery to Date:		
	Load to Recover (+New)		
TIME	OPERATION		
07:30	Cont to load & move service rig and equipment Police location & release service rig and equipment		
12:00	No accidents incidents to report during workover End report		

WELL COMPLETION REPORT

Well Name: RANGER P-66-A Ft. Liard				Daily Costs: Feb 22/00	
Purpose of Job: Tubing change				Report #: 19	
Report From: R. Elliott		Report To: Leroy Brown		Daily Costs: \$61,150	
Current Operation:				Previous Costs: \$1,095,142	
				Cumulative Costs: \$1,156,292	
Contractor	Fluid Vol. m3		F	Oil	AFE Estimate: \$1,721,500
Road/Lease	Total Hauled to Lease:				AFE# POD 020
Weather:	Total Hauled from Lease:				KB Elev: 459.89 in
Contact Phone:	Total in Tanks:				KB. to CF: 10.35 in
Zone:	Initial Well Fluid:				KB. to THF: 8.60 m
Perforations:	Total Load Fluids:				Notes:
SITP	KPa @ 06:00	hrs	Non-recov. Ann. Fluids:		
SICP	KPa @ 06:00	hrs	Recovery Last 24 hrs.		
Rig Hr.	Cum Rig Hrs.:		Recovery to Date:		
		Load to Recover (+New)			
TIME	OPERATION				
07:00	Start rig and equip - Walkaround inspection - Hold safety meeting w/ all onsite personnel Move in and rig up Baker Atlas electric wireline to run in w/ mini DVRT tubing inspection log and log 114.3 NSCT production string - Log down to 2951mKb and log back to surface - OK Install TWCV & shutin & chain up wellhead				
11:30	Rig out and release Baker Atlas				
12:00	Rig out Service rig and equipment - Pull rig off well & remove derrick haul derrick to Ft. Nelson - Rack carrier on rack site across hi-way and haul picker load to Ft. Nelson - wait on trucks and daylight to move rest of equipment				
** 25 JI's of 4 1/2" NSCT tbg on location (5 JI's were damaged) arraignments were made to haul these jt's to Guardians yard in Nisku on a backhaul of construction equipment - per Orville / Paul					

WELL COMPLETION REPORT

Well Name: RANGER P-66-A Ft. Liard		Daily Costs: Feb 21/00	
Purpose of Job: Tubing change		Report # 18	
Report From: R. Elliott	Report To: Leroy Brown	Daily Costs: \$172,943	Previous Costs: \$922,199
Current Operation:		Cummulative Costs: \$1,095,142	
Contractor: BONUS RIG # 6	Fluid Vol. m3	Oil	AFE Estimate: \$1,21,500
Road/Lease: O.K.	Total Hauled to Lease:		AFE# POD 020
Weather:	Total Hauled from Lease:		KB Elev: 459.99 m
Contact Phone: 1-600-700-5087	Total in Tanks:		KB. to CF: 10.35 m
Zone: Tight Hole	Initial Well Fluid:		KB. to THF: 8.60 m
Perforations:	Total Load Fluids:		Notes:
SITP	KPa @ 06:00 hrs	Recovery Last 24 hrs.	
SICP	KPa @ 06:00 hrs	Recovery to Date:	
Rig Hr:	Cum Rig Hrs..	Load to Recover (+New)	

TIME

OPERATION

07:30 Start rig and equip - Walkaround inspection - Hold safety meeting w/ all onsite personnel
 Pick up and tie Baker SSSV control line through hanger & install 1/4" valve and pressure up on line to open SSSV
 sting into packer and land bkg hanger in 1 daN compression. Fill annulus and pressure test backside to 1.4 & 28
 mPa for 15 minutes each while monitoring bkg test - OK - Bleed pressure from annulus and pressure test bkg
 1.4 & 28 mPa for 30 min each -OK - solid like a rock. Rig down and release Gatorhawk and Rig service longs and
 lay-down equipment rig out working floor and nipple down BOP's w/ picker truck (haul back to town for shipment to
 McCollands in G.P.) and nipple up wellhead w/ gauge and valve installed for SSSV control line (pressure up on
 control line to open valve - OK) and pressure test all valves and components on the well head to 35mPa - OK
 Rig out BOP lines and all nonessential rig equipment for move after wireline operation in the morning

WELL COMPLETION REPORT

Well Name: RANGER P-66-A Ft. Liard			Daily Costs: Feb 20/00		
Purpose of Job: Tubing change			Report #: 1		
Report From: R. Elliott		Report To: Leroy Brown			Daily Costs: \$42,838
Current Operation: String in to packer and pressure test tubing			Previous Costs: \$879,361	Cummulative Costs: \$922,199	
Contractor:	Fluid Vol. m3		F	Oil	AFE Estimate: \$1,721,500
Road/Lease:	Total Hauled to Lease:				AFE# POD 020
Weather:	Total Hauled from Lease:				KB Elev: 459.89 m
Contact Phone:	Total in Tanks:				KB. to CF: 10.35 m
Zone:	Initial Well Fluid:				KB. to THF: 8.60 m
Perforations:	Total Load Fluids:				Notes:
SITP	KPa @ 06:00	hrs	Non-recov. Ann. Fluids:		
SICP	KPa @ 06:00	hrs	Recovery Last 24 hrs:		
Rig Hr:	Cum Rig Hrs.:		Recovery to Date:		
			Load to Recover (+New)		
TIME	OPERATION				
07:30	Start rig and equip - Walkaround inspection - Hold safety meeting w/ all onsite personnel and run in the hole w/ 10 Jt's of 1 1/4.3mm NSCT tubing off pipe racks and string into Guiberson packer at 2949m KB pull out of the hole w/ 17 Jt's and pick up Baker SSSV (internally pressure test valve from below to 4500psi and connectors above to the same 5000psi is the limit on the valve) with a XXm pup Jt. Below and a XXm pup Jt above the heavy walled flow couplings on the SSSV. Run in w/ Baker control line installed and pressurized to keep the SSSV opened. Pick-up and make up tubing hanger pull 1 Jt and internally pressure test Hanger connection to 6000psi - OK make up Jt to string - externally pressure test connection to 6000psi and run in w/ hanger below annular element - close bag on landing pup and reverse circulate hole w/ 105m ³ petroleum distillate Distillate back to surface				
1:00	Shut-in and secure well for night				

WELL COMPLETION REPORT

Well Name: RANGER P-66-A Ft. Liard		Daily Costs: Feb 19/00	
Purpose of Job: Tubing change		Report # 16	
Report From: R. Elliott	Report To: Leroy Brown	Daily Costs: \$23,438	Previous Costs: \$855,923
Current Operation: Running prod tubing		Cummulative Costs: \$879,361	AFE Estimate: \$1,721,500
Contractor: BONUS R/G#6	Fluid Vol. m ³ F Oil	AFE# POD 020	
Road/Lease: O.K.	Total Hauled to Lease:	KB Elev: 459.89 m	
Weather:	Total Hauled from Lease:	KB. to CF: 10.35 m	
Contact Phcne: 1-600-700-5087	Total in Tanks:	KB. to THF: 8.60 m	
Zone: Tight Hole	Initial Well Fluid:	Notes:	
Perforations:	Total Load Fluids:		
SITP KPa @ 06:00 hrs	Non-recov. Ann. Fluids:		
SICP KPa @ 06:00 hrs	Recovery Last 24 hrs.		
Rig Hr: 24.0	Cum Rig Hrs: 77.0	Recovery to Date:	
		Load to Recover (+New)	

TIME	OPERATION
07:30	Start rig and equip - Walkaround inspection - Hold safety meeting w/ all onsite personnel and run in the hole w/ 144.3mm NSCT production tubing string. Tally and pick up pipe off the racks - drift and make up pipe to 3800 ft lbs w/ Rig services integral tongs chart and record all made up connections w/ computer - 101 J's ran today for a total 301 in the hole at quitting time Pipe connections were externally tested to 5800psi w/ tuboscope Gatorhawk
20:00	Shut in and secure well for night

WELL COMPLETION REPORT

Well Name: RANGER P-66-A Ft. Liard				Daily Costs: Feb 18/00	
Purpose of Job: Tubing change				Report #: 15	
Report From: R. Elliott		Report To: Leroy Brown		Daily Costs: \$23,438	
Current Operation: Running prod tubing				Previous Costs: \$832,485	
				Cummulative Costs: \$855,923	
				AFE Estimate: \$1,721,500	
Contractor:	BONUS RIG#6			AFE#	POD 020
Road/Lease:	O.K.			KB Elev:	459.89 m
Weather:				KB. to CF:	10.35 m
Contact Phline:	1-600-700-5087			KB. to THF:	8.60 m
Zone:	Tight Hole			Notes:	
Perforations:					
SITP	KPa @	06:00	hrs		
SICP	KPa @	06:00	hrs		
Rig Hr:	24.0	Cum Rig Hrs.:	77.0	Load to Recover (+New)	
TIME	OPERATION				
07:30	Start rig and equip - Walkaround inspection - Hold safety meeting w/ all onsite personnel and run in the hole w/ 144.3mm NSCT production tbg string. Tally and pick up pipeoff the racks - drift and make up pipe to 3800 ft lbs w/ Rig services integral tongs chart and record all made up connections w/ computer - 100 J's ran today for a total 200 in the hole at quitting time Tbg. Connections were externally tested to 5800psi w/ Gatorhawk				
20:00	Shut in and secure well for night				
** 1J was rejected due to a bad seal - it wouldn't test appears to be a factory machining problem					

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-14-00
Purpose of Job: Workover Tbg. Change				Report #: 11
Report From: R. Elliott		Report To: L.Brown/K Kindjerski		Daily Costs: \$49,771
Current Operation: Wait on Baker Atlas logging truck				Previous Costs: \$715,490
				Cummulative Costs: \$765,261
Contractor:	Fluid Vol. m3	F	Oil	AFE Estimate: \$1,721,500
Road/Lease:	Total Hauled to Lease:			AFE# P00 -020
Weather:	Total Hauled from Lease:			KB Elev: 459.89 m
Contact Phone:	Total in Tanks:			KB. to CF: 10.35 m
Zone:	Initial Well Fluid:			KB. to THF: 8.60 m
Perforations:	Total Load Fluids:			Notes:
SITP 0	Non-recov. Ann. Fluids:			
SICP 0	Recovery Last 24 hrs.			
Rig Hr: 12.0	Recovery to Date:			
	Cum Rig Hrs.: 36.0			Load to Recover (+New)

TIME

OPERATION

07:30 Wait on instructions for line cutting procedure (the amount of line that should be left on the drum) It was decided
 11:30 that 350m's was minimum - then sent wireliners to camp to sleep as they were hauled out
 18:00 Cut 45m's of line and retied shooting head and made up and ran in the hole w/ 9 5/8" DVRT log to 2850mKb
 and powered up tool - the tool again wouldn't respond - Pulled out of the hole and laid down the tool - Confired w/
 Baker Atlas's office for instructions - we had 500 m's + on the drum - and it was decided that the risk of running
 the tool, because of the condition of the wire, was not acceptable.
 21:00 Rigged down Baker atlas and shut in and secured the well for the night - Another line truck w/ a high temp line was
 dispatched to location and should according to Baker should arrive around 14:00 hr's tomorrow. Cleaned up and
 reconditioned 9 5/8' DVRT logging tool so as to be ready to run tomorrow

** Forward test equipment was rigged down and released and loaded and hauled back to Ft. St. John in the morning

WELL COMPLETION REPORT

Well Name:	Ranger Fort Liard - P- 66 - A			Date:	Feb-13-00	
Purpose of Job:	Workover Tbg. Change			Report #:	10	
Report From:	R. Elliott	Report To:	L Brown/K Kindjerski		Daily Costs:	\$29,157
Current Operation:				Previous Costs:	\$484,114	
Contractor:	TRIMAT Rig 5	Fluid Vol. m3	F	Oil	Cummulative Costs:	\$523,271
Road/Lease:	O.K.	Total Hauled to Lease:			AFE Estimate:	\$1,721,500
Weather:	cold - clear	Total Hauled from Lease:			AFE#	POD -020
Contact Phone:	600-700-28475087	Total in Tanks:			KB Elev:	459.89 m
Zone:	Tight Hole	Initial Well Fluid:			KB. to CF:	10.35 m
Perforations:		Total Load Fluids:			KB. to THF:	8.60 m
SITP	0	KPa @ 08:00	hrs	Recovery Last 24 hrs.	Notes:	
SICP	0	KPa @ 08:00	hrs	Recovery to Date:		
Rig Hr.	12.0	Cum Rig Hrs.:	36.0	Load to Recover (+New)		

OPERATION

07:30 Wait on replacement parts from Baker Atlas Edmonton Hold safety meeting on job procedure
16:00 Parts arrived on location - Make up and RIH w/ 9 5/8" DVRT casing inspection log - Run in to 1900mKb and cont to log down to complete previous pass. The log crapped out at 2500mKb then briefly started again then quit. We continued to run in to the liner top @ 2909 and attempted to log up but tool wouldn't start - POOH w/ DVRT
18:30 Cut 550m's of line and retie head - Pick-up 7" DVRT and run in to top of packer at 2949 and log up to liner top then run back in and repeat log - log's show 7% corrosion Pull out of the hole w/ tool
24:00 Make up and run in w/ 9 5/8" DVRT log and log from 2500mKb to 2650mKb log crapped out and wouldn't start again as usual - POOH w/ tool and cut 25m's of line and retie shooting head
03:30 Run in w/ 9 5/8" DVRT to top of liner and power up tool - the tool wouldn't record and we are out of line to cut (total line cut to this point 1100m's)
05:00 Pull out of the hole and rig down Baker Atlas used to have wireline truck
06:30 Shut in and secure well for what is left of the night

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-12-00	
Purpose of Job: Workover Tbg. Change				Report #: 9	
Report From: R. Elliott		Report To: L.Brown/K Kindjerski			Daily Costs: \$22,057
Current Operation: -----					Previous Costs: \$472,057
					Cummulative Costs: \$494,114
Contractor:	TRIMAT Rig 8	Fluid Vol. m3	F	Oil	AFE Estimate: 31,721,500
Road/Lease:	O.K.	Total Hauled to Lease:			AFE# P0D -020
Weather:	cold - clear	Total Hauled from Lease:			KB Elev: 459.89 m
Contact Phone:	800-700-28475087	Total in Tanks:			KB. to CF: 10.35 m
Zone:	Tight Hole	Initial Well Fluid:			KB. to THF: 8.60 m
Perforations:		Total Load Fluids:			Notes:
SITP	0	KPa @ 08:00	hrs		Non-recov. Ann. Fluids:
SICP	0	KPa @ 08:00	hrs		Recovery Last 24 hrs:
Rig Hr:	12.0	Cum Rig Hrs.:	36.0		Recovery to Date:
					Load to Recover (+New)

TIME **OPERATION**

07:30 Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK Hold safety meeting w/ all onsite personnel
 Move-in and rig-up Baker: Atlas Electric wireline truck make up 6.10" (154.9mm) Gaugering Junkbasket w/ CCL
 pick up pack off lubricator pressure test 1.4 & 14mPa - O.K. Ran in but were unable to enter 7" liner @ 2909mKb
 Pulled out of the hole and made-up a 5.13" (129.5mm) gauge ring and ran in - Entered the liner OK and ran in to the top of the packer at 2949mCF pulled out of the hole - Junk basket had some of the same black tar/wax substance that was previously encountered but had no solids present
 Made up an 8.37" (212.6mm) gauge ring and ran in to the top of the liner at 2909mKb -no tight spots - pulled out of the hole w/ JB/GR - Junk basket was clean

16:00 Repair firing head connections and run in w/ 7" csg. DVRT to 2820 - tool malfunctioned and wouldn't start up
 POOH w/ tool - Cable head was not working - cut 70' of bad cable retied head and ran in the hole w/ 9 5/8" DVRT log - Logging down from surface The tools electronics quit working at 625m's and we were unable to start them up - POOH w/ tools - we found another line w/ no conductivity - cut an additional 30' of line and retie head and run in - Tool crapped out again at 2000mKb - at this point the worst the csg was , showed 17% corrupted at 1300m's - this was just below the D.V tool - prior to that point the worst was 13% we continued in to 2905mKb then pulled out - a thermometer installed in the tool showed the temperature to be 158°C

05:30 Shut in and secure well for night while waiting for parts to arrive from Grande Prairie that should be in at 1130hr's

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-11-00	
Purpose of Job: Workover Tbg. Change				Report #: 8	
Report From: R. Elliott	Report To: L.Brown/K Kindjerski			Daily Costs: \$190,203	Previous Costs: \$281,854
Current Operation: Rig in Baker Atlas to run DVRT Csg. Inspt. Logs				Cummulative Costs: \$472,057	AFE Estimate: \$1,721,500
Contractor: TRIMAT Rig 6	Fluid Vol. m3	F	Oil	AFE# POD-020	
Road/Lease: O.K.	Total Hauled to Lease:			KB Elev: 459.89 m	
Weather: cold - clear	Total Hauled from Lease:			KB. to CF: 10.35 m	
Contact Phone: 600-700-28475087	Total in Tanks:			KB. to THF: 8.60 m	
Zone: Tight Hole	Initial Well Fluid:			Notes:	
Perforations:	Total Load Fluids:				
SITP 0 KPa @ 08:00 hrs	Non-recov. Ann. Fluids:				
SICP 0 KPa @ 08:00 hrs	Recovery Last 24 hrs:				
Rig Hrs. 12.0	Cum Rig Hrs.: 36.0	Recovery to Date:			
Rig Hrs. 12.0	Cum Rig Hrs.: 36.0	Load to Recover (+New)			
TIME	OPERATION				
07:30	Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK -Hold safety meeting w/ all onsite personnel Pick up and make-up 11" 5000 # BOP on the test stump and pressure test rams to 11.4 Low & 28mPa High for 10 min's each - O.K. Nipple Down 7" 5000 # BOP stack - Remove the existing tubing hanger assembly and install a replacement ABB Vetco VG-SF 349mm x 279mm 5000# tbg head w/ 2-52.8mm 5000# SOV's Pack off and nipple up 11" 5000 # BOP stack and pressure test components 1.4 & 28mPa 10 min's each - O.K. Test primary and secondary seals in tbg hanger to 35mPa - O.K. Off load 335 Jt's of 114.3mm NSCT tubing -c/w full set of pup joints to pipe racks and load 89mm NSCT tbg and top section of the old well head to back haul to Gaurdian Inspection's Yard in Nisku for inspection and return to stock - The top section will be picked up by ABB Vetco to be inspected - repair and returned to stock Shut-in and secure well for the night				
***	Backhauled 436Jt's of 89mm NSCT tubing - 3Jt's - 73mm EUE tbg & 2Jt's of 89mm EUE tbg. To Gaurdians yard in Nisku.				

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-10-00	
Purpose of Job: Workover Tbg. Change				Report #: 7	
Report From: R. Elliott	Report To: L.Brown/K Kindjerski			Daily Costs: \$29,557	
Current Operation: 				Previous Costs: \$252,297	
Contractor: TRIMAT Rig 6				Cummulative Costs: \$281,854	
Road/Lease: O.K.	Total Hauled to Lease:			AFE Estimate: \$1,721,500	
Weather: cold - clear	Total Hauled from Lease:			AFE# P0D -020	
Contact Phone: 600-700-28475087	Total in Tanks:			KB Elev: 459.89 m	
Zone: Tight Hole	Initial Well Fluid:			KB. to CF: 10.35 m	
Perforations:	Total Load Fluids:			KB. to THF: 8.60 m	
SITP 0 KPa @ 08:00 hrs	Non-recov. Ann. Fluids:			Notes:	
SICP 0 KPa @ 08:00 hrs	Recovery Last 24 hrs.				
Rig Hr: 12.0	Cum Rig Hrs.: 36.0	Recovery to Date:			
Load to Recover (+New)					
TIME	OPERATION				
07:30	Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK Hold safety meeting w/ all on site personell Continue to pull out of the hole and lay down 88.9mm NSCT tbg string - Protectors were installed and threads doped while laying down the tbg. - all tbg was laid down - Shut-in and secure well for the nite.				

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-10-00
Purpose of Job: Workover Tbg. Change				Report #: 7
Report From: R. Elliott		Report To: L.Brown/K Kindjerski		Daily Costs:
Current Operation:				Previous Costs: \$252,287
				Cummulative Costs: \$252,297
Contractor:	Fluid Vol. m3		F	Oil
TRIMAT Rig 8	Total Hauled to Lease:			
Road/Lease:	Total Hauled from Lease:			
Weather:	Total in Tanks:			
Contact Phone:	Initial Well Fluid:			
Zone:	Total Load Fluids:			
Perforations:	Non-recov. Ann. Fluids:			
SITP 0	KPa @ 08:00	hrs	Recovery Last 24 hrs.	
SICP 0	KPa @ 08:00	hrs	Recovery to Date:	
Rig Hr:	12.0	Cum Rig Hrs.:	36.0	Load to Recover (+New)
TIME	OPERATION			
07:30	Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK Hold safety meeting w/ all on site personell Continue to pull out of the hole and lay down 88.9mm NSCT tbg string - Protectors were installed and threads doped while laying down the tbg.			

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-10-00
Purpose of Job: Workover Tbg. Change				Report #: 7
Report From: R. Elliott	Report To: L.Brown/K Kindjerski			Daily Costs: \$29,557
				Previous Costs: \$252,297
				Cummulative Costs: \$281,854
Current Operation:				AFE Estimate: \$1,721,500
Contractor: TRIMAT Rig 6	Fluid Vol. m3	F	Oil	AFE# POD -020
Road/Lease: O.K.	Total Hauled to Lease:			KB Elev: 459.89 m
Weather: cold - clear	Total Hauled from Lease:			KB. to CF: 10.35 m
Contact Phone: 600-700-28475087	Total in Tanks:			KB. to THF: 8.60 m
Zone: Tight Hole	Initial Well Fluid:			Notes:
Perforations:	Total Load Fluids:			
SITP 0	Non-recov. Ann. Fluids:			
SITCP 0	KPa @ 08:00 hrs	Recovery Last 24 hrs.		
Rig Hr. 12.0	Cum Rig Hrs.: 36.0	Recovery to Date:		
Rig Hr. 12.0	Cum Rig Hrs.: 36.0	Load to Recover (+New)		
TIME	OPERATION			
07:30	Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK. Hold safety meeting w/ all on site personell Continue to pull out of the hole and lay down 88.9mm NSCT tbg string .. Protectors were installed and threads doped while laying down the tbg.. all tbg was laid down - Shut-in and securewell for the nite.			

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb-9-00
Purpose of Job: Workover Tbg. Change				Report #: 6
Report From: R. Elliott	Report To: L.Brown/K Kindjerski			Daily Costs: \$26,057
Current Operation: POOH & lay-down 89mm NSCT tbg string				Previous Costs: \$226,240
				Cummulative Costs: \$252,297
Contractor: TRIMAT Rig 6	Fluid Vol. m3	F	Oil	AFE Estimate: \$1,721,500
Road/Lease: O.K.	Total Hauled to Lease:			AFE# POD -020
Weather: cold - clear	Total Hauled from Lease:			KB Elev: m
Contact Phone: 600-700-28475087	Total in Tanks:			KB. to CP: m
Zone: Tight Hole	Initial Well Fluid:			KB. to THF: m
Perforations:	Total Load Fluids:			Notes:
SITP 0 KPa @ 08:00 hrs	Non-recov. Ann. Fluids:			
SICP 0 KPa @ 08:00 hrs	Recovery Last 24 hrs.			
Rig Hr: 12.0	Cum Rig Hrs.: 36.0	Load to Recover (+New)		
TIME	OPERATION			
07:30	Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK Cont to run in the hole w/ 89mm tbg out of the derrick			
13:00	Move in and rig up Rig Service lay-down machine - Hold pre-job safety - procedure meeting and pull out and lay down 89mm NSCT tbg string			
19:30	Shut down and secure well for the night - 101 Jt's laid down on racks			

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A		Date: Feb- 8 -00	
Purpose of Job: Workover Tbg. Change		Report #: 5	
Report From: R. Elliott	Report To: L.Brown/K Kindjerski	Daily Costs: \$27,554	
Current Operation: RIH w/ open ended tbg.		Previous Costs: \$198,686	
		Cummulative Costs: \$226,240	
Contractor: TRIMAT Rig 6	Fluid Vol. m3	F	Oil
Road/Lease: O.K.	Total Hauled to Lease:		
Weather: snowing	Total Hauled from Lease:		
Contact Phone: 600-700-2847	Total in Tanks:		
Zone: Tight Hole	Initial Well Fluid:		
Perforations:	Total Load Fluids:		
SITP 120 KPa @ 08:00 hrs	Non-recov. Ann. Fluids:		
SICP 120 KPa @ 08:00 hrs	Recovery Last 24 hrs.		
Rig Hr: 12.0	Cum Rig Hrs.: 35.0	Recovery to Date:	
Rig Hr: 12.0	Cum Rig Hrs.: 35.0	Load to Recover (+New)	
AFE# POD -020			
KB Elev: m			
KB. to CF: m			
KB. to THF: m			
Notes:			

OPERATION

TIME	OPERATION
07:30	Start rig and equip. - walk around inspection Function emergency air kills and crown saver -OK Cont. to pull out of the hole w/ seal assy - Seals were in good condition
12:00	Pressure test annulus to 21mPa for 30min's - pressure dropped 400kpa - repressure to 21mpa pressure dropped dropped200kPa in 30 min's Pressure annulus to 28 mPa for 40 min's with no pressure drop - Solid
15:00	Bled pressure off annulus - Broke down string stabilizers for transfer back into stock w/ Haliburton
16:00	Run in with 88.9mm NSCT tbg string open ended - incomplete 67Stands In at 19.30Hr's Shut in and secure well for night

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 68 - A				Date: Feb- 7 -00
Purpose of Job: Workover Tbg. Change				Report #: 4
Report From: R. Elliott	Report To: L.Brown/K Kindjerski			Daily Costs: \$40,648
Current Operation: pulling out w/ seal assy.				Previous Costs: \$158,238
				Cumulative Costs: \$198,886
Contractor: TRIMAT Rig #6	Fluid Vol. m3	F	Oil	AFE Estimate: \$1,771,500
Road/Lease: O.K.	Total Hauled to Lease:			AFE# POD .020
Weather: 	Total Hauled from Lease:			KB Elev: m
Contact Phone: 600-700-2847	Total in Tanks:			KB. to CF: m
Zone: Tight Hole	Initial Well Fluid:			KB. to THF: m
Perforations: 	Total Load Fluids:			Notes:
SITP KPa @ 08:00 hrs	Non-recov. Ann. Fluids:			
SICP KPa @ 08:00 hrs	Recovery Last 24 hrs:			
Rig Hrs: 12.0	Recovery to Date:			
	Cum Rig Hrs.: 36.0	Load to Recover (+New)		

TIME

OPERATION

07:30 Walk around inspection - start rig and equip - Rig in Rig Services tongs and handling equipment There was 200kPa on the tbg and 300kPa on the annulus. Bleed of tbg pressure to testers to 0kPa in 1min then bleed off annulus to the rig tank - Pull and work tbg string to unlatch seal assembly from Guiberson Magnum pkr

12:30 Unlatched from packer and picked up on tbg. Annulus U-Tubed to the tbg let both sides equalize - recovered 1.5m3 to testers then tbg died - Observed tbg for 1/2 Hr - static -

15:00 Pulled up removed tbg hanger and pulled out of the hole standing tbg string in derrick - 156 Jts out of the hole at 19:30 hours

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 66 - A				Date: Feb- 6 -00
Purpose of Job: Workover Tbg. Change				Report #: 3
Report From: R. Elliott	Report To: L.Brown/K Kindjerski			Daily Costs: \$22,811
Current Operation:				Previous Costs: \$135,427
				Cumulative Costs: \$168,238
Contractor: TRIMAT Rig #6	Fluid Vol. m3	F	Oil	AFE Estimate: \$1,721,500
Road/Lease: O.K.	Total Hauled to Lease:			AFES POD -020
Weather:	Total Hauled from Lease:			KB Elev: m
Contact Phone: 800-700-2847	Total in Tanks:			KB. to CF: m
Zone: Tight Hole	Initial Well Fluid:			KB. to THF: m
Perforations:	Total Load Fluids:			Notes:
SITP KPa @ 08:00 hrs	Non-recov. Ann. Fluids:			
SICP KPa @ 08:00 hrs	Recovery Last 24 hrs:			
Rig Hr: Cum Rig Hrs.:	Recovery to Date:			
	Load to Recover (+New)			

OPERATION

TIME

07:30 Walk around inspection - OK - Start service rig & equipment -test emergency shut downs - OK
 Rig in pump lines and test lines to the ESD and pressure test all lines to 1.4mPa -low and 28mPa-Hi for 10 min ea.
 O.K. Install Vetc Lubricator an pressure test to 1.4 & 28mPa 10 min's ea. O.K. Sting into BPV and equalize
 the pressure - 3000Kpa on tbg. - Bleed to 0kpa in 1min w/ gas to testers no fluid back except for a trace of diesel
 fuel - annulus pressure was at 1900kPa and dropped to 1750 kPa while bleeding off the tubing
 Bleed annulus to 0Kpa w/ no fluid to surface. Fill the tbg w/ 0.8m3 fresh water and pressur test to 28mPa while
 monitoring annulus - pressure climbed to 110Kpa while tbg bled to 1920Kpa we repeated this test w/ the same
 results then bled the pressure off the tbg and filled the ann w/ 3m3 of fresh water and pressure tested to 14mPa
 pressure in th annulus dropped to 13250 kPa w/ the tbg pressure climbing to 200 kPa - retested again to 14mPa
 w/ ann pressure in tbg climbed to 250 kPa. - indicating a slow leak communicating on the tbg by annulus
 Bleed off wellhead pressure's and observe well for 30min's both ann and tbg remained static
 Install TWCV in hanger and nipped down wellhead and nipped up 7" 5000# Class 3 BOP spool - BOP's were
 Function and pressure tested on the stump prior nipping up - -Pressure tested BOP's on well to 1.4 -28mPa 10 min
 each - O.K. Removed TWCV and installed 89mm pup jt and safety valve

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 68 - A		Date: Feb- 5 -00
Purpose of Job: Workover Tbg. Change		Report #: 2
Report From: R. Elliott	Report To: L.Brown/K Kindjerski	Daily Costs: \$31,590
Current Operation: —		Previous Costs: \$103,837
Contractor: TRIMAT Rig #6		Cumulative Costs: \$135,427
Road/Lease: O.K.	Total Hauled to Lease: —	AFE Estimate: \$172,1500
Weather: —	Total Hauled from Lease: —	AFE# POD -020
Contact Phone: 600-700-2847	Total In Tanks: —	KB Elev: — m
Zone: Tight Hole	Initial Well Fluid: —	KB. to CF: — m
Perforations: —	Total Load Fluids: —	KB. to THF: — m
SITP KPa @ 08:00 hrs	Non-recov. Ann. Fluids: —	Notes: —
SICP KPa @ 08:00 hrs	Recovery Last 24 hrs: —	
Rig Hr. Cum Rig Hrs.: —	Recovery to Date: —	
Rig Hr. Cum Rig Hrs.: —	Load to Recover (+New): —	
TIME	OPERATION	
07:30	Cant to spot matting and equipment - Travel to other side of th river and remove derrick from carrier and move to lease - re-install derrick spot rig and stand derrick - Rig up service rig and equipment - 100% Fill rig tank and boiler - Fire boiler and heat water in rig tank - Rig up working floor and install Norward ESD on tbg wing valve	
20:00	Move in and spot 3 400Bbl tanks shut down for night	

WELL COMPLETION REPORT

Well Name: Ranger Fort Liard - P- 88 - A		Date: Feb 3/4 -01	
Purpose of Job: Workover Tbg. Change		Report #: 1	
Report From: R. Elliott	Report To: L.Brown/K Kindjerski	Daily Costs:	\$103,837
Current Operation:		Previous Costs:	
Contractor: TRIMAT Rig #8		Cumulative Costs:	\$103,837
Road/Lease: O.K.	Total Hauled to Lease:	APE Estimate:	\$1,721,900
Weather:	Total Hauled from Lease:	APEx	P00 -020
Contact Phone: 800-700-2847	Total in Tanks:	KB Elev:	m
Zone: Tight Hole	Initial Well Fluid:	KB. to CF:	m
Perforations:	Total Load Fluids:	KB. to THF:	m
SITP KPa @ 08:00 hrs	Non-recov. Ann. Fluids:	Notes:	
SICP KPa @ 08:00 hrs	Recovery Last 24 hrs:		
Rig Hrs: Cum Rig Hrs.:	Recovery to Date:		
	Load to Recover (+New)		
TIME	OPERATION		
<p>Feb. 3rd - Loaded rig on Neil Withers Truck's and traveled to Indian Cabins and shut down for the night</p> <p>Feb 4th - Moved Service rig and equipment to winter road - Hauled in and spotted mats and equipment - incomplete at dark. Safety trailer (Patch H2S) Medic North services and wellsite units all arrived at site - Norwards test equip was hauled in and spotted w/ flare stack raised and lines layed - This equipment arrived earlier and was spotted prior to rig arrival - We left the service rig on the Cdn forest site across the hi-way from our winter road so as to remove the derrick for weight restrictions on the ice bridge - We will remove the derrick in daylight in the morning</p>			