



December 5, 2000

COMPLETION PROGRAM

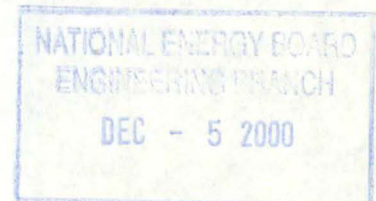
PARA et al Mount Coty I-02
NWT BLOCK - $60^{\circ} 20'$, $123^{\circ} 30'$

Prepared by: _____

Wayne Tomm,

Distribution:

Original	Well File
Christie	1 Field + 1 Office
Geology	1 w/o attachments
Partner	1





A. WELL INFORMATION SUMMARY

See attached Well Information sheets. The purpose of this program is to evaluate the Mattson formation for its hydrocarbon potential in this area.

Note: The well is to be completed with the drilling rig – Akita #51.

COMPLETION PROFILE:

- 1) Nipple down BOP's and install 179mm x 279mm tubing Spool, and pressure test seals to 21mPa.
- 2) Install 179mm x 279mm 21mPa adapter flange and reinstall BOP stack.
- 3) Pressure test casing and BOP stack and clean out to PBTD.
- 4) Perforate and flow test the Mattson Formation
- 5) Perform a frac if required and re test.
- 6) Release Drilling rig.

B. SAFETY

All operations are to be carried out in accordance with government regulations and recognized safety procedures. Operations are to be conducted in a manner that results in the greatest degree of protection possible for the public, on-site personnel and the environment.

COMPLETION PROCEDURE

- 1 After running and cementing 177.8mm Production casing, lay down all drilling equipment not needed for completing the well.
- 2 Nipple down BOP stack and install ABB VG-OF tubing head: 279mm, 21mPa x 179mm, 21mPa c/w 2 SSO and pressure test seals.
- 3 Install 179mm 21mPa x 35mPa adapter and install BOP stack. Pressure test BOP's and casing to 21mPa.
- 4 Pick up 177.8mm casing scrapper and 78mm 9.67kg/m L-80 EUE tubing and run in hole to PBTD, circulate hole clean with fresh water.
- 5 POH laying casing scrapper
- 6 Rig up electric wireline. Run CBL-VDL-GR-CCL from PBTD to surface casing and check for cement top on way in. Repeat with 7 MPa pressure pass from 1100m to 800m. Reference to CNL-DEN-GR-CAL Log dated November 26, 2000. Contact Calgary office with results prior to proceeding further. If bond is poor, remedial work may be required.
- 7 Pick up packer and perforating gun assembly, 12.7 mm ERHSC with 39 gram deep penetrating charges at 60° phasing and 18 spm. Run in and perforate the following interval..

1059m – 1067mKB

8 Pick up the following tubing assembly :

- Computalog TCP Assembly
- 1 – 73mm “R” nipple 57.17mm ID
- 1 – 3m – pup Joint 73mm, 9.6kg/m, J55, EUE
- 1 – 177.8mm Baker M Retrievable Packer 10K
- 1 – Baker L-10 On-Off Tool c/w 57.15mm “F” Profile
- 1 – Joint 73mm, 9.6kg/m, L-80, EUE x 6m pup joint
- 1 – 73mm “F” nipple
- Joint 73mm, 9.6kg/m, L-80, EUE tubing to surface

Note: Allow for a 100m water cushion inside tubing only.

- 9 Log guns on depth and set packer with 10,000 daN compression landing tubing with dognut.
- 10 Pressure test packer annulus to 14mPa.
- 11 Nipple down BOP’s and install wellhead.
- 12 Drop bar and perforate the Mattson interval
- 13 Keep well shut in and run Static Pressure Gradient survey
- 14 Open well and perform production test.

If Required:

- 15 If well will not flow, swab well and evaluate influx
- 16 Rig in wellhead isolation tool and frac equipment.

Note: Hold Pre-Frac Safety meeting and document

- 17 Perform frac as per attached frac program

Note: Do not over displace proppant and shut well in without bleeding down pressure for 24 hrs..

Record shut in pressures for 1 hr. after shut down.

- 18 After shutting down frac, rig out wellhead isolation tool and frac equipment.
- 19 After leaving well shut in 24 hrs., open well and attempt to flow well well to clean up through “P” tank and evaluate.
- 20 If well will not flow, rig in swab equipment. Swab and evaluate.

D. GENERAL INFORMATION

1. All operations must be duly and accurately recorded in the tour sheets. Tour sheets are to be checked and signed daily.
2. All required Paramount completion forms are to be completely filled out as they pertain to each operation. Field copies and unused forms are to be returned to the Calgary office at the end of each well.
3. All field tickets from contract services must be signed by Paramount's wellsite supervisor. All tickets must clearly indicate quantities of materials brought to or leaving wellsite as well as service performed. On completion of well, report movement of any surplus materials. Give detailed descriptions serial numbers and threads-on tallies for tubular. If possible, tag equipment with well name and number.
4. Service companies will be instructed to provide on (1) field copy and three (3) final copies of all service reports. Open hole loggers are to supply five (5) field prints of logs for transmittal to Calgary Office.
5. Purchase orders are not used by Paramount Resources Ltd. However, all field tickets should be encoded with the AFE Number and AFE Sub Item Number (ie.: 28805-264 for Cementing). A copy of the AFE and coding guide are included with the Field Copy of the Completion Program.

All invoices will be sent to the following address:
Paramount Resources Ltd.
4000, 350 - 7th Avenue S.W.
Calgary, Alberta T2P 3W5

6. Close communication and co-operation is to be maintained by field personnel with the PRB. All PRB regulations are to be followed at all times.
7. Only authorized personnel directly involved with completion's operations are to be allowed on the rig floor. Access to the lease is to be restricted to authorized personnel only.
8. All completion and testing information is to be treated CONFIDENTIAL at all times.
9. All crew members shall be informed of any potential dangers and informed of their duties should well control become a problem. Full safety meetings shall be held a minimum of once per week and prior to any key operations (ie: Stimulation).
10. Under no circumstances will the use or possession of alcoholic beverages or illegal drugs be permitted in the camp or wellsite area. Anyone ignoring these directions shall be dismissed immediately.
11. Wellsite representative is responsible for ensuring that all operations are being carried out safely and in accordance with all government regulations (M.E.I., O.H. & S., WCB) and recognized safety procedures.



L. PERSONNEL & EMERGENCY CONTACTS

An 0800 hour status morning report and daily cost summary will be faxed in to Paramount Resources Ltd. office at 266-6032, by the company representative

	OFFICE	CELLULAR	RESIDENCE	BUS. FAX
COMPLETION				
Wayne Tomm	290-3626	861-8473	251-0456	266-6032(office) 251-2723(home)
Phil Christie	290-3627	861-8476	290-1574	266-6032
GEOLOGIST				
Paul Price	290-3605	651-3426	547-2296	266-6032
COMPLETION SUPERVISOR		(
Bert Blakely		(780) 910-7105		1-600-700-4451
Reservoir Engineer				
Terry Stasiuk	290-3609		242-2341	266-6032
LAND OCCUPANT CROWN				

NEB	Rick Fisher	Calgary (403) 299-2798 - Residence (403) 220-0893
	Chris Knoechel	Calgary (403) 299-3866 - Residence (403) 241-0047
	Terry Baker	Calgary (403) 299-2792 - Residence (403) 239-5032
	John Korec	Calgary (403) 292-6614 - Residence (403) 275-6256
EMERGENCY PHONE NUMBERS		
RCMP:		(867) 770-4221 Ft. Liard (250) 774-2777 Ft. Nelson
HOSPITAL:		(250) 774-6916 Ft. Nelson, B.C.
AMBULANCE:		1-800-461-9911
AIR AMBULANCE:		(250) 774-2072 Ft. Nelson, B.C.

SUPPLIES AND SERVICES

SERVICE	COMPANY / CONTACT/LOCATION	PHONE
SERVICE RIG	Akita Rig #51	
CAMP	Beaver Enterprises Ltd.	(867)770-3508
SHACKS		
SATELLITE		1-600-700-4451
KILL FLUID		
PRODUCED WATER		
WELLHEAD	AJ Industries	(403)262-7800
BOND & TEMP. LOG	Computalog Ft. St. John	250-785-3601
SLICKLINE	Solid Production Services Ft. St. John	250-785-8245
STIMULATION	NowFrac Ltd. – Ft. Nelson	(250) 774-6142
	Ft. St. John	(250) 785-6985
COIL TUBING	NowFrac Ltd. – Ft. Nelson	(250) 774-6142
ABANDONMENT CMT	NowFrac Ltd. – Ft. Nelson	(250) 774-6142
TUBING	NUSCO – Pe Ben, Grande Prairie	(780) 539-3642
PACKERS, BP,	Baker Hughs, Ken Soderberg - Calgary	(403) 296 9600
SAFETY	Key Safety, Randy Cusson, Calgary	(403) 261-5075
First Aid	Key Safety, Randy Cusson, Calgary	(403) 261-5075
SNUBBING		
LINER SEAL		
TANK RENTAL		
WELL TESTING	Solid Production Services Ft. St. John	250-785-8245
	Calgary	403-237-6050
RECORDERS	Solid Production Services Ft. St. John	250-785-8245
	Calgary	403-237-6050

NOTE: Services that are "Field Bid" must have a minimum of two (2) bids and company selected shown on Daily Cost Log.

PARA ET AL MOUNT COTY I-02

(Actual as of December 04, 2000)

<u>ACTUAL TOPS</u> (confirmed log tops mKB)		<u>DEPTH</u>	<u>HOLE SIZES</u>	<u>CASING RUN</u>
			311mm	244.5 mm, 53.6 kg/m J-55 LT&C - cemented to surface O:1:O "G" plus additives
		514m	222mm	
SCATTER	879			
GARBUTT	1062			
CHINKEH SAND *	708			177.8 mm, 38.6 kg/m J-55 LT&C - cemented to surface 34 tonnes 0:1:0 "G"+.80% NFL-2
TRIASSIC	719			
BELLOY	791			
FANTASQUE **	939			
MATTSON **	962			
GOLATA	1647			
FLETT	1709			
TOTAL DEPTH	1744	1744		

PROPOSED WELL COMPLETION

CUSTOMER: PARAMOUNT

PROVINCE: B.C.
 FIELD: PARAMOUNT COTY
 WELL NO. 1
 QUOTATION NO. C99-12-

DRAWING NO. 102PERF
 APPROVED BY: WAYNE TOMM
 DRAWN BY: SODERBERG
 DATE: DECEMBER 5, 2000



Baker Oil Tools

MAX. O.D.	MIN. I.D.	WELL SCHEMATIC	DESCRIPTION	MATERIAL	PRODUCT NUMBER
			CASING: 177.8 mm, 38.69 kg/m J-55		
73mm	62		TUBING SIZE: 73mm, 9.67kg/m THREADS: 73mm EUE	L-80	
93mm	58.72mm		① BAKER MODEL 'F' SEATING NIPPLE SIZE: 73mm X 58.72mm THREADS: 73mm EUE	4140-18-22RC	801-50
73mm	62		TUBING JOINT SIZE: 73mm, 9.67kg/m THREADS: 73mm EUE	L-80	
114.3mm	57.15mm		② BAKER MODEL "L-10" ON-OFF SEALING CONNECTOR SIZE: 114.3mm X 73mm X 57.15mm BAKER 'F' PROFILE THREADS: 73mm EUE	4140-18-22RC	684-20
118.26mm	60.33mm		③ BAKER MODEL "M" 10K RETRIEVABLE PACKER SIZE: 600-237 THREADS: 73mm EUE	4140 18-22 Rc	646-28
73mm	62		PUP JOINT SIZE: 73mm, 9.67kg/m X 3.0m LONG THREADS: 73mm EUE	L-80	
93mm	55.8mm		④ BAKER MODEL "R" BOTTOM NO-GO SEATING NIPPLE SIZE: 73mm X 57.15mm X 55.8mm THREADS: 73mm EUE	4140-18-22RC	801-55
73mm	62		PUP JOINT SIZE: 73mm, 9.67kg/m X 3.0m LONG THREADS: 73mm EUE	J-55	
			NOTE: ITEMS 5 THU 7 SUPPLIED BY COMPUTALOG		
93mm	58.75mm		⑤ GUN RELEASE SUB (SHIFT DOWN TYPE) SIZE: 73mm X 58.75mm THREADS: 73mm EUE SHIFT W/ OTIS 'B' SHIFTING TOOL TO RELEASE	4140-18-22RC	
93mm	62mm		⑥ DEBRIS / FILL/ FLOW SUB SIZE: 73mm THREADS: 73mm EUE	4140 18-22 Rc	
73mm	62		PUP JOINT SIZE: 73mm, 9.67kg/m X 3.0m LONG THREADS: 73mm EUE	J-55	
101.6mm	N/A		⑦ MECHANICAL FIRING HEAD SIZE: 73mm X 101.6mm THREADS: 73mm EUE	4140 18-22 Rc	
		TUBING CONVEYED PERFORATING GUNS GUN O.D.: 101.6mm O.D. SPM: 17 PHASING: 60 CHARGES: N/A INTERVAL: 1059 -1067 M			