

Final Operational/Workover Report
Well Workover
Para et al Cameron 2F-73
Well ID # 2025
UWI: 302F736010117152

On January 31, 2007 Paramount Resources Ltd. moved Concord Well Servicing rig # 19 onto Para et al Cameron 2F-73 to perform a workover operation to stimulate the well with a sand fracture treatment. Service rig operations were completed on February 8, 2007. A chronological summary of the operations follows.

31/1/2007: Moved service rig onto location and rigged up service rig and ancillary equipment. Removed the horses head. Unseated the bottom hole pump. Pulled out of the hole with the sucker rods and recovered the BHP.

1/2/2007: Reverse circulated to kill the well. Pumped 14 m³ KCl water down the casing with no returns. Casing on vacuum. Pumped 3 m³ KCl water down the tubing. Removed the pumping wellhead and installed the BOP's. Unset the tubing hanger and tubing anchor and pulled out of the hole with the production tubing. Re-ran the production tubing with a retrievable packer on bottom. Set packer at 1518 mKB. Pressure tested the packer to 10 MPa.

2/2/2007: Installed a tree saver on top of the BOP's. Rigged in fracturing equipment. Started pumping pad. Formation broke at 38.3 MPa. Started sand increasing concentration in 100 kg/m³ increments. Stopped increasing concentration at 600 kg/m³. Pressure reached 55 MPa with 4.7 tonnes sand in formation. Stopped pumps. Calculated sand top at 1522 meters. Rigged out fracturing equipment. Opened well to test vessel. Pressure bled to zero kPa in one minute. Removed the tree saver. Monitored pressures overnight.

3/2/2007: Shut in tubing pressure was zero. Shut in casing pressure was 4200 kPa. Rigged in slickline unit. Ran in and tagged sand level at 1146 meters.

4/2/2007: Tubing and casing pressures both zero. Waited on coiled tubing unit. Unit arrived late in day so coiled tubing unit spotted on location.

5/2/2007: Rigged in coiled tubing unit. Ran in with coiled tubing and cleaned wellbore out to PBTD at 1538 mKB by circulating with water. Pulled out of the hole with the coiled tubing.

6/2/2007: Rigged to swab and pulled eight swabs. Recovered 8.26 m³ water during swabbing. The well started to flow. Testers flowed well overnight.

7/2/2007: Shut well in at 8:00 AM. Final flowing rate approximately 1.2 m³/hour at 48 kPa with a 75% water cut. Pumped 4.5 m³ water down tubing. Unset the packer and pulled the tubing out of the hole recovering the packer. Re-ran the tubing with a PSN and tubing anchor on bottom. Tagged sand at 1531 mKB.

8/2/2007: Reverse circulated with 33 m³ water to clean out sand. Set the tubing anchor with tubing bottom at 1534 mKB. Re-ran the rod string with a new bottom hole pump on bottom. Filled tubing with water and stroke tested the pump with the service rig to 5 MPa. Installed the horses head and hung the rod string in the bridle. Rigged out the service rig and ancillary equipment.

Treatment Summary

General Info							CalFrac Rep:	Derek Pearson		281
LSD: 2F-073							Calfrac Service Line:	FRAC		
Customer: Paramount Resources Ltd. 9 4700, 888 - 3rd Street SW Calgary, AB T2P 5C5							Job Date:	February 2, 2007		
							Job Type:	DynAqua-1		
							Program Number:	FCWK0285MB		
							Service Order #:	54616		

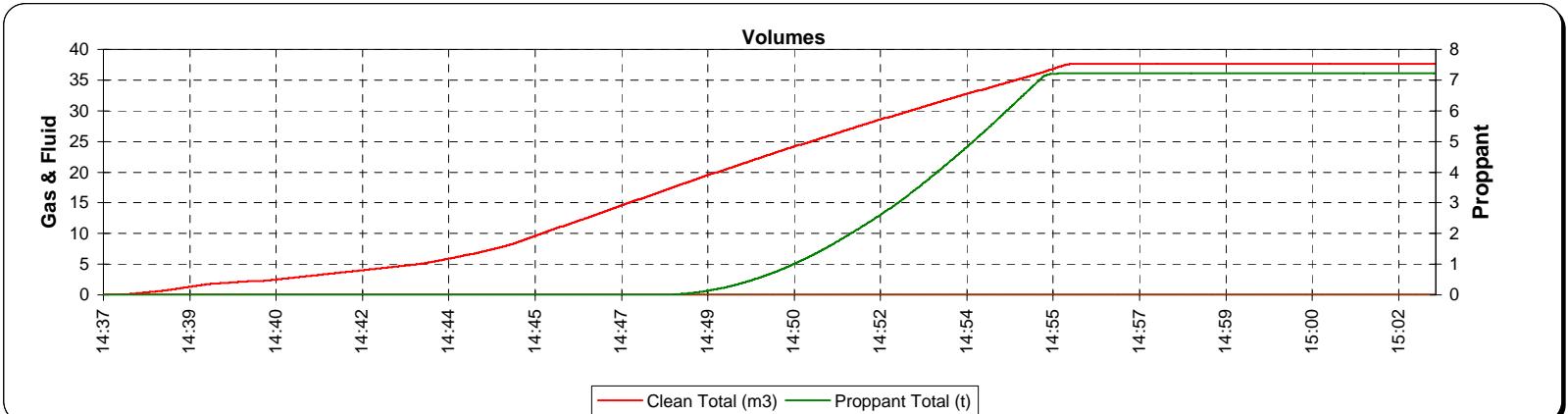
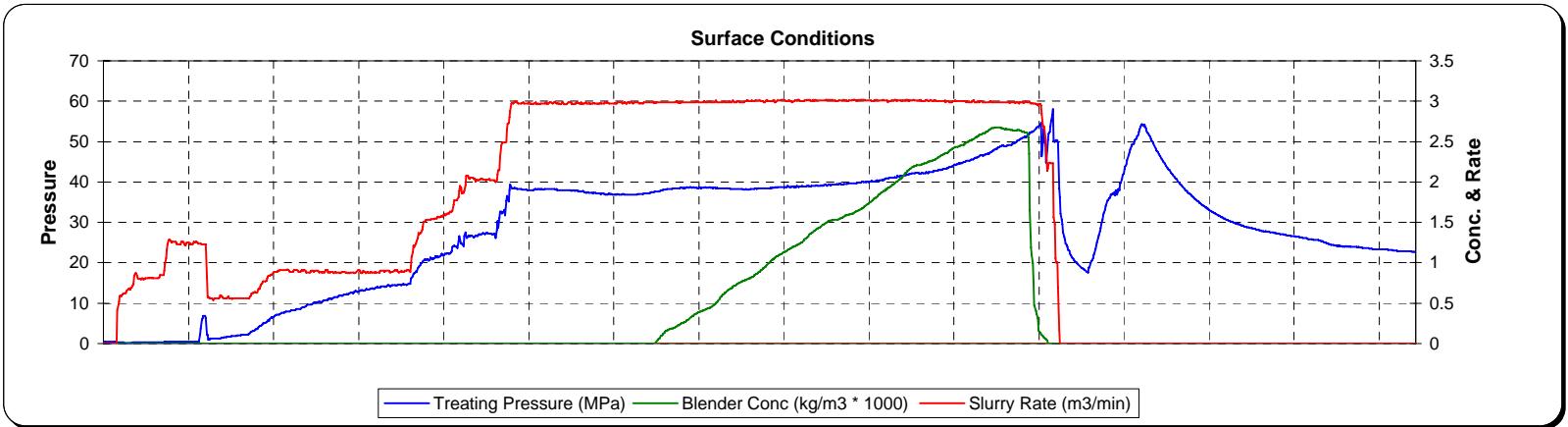
Wellbore Data								Perforations		
Type	Wellbore Configuration			Capacity	Max Pres	Depth	Volume (m³)	Top (m)	Bottom (m)	SPM
Tubing:	Size	Weight	Grade	(m³/m)	(MPa)	(m)	(m³)	Hole Fill		
	73.0	9.67	J-55	0.003021	50.1	1520.0	4.59	4.66	1525.5	1531.0
Casing:	139.7	20.83	J-55	0.012730	29.4	1525.5	0.07	TreatmtVol		
								4.66		

Packer (m)	1508.0	PBTD (m)	1547.0	Treating Mode	Down Tubing	Formation Treated	Sulphur Point Gas
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Proppant Data				1	2	3	Acid Spearhead	Ball Sealers		
Proppant Type				Sand						
Mesh Size				20/40						
Pumped	9.0			tonnes			Type	Size	No.of Balls	Weight
In Formation	4.7			tonnes			Volume	m³		
Final Conc @ Perfs	600			kg/m³			Pump Power	Fluid in Tanks		
Estimated Sand Top	1522.5			m			Available	3000	kW	Pre-Job
							Fluid	2000	kW	Post-Job
							CO2		kW	Total Used
										2000
										kW

Treatment Data						
Max Treating Pressure	55.0	MPa	Initial Well Press	0.4	MPa	ISIP Press
Max Allowable Press	55.0	MPa	Breakdown Press	14.9	MPa	1 Minute Shut In Press
Annular Relief Set	18.0	MPa	Average Pressure	40.0	MPa	5 Minute SIP
Annulus Pressure	21.0	MPa	Maximum Fluid Rate	3.0	m³/min	Frac Gradient:
			Maximum CO2 Rate		m³/min	Flush Fluid Density

Fluid Summary				Total Fluid Pumped	37.3	m³
Fluid Pre-frac Ball Off		m³	Hole Fill Fluid Volume	3.4	m³	Proppant Fluid Volume
Pre-Pad Fluid Volume		m³	Pad Fluid Volume	13.3	m³	Flush Fluid Volume

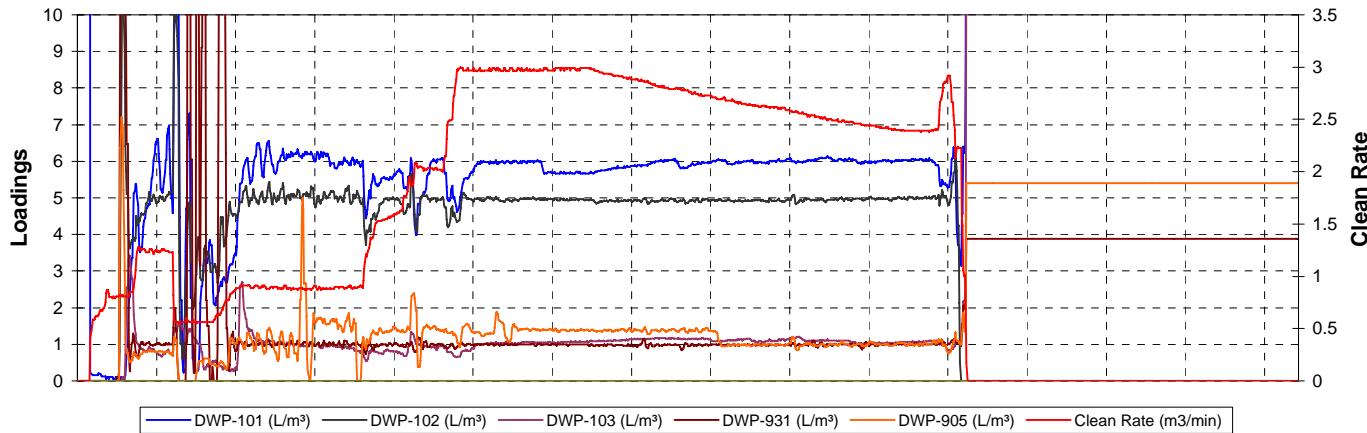


General Info

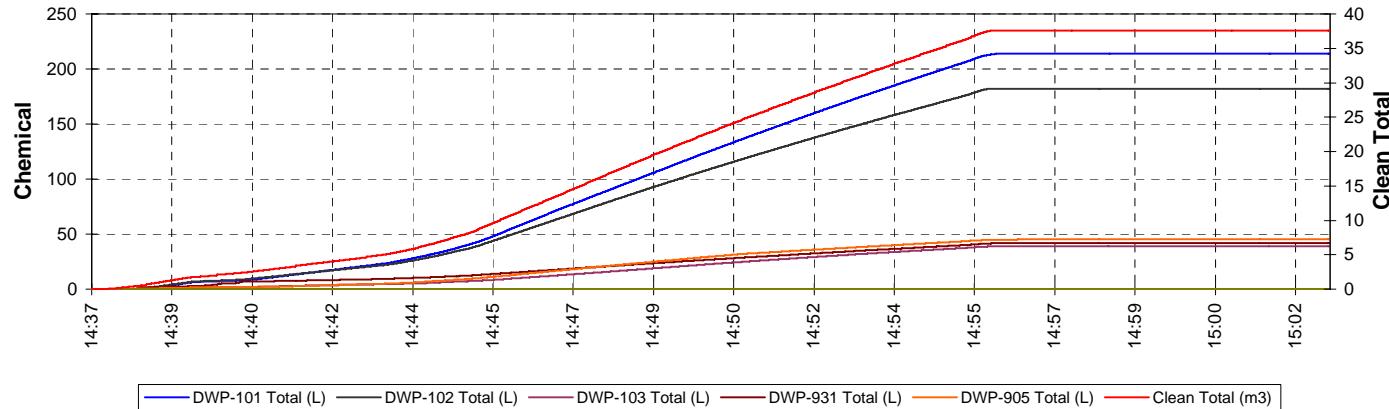
LSD: 2F-073
 Customer: Paramount Resources Ltd. 9
 4700, 888 - 3rd Street SW
 Calgary, AB
 T2P 5C5

Calfrac Service Line: FRAC
 Job Date: February 2, 2007
 Job Type: DynAqua-1
 Program Number: FCWK0285MB
 Service Order #: 54616

Chemical Loadings



Chemical Total



Nitrogen Data

N2 Rate	scm/min
N2 Space Factor For Job	m³/m³
N2 Space Factor For Flush	m³/m³
N2 Pumped	scm
N2 Losses	scm
Total N2	scm

CO2 Data

CO2 Rate	m³/min
Average CO2	%
CO2 Pumped	m³
CO2 Losses	m³
Total CO2	m³
Total CO2 Gas	scm

Acid Spearhead Data

Type	Volume	m³
Chemical Name	Conc.	Loading
		L/m³
		L
		L/m³
		L
		L/m³
		L
		L/m³
		L

Chemical Data

Chemical Name	Pumped	Losses	Total	Units
DWP-101	213.8	36.2	250.0	L
DWP-102	181.7	33.3	215.0	L
DWP-103	39.0	31.0	70.0	L
DWP-931	41.6	33.4	75.0	L
DWP-905	45.3	29.7	75.0	L
				L
				L
				L
				L
				L

Remarks:

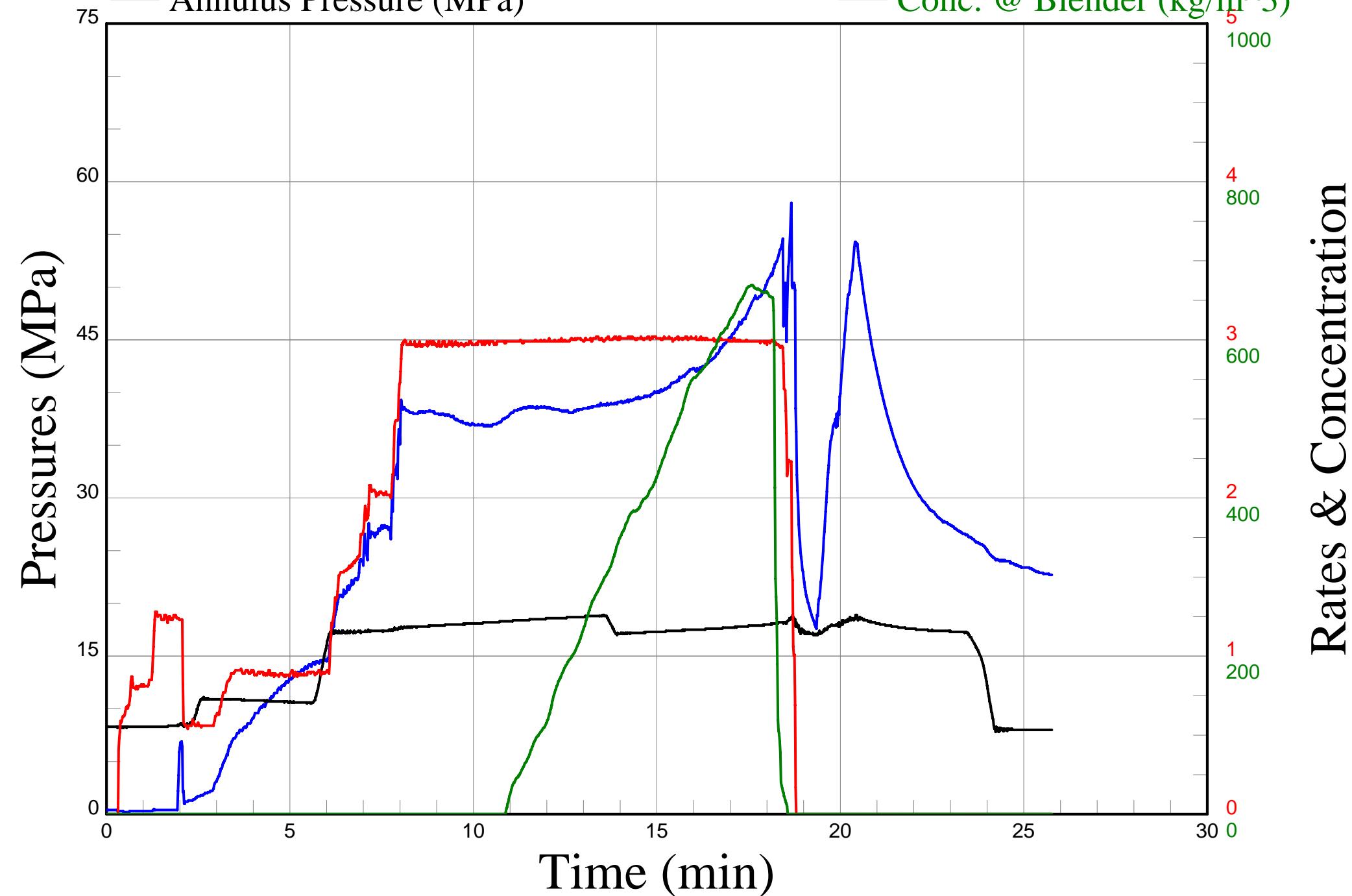
Customer Representative: Kim Macleod

Calfrac Supervisor: Derek Pearson

Paramount 2F-073 Surface

— Treating Pressure (MPa)
— Annulus Pressure (MPa)

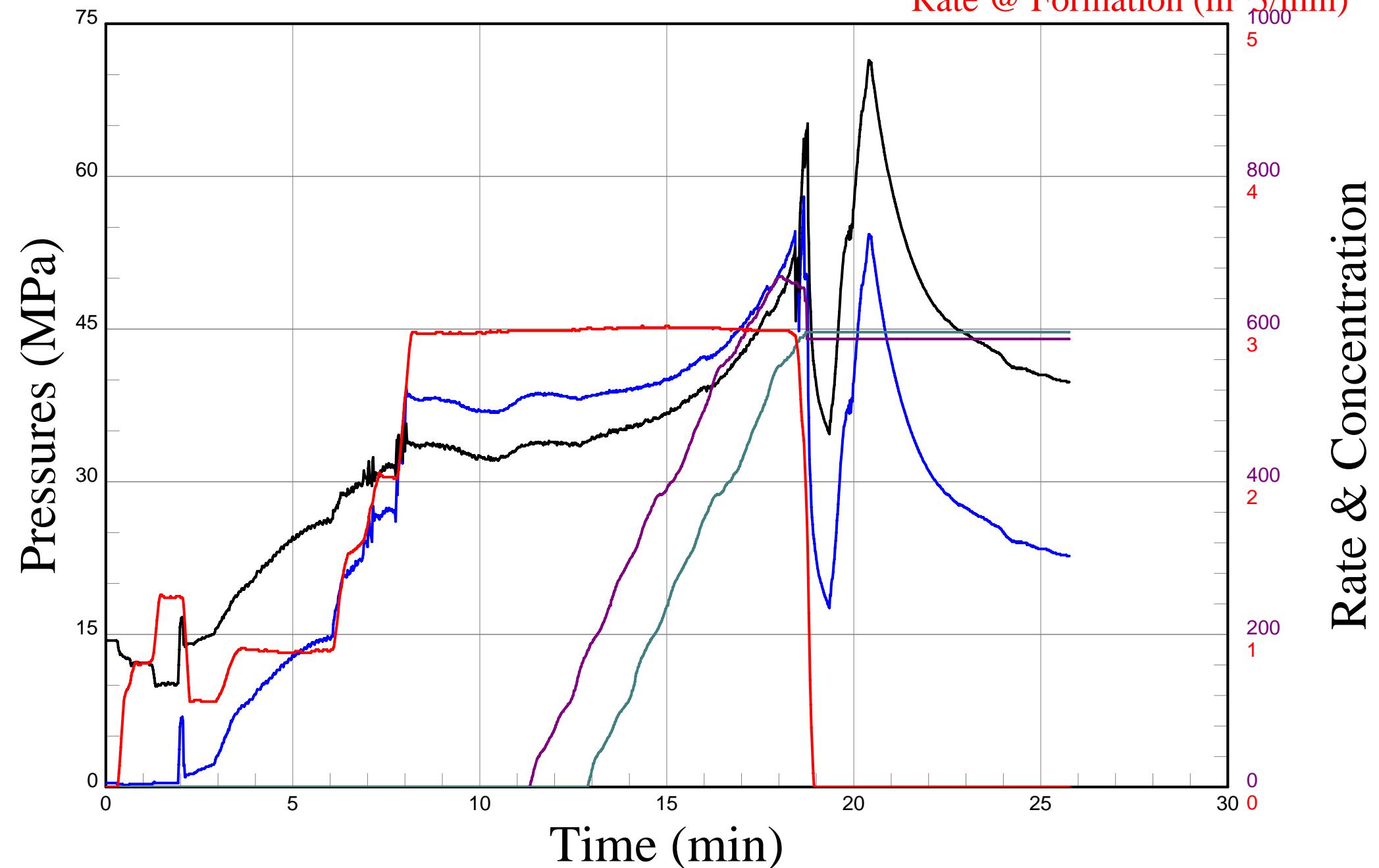
— Slurry Rate (m^3/min)
— Conc. @ Blender (kg/m^3)



Paramount 2F-073 Bottom Hole

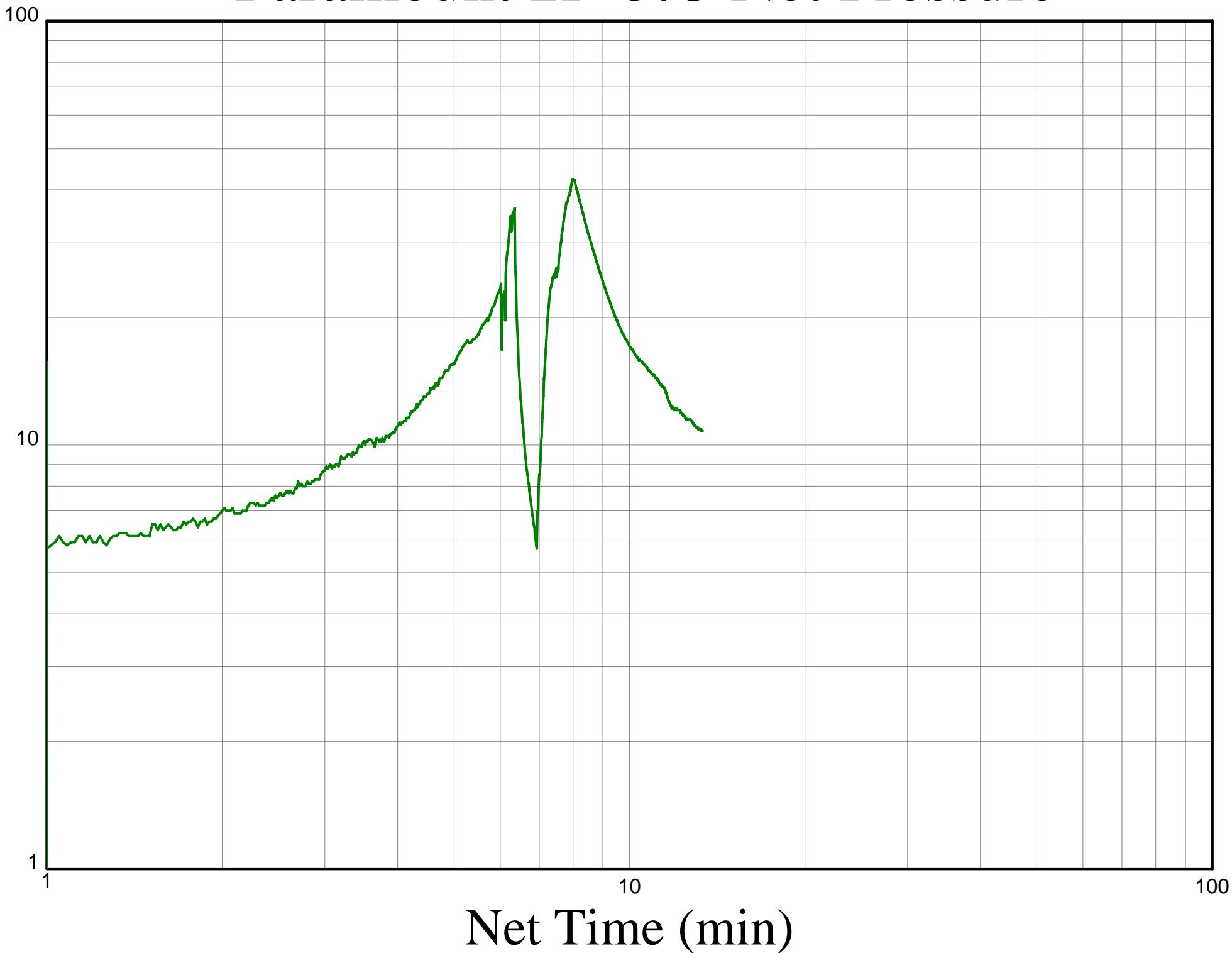
— Treating Pressure (MPa)
— Bottom Hole Pressure (MPa)

— Conc. @ Well Head (kg/m³)
— Conc. @ Formation (kg/m³)
— Rate @ Formation (m³/min)

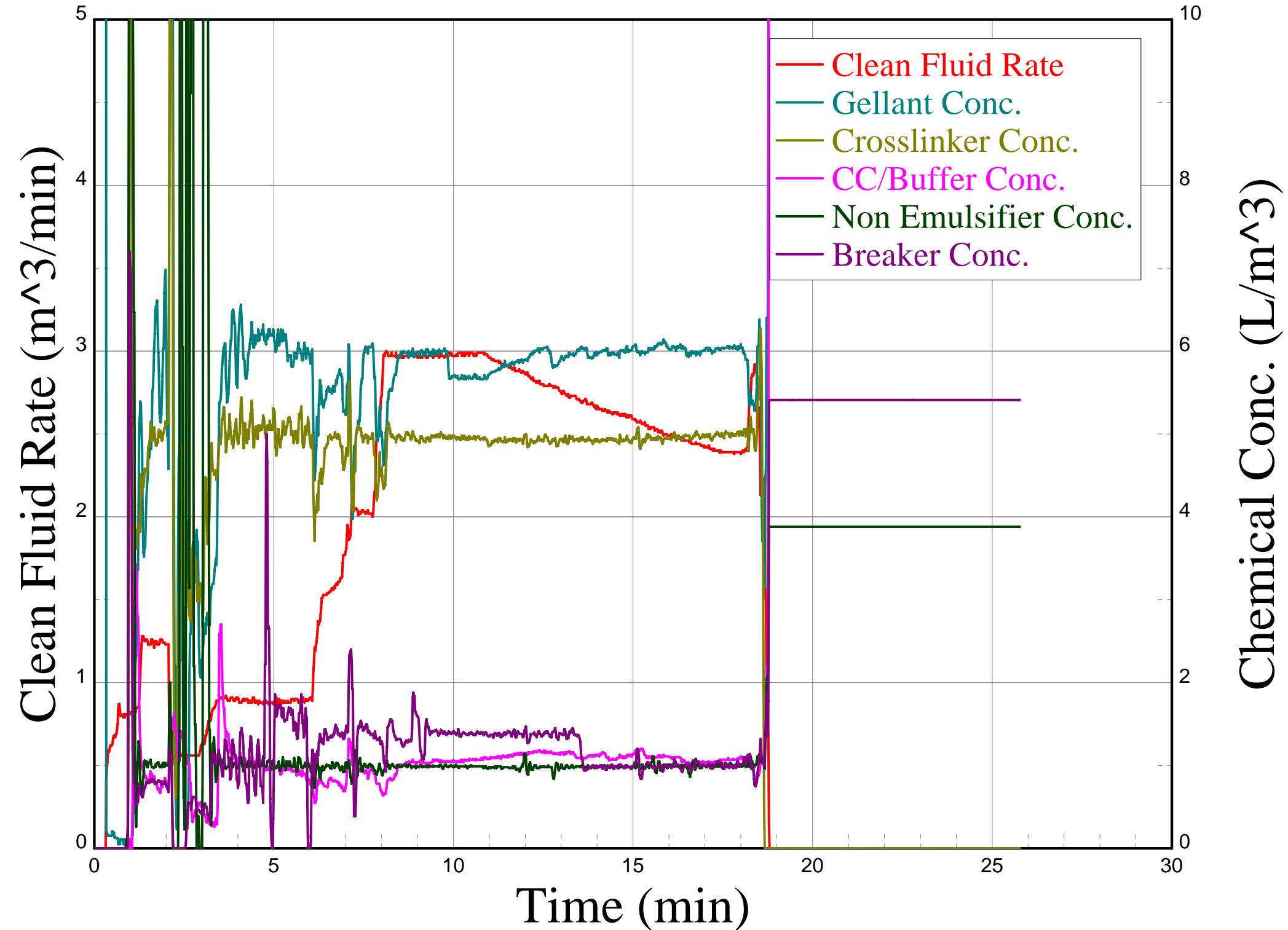


Paramount 2F-073 Net Pressure

Net Bottom Hole Pressure (MPa)



Paramount 2F-073 Chem Adds





Paramount
resources ltd.

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tel 403 290 3600 fax 403 262 7994

August 31, 2009

National Energy Board
5th Floor, 444 – 7 Avenue SW
Calgary, Alberta
T2P 0X8

Attention: Mr. Bharat Dixit, Chief Conservation Officer

Dear Sir,

Re: Request for Outstanding Reports for Paramount Wells

In response to your Request for Outstanding Reports for Paramount Wells to myself on March 9, 2009 and to Lloyd Doyle on June 9, 2009 Paramount offers the following. Please find enclosed the requested information for the remainder of the wells that were requested. Final Operational Reports are included for Cameron A-05, Bovie C-76A, Liard M-25, Fort Liard O-35 (two separate reports), Southeast Fort Liard N-01, Bovie F-66, Cameron C-74, Cameron H-03 (two separate reports), Cameron K-74, Liard 2M-25, Cameron 2F-73, Cameron L-73, Cameron J-04 (two separate reports), Cameron L-29, Cameron E-07, Cameron L-40, Cameron A-03, and Cameron E-72.

Should you require additional information on this application, please contact Dave Block at 206-3834 or fax 266-6032.

Yours truly,

Dave Block, P. Eng.
Engineering Consultant

2009 AUG 31 P 2:10
SALLE DE COURRIER
NÉB/ONE