



Container Identification PB#3		Laboratory Number CG63754C	
Operator Name PARAMOUNT RESOURCES LTD.			
Unique Well Identifier Not Available	Well Name PARA et al LIARD N-01		Elevation KB m 492.10 GRD m 487.00
Field or Area FORT LIARD	Pool or Zone MATTSON	Sampler's Company ALPINE	
Test Type DST	Test No. #1	Test Recovery LATITUDE 60 deg 10' LONGITUDE 123 deg 15'	Name of Sampler
Test Interval or Perfs 1682.00-1691.00 mKB	Sampling Point 3	Pressure (kPa)	Temperature (°C)
		Separator	Reservoir
		Source	Sampled
		Received	
Date Sampled Jan 07, 2001	Date Received Jan 12, 2001	Date Reported Jan 15, 2001	Analyst KK
Other Information			

COMP.	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2	0.0000	0.0000	0.0000
CO2	0.0000	0.0000	0.0000
H2S	0.0000	0.0000	0.0000
C1	0.0006	0.0001	0.0002
C2	0.0012	0.0003	0.0006
C3	0.0016	0.0005	0.0008
IC4	0.0008	0.0003	0.0005
NC4	0.0019	0.0008	0.0011
IC5	0.0024	0.0013	0.0016
NC5	0.0033	0.0018	0.0022
C6	0.0240	0.0150	0.0177
C7+	0.9642	0.9799	0.9753
TOTAL	1.0000	1.0000	1.0000

Observed Properties of C7+ Residue (15/15° C)

Density	Relative Density	API @ 15°
787.4 kg/m ³	0.7881	48.0

Relative Molecular Mass

139.3

Calculated Properties of Total Sample (15/15° C)

Density	Relative Density	API @ 15°
783.8 kg/m ³	0.7845	48.9

Relative Molecular Mass

137.1

Calculations for C6 and C7 are based on Boiling Point Grouping. If Carbon Number Grouping had been done, the mole fractions would be (C6: 0.0642) (C7+: 0.9240)





File No.	Company	Well No.
CG63754C	PARAMOUNT RESOURCES LTD.	Not Available

BOILING POINT RANGE (C)	COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
36.1 - 68.9	HEXANES..... C6	0.0234	0.0147	0.0174
68.9 - 98.3	HEPTANES..... C7	0.0566	0.0434	0.0475
98.3 - 125.6	OCTANES..... C8	0.0948	0.0828	0.0883
125.6 - 150.6	NONANES..... C9	0.1088	0.1067	0.1114
150.6 - 173.9	DECANES..... C10	0.1239	0.1348	0.1384
173.9 - 196.1	UNDECANES..... C11	0.1003	0.1199	0.1218
196.1 - 215.0	DODECANES..... C12	0.0686	0.0893	0.0896
215.0 - 235.0	TRIDECANES..... C13	0.0538	0.0758	0.0754
235.0 - 252.2	TETRADECANES..... C14	0.0324	0.0492	0.0485
252.2 - 270.6	PENTADECANES..... C15	0.0192	0.0313	0.0306
270.6 - 287.8	HEXADECANES..... C16	0.0092	0.0159	0.0154
287.8 - 302.8	HEPTADECANES..... C17	0.0047	0.0086	0.0083
302.8 - 317.2	OCTADECANES..... C18	0.0011	0.0021	0.0020
317.2 - 330.0	NONADECANES..... C19	0.0003	0.0006	0.0006
330.0 - 344.4	EICOSANES..... C20	0.0001	0.0002	0.0002
344.4 - 357.2	HENEICOSANES..... C21	0.0000	0.0001	0.0001
357.2 - 369.4	DOCOSANES..... C22	0.0000	0.0000	0.0000
369.4 - 380.0	TRICOSANES..... C23	0.0000	0.0000	0.0000
380.0 - 391.1	TETRACOSANES..... C24	0.0000	0.0000	0.0000
391.1 - 401.7	PENTACOSANES..... C25	0.0000	0.0000	0.0000
401.7 - 412.2	HEXACOSANES..... C26	0.0000	0.0000	0.0000
412.2 - 422.2	HEPTACOSANES..... C27	0.0000	0.0000	0.0000
422.2 - 431.7	OCTACOSANES..... C28	0.0000	0.0000	0.0000
431.7 - 441.1	NONACOSANES..... C29	0.0000	0.0000	0.0000
441.1 - PLUS	TRIACONTANES PLUS..... C30+	0.0000	0.0000	0.0000

BOILING POINT RANGE (C)	AROMATICS	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
80.0	BENZENE..... C6	0.0085	0.0051	0.0043
110.6	TOLUENE..... C7	0.0725	0.0511	0.0444
136.2	ETHYLBENZENE..... C8	0.0100	0.0081	0.0071
138.4 - 144.4	XYLENES..... C8	0.0822	0.0667	0.0576
168.9	1.2.4 TRIMETHYLBENZENE..... C9	0.0205	0.0189	0.0163

BOILING POINT RANGE (C)	NAPHTHENES	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
48.9	CYCLOPENTANE..... CC5	0.0006	0.0003	0.0003
72.2	METHYLCYCLOPENTANE..... MCC5	0.0073	0.0047	0.0046
81.1	CYCLOHEXANE..... CC6	0.0244	0.0157	0.0152
101.1	METHYLCYCLOHEXANE..... MCC6	0.0650	0.0488	0.0478





File No.	Company	Well No.
C69078A	PARAMOUNT RESOURCES LTD.	N-01

BOILING POINT RANGE (C)	COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
36.1 - 68.9	HEXANES..... C6	0.0884	0.0672	0.0756
68.9 - 98.3	HEPTANES..... C7	0.1056	0.1045	0.1128
98.3 - 125.6	OCTANES..... C8	0.0976	0.1102	0.1157
125.6 - 150.6	NONANES..... C9	0.0513	0.0650	0.0669
150.6 - 173.9	DECANES..... C10	0.0479	0.0674	0.0682
173.9 - 196.1	UNDECANES..... C11	0.0290	0.0448	0.0448
196.1 - 215.0	DODECANES..... C12	0.0163	0.0274	0.0270
215.0 - 235.0	TRIDECANES..... C13	0.0129	0.0235	0.0230
235.0 - 252.2	TETRADECANES..... C14	0.0081	0.0158	0.0153
252.2 - 270.6	PENTADECANES..... C15	0.0055	0.0115	0.0110
270.6 - 287.8	HEXADECANES..... C16	0.0016	0.0037	0.0035
287.8 - 302.8	HEPTADECANES..... C17	0.0010	0.0024	0.0023
302.8 - 317.2	OCTADECANES..... C18	0.0003	0.0009	0.0008
317.2 - 330.0	NONADECANES..... C19	0.0002	0.0004	0.0004
330.0 - 344.4	EICOSANES..... C20	0.0000	0.0001	0.0001
344.4 - 357.2	HENEICOSANES..... C21	0.0000	0.0001	0.0001
357.2 - 369.4	DOCOSANES..... C22	0.0000	0.0000	0.0000
369.4 - 380.0	TRICOSANES..... C23	0.0000	0.0000	0.0000
380.0 - 391.1	TETRACOSANES..... C24	0.0000	0.0000	0.0000
391.1 - 401.7	PENTACOSANES..... C25	0.0000	0.0000	0.0000
401.7 - 412.2	HEXACOSANES..... C26	0.0000	0.0000	0.0000
412.2 - 422.2	HEPTACOSANES..... C27	0.0000	0.0000	0.0000
422.2 - 431.7	OCTACOSANES..... C28	0.0000	0.0000	0.0000
431.7 - 441.1	NONACOSANES..... C29	0.0000	0.0000	0.0000
441.1 - PLUS	TRIACONTANES PLUS..... C30+	0.0000	0.0000	0.0000

BOILING POINT RANGE (C)	AROMATICS	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
80.0	BENZENE..... C6	0.0370	0.0286	0.0241
110.6	TOLUENE..... C7	0.0940	0.0856	0.0733
136.2	ETHYLBENZENE..... C8	0.0072	0.0076	0.0065
138.4 - 144.4	XYLENES..... C8	0.0653	0.0685	0.0583
168.9	1,2,4 TRIMETHYLBENZENE..... C9	0.0072	0.0085	0.0073

BOILING POINT RANGE (C)	NAPHTHENES	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
48.9	CYCLOPENTANE..... CC5	0.0017	0.0010	0.0010
72.2	METHYLCYCLOPENTANE..... MCC5	0.0359	0.0299	0.0291
81.1	CYCLOHEXANE..... CC6	0.0826	0.0687	0.0654
101.1	METHYLCYCLOHEXANE..... MCC6	0.0986	0.0957	0.0922

