

LAMPIRAN

LAMPIRAN A
DATA PBU DAN DATA PENUNJANG

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DATA PBU & DATA PENUNJANG

1. Data Penampang Sumur

Tabel A-1. berikut menunjukkan data penampang Sumur “IFN”

Tabel A-1.
Data Penampang Sumur “IFN” Lapangan SPEARHEADS

Sumur	“IFN”	-
Formasi	<i>Upper Red Bed</i>	-
Perforasi	897-908 ft	ft

2. Data Produksi

Tabel A-2. berikut menunjukkan data produksi dari Sumur “IFN” Lapangan “SPEARHEADS”

Tabel A-2.
Data Produksi Sumur “IFN” Lapangan SPEARHEADS

Interval Test (feet)	Well Head Pressure		Bottom Hole Pressure		Qo (STBD)	tp (Jam)
	Psia	°F	Psia	°F		
897 – 908 ft	230	93	676,30	190	78	4

3. Data Reservoir dan PVT pada Sumur “IFN”

Tabel A-3. berikut menunjukkan data reservoir dan PVT pada Sumur “IFN”.

Tabel A-3.
Data Reservoir dan PVT pada Sumur “IFN”

Porositas (ϕ)	0.13	Fraksi
Kompresibilitas Batuan (Ct)	$9,85 \times 10^{-6}$	1/Psi
Radius sumur (rw)	0,3	Ft
Tekanan Bubble Point (Pb)	400	Psia

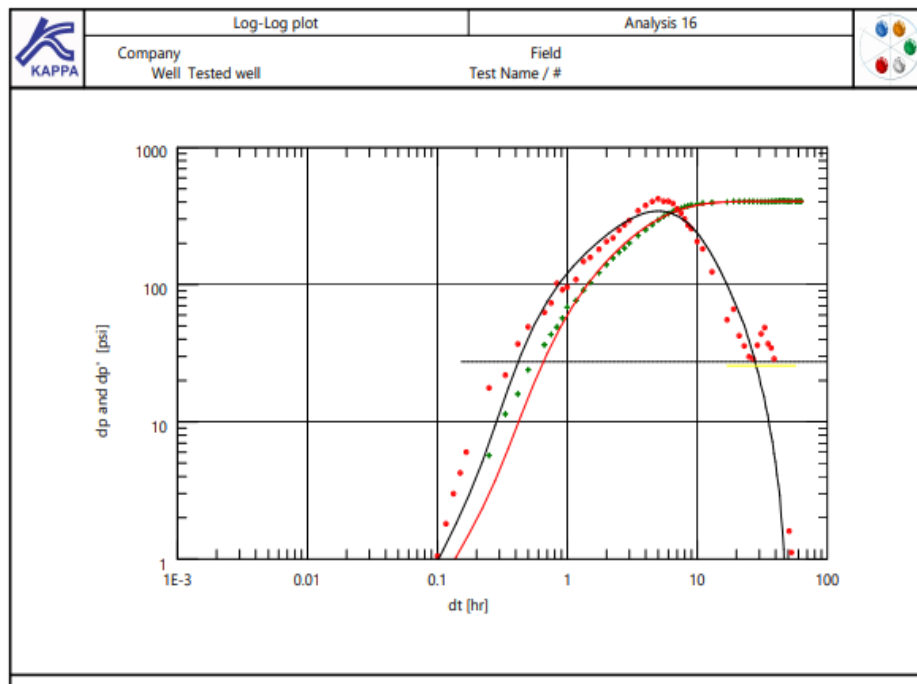
Tabel A-4.
Data PBU Sumur”IFN”

Deflect (in)	Press (psig)	Δt (hour)	Press (psia)	ΔP (hour)
0,5860	662,030	0	676,730	0,000
0,5860	662,030	0,016667	676,730	0,000
0,5860	662,03	0,033333	676,730	0,000
0,5850	660,900	0,05	675,600	-1,130
0,5852	661,120	0,066667	675,820	-0,910
0,5855	661,520	0,083333	676,220	-0,510
0,5855	661,520	0,1	676,220	-0,510
0,5858	661,810	0,116667	676,510	-0,220
0,5860	662,030	0,133333	676,730	0,000
0,5865	662,500	0,15	677,200	0,470
0,5868	662,940	0,166667	677,640	0,910
0,5910	667,720	0,25	682,420	5,690
0,5960	673,410	0,333333	688,110	11,380
0,6000	677,960	0,416667	692,660	15,930
0,6070	685,920	0,5	700,620	23,890
0,6130	672,740	0,583333	687,440	10,710
0,6180	698,430	0,666667	713,130	36,400
0,6240	705,230	0,75	719,930	43,200
0,6290	710,940	0,833333	725,640	48,910
0,6360	718,900	0,916667	733,600	56,870
0,4600	730,270	1	744,970	68,240
0,6532	738,46	1,166667	753,160	76,430
0,666	753,02	1,333333	767,720	90,990
0,677	765,53	1,5	780,230	103,500
0,693	783,73	1,75	798,430	121,700
0,709	801,93	2	816,630	139,900
0,723	817,85	2,25	832,550	155,820
0,737	833,77	2,5	848,470	171,740
0,748	846,28	2,75	860,980	184,250
0,7625	862,77	3	877,470	200,740
0,786	889,5	3,5	904,200	227,470
0,807	913,39	4	928,090	251,360
0,727	936	4,5	950,700	273,970



0,845	956,6	5	971,300	294,570
0,861	974,8	5,5	989,500	312,770
0,875	990,7	6	1005,400	328,670
0,8865	1003,46	6,5	1018,160	341,430
0,896	1014,61	7	1029,310	352,580
0,902	1021,43	7,5	1036,130	359,400
0,91	1030,53	8	1045,230	368,500
0,915	1036,22	8,5	1050,920	374,190
0,92	1041,9	9	1056,600	379,870
0,926	1048,73	10	1063,430	386,700
0,93	1053,28	11	1067,980	391,250
0,934	1057,83	13	1072,530	395,800
0,938	1062,38	17	1077,080	400,350
0,9395	1064,08	19	1078,780	402,050
0,94	1064,65	21	1079,350	402,620
0,9405	1065,22	23	1079,920	403,190
0,9405	1065,22	25	1079,920	403,190
0,94	1064,65	27	1079,350	402,620
0,939	1063,51	29	1078,210	401,480
0,9385	1062,95	31	1077,650	400,920
0,9385	1062,95	33	1077,650	400,920
0,939	1063,51	35	1078,210	401,480
0,9395	1064,08	37	1078,780	402,050
0,94	1064,65	39	1079,350	402,620
0,942	1066,23	41	1080,930	404,200
0,943	1068,66	43	1083,360	406,630
0,943	1068,66	45	1083,360	406,630
0,943	1068,66	47	1083,360	406,630
0,942	1066,23	49	1080,930	404,200
0,941	1065,79	51	1080,490	403,760
0,941	1065,79	53	1080,490	403,760
0,9405	1065,22	55	1079,920	403,190
0,941	1065,79	57	1080,490	403,760
0,941	1065,79	59	1080,490	403,760
0,941	1065,79	61	1080,490	403,760
0,941	1065,79	63	1080,490	403,760
0,943	1068,66	65,53333	1083,360	406,630

LAMPIRAN B
OUTPUT ECRIN V4.02

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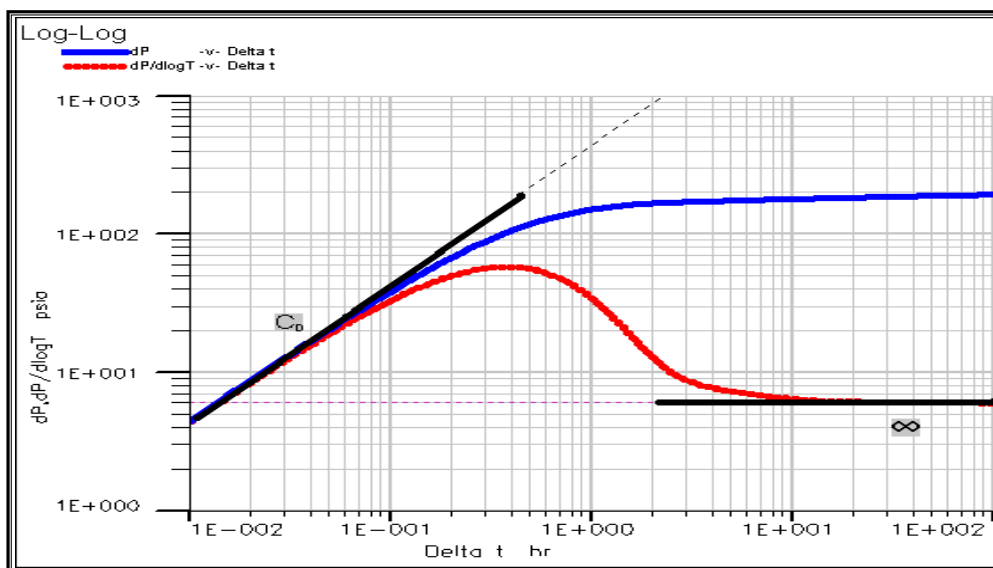
Gambar B.1.
***Log-Log Plot* Sumur “IFN”Skenario 1**

Main Results		Analysis 16
		
Company	Field	
Well	Test Name / #	
Well Tested well		
Test date / time		
Formation interval		
Perforated interval		
Gauge type / #		
Gauge depth		
TEST TYPE	Standard	
Porosity Phi (%)	26	
Well Radius rw	0.3 ft	
Pay Zone h	10 ft	
Form. compr.	3E-6 psi-1	
FLUID TYPE	Oil	
Volume Factor B	1.086 B/STB	
Viscosity	1.31 cp	
Total Compr. ct	9.85E-7 psi-1	
Selected Model		
Model Option	Standard Model	
Well	Vertical, Changing Storage (Hegeman)	
Reservoir	Radial composite	
Boundary	Infinite	
Main Model Parameters		
TMatch	3.26 [hr]-1	
PMatch	0.0182 [psia]-1	
C	0.0197 bbl/psi	
Total Skin	16.7	
k.h, total	285 md.ft	
k, average	28.5 md	
PI	1084.98 psia	
Model Parameters		
Well & Wellbore parameters (Tested well)		
C	0.0197 bbl/psi	
C _i /C _f	2.74	
Alpha	2.06E+5	
Skin	16.7	
Reservoir & Boundary parameters		
PI	1084.98 psia	
k.h	285 md.ft	
k	28.5 md	
Ri	0.603 ft	
M	1E-3	
D	0.217	
Derived & Secondary Parameters		
Delta P (Total Skin)	918.991 psi	

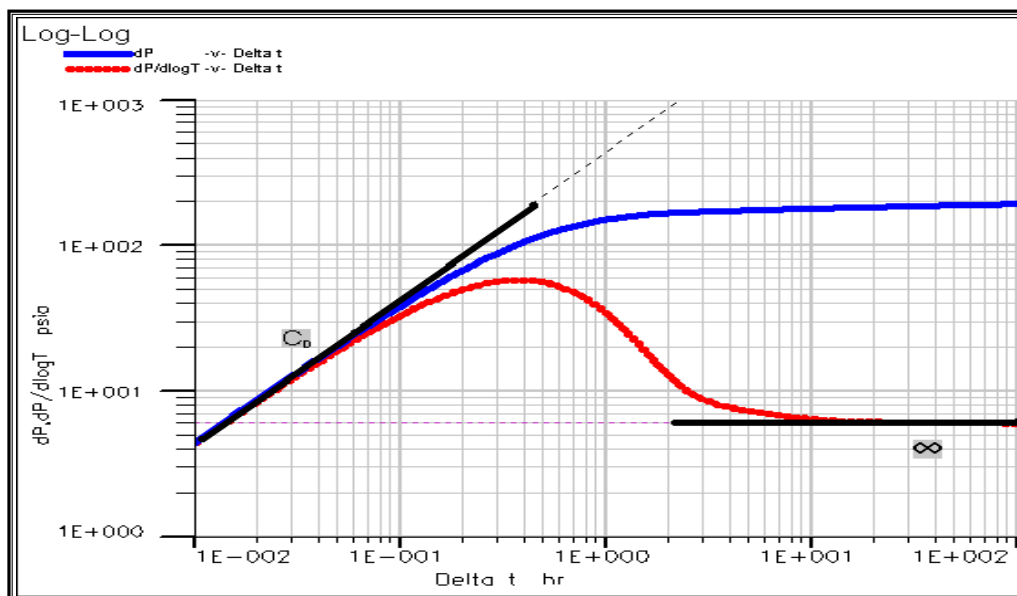
Gambar B.2.
Main Result Sumur “IFN” Skenario 1

LAMPIRAN C
MODEL KURVA DERIVATIVE

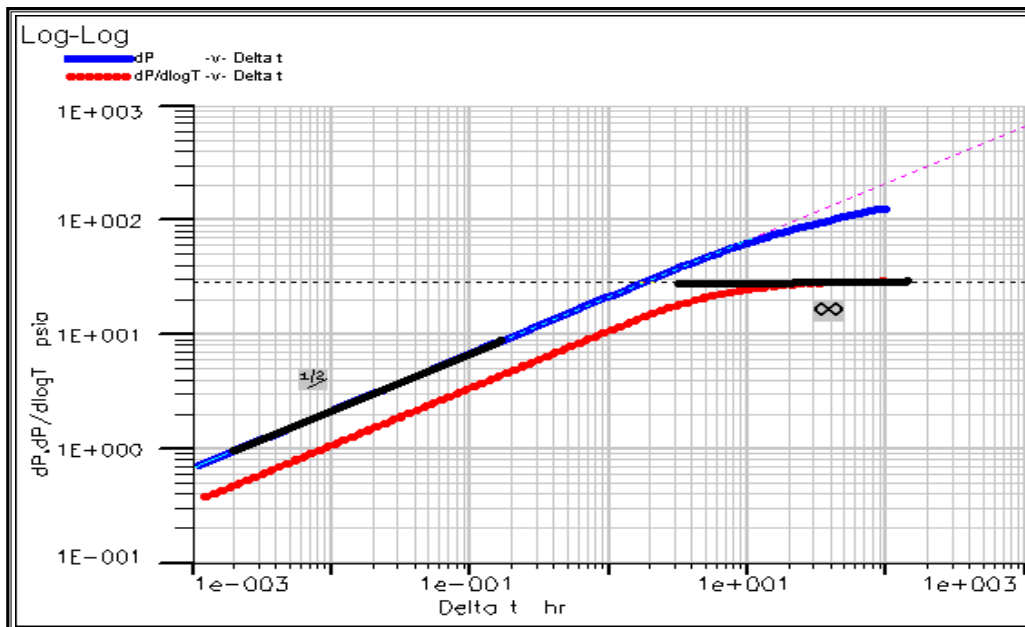
LAMPIRAN C
MODEL KURVA PRESSURE DERIVATIVE



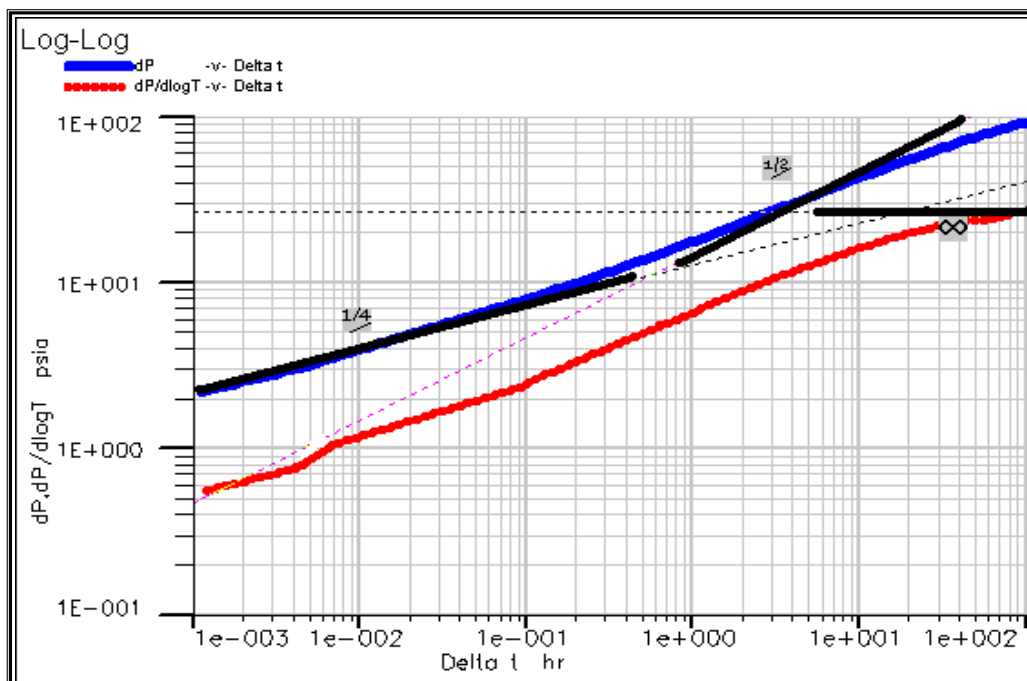
Gambar C.1.
Constant Wellbore Storage
(KAPPA DDA BOOK)



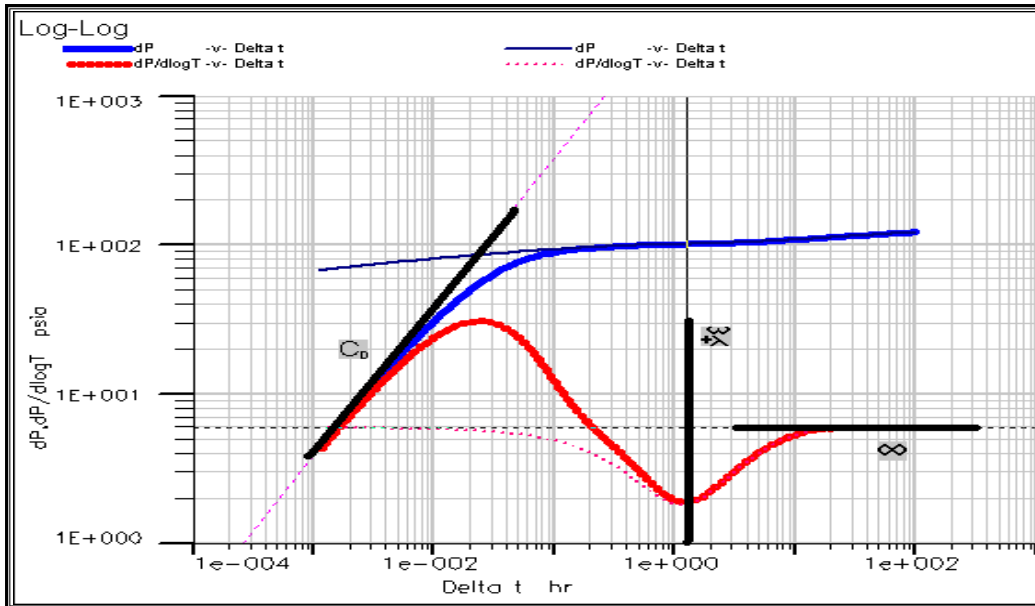
Gambar C.2.
Infinite Acting Radial Flow
(KAPPA DDA BOOK)



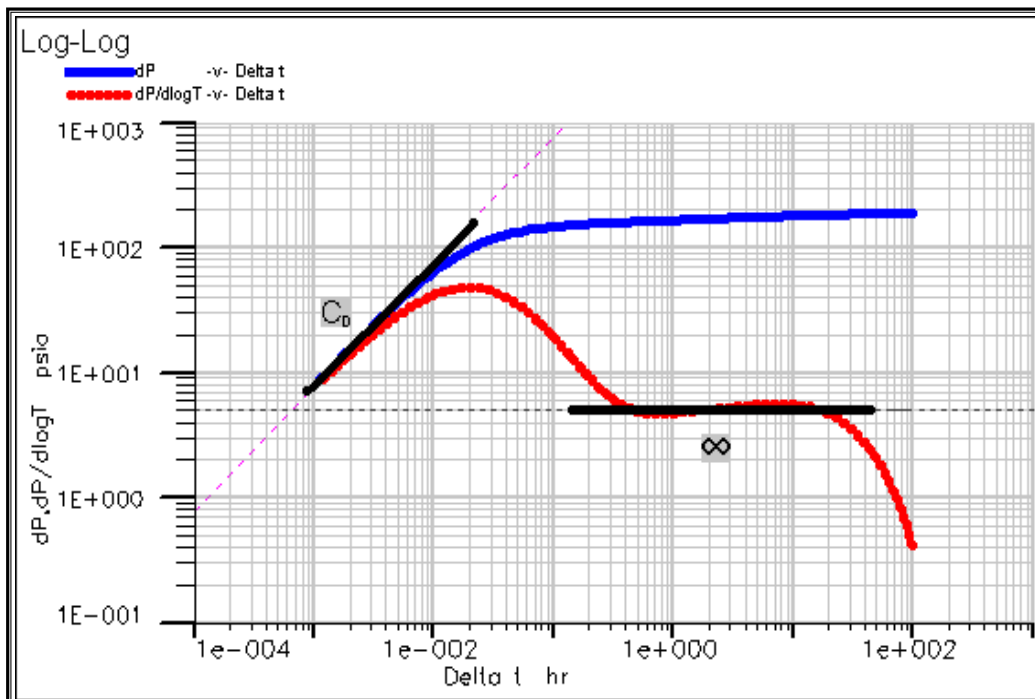
Gambar C.3.
Infinite Conductivity Fracture
 (KAPPA DDA BOOK)



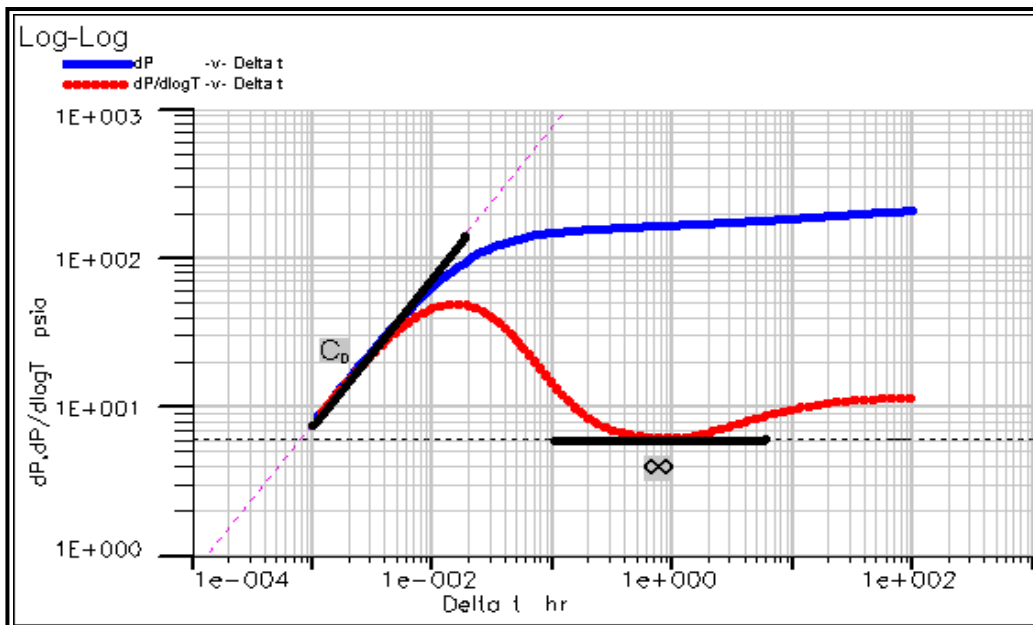
Gambar C.4.
Finite Conductivity Fracture
 (KAPPA DDA BOOK)



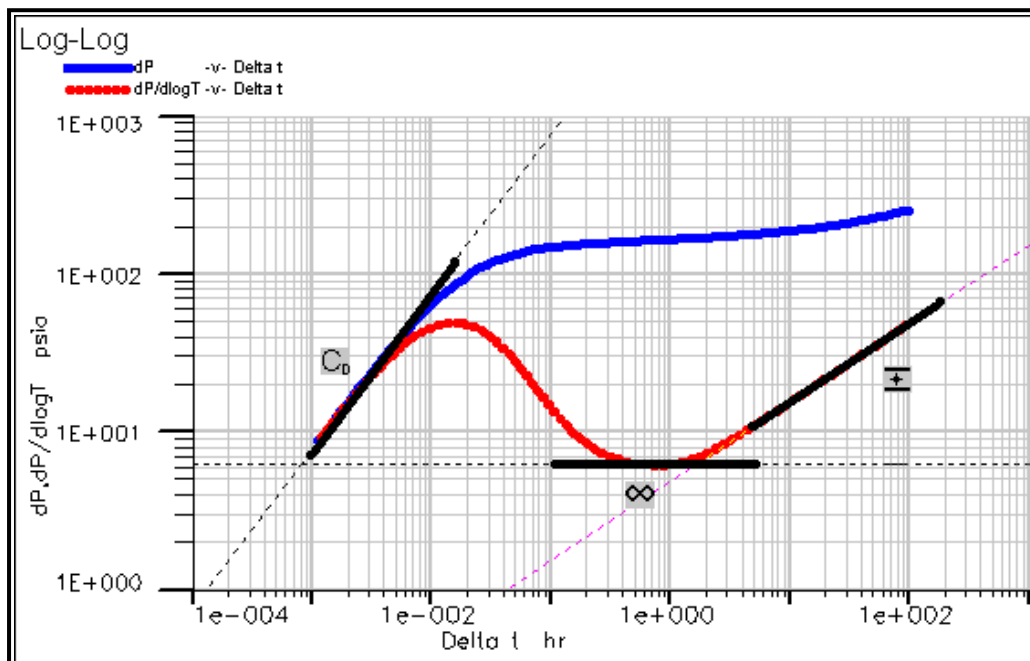
Gambar C.5.
Dual Porosity
(KAPPA DDA BOOK)



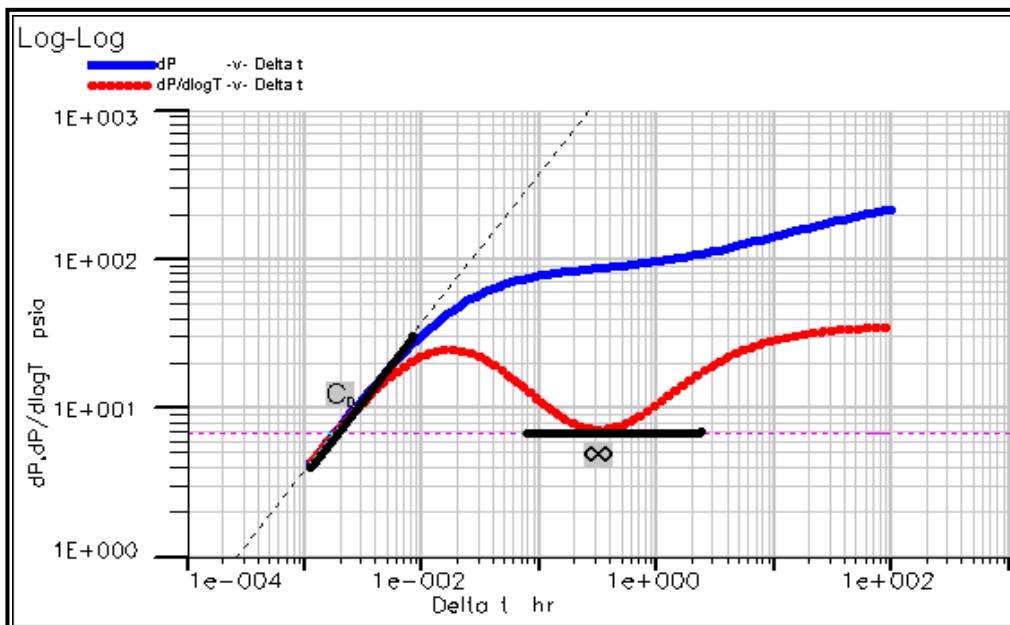
Gambar C.6.
Constant Pressure Boundary
(KAPPA DDA BOOK)



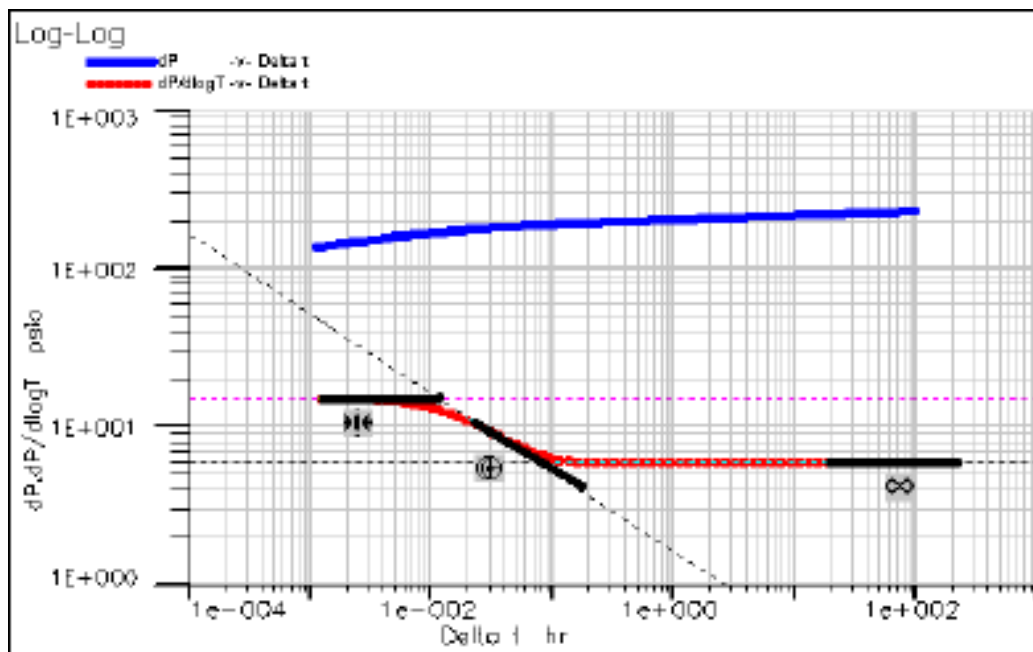
Gambar C.7.
Fault
(KAPPA DDA BOOK)



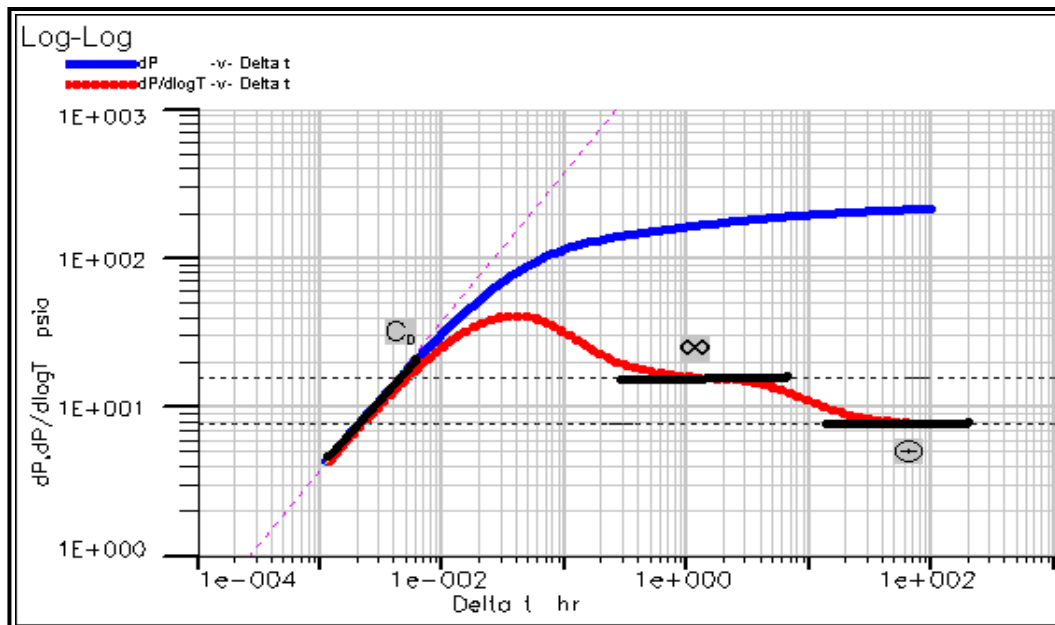
Gambar C.8.
Channel
(KAPPA DDA BOOK)



Gambar C.9.
Intersecting Fault
(KAPPA DDA BOOK)



Gambar C.10.
Limited Entry
(KAPPA DDA BOOK)



Gambar C.11.
Radial Composite Reservoir
 (KAPPA DDA BOOK)