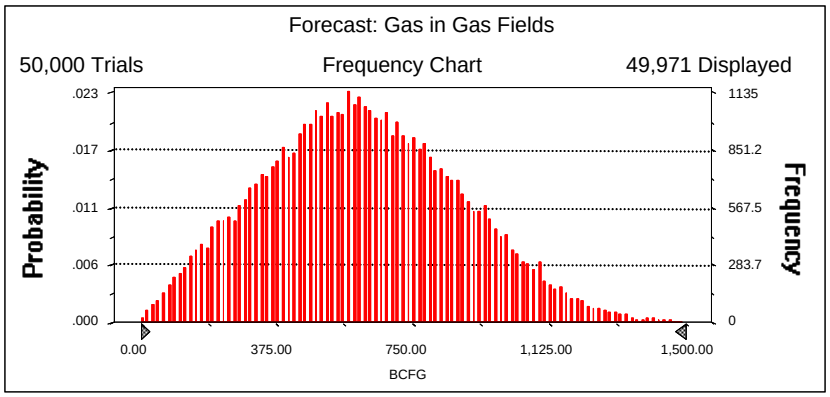
50410202
Jurassic-Lower Cretaceous Reservoirs
Monte Carlo Results

Forecast: Gas in Gas Fields

Summary:

Display range is from 0.00 to 1,500.00 BCFG
Entire range is from 3.23 to 1,837.95 BCFG
After 50,000 trials, the standard error of the mean is 1.20

Statistics:	Value
Trials	50000
Mean	615.09
Median	605.39
Mode	---
Standard Deviation	268.44
Variance	72,062.15
Skewness	0.20
Kurtosis	2.65
Coefficient of Variability	0.44
Range Minimum	3.23
Range Maximum	1,837.95
Range Width	1,834.73
Mean Standard Error	1.20



Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	3.23
95%	184.48
90%	262.71
85%	324.11
80%	375.22
75%	420.39
70%	461.69
65%	499.08
60%	534.71
55%	571.29
50%	605.39
45%	640.51
40%	677.40
35%	715.84
30%	756.70
25%	799.82
20%	849.14
15%	905.46
10%	972.67
5%	1,073.12
0%	1,837.95

End of Forecast

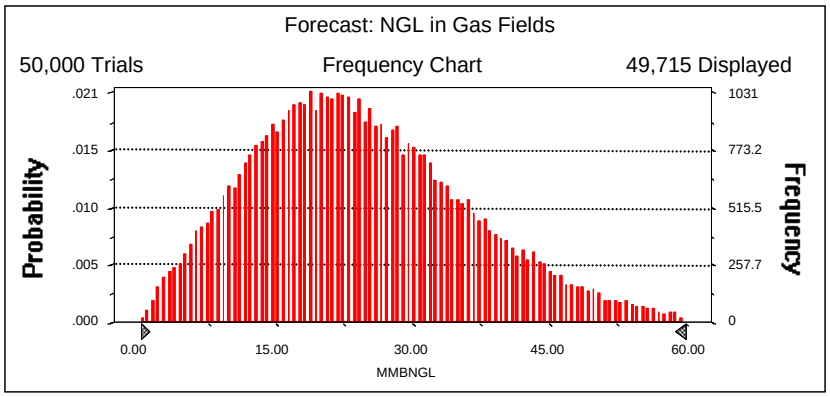
50410202
Jurassic-Lower Cretaceous Reservoirs
Monte Carlo Results

Forecast: NGL in Gas Fields

Summary:

Display range is from 0.00 to 60.00 MMBNGL
Entire range is from 0.18 to 89.53 MMBNGL
After 50,000 trials, the standard error of the mean is 0.05

Statistics:	Value
Trials	50000
Mean	24.58
Median	23.29
Mode	---
Standard Deviation	12.07
Variance	145.60
Skewness	0.57
Kurtosis	3.20
Coefficient of Variability	0.49
Range Minimum	0.18
Range Maximum	89.53
Range Width	89.35
Mean Standard Error	0.05



Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.18
95%	6.86
90%	9.86
85%	12.11
80%	13.99
75%	15.73
70%	17.31
65%	18.84
60%	20.34
55%	21.81
50%	23.29
45%	24.82
40%	26.50
35%	28.24
30%	30.10
25%	32.06
20%	34.47
15%	37.32
10%	40.97
5%	46.45
0%	89.53

End of Forecast

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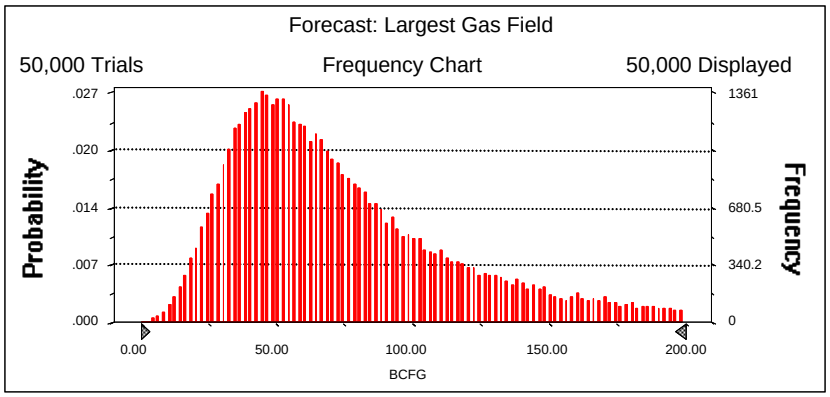
Jurassic-Lower Cretaceous Reservoirs
Monte Carlo Results

Forecast: Largest Gas Field

Summary:

Display range is from 0.00 to 200.00 BCFG
Entire range is from 3.23 to 199.95 BCFG
After 50,000 trials, the standard error of the mean is 0.18

Statistics:	Value
Trials	50000
Mean	73.17
Median	63.92
Mode	---
Standard Deviation	39.47
Variance	1,557.87
Skewness	0.98
Kurtosis	3.50
Coefficient of Variability	0.54
Range Minimum	3.23
Range Maximum	199.95
Range Width	196.73
Mean Standard Error	0.18



Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	3.23
95%	24.83
90%	31.20
85%	35.92
80%	40.04
75%	43.95
70%	47.62
65%	51.44
60%	55.28
55%	59.46
50%	63.92
45%	68.51
40%	73.63
35%	79.41
30%	86.03
25%	93.72
20%	103.45
15%	115.67
10%	131.84
5%	155.62
0%	199.95

End of Forecast

50410202
Jurassic-Lower Cretaceous Reservoirs
Monte Carlo Results

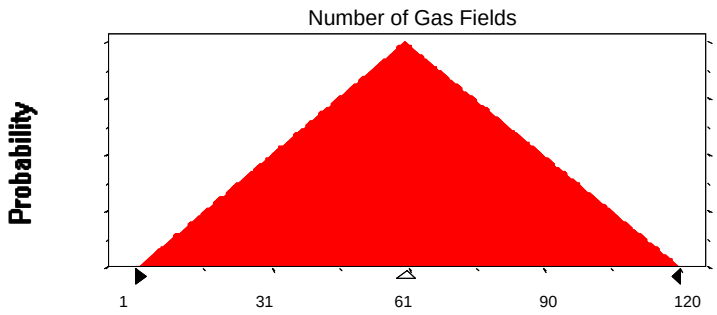
Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:

Minimum	1
Likeliest	60
Maximum	120

Selected range is from 1 to 120



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	7.51	10.51
Standard Deviation	17.21	17.21

Selected range is from 0.00 to 197.00 3.00 to 200.00

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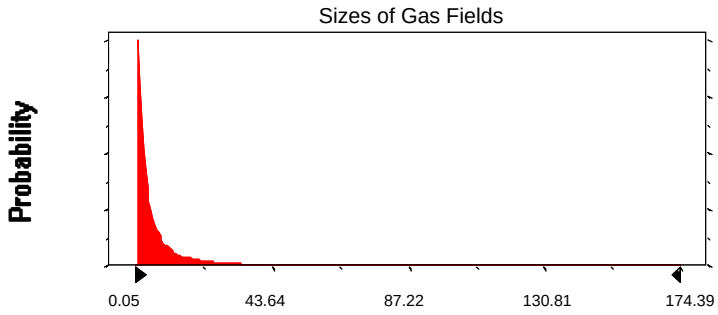
Assumption: Sizes of Gas Fields (cont'd)

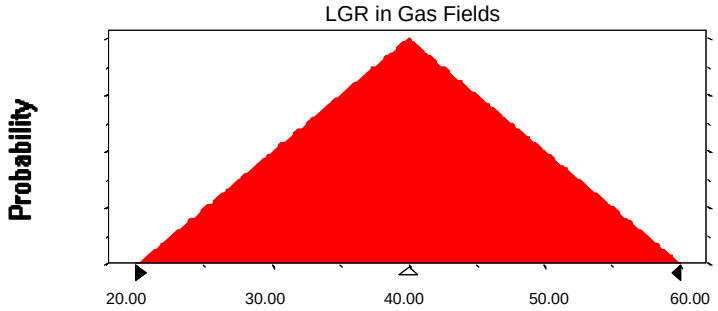


Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	20.00
Likeliest	40.00
Maximum	60.00

Selected range is from 20.00 to 60.00



End of Assumptions

Simulation started on 9/17/04 at 16:05:30
Simulation stopped on 9/17/04 at 16:09:11

Click here to return to
Chapter 3