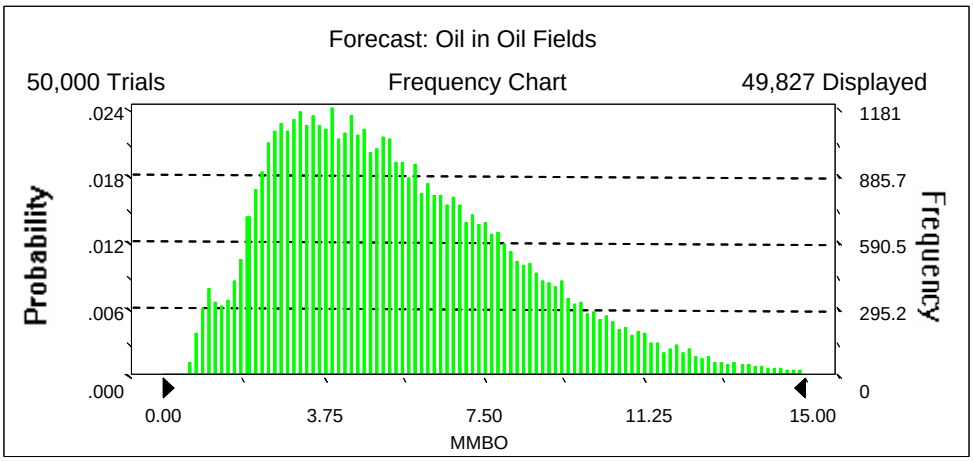
50490204
Cotton Valley Hypothetical Updip Oil
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.00 to 15.00 MMBO
Entire range is from 0.57 to 23.64 MMBO
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	5.57
Median	5.11
Mode	---
Standard Deviation	2.82
Variance	7.98
Skewness	0.80
Kurtosis	3.57
Coefficient of Variability	0.51
Range Minimum	0.57
Range Maximum	23.64
Range Width	23.07
Mean Standard Error	0.01



Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	0.57
95%	1.86
90%	2.36
85%	2.72
80%	3.06
75%	3.39
70%	3.72
65%	4.05
60%	4.40
55%	4.74
50%	5.11
45%	5.47
40%	5.88
35%	6.33
30%	6.81
25%	7.33
20%	7.89
15%	8.59
10%	9.47
5%	10.85
0%	23.64

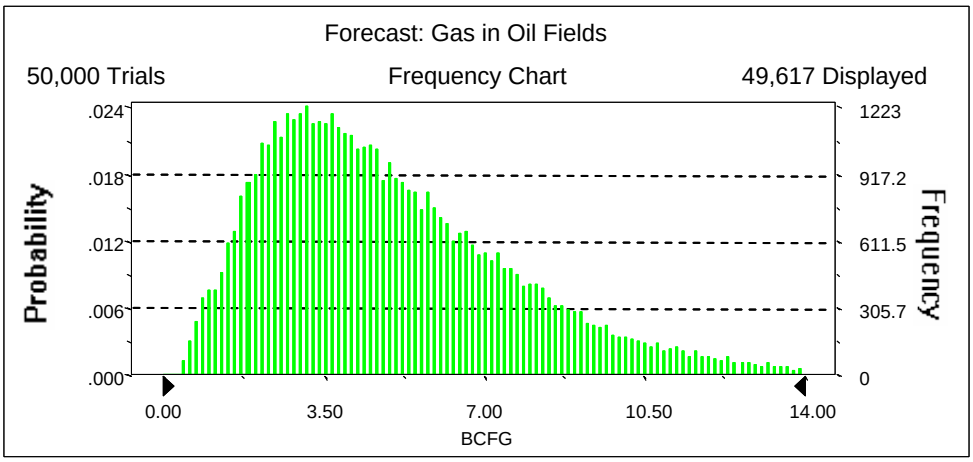
End of Forecast

Forecast: Gas in Oil Fields

Summary:

Display range is from 0.00 to 14.00 BCFG
Entire range is from 0.36 to 22.66 BCFG
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	5.02
Median	4.47
Mode	---
Standard Deviation	2.80
Variance	7.82
Skewness	1.06
Kurtosis	4.41
Coefficient of Variability	0.56
Range Minimum	0.36
Range Maximum	22.66
Range Width	22.29
Mean Standard Error	0.01



Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	0.36
95%	1.50
90%	1.96
85%	2.31
80%	2.63
75%	2.92
70%	3.21
65%	3.52
60%	3.82
55%	4.13
50%	4.47
45%	4.81
40%	5.19
35%	5.60
30%	6.05
25%	6.58
20%	7.18
15%	7.88
10%	8.82
5%	10.38
0%	22.66

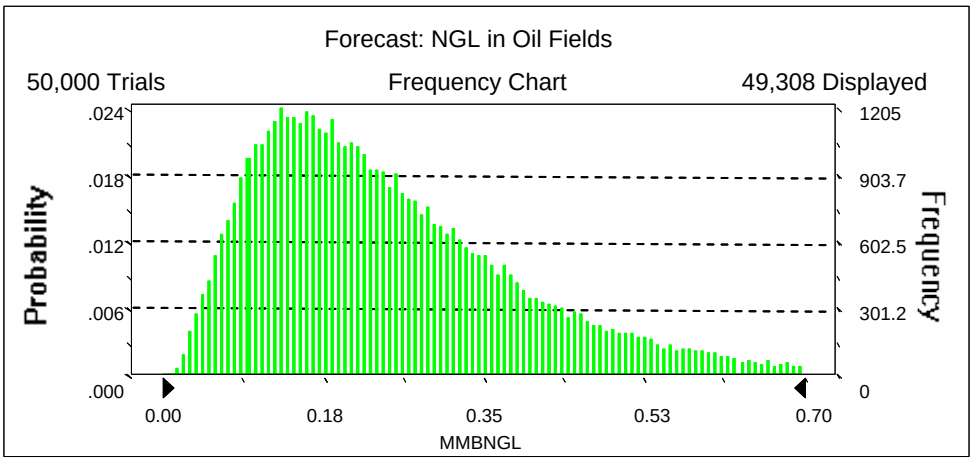
End of Forecast

Forecast: NGL in Oil Fields

Summary:

Display range is from 0.00 to 0.70 MMBNGL
Entire range is from 0.02 to 1.38 MMBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.25
Median	0.22
Mode	---
Standard Deviation	0.15
Variance	0.02
Skewness	1.31
Kurtosis	5.55
Coefficient of Variability	0.61
Range Minimum	0.02
Range Maximum	1.38
Range Width	1.36
Mean Standard Error	0.00



Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.02
95%	0.07
90%	0.09
85%	0.11
80%	0.12
75%	0.14
70%	0.15
65%	0.17
60%	0.18
55%	0.20
50%	0.22
45%	0.24
40%	0.26
35%	0.28
30%	0.30
25%	0.33
20%	0.36
15%	0.40
10%	0.46
5%	0.54
0%	1.38

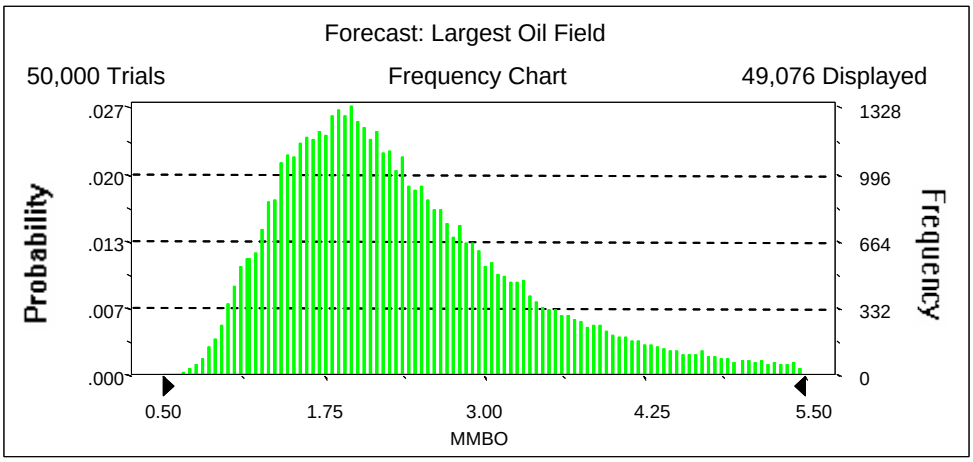
End of Forecast

Forecast: Largest Oil Field

Summary:

Display range is from 0.50 to 5.50 MMBO
Entire range is from 0.57 to 8.00 MMBO
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	2.44
Median	2.20
Mode	---
Standard Deviation	1.05
Variance	1.11
Skewness	1.43
Kurtosis	5.87
Coefficient of Variability	0.43
Range Minimum	0.57
Range Maximum	8.00
Range Width	7.42
Mean Standard Error	0.00



Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	0.57
95%	1.19
90%	1.36
85%	1.48
80%	1.60
75%	1.70
70%	1.81
65%	1.90
60%	2.00
55%	2.10
50%	2.20
45%	2.32
40%	2.44
35%	2.58
30%	2.73
25%	2.91
20%	3.13
15%	3.40
10%	3.81
5%	4.50
0%	8.00

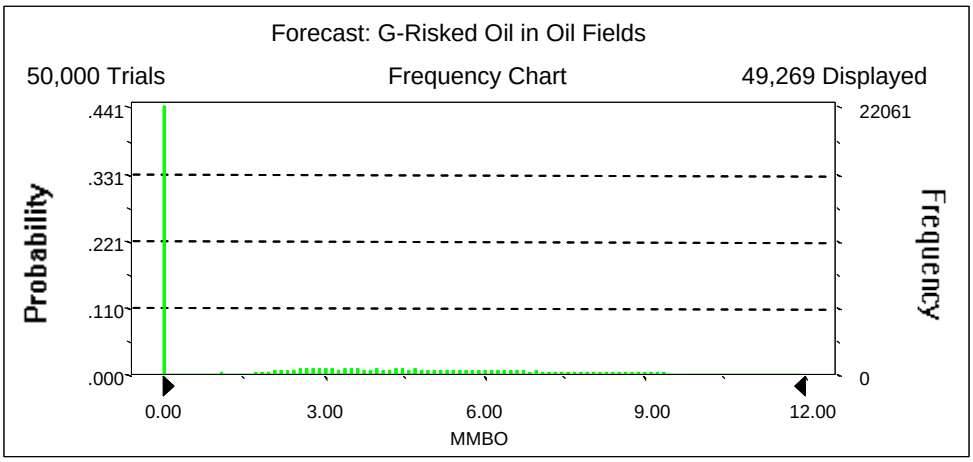
End of Forecast

Forecast: G-Risked Oil in Oil Fields

Summary:

Display range is from 0.00 to 12.00 MMBO
Entire range is from 0.00 to 21.74 MMBO
After 50,000 trials, the standard error of the mean is 0.02

Statistics:	Value
Trials	50000
Mean	3.11
Median	2.39
Mode	0.00
Standard Deviation	3.48
Variance	12.11
Skewness	0.90
Kurtosis	3.06
Coefficient of Variability	1.12
Range Minimum	0.00
Range Maximum	21.74
Range Width	21.74
Mean Standard Error	0.02



Forecast: G-Risked Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	0.00
95%	0.00
90%	0.00
85%	0.00
80%	0.00
75%	0.00
70%	0.00
65%	0.00
60%	0.00
55%	1.14
50%	2.39
45%	3.00
40%	3.60
35%	4.21
30%	4.83
25%	5.50
20%	6.26
15%	7.14
10%	8.16
5%	9.70
0%	21.74

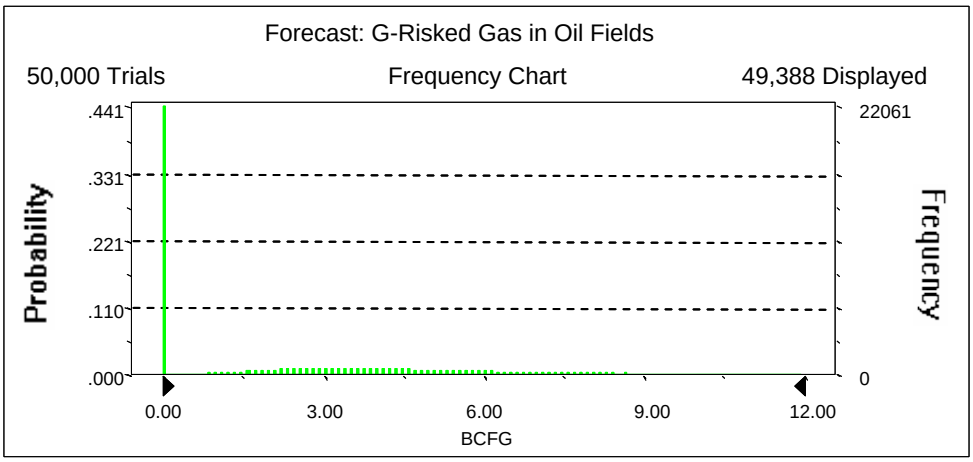
End of Forecast

Forecast: G-Risked Gas in Oil Fields

Summary:

Display range is from 0.00 to 12.00 BCFG
Entire range is from 0.00 to 22.66 BCFG
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	2.80
Median	1.98
Mode	0.00
Standard Deviation	3.25
Variance	10.55
Skewness	1.12
Kurtosis	3.91
Coefficient of Variability	1.16
Range Minimum	0.00
Range Maximum	22.66
Range Width	22.66
Mean Standard Error	0.01



Forecast: G-Risked Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	0.00
95%	0.00
90%	0.00
85%	0.00
80%	0.00
75%	0.00
70%	0.00
65%	0.00
60%	0.00
55%	0.97
50%	1.98
45%	2.59
40%	3.11
35%	3.65
30%	4.20
25%	4.81
20%	5.53
15%	6.36
10%	7.46
5%	9.05
0%	22.66

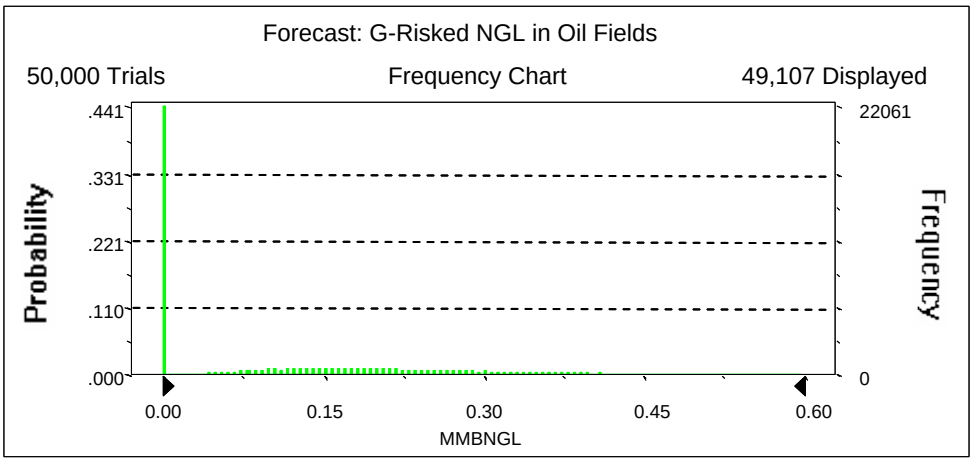
End of Forecast

Forecast: G-Risked NGL in Oil Fields

Summary:

Display range is from 0.00 to 0.60 MMBNGL
Entire range is from 0.00 to 1.32 MMBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.14
Median	0.09
Mode	0.00
Standard Deviation	0.17
Variance	0.03
Skewness	1.33
Kurtosis	4.92
Coefficient of Variability	1.20
Range Minimum	0.00
Range Maximum	1.32
Range Width	1.32
Mean Standard Error	0.00



Forecast: G-Risked NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.00
95%	0.00
90%	0.00
85%	0.00
80%	0.00
75%	0.00
70%	0.00
65%	0.00
60%	0.00
55%	0.05
50%	0.09
45%	0.12
40%	0.15
35%	0.18
30%	0.20
25%	0.24
20%	0.27
15%	0.32
10%	0.38
5%	0.47
0%	1.32

End of Forecast

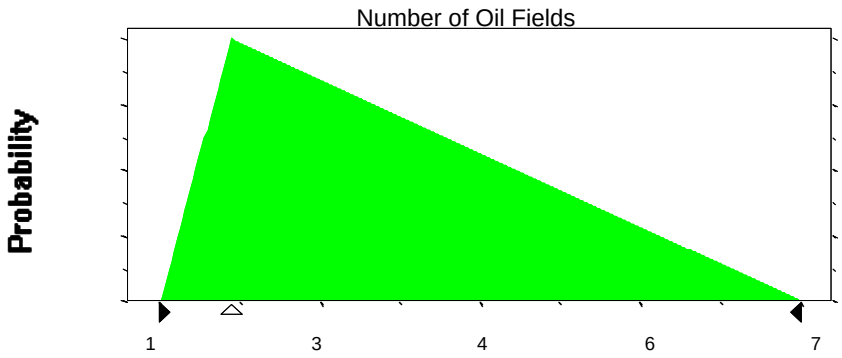
Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:

Minimum	1
Likeliest	2
Maximum	7

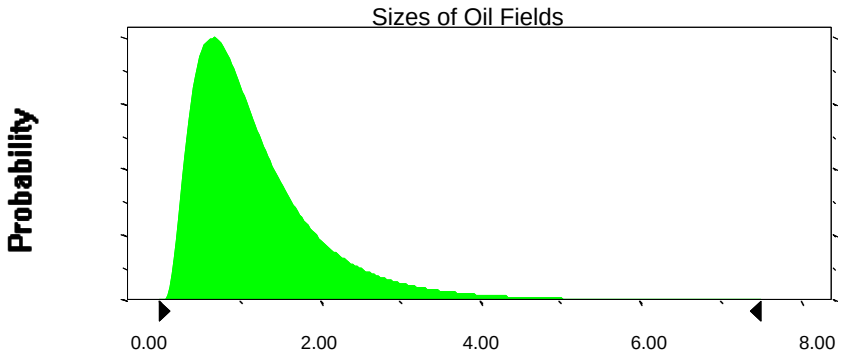
Selected range is from 1 to 7



Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1.24	1.74
Standard Deviation	0.90	0.90
Selected range is from 0.00 to 7.50		0.50 to 8.00

Assumption: Sizes of Oil Fields (cont'd)

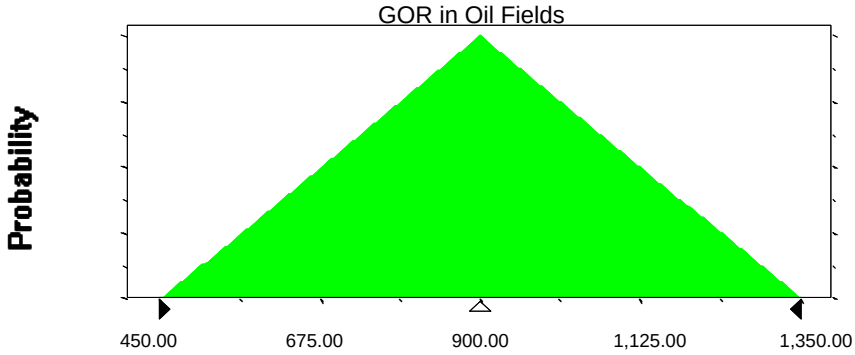


Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	450.00
Likeliest	900.00
Maximum	1,350.00

Selected range is from 450.00 to 1,350.00

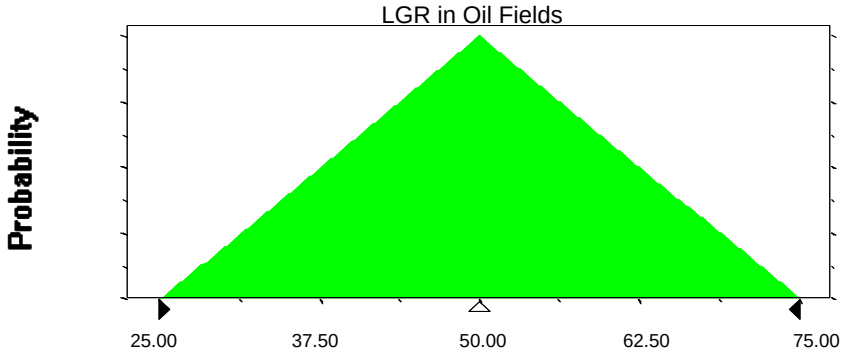


Assumption: LGR in Oil Fields

Triangular distribution with parameters:

Minimum	25.00
Likeliest	50.00
Maximum	75.00

Selected range is from 25.00 to 75.00



End of Assumptions

Simulation started on 11/27/01 at 16:01:02
Simulation stopped on 11/27/01 at 16:11:56