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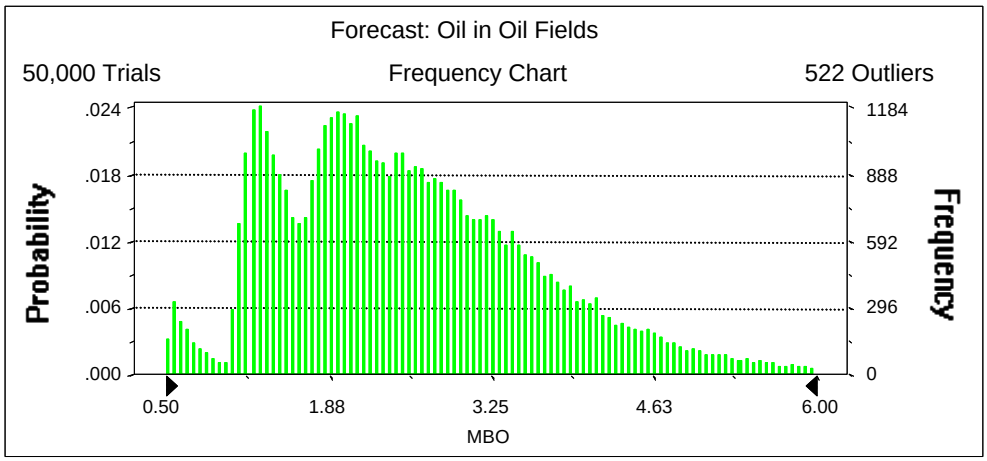
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.50 to 6.00 MBO
Entire range is from 0.51 to 11.29 MBO
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	2.59
Median	2.42
Mode	---
Standard Deviation	1.14
Variance	1.30
Skewness	0.96
Kurtosis	4.58
Coefficient of Variability	0.44
Range Minimum	0.51
Range Maximum	11.29
Range Width	10.78
Mean Standard Error	0.01



Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MBO
100%	0.51
95%	1.16
90%	1.29
85%	1.41
80%	1.58
75%	1.77
70%	1.90
65%	2.02
60%	2.14
55%	2.27
50%	2.42
45%	2.56
40%	2.72
35%	2.88
30%	3.05
25%	3.25
20%	3.47
15%	3.73
10%	4.10
5%	4.68
0%	11.29

End of Forecast

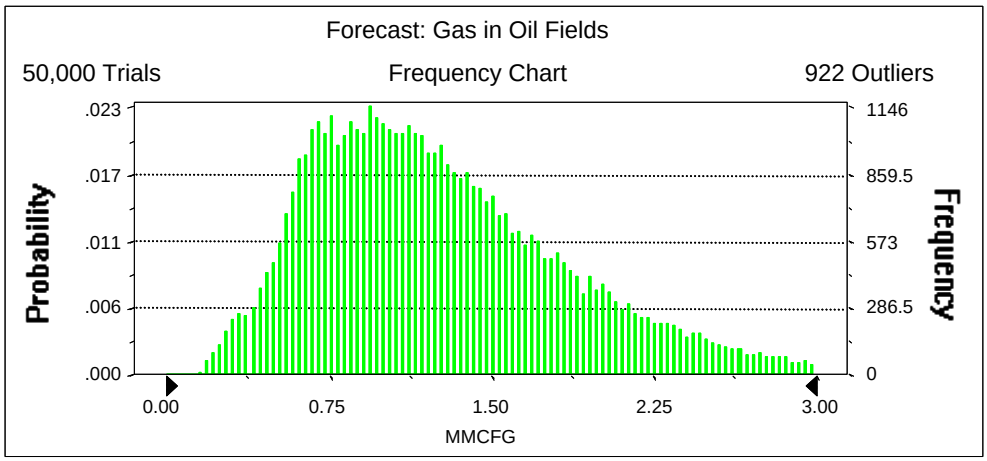
50390201
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: Gas in Oil Fields

Summary:

Display range is from 0.00 to 3.00 MMCFG
Entire range is from 0.15 to 6.45 MMCFG
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	1.30
Median	1.18
Mode	---
Standard Deviation	0.64
Variance	0.41
Skewness	1.15
Kurtosis	5.08
Coefficient of Variability	0.49
Range Minimum	0.15
Range Maximum	6.45
Range Width	6.30
Mean Standard Error	0.00



Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	MMCFG
100%	0.15
95%	0.49
90%	0.60
85%	0.68
80%	0.75
75%	0.83
70%	0.90
65%	0.97
60%	1.03
55%	1.11
50%	1.18
45%	1.26
40%	1.34
35%	1.43
30%	1.52
25%	1.64
20%	1.77
15%	1.93
10%	2.14
5%	2.49
0%	6.45

End of Forecast

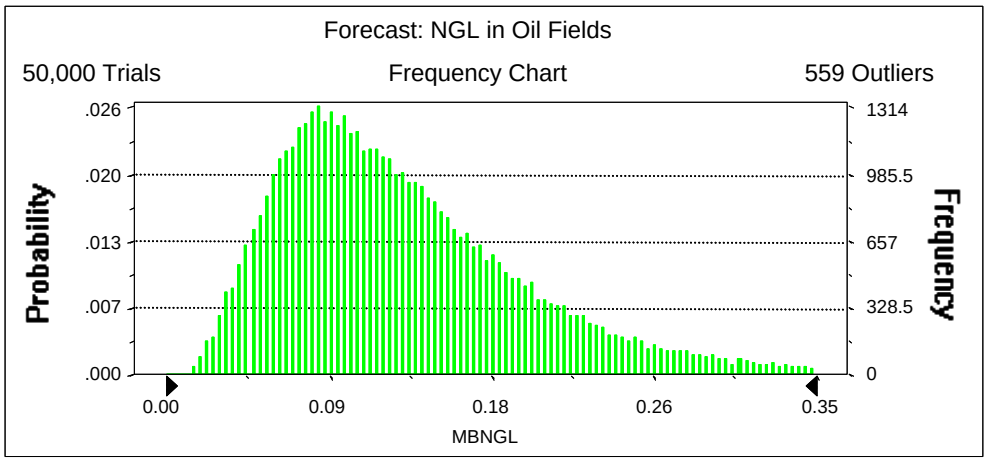
50390201
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: NGL in Oil Fields

Summary:

Display range is from 0.00 to 0.35 MBNGL
Entire range is from 0.01 to 0.66 MBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.13
Median	0.11
Mode	---
Standard Deviation	0.07
Variance	0.00
Skewness	1.34
Kurtosis	5.87
Coefficient of Variability	0.54
Range Minimum	0.01
Range Maximum	0.66
Range Width	0.65
Mean Standard Error	0.00



Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MBNGL
100%	0.01
95%	0.04
90%	0.06
85%	0.06
80%	0.07
75%	0.08
70%	0.09
65%	0.09
60%	0.10
55%	0.11
50%	0.11
45%	0.12
40%	0.13
35%	0.14
30%	0.15
25%	0.16
20%	0.18
15%	0.20
10%	0.22
5%	0.26
0%	0.66

End of Forecast

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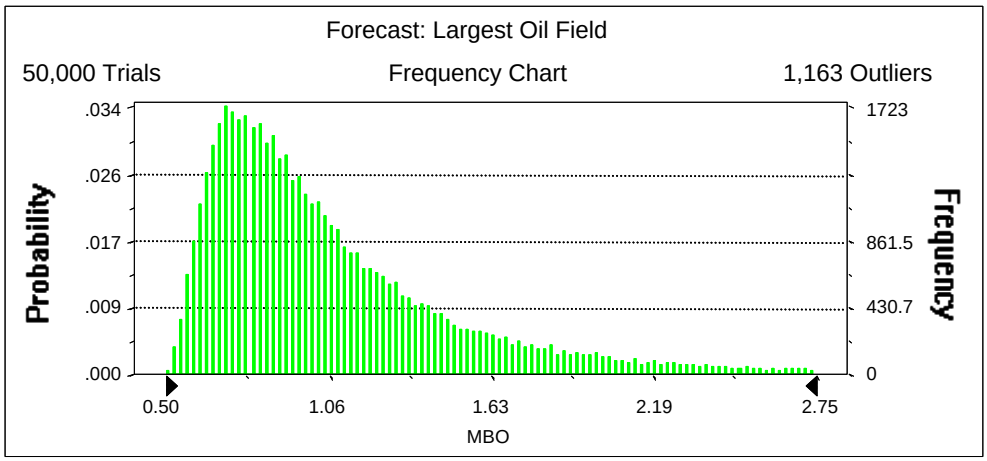
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: Largest Oil Field

Summary:

Display range is from 0.50 to 2.75 MBO
Entire range is from 0.51 to 4.99 MBO
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	1.12
Median	0.96
Mode	---
Standard Deviation	0.55
Variance	0.31
Skewness	2.50
Kurtosis	11.76
Coefficient of Variability	0.49
Range Minimum	0.51
Range Maximum	4.99
Range Width	4.48
Mean Standard Error	0.00



Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MBO
100%	0.51
95%	0.62
90%	0.67
85%	0.70
80%	0.73
75%	0.77
70%	0.80
65%	0.84
60%	0.87
55%	0.91
50%	0.96
45%	1.01
40%	1.06
35%	1.12
30%	1.19
25%	1.28
20%	1.39
15%	1.53
10%	1.76
5%	2.20
0%	4.99

End of Forecast

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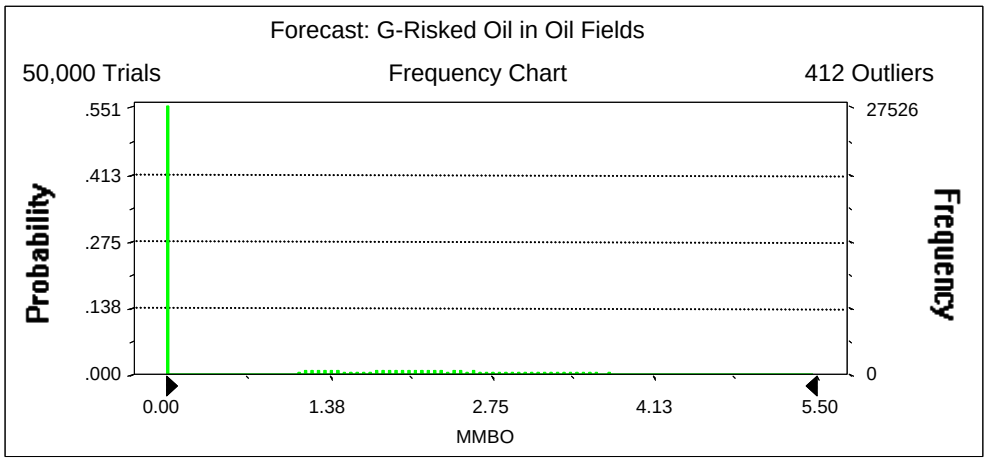
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: G-Risked Oil in Oil Fields

Summary:

Display range is from 0.00 to 5.50 MMBO
Entire range is from 0.00 to 9.45 MMBO
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	1.16
Median	0.00
Mode	0.00
Standard Deviation	1.49
Variance	2.23
Skewness	1.07
Kurtosis	3.40
Coefficient of Variability	1.29
Range Minimum	0.00
Range Maximum	9.45
Range Width	9.45
Mean Standard Error	0.01



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%	0.00
50%	0.00
45%	0.00
40%	1.31
35%	1.66
30%	1.97
25%	2.24
20%	2.56
15%	2.92
10%	3.36
5%	3.99
0%	9.45

End of Forecast

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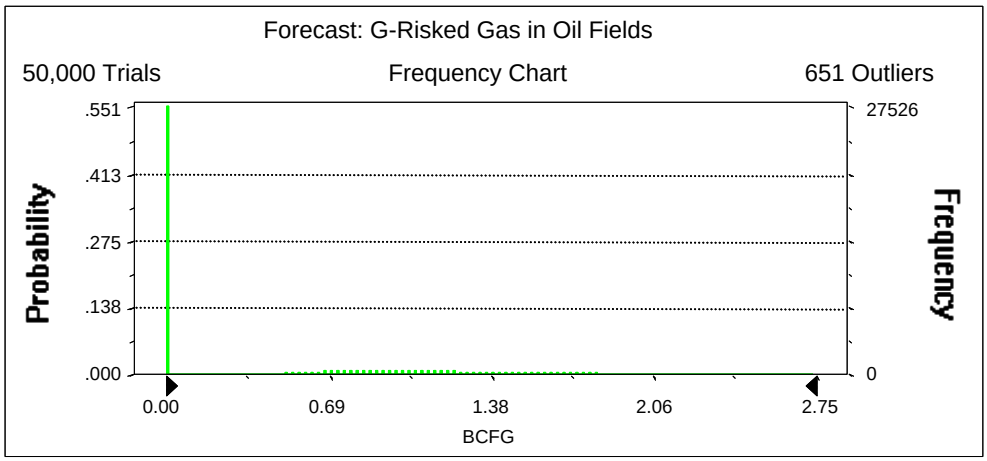
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: G-Risked Gas in Oil Fields

Summary:

Display range is from 0.00 to 2.75 BCFG
Entire range is from 0.00 to 5.78 BCFG
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.58
Median	0.00
Mode	0.00
Standard Deviation	0.77
Variance	0.59
Skewness	1.26
Kurtosis	4.19
Coefficient of Variability	1.33
Range Minimum	0.00
Range Maximum	5.78
Range Width	5.78
Mean Standard Error	0.00



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%	0.00
50%	0.00
45%	0.00
40%	0.62
35%	0.78
30%	0.94
25%	1.09
20%	1.26
15%	1.45
10%	1.70
5%	2.08
0%	5.78

End of Forecast

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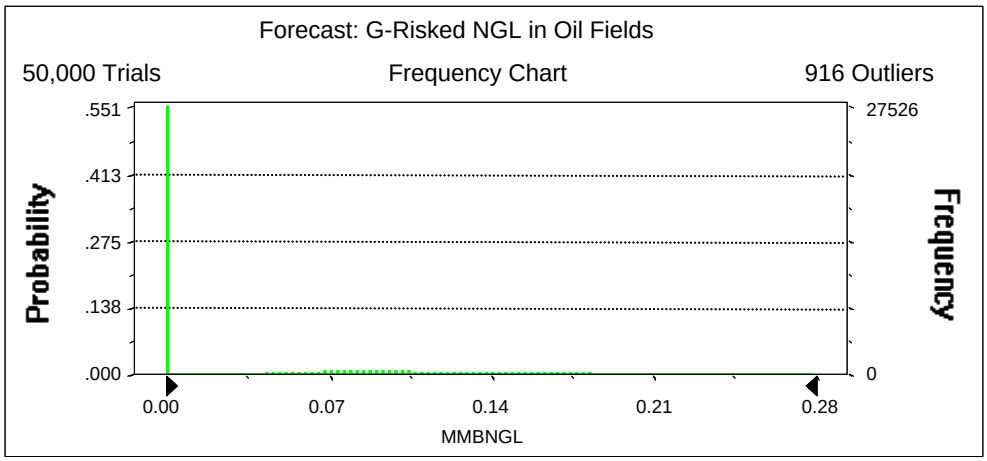
Fractured Niobrara Limestone Transitional
Monte Carlo Results

Forecast: G-Risked NGL in Oil Fields

Summary:

Display range is from 0.00 to 0.28 MMBNGL
Entire range is from 0.00 to 0.63 MMBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.06
Median	0.00
Mode	0.00
Standard Deviation	0.08
Variance	0.01
Skewness	1.45
Kurtosis	5.12
Coefficient of Variability	1.37
Range Minimum	0.00
Range Maximum	0.63
Range Width	0.63
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%	0.00
50%	0.00
45%	0.00
40%	0.06
35%	0.07
30%	0.09
25%	0.11
20%	0.12
15%	0.14
10%	0.17
5%	0.21
0%	0.63

End of Forecast

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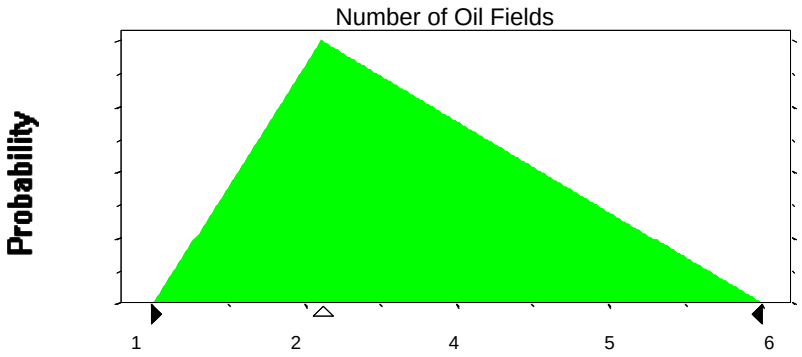
Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:

Minimum	1
Likeliest	2
Maximum	6

Selected range is from 1 to 6



Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	0.33	0.83
Standard Deviation	0.44	0.44
Selected range is from	0.00 to 4.50	0.50 to 5.00

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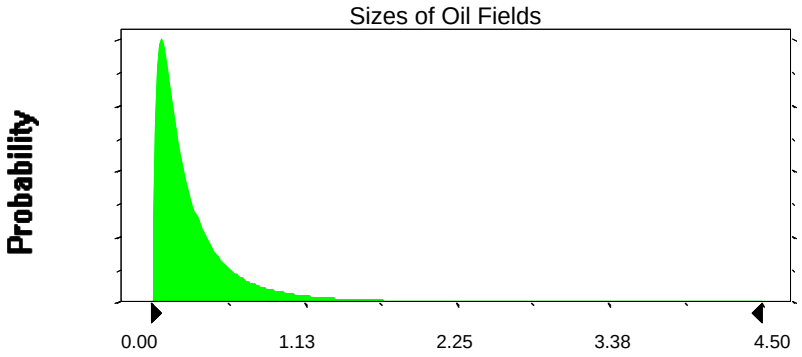
Assumption: Sizes of Oil Fields (cont'd)

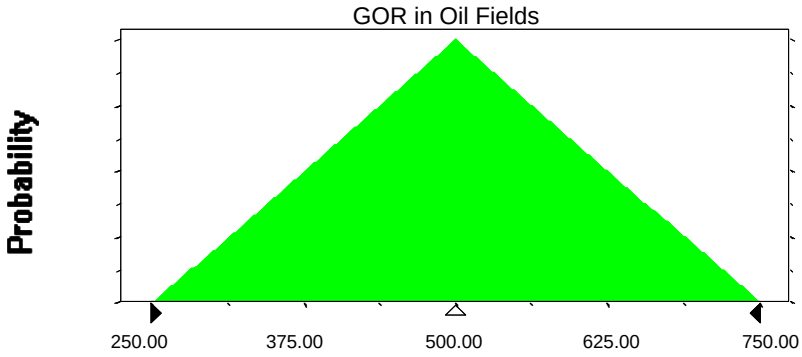


Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	250.00
Likeliest	500.00
Maximum	750.00

Selected range is from 250.00 to 750.00



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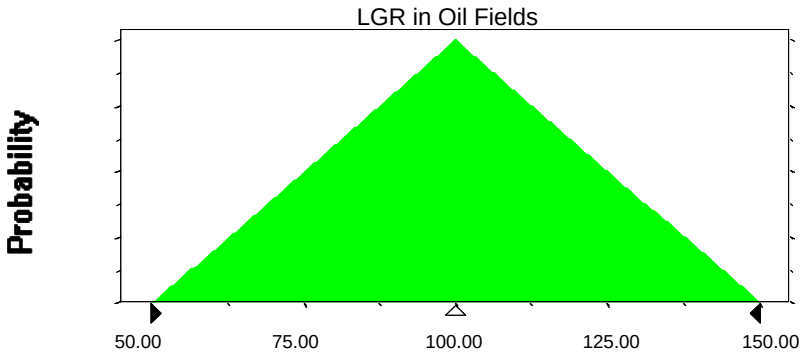
Monte Carlo Results

Assumption: LGR in Oil Fields

Triangular distribution with parameters:

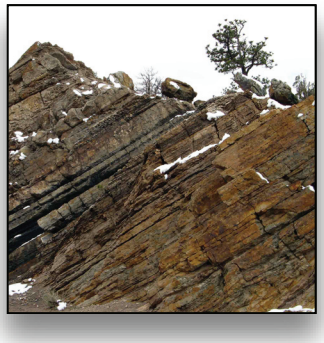
Minimum	50.00
Likeliest	100.00
Maximum	150.00

Selected range is from 50.00 to 150.00



End of Assumptions

Simulation started on 4/20/01 at 16:13:30
Simulation stopped on 4/20/01 at 16:24:06



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Chapter 4