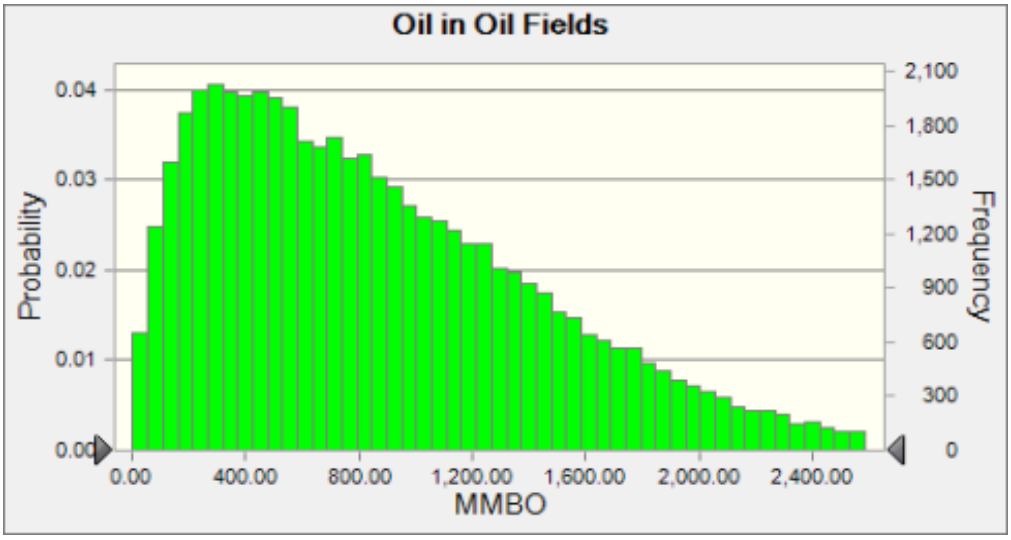
61170103
North Cuba Platform Margin Carbonate
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 1.61 to 4,415.64
After 50,000 trials, the standard error of the mean is 2.72



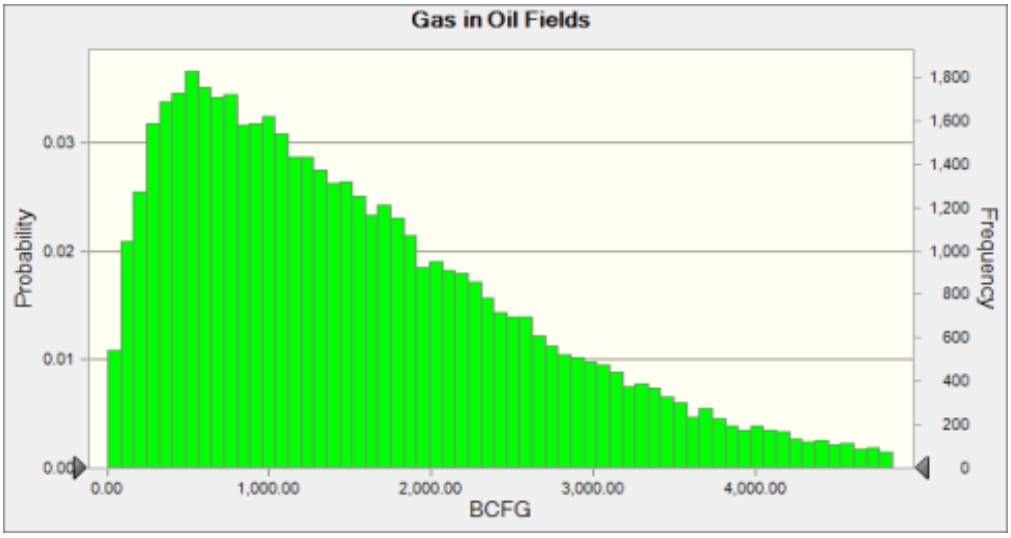
Statistics:	Forecast values
Trials	50,000
Mean	883.13
Median	759.73
Mode	---
Standard Deviation	607.81
Variance	369,431.57
Skewness	0.97
Kurtosis	3.91
Coefficient of Variability	0.69
Minimum	1.61
Maximum	4,415.64
Range Width	4,414.02
Mean Standard Error	2.72

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	1.61
95%	131.66
90%	207.61
85%	272.60
80%	336.72
75%	402.92
70%	468.51
65%	538.04
60%	608.79
55%	683.56
50%	759.73
45%	843.73
40%	929.93
35%	1,027.58
30%	1,131.79
25%	1,246.37
20%	1,377.98
15%	1,532.77
10%	1,733.12
5%	2,036.87
0%	4,415.64

Forecast: Gas in Oil Fields

Summary:
Entire range is from 2.27 to 10,119.49
After 50,000 trials, the standard error of the mean is 5.20



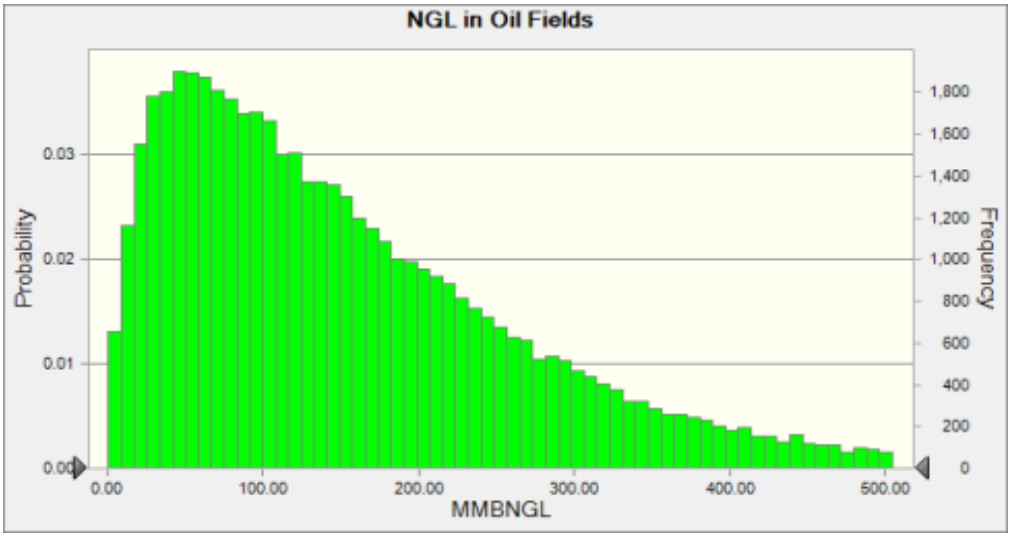
Statistics:	Forecast values
Trials	50,000
Mean	1,588.79
Median	1,330.19
Mode	---
Standard Deviation	1,162.40
Variance	1,351,166.81
Skewness	1.22
Kurtosis	4.89
Coefficient of Variability	0.73
Minimum	2.27
Maximum	10,119.49
Range Width	10,117.22
Mean Standard Error	5.20

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	2.27
95%	221.42
90%	349.31
85%	466.68
80%	579.46
75%	694.98
70%	816.58
65%	935.38
60%	1,064.31
55%	1,195.06
50%	1,330.19
45%	1,477.15
40%	1,631.74
35%	1,800.60
30%	1,997.66
25%	2,210.40
20%	2,465.82
15%	2,773.79
10%	3,180.77
5%	3,841.07
0%	10,119.49

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.25 to 1,289.69
After 50,000 trials, the standard error of the mean is 0.55



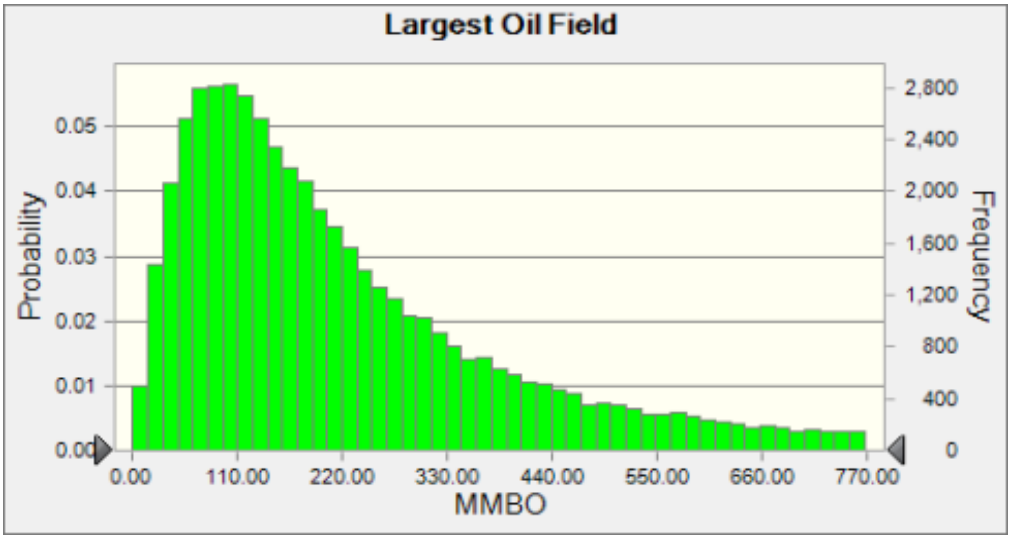
Statistics:	Forecast values
Trials	50,000
Mean	158.90
Median	129.67
Mode	---
Standard Deviation	123.34
Variance	15,212.78
Skewness	1.46
Kurtosis	6.10
Coefficient of Variability	0.78
Minimum	0.25
Maximum	1,289.69
Range Width	1,289.43
Mean Standard Error	0.55

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.25
95%	20.71
90%	33.00
85%	44.55
80%	55.66
75%	66.42
70%	78.05
65%	90.41
60%	102.58
55%	115.45
50%	129.67
45%	143.83
40%	159.15
35%	176.46
30%	195.97
25%	218.46
20%	245.89
15%	279.25
10%	324.78
5%	399.05
0%	1,289.69

Forecast: Largest Oil Field

Summary:
Entire range is from 1.61 to 999.77
After 50,000 trials, the standard error of the mean is 0.86



Statistics:	Forecast values
Trials	50,000
Mean	233.57
Median	174.28
Mode	---
Standard Deviation	191.98
Variance	36,855.55
Skewness	1.55
Kurtosis	5.28
Coefficient of Variability	0.82
Minimum	1.61
Maximum	999.77
Range Width	998.16
Mean Standard Error	0.86

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	1.61
95%	38.25
90%	55.63
85%	70.34
80%	83.84
75%	97.41
70%	111.47
65%	125.67
60%	140.50
55%	156.61
50%	174.28
45%	192.96
40%	215.05
35%	241.10
30%	272.11
25%	308.37
20%	354.54
15%	413.63
10%	504.24
5%	654.12
0%	999.77

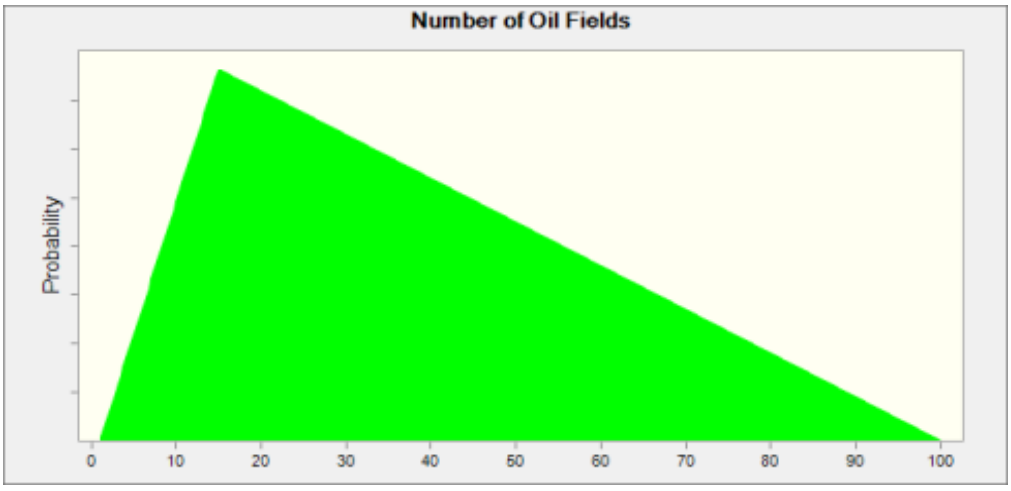
End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:

Minimum	1
Likeliest	15
Maximum	100



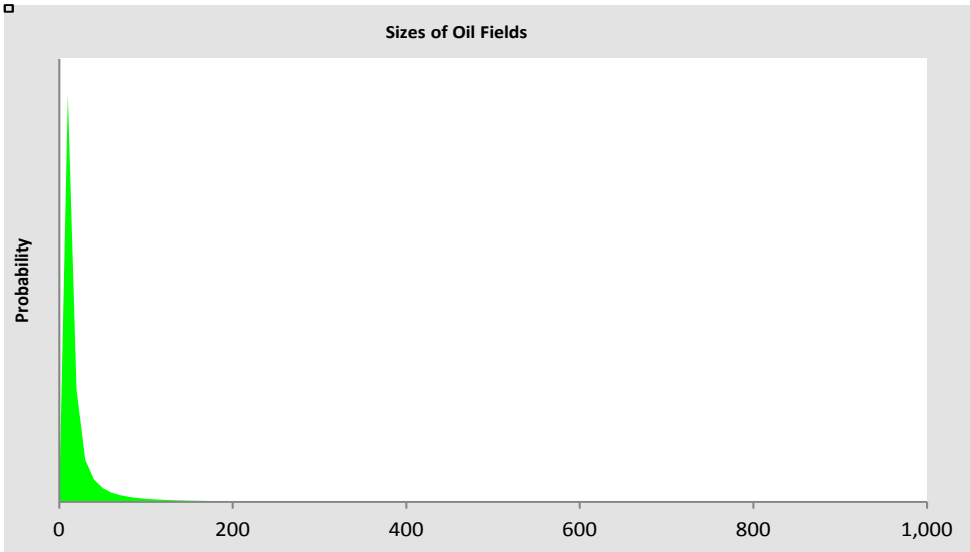
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean		39
Median		35
Mode		15
Standard Deviation		22
Variance		478
Skewness		0.5225
Kurtosis		5.40
Coefficient of Variability		0.5657
Minimum		1
Maximum		100
Range Width		99
Mean Standard Error		---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%		1
95%		9
90%		13
85%		15
80%		18
75%		21
70%		23
65%		26
60%		29
55%		32
50%		35
45%		38
40%		42
35%		46
30%		50
25%		54
20%		59
15%		64
10%		71
5%		79
0%		100

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	23.61	24.61
Standard Deviation	89.89	89.89
Selected range is from -Infinity to 999.00		1.00 to 1,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean		22.99
Median		6.99
Mode		---
Standard Deviation		55.55
Variance		3,085.25
Skewness		7.41
Kurtosis		80.54
Coefficient of Variability		2.42
Minimum		1.00
Maximum		1,000.00
Range Width		999.00
Mean Standard Error		---

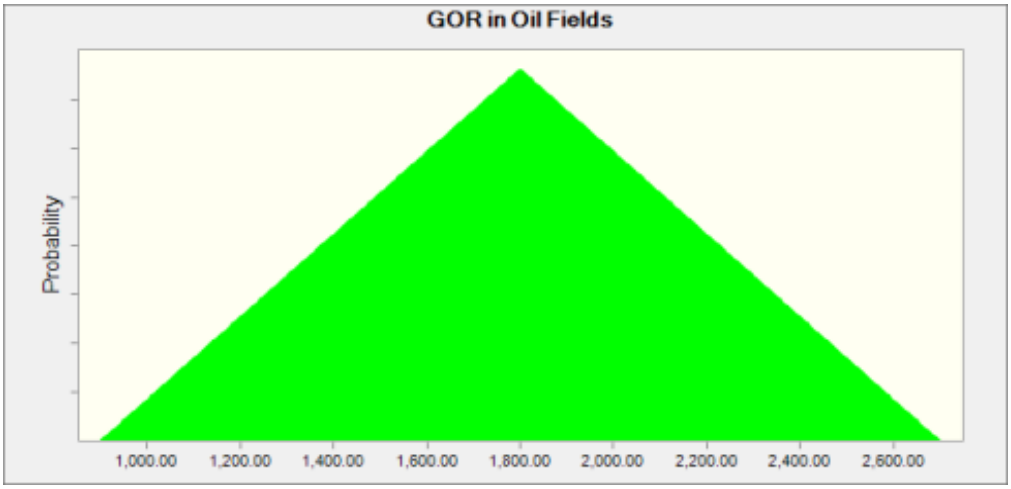
Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%		1.00
95%		1.39
90%		1.72
85%		2.08
80%		2.49
75%		2.96
70%		3.51
65%		4.17
60%		4.94
55%		5.86
50%		6.99
45%		8.37
40%		10.10
35%		12.32
30%		15.25
25%		19.25
20%		25.05
15%		34.16
10%		50.63
5%		90.96
0%		1,000.00

Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	900.00
Likeliest	1,800.00
Maximum	2,700.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean		1,800.00
Median		1,800.00
Mode		1,800.00
Standard Deviation		367.42
Variance		135,000.00
Skewness		0.00
Kurtosis		5.40
Coefficient of Variability		0.2041
Minimum		900.00
Maximum		2,700.00
Range Width		1,800.00
Mean Standard Error		---

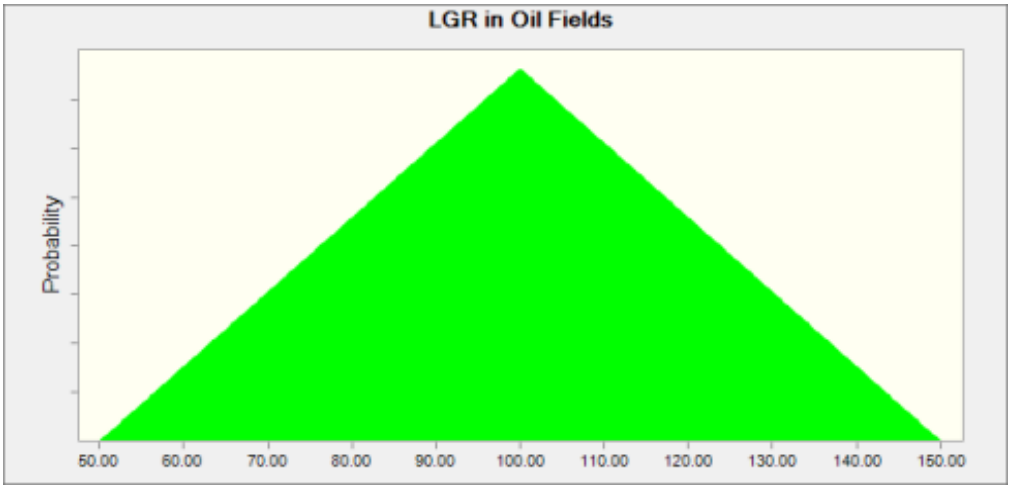
Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%		900.00
95%		1,184.60
90%		1,302.49
85%		1,392.95
80%		1,469.21
75%		1,536.40
70%		1,597.14
65%		1,652.99
60%		1,704.98
55%		1,753.81
50%		1,800.00
45%		1,846.19
40%		1,895.02
35%		1,947.01
30%		2,002.86
25%		2,063.60
20%		2,130.79
15%		2,207.05
10%		2,297.51
5%		2,415.40
0%		2,700.00

Assumption: LGR in Oil Fields

Triangular distribution with parameters:

Minimum	50.00
Likeliest	100.00
Maximum	150.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean		100.00
Median		100.00
Mode		100.00
Standard Deviation		20.41
Variance		416.67
Skewness		0.00
Kurtosis		5.40
Coefficient of Variability		0.2041
Minimum		50.00
Maximum		150.00
Range Width		100.00
Mean Standard Error		---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%		50.00
95%		65.81
90%		72.36
85%		77.39
80%		81.62
75%		85.36
70%		88.73
65%		91.83
60%		94.72
55%		97.43
50%		100.00
45%		102.57
40%		105.28
35%		108.17
30%		111.27
25%		114.64
20%		118.38
15%		122.61
10%		127.64
5%		134.19
0%		150.00

End of Assumptions

Simulation started on 10/20/04 at 13:52:01
Simulation stopped on 10/20/04 at 13:55:23