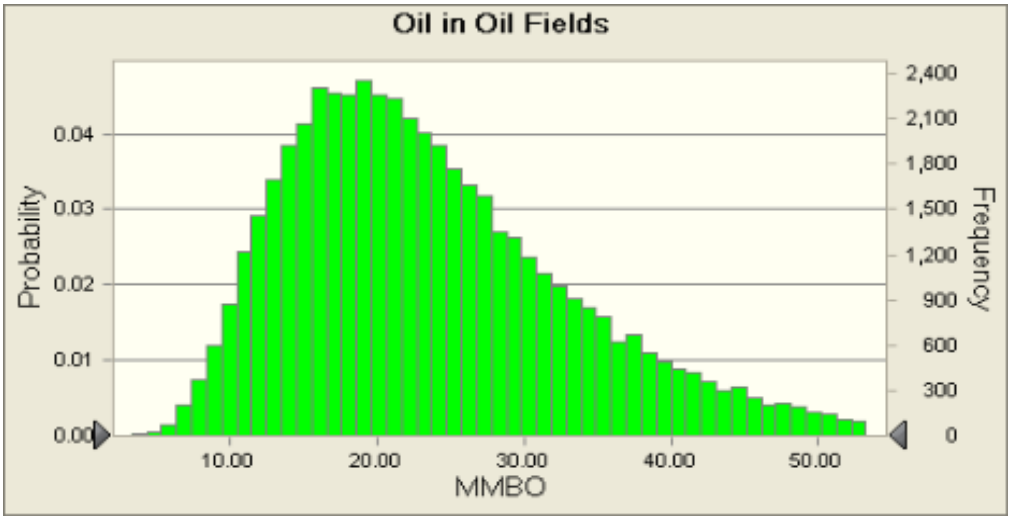
60550103
Dorsal de Neuquen Structures
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 3.24 to 100.77
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.05



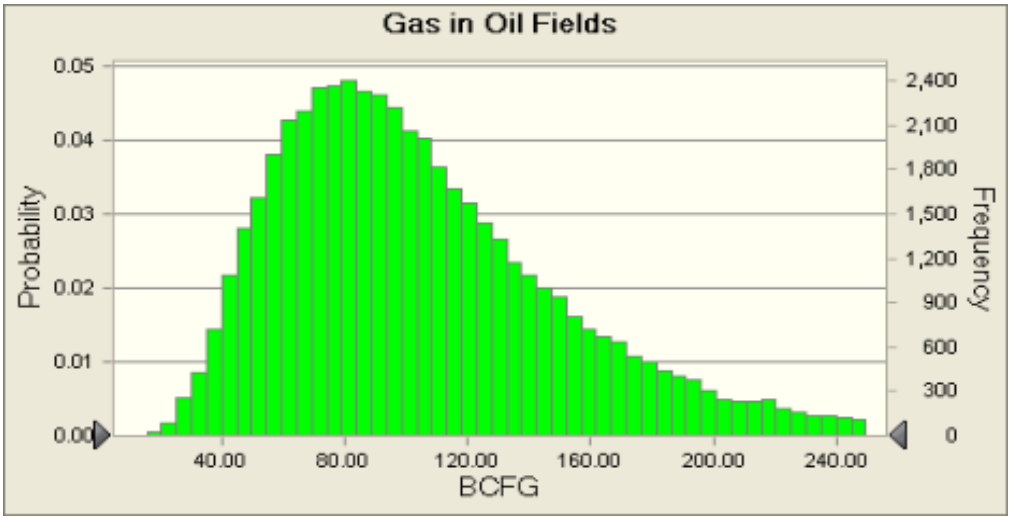
Statistics:	Forecast values
Trials	50,000
Mean	23.96
Median	22.00
Mode	---
Standard Deviation	10.46
Variance	109.45
Skewness	1.13
Kurtosis	4.90
Coefficient of Variability	0.4366
Minimum	3.24
Maximum	100.77
Range Width	97.53
Mean Standard Error	0.05

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	3.24
95%	10.68
90%	12.54
85%	13.98
80%	15.24
75%	16.36
70%	17.49
65%	18.62
60%	19.71
55%	20.84
50%	22.00
45%	23.25
40%	24.57
35%	26.00
30%	27.59
25%	29.48
20%	31.70
15%	34.42
10%	38.03
5%	44.00
0%	100.77

Forecast: Gas in Oil Fields

Summary:
Entire range is from 10.37 to 751.21
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.23



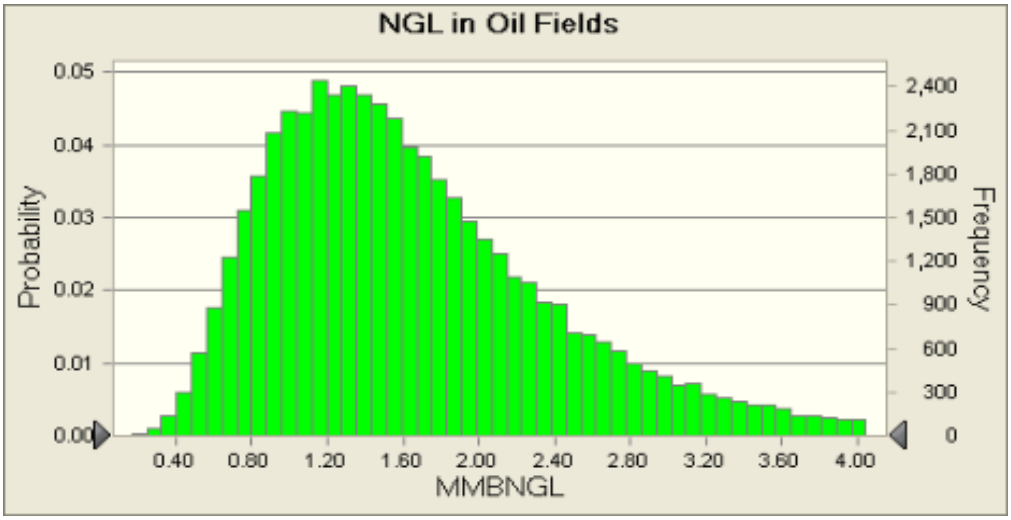
Statistics:	Forecast values
Trials	50,000
Mean	106.69
Median	96.46
Mode	---
Standard Deviation	51.10
Variance	2,611.45
Skewness	1.35
Kurtosis	6.19
Coefficient of Variability	0.4790
Minimum	10.37
Maximum	751.21
Range Width	740.85
Mean Standard Error	0.23

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	10.37
95%	44.08
90%	52.61
85%	59.12
80%	64.85
75%	70.28
70%	75.58
65%	80.65
60%	85.74
55%	91.02
50%	96.46
45%	102.18
40%	108.31
35%	115.26
30%	122.82
25%	131.61
20%	142.32
15%	155.51
10%	173.69
5%	204.64
0%	751.21

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.17 to 10.52
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.00



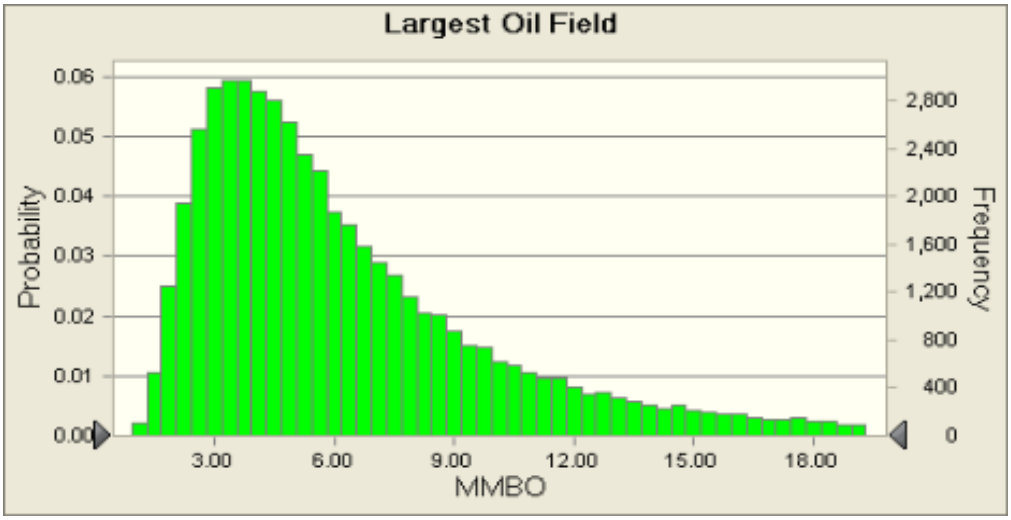
Statistics:	Forecast values
Trials	50,000
Mean	1.69
Median	1.52
Mode	---
Standard Deviation	0.84
Variance	0.71
Skewness	1.47
Kurtosis	6.72
Coefficient of Variability	0.4978
Minimum	0.17
Maximum	10.52
Range Width	10.35
Mean Standard Error	0.00

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.17
95%	0.68
90%	0.81
85%	0.92
80%	1.01
75%	1.10
70%	1.18
65%	1.26
60%	1.35
55%	1.43
50%	1.52
45%	1.61
40%	1.71
35%	1.82
30%	1.94
25%	2.09
20%	2.26
15%	2.48
10%	2.78
5%	3.29
0%	10.52

Forecast: Largest Oil Field

Summary:
Entire range is from 0.90 to 29.99
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.02



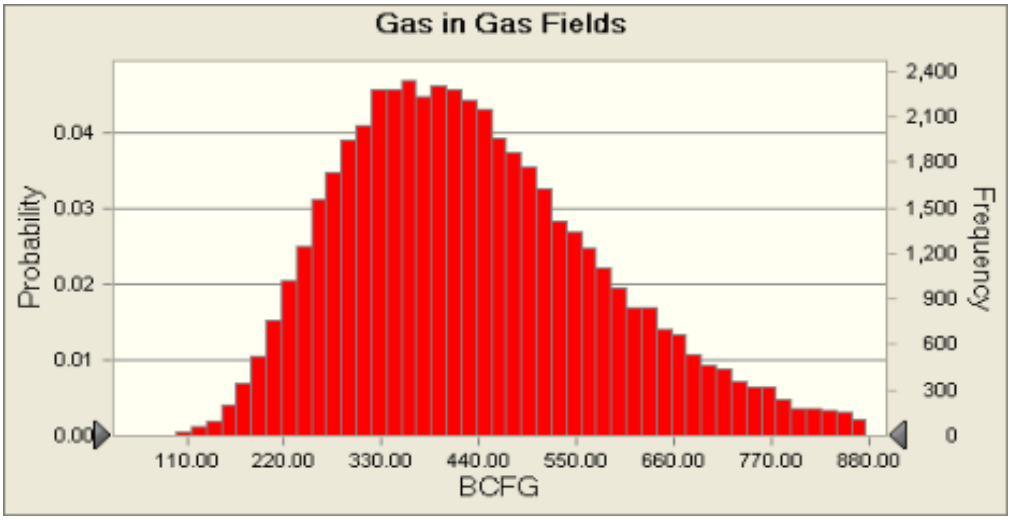
Statistics:	Forecast values
Trials	50,000
Mean	6.62
Median	5.26
Mode	---
Standard Deviation	4.54
Variance	20.60
Skewness	1.91
Kurtosis	7.41
Coefficient of Variability	0.6859
Minimum	0.90
Maximum	29.99
Range Width	29.09
Mean Standard Error	0.02

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	0.90
95%	2.16
90%	2.59
85%	2.93
80%	3.25
75%	3.56
70%	3.88
65%	4.21
60%	4.53
55%	4.88
50%	5.26
45%	5.69
40%	6.17
35%	6.72
30%	7.36
25%	8.12
20%	9.10
15%	10.44
10%	12.41
5%	16.10
0%	29.99

Forecast: Gas in Gas Fields

Summary:
Entire range is from 47.34 to 1,326.31
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.70



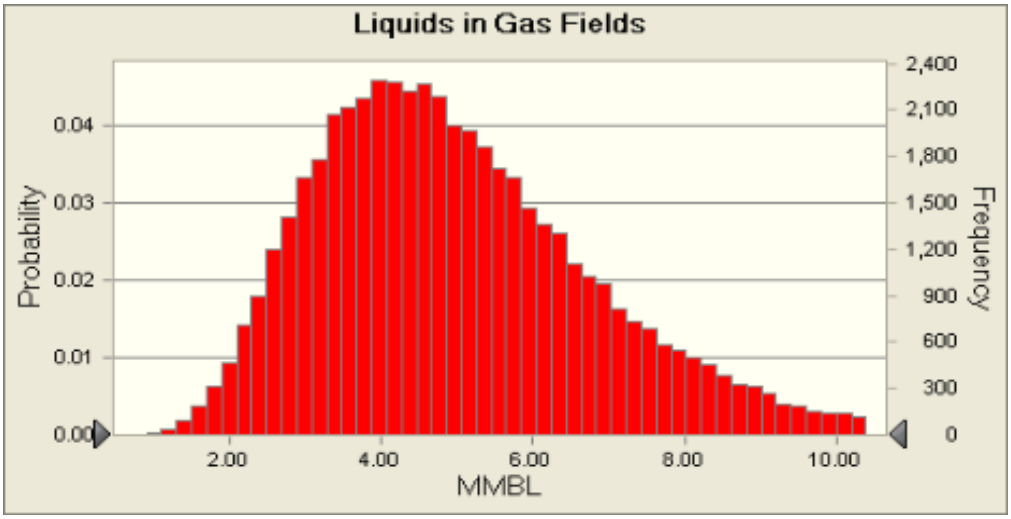
Statistics:	Forecast values
Trials	50,000
Mean	439.65
Median	418.28
Mode	---
Standard Deviation	156.28
Variance	24,422.61
Skewness	0.8131
Kurtosis	3.85
Coefficient of Variability	0.3555
Minimum	47.34
Maximum	1,326.31
Range Width	1,278.97
Mean Standard Error	0.70

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	47.34
95%	225.52
90%	259.04
85%	283.98
80%	305.95
75%	325.77
70%	344.13
65%	362.38
60%	381.08
55%	399.70
50%	418.28
45%	437.32
40%	456.93
35%	478.69
30%	502.76
25%	529.56
20%	560.79
15%	599.43
10%	650.18
5%	730.84
0%	1,326.31

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.69 to 18.45
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.01



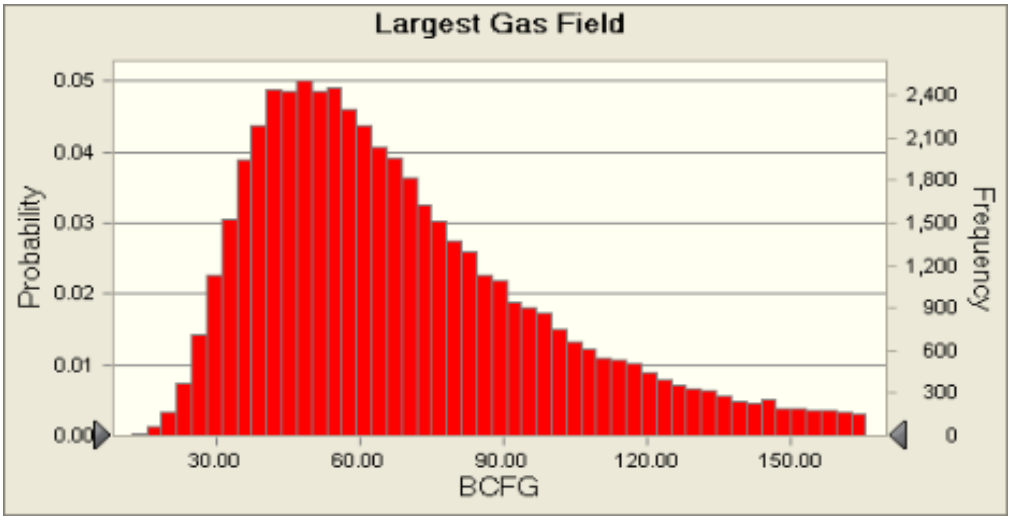
Statistics:	Forecast values
Trials	50,000
Mean	5.02
Median	4.73
Mode	---
Standard Deviation	1.92
Variance	3.69
Skewness	0.8857
Kurtosis	4.09
Coefficient of Variability	0.3824
Minimum	0.69
Maximum	18.45
Range Width	17.76
Mean Standard Error	0.01

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.69
95%	2.43
90%	2.83
85%	3.13
80%	3.39
75%	3.63
70%	3.85
65%	4.07
60%	4.29
55%	4.51
50%	4.73
45%	4.96
40%	5.22
35%	5.48
30%	5.77
25%	6.11
20%	6.49
15%	6.97
10%	7.62
5%	8.61
0%	18.45

Forecast: Largest Gas Field

Summary:
Entire range is from 12.19 to 199.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.15



Statistics:	Forecast values
Trials	50,000
Mean	70.86
Median	62.59
Mode	---
Standard Deviation	33.97
Variance	1,153.69
Skewness	1.21
Kurtosis	4.34
Coefficient of Variability	0.4794
Minimum	12.19
Maximum	199.87
Range Width	187.68
Mean Standard Error	0.15

Forecast: Largest Gas Field (continued)

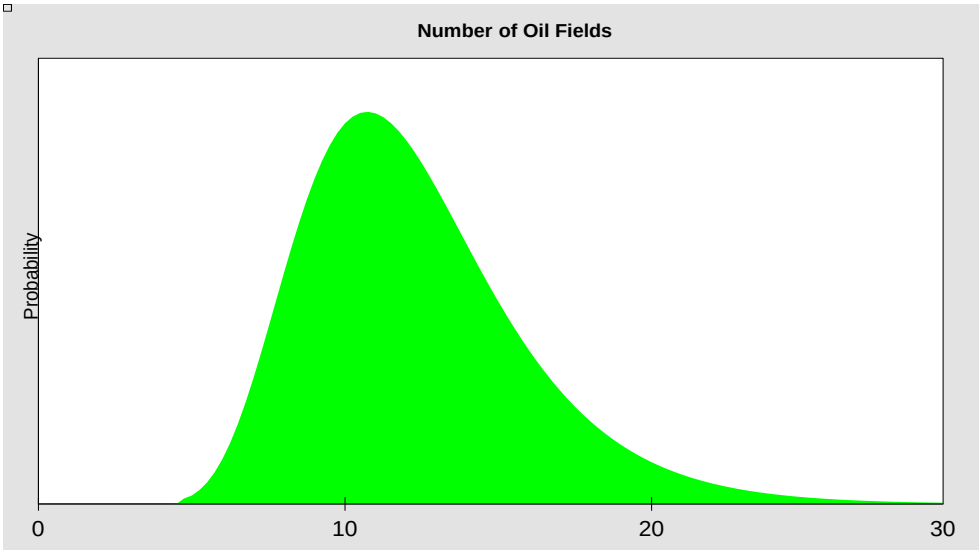
Percentiles:	BCFG
100%	12.19
95%	31.12
90%	35.90
85%	39.62
80%	42.85
75%	46.08
70%	49.23
65%	52.44
60%	55.66
55%	59.04
50%	62.59
45%	66.50
40%	70.60
35%	75.32
30%	80.75
25%	87.13
20%	94.87
15%	104.59
10%	118.44
5%	141.87
0%	199.87

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	11.55	12.55
Standard Deviation	3.72	3.72
Selected range is from -Infinity to 29.00		1.00 to 30.00



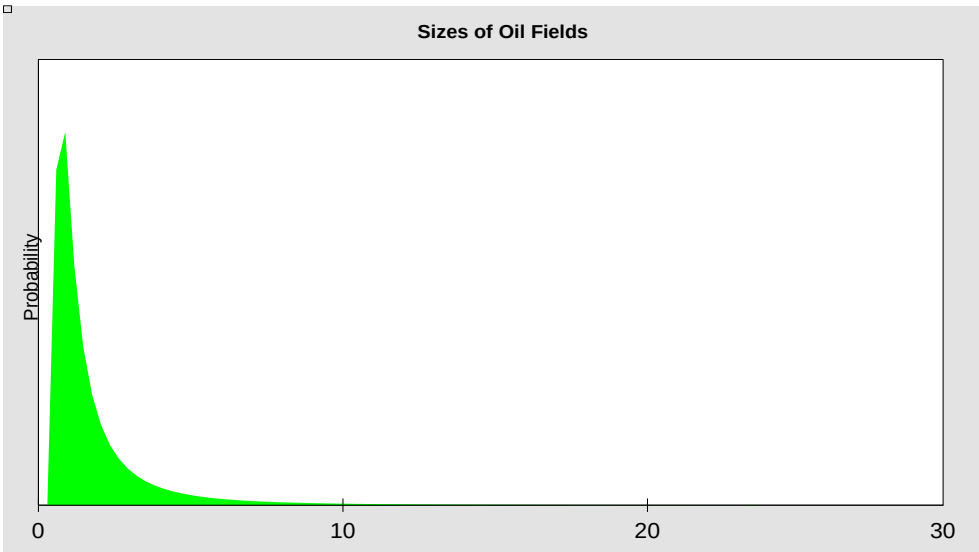
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	12.55	12.53
Median	12.01	12.00
Mode	---	---
Standard Deviation	3.65	3.66
Variance	13.35	13.41
Skewness	0.8684	0.8823
Kurtosis	4.08	4.08
Coefficient of Variability	0.2913	0.2921
Minimum	4.01	1.00
Maximum	29.83	30.00
Range Width	25.81	29.00
Mean Standard Error	0.02	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.01	1.00
95%	7.55	7.56
90%	8.36	8.36
85%	8.95	8.94
80%	9.47	9.45
75%	9.93	9.90
70%	10.35	10.33
65%	10.77	10.74
60%	11.18	11.16
55%	11.59	11.57
50%	12.01	12.00
45%	12.46	12.44
40%	12.93	12.90
35%	13.43	13.41
30%	13.97	13.96
25%	14.59	14.58
20%	15.34	15.31
15%	16.24	16.21
10%	17.41	17.42
5%	19.34	19.38
0%	29.83	30.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1.46	1.96
Standard Deviation	2.66	2.66
Selected range is from -Infinity to 29.50		0.50 to 30.00



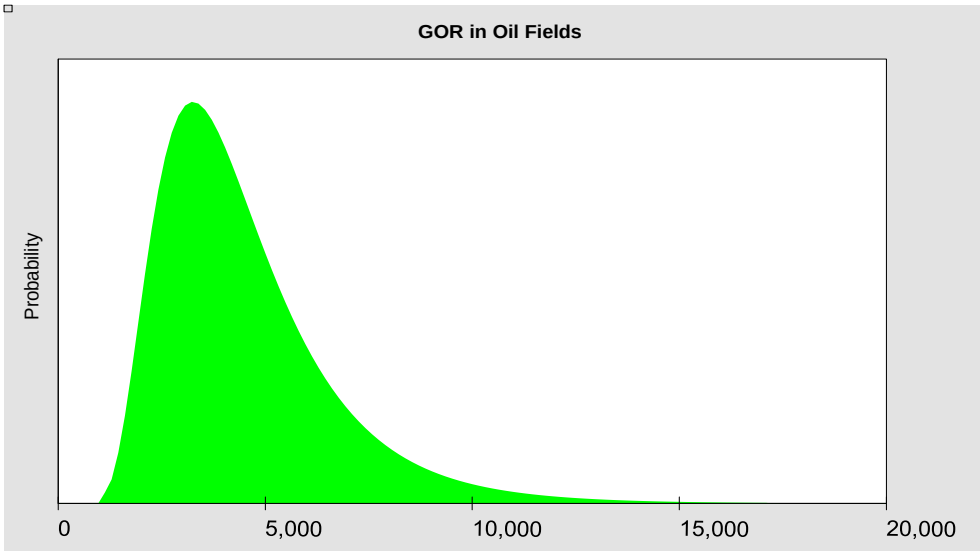
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1.92	1.91
Median	1.20	1.20
Mode	---	---
Standard Deviation	2.22	2.21
Variance	4.92	4.88
Skewness	4.67	4.66
Kurtosis	34.95	35.09
Coefficient of Variability	1.16	1.15
Minimum	0.50	0.50
Maximum	29.85	30.00
Range Width	29.34	29.50
Mean Standard Error	0.01	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	0.50	0.50
95%	0.60	0.60
90%	0.65	0.65
85%	0.70	0.70
80%	0.75	0.75
75%	0.81	0.81
70%	0.87	0.87
65%	0.94	0.94
60%	1.02	1.01
55%	1.11	1.10
50%	1.20	1.20
45%	1.32	1.31
40%	1.46	1.45
35%	1.62	1.61
30%	1.82	1.82
25%	2.09	2.08
20%	2.44	2.43
15%	2.96	2.94
10%	3.80	3.78
5%	5.52	5.57
0%	29.85	30.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	4,068.50	4,468.50
Standard Deviation	2,142.10	2,142.10
Selected range is from -Infinity to 16,600.00		400.00 to 17,000.00



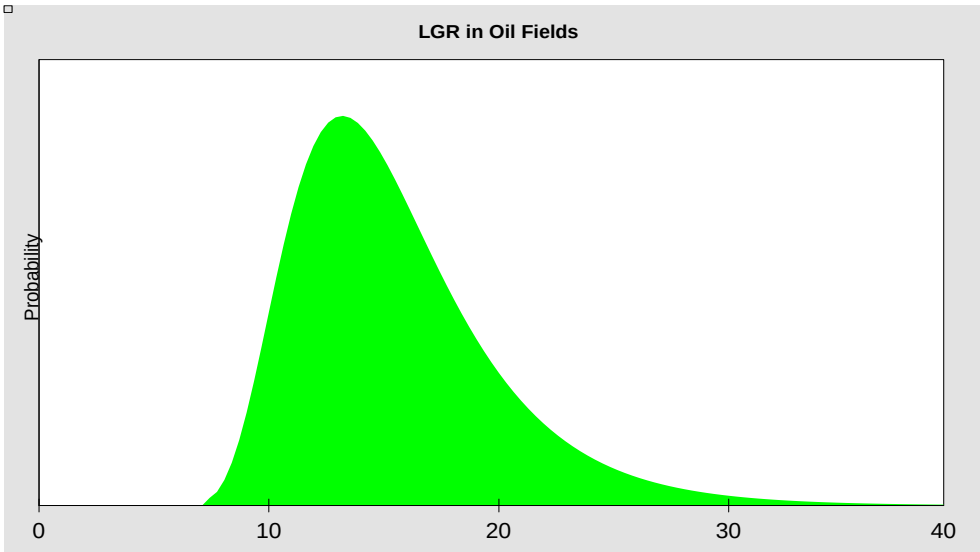
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	4,451.54	4,453.32
Median	3,998.95	3,997.77
Mode	---	---
Standard Deviation	2,090.05	2,087.07
Variance	4,368,321.43	4,355,852.12
Skewness	1.47	1.46
Kurtosis	6.17	6.18
Coefficient of Variability	0.4695	0.4687
Minimum	818.71	400.00
Maximum	16,886.76	17,000.00
Range Width	16,068.05	16,600.00
Mean Standard Error	9.35	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	818.71	400.00
95%	1,992.91	1,995.31
90%	2,301.79	2,309.29
85%	2,549.93	2,555.33
80%	2,769.53	2,773.28
75%	2,970.44	2,977.73
70%	3,174.55	3,176.28
65%	3,374.75	3,373.88
60%	3,574.78	3,574.35
55%	3,776.93	3,781.14
50%	3,998.89	3,997.77
45%	4,226.81	4,228.24
40%	4,477.37	4,477.50
35%	4,757.72	4,752.12
30%	5,057.73	5,061.48
25%	5,411.48	5,419.86
20%	5,838.76	5,851.16
15%	6,379.62	6,400.27
10%	7,163.03	7,168.80
5%	8,499.22	8,485.20
0%	16,886.76	17,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	10.86	15.86
Standard Deviation	4.59	4.59
Selected range is from -Infinity to 35.00		5.00 to 40.00



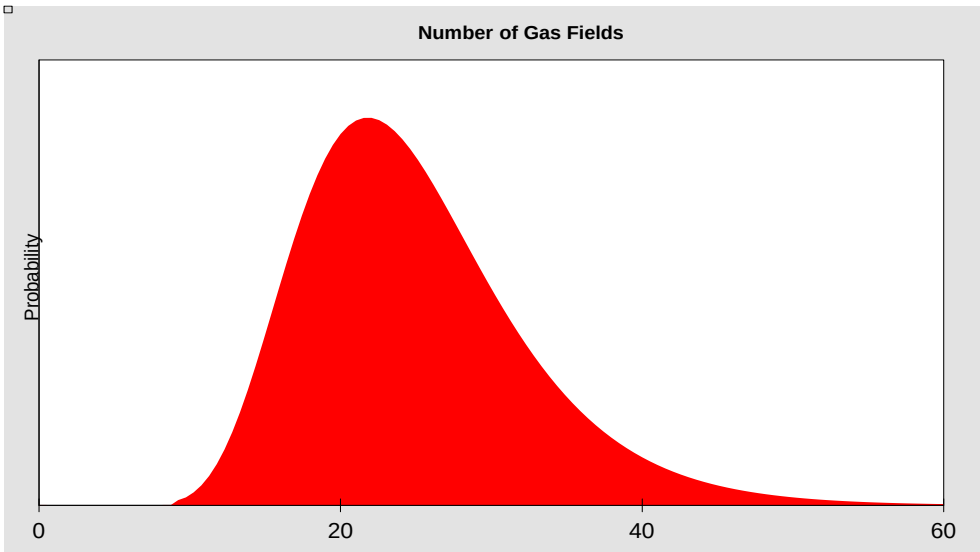
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	15.81	15.83
Median	14.99	14.99
Mode	---	---
Standard Deviation	4.47	4.50
Variance	20.01	20.24
Skewness	1.15	1.17
Kurtosis	4.95	4.99
Coefficient of Variability	0.2829	0.2842
Minimum	6.73	5.00
Maximum	40.00	40.00
Range Width	33.27	35.00
Mean Standard Error	0.02	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.73	5.00
95%	10.12	10.13
90%	10.95	10.95
85%	11.57	11.57
80%	12.11	12.11
75%	12.60	12.61
70%	13.06	13.08
65%	13.54	13.55
60%	14.02	14.02
55%	14.49	14.50
50%	14.99	14.99
45%	15.51	15.52
40%	16.08	16.07
35%	16.70	16.68
30%	17.36	17.36
25%	18.13	18.13
20%	19.04	19.05
15%	20.16	20.20
10%	21.67	21.78
5%	24.34	24.41
0%	40.00	40.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	24.09	25.09
Standard Deviation	7.52	7.52
Selected range is from -Infinity to 59.00		1.00 to 60.00



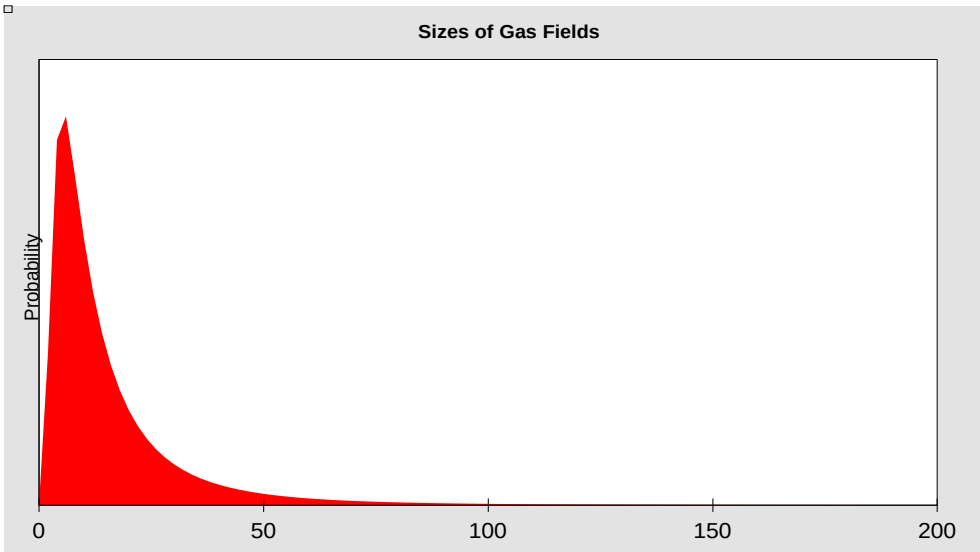
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	25.06	25.05
Median	24.04	23.99
Mode	---	---
Standard Deviation	7.40	7.41
Variance	54.71	54.94
Skewness	0.8319	0.8555
Kurtosis	3.94	4.01
Coefficient of Variability	0.2951	0.2959
Minimum	6.89	1.00
Maximum	59.97	60.00
Range Width	53.08	59.00
Mean Standard Error	0.03	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.89	1.00
95%	14.90	14.93
90%	16.55	16.56
85%	17.74	17.77
80%	18.78	18.79
75%	19.71	19.72
70%	20.58	20.60
65%	21.44	21.44
60%	22.29	22.28
55%	23.14	23.13
50%	24.04	23.99
45%	24.95	24.89
40%	25.91	25.84
35%	26.92	26.85
30%	28.00	27.97
25%	29.23	29.23
20%	30.70	30.70
15%	32.58	32.51
10%	34.95	34.94
5%	38.82	38.87
0%	59.97	60.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	14.82	17.82
Standard Deviation	19.39	19.39
Selected range is from -Infinity to 197.00		3.00 to 200.00



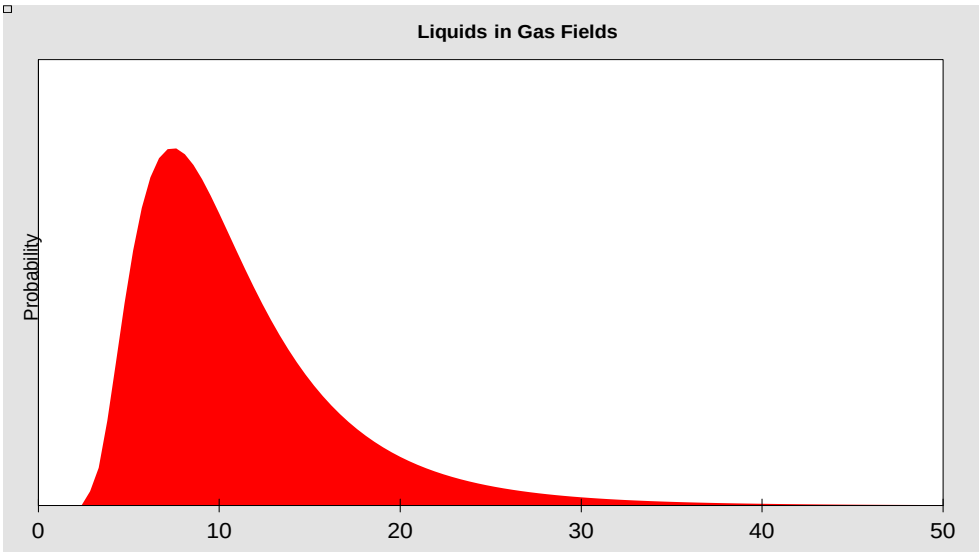
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	17.51	17.56
Median	12.00	11.99
Mode	---	---
Standard Deviation	17.15	17.38
Variance	293.99	302.13
Skewness	3.48	3.54
Kurtosis	21.13	21.81
Coefficient of Variability	0.98	0.99
Minimum	3.08	3.00
Maximum	196.72	200.00
Range Width	193.64	197.00
Mean Standard Error	0.08	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	3.08	3.00
95%	4.74	4.74
90%	5.51	5.50
85%	6.21	6.19
80%	6.91	6.88
75%	7.62	7.59
70%	8.35	8.33
65%	9.16	9.12
60%	10.04	9.98
55%	10.97	10.93
50%	12.00	11.99
45%	13.19	13.19
40%	14.53	14.57
35%	16.15	16.20
30%	18.16	18.16
25%	20.61	20.61
20%	23.71	23.80
15%	28.18	28.25
10%	35.13	35.20
5%	48.78	49.10
0%	196.72	200.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	9.46	11.46
Standard Deviation	5.98	5.98
Selected range is from -Infinity to 48.00		2.00 to 50.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	11.48	11.42
Median	10.02	9.99
Mode	---	---
Standard Deviation	5.87	5.79
Variance	34.48	33.47
Skewness	1.78	1.76
Kurtosis	7.73	7.65
Coefficient of Variability	0.5116	0.5067
Minimum	2.70	2.00
Maximum	49.91	50.00
Range Width	47.21	48.00
Mean Standard Error	0.03	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	2.70	2.00
95%	5.08	5.08
90%	5.80	5.80
85%	6.38	6.38
80%	6.91	6.91
75%	7.41	7.41
70%	7.90	7.90
65%	8.41	8.39
60%	8.92	8.90
55%	9.46	9.43
50%	10.02	9.99
45%	10.62	10.60
40%	11.32	11.26
35%	12.06	11.99
30%	12.90	12.83
25%	13.89	13.81
20%	15.11	15.01
15%	16.69	16.56
10%	18.95	18.77
5%	22.88	22.65
0%	49.91	50.00

End of Assumptions

Simulation started on 10/20/2008 at 16:50:44
Simulation stopped on 10/20/2008 at 17:08:42