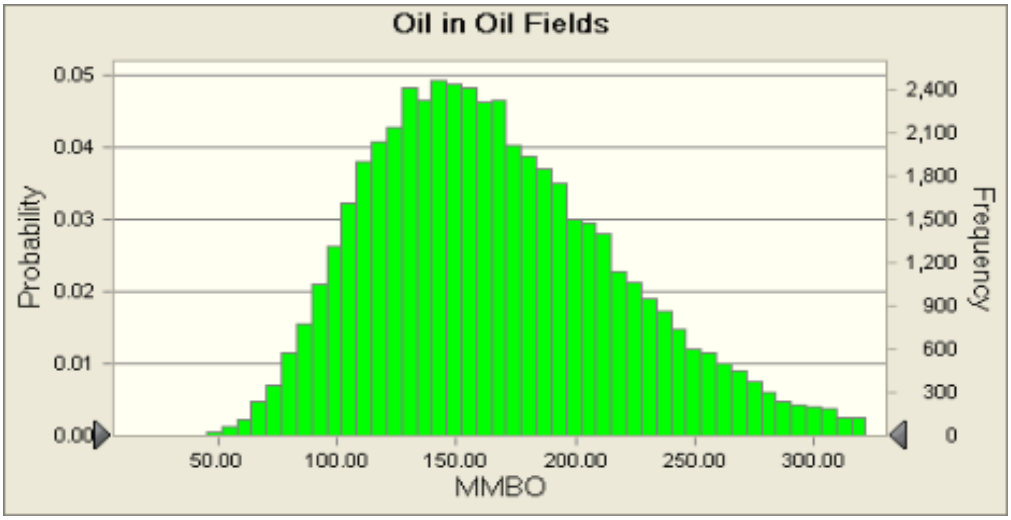
38170101
Kutei Basin Deltaics
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 8.68 to 492.44
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.25



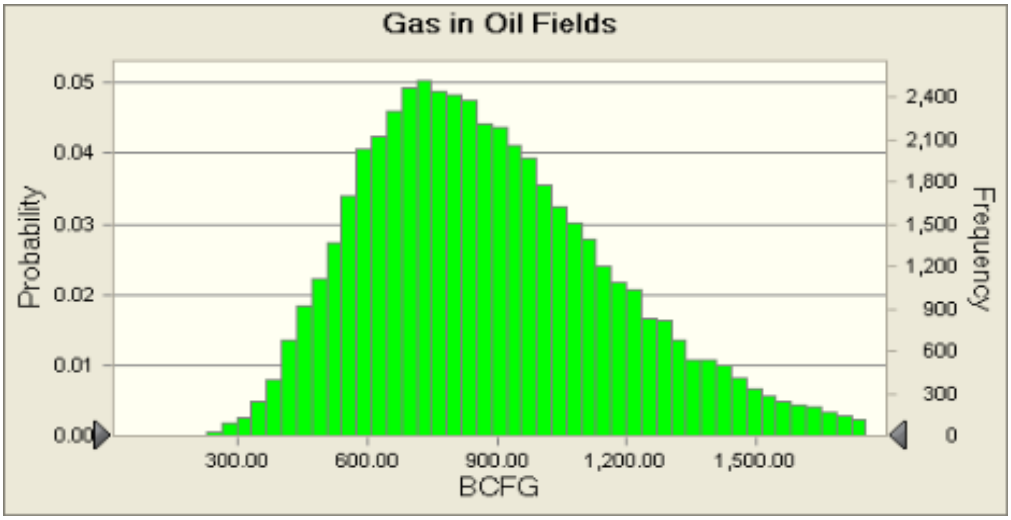
Statistics:	Forecast values
Trials	50,000
Mean	167.76
Median	160.26
Mode	---
Standard Deviation	55.03
Variance	3,028.81
Skewness	0.7676
Kurtosis	3.80
Coefficient of Variability	0.3281
Minimum	8.68
Maximum	492.44
Range Width	483.76
Mean Standard Error	0.25

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	8.68
95%	91.35
90%	103.70
85%	112.72
80%	120.44
75%	127.71
70%	134.23
65%	140.92
60%	147.33
55%	153.85
50%	160.26
45%	167.23
40%	174.30
35%	182.36
30%	190.90
25%	200.44
20%	211.22
15%	224.40
10%	241.63
5%	268.74
0%	492.44

Forecast: Gas in Oil Fields

Summary:
Entire range is from 53.10 to 2,830.40
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.38



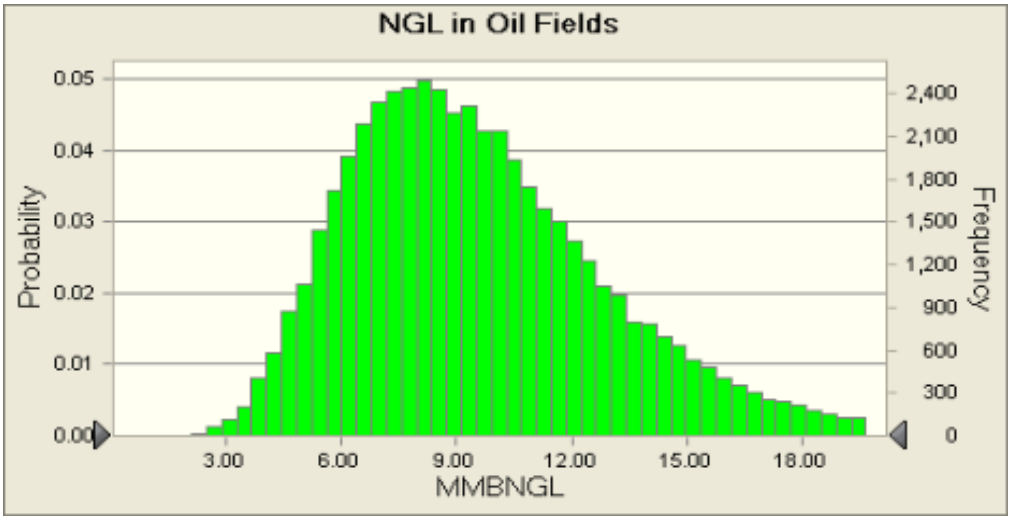
Statistics:	Forecast values
Trials	50,000
Mean	892.17
Median	847.02
Mode	---
Standard Deviation	307.90
Variance	94,801.71
Skewness	0.8563
Kurtosis	4.06
Coefficient of Variability	0.3451
Minimum	53.10
Maximum	2,830.40
Range Width	2,777.30
Mean Standard Error	1.38

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	53.10
95%	470.95
90%	540.01
85%	589.57
80%	630.29
75%	669.47
70%	705.57
65%	740.14
60%	775.02
55%	810.64
50%	847.01
45%	886.01
40%	925.51
35%	968.84
30%	1,015.95
25%	1,068.48
20%	1,128.83
15%	1,205.56
10%	1,303.11
5%	1,464.20
0%	2,830.40

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.55 to 36.03
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.02



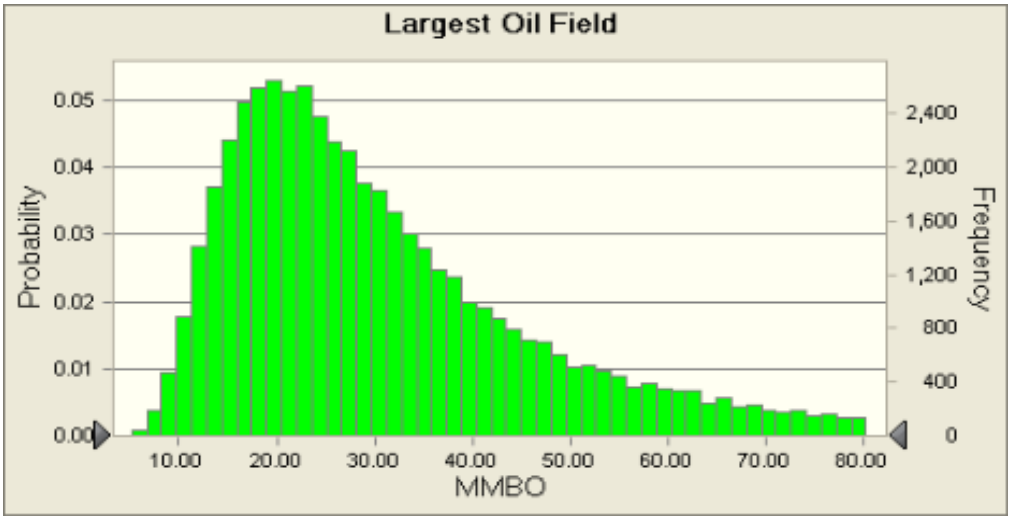
Statistics:	Forecast values
Trials	50,000
Mean	9.67
Median	9.13
Mode	---
Standard Deviation	3.57
Variance	12.72
Skewness	1.03
Kurtosis	4.83
Coefficient of Variability	0.3687
Minimum	0.55
Maximum	36.03
Range Width	35.48
Mean Standard Error	0.02

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.55
95%	4.94
90%	5.68
85%	6.22
80%	6.68
75%	7.11
70%	7.51
65%	7.91
60%	8.30
55%	8.70
50%	9.13
45%	9.55
40%	10.00
35%	10.48
30%	11.01
25%	11.62
20%	12.32
15%	13.21
10%	14.41
5%	16.28
0%	36.03

Forecast: Largest Oil Field

Summary:
Entire range is from 5.14 to 100.00
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.08



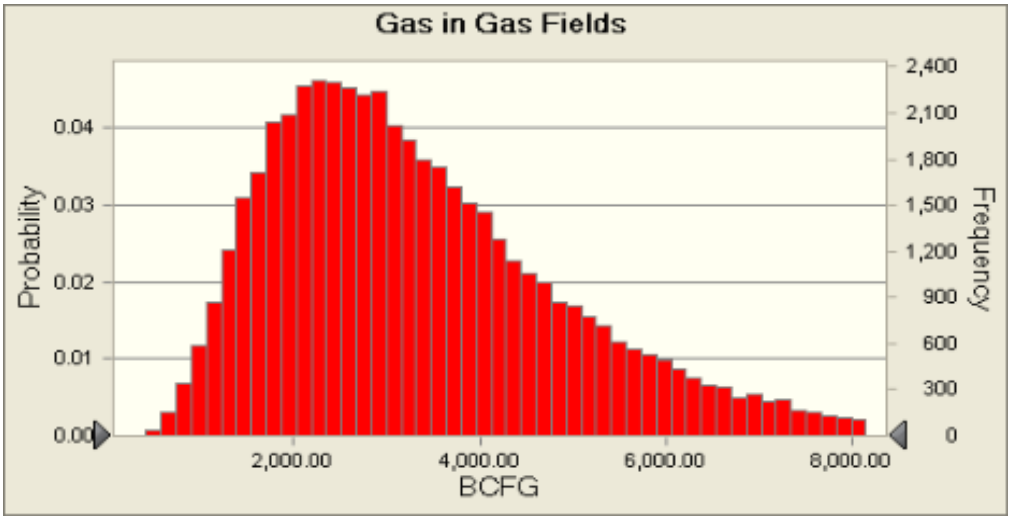
Statistics:	Forecast values
Trials	50,000
Mean	31.59
Median	26.91
Mode	---
Standard Deviation	17.36
Variance	301.52
Skewness	1.37
Kurtosis	4.81
Coefficient of Variability	0.5498
Minimum	5.14
Maximum	100.00
Range Width	94.86
Mean Standard Error	0.08

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	5.14
95%	12.32
90%	14.45
85%	16.16
80%	17.66
75%	19.16
70%	20.60
65%	22.09
60%	23.56
55%	25.17
50%	26.91
45%	28.81
40%	30.90
35%	33.18
30%	35.88
25%	39.12
20%	43.11
15%	48.36
10%	56.01
5%	68.33
0%	100.00

Forecast: Gas in Gas Fields

Summary:
Entire range is from 255.65 to 15,040.07
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 7.58



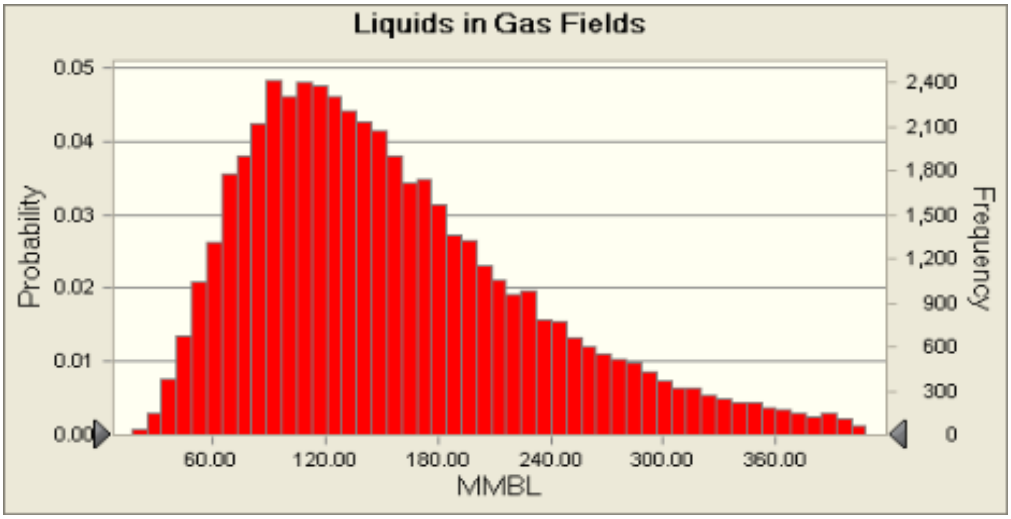
Statistics:	Forecast values
Trials	50,000
Mean	3,400.56
Median	3,056.28
Mode	---
Standard Deviation	1,693.94
Variance	2,869,445.44
Skewness	1.17
Kurtosis	4.95
Coefficient of Variability	0.4981
Minimum	255.65
Maximum	15,040.07
Range Width	14,784.42
Mean Standard Error	7.58

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	255.65
95%	1,298.64
90%	1,570.79
85%	1,791.92
80%	1,985.33
75%	2,163.12
70%	2,338.37
65%	2,512.60
60%	2,689.14
55%	2,873.90
50%	3,056.21
45%	3,259.90
40%	3,482.43
35%	3,718.48
30%	3,981.05
25%	4,278.10
20%	4,647.07
15%	5,099.39
10%	5,703.33
5%	6,651.71
0%	15,040.07

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 16.79 to 1,119.38
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.39



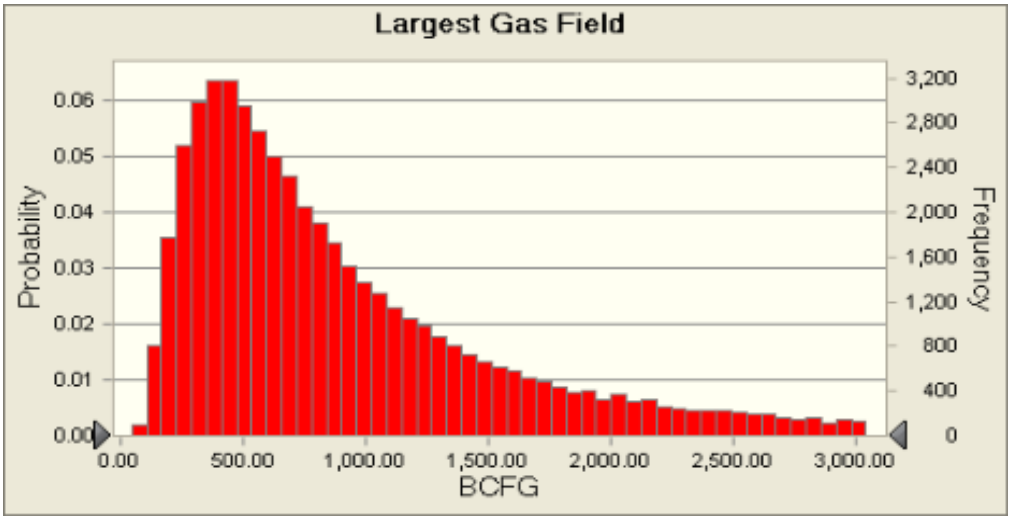
Statistics:	Forecast values
Trials	50,000
Mean	161.64
Median	142.66
Mode	---
Standard Deviation	88.02
Variance	7,747.18
Skewness	1.53
Kurtosis	7.10
Coefficient of Variability	0.5445
Minimum	16.79
Maximum	1,119.38
Range Width	1,102.59
Mean Standard Error	0.39

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	16.79
95%	58.28
90%	71.05
85%	81.62
80%	90.66
75%	99.04
70%	107.56
65%	116.02
60%	124.54
55%	133.29
50%	142.66
45%	152.12
40%	162.90
35%	174.30
30%	187.19
25%	202.41
20%	221.55
15%	244.50
10%	276.83
5%	330.60
0%	1,119.38

Forecast: Largest Gas Field

Summary:
Entire range is from 40.18 to 3,999.40
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 3.34



Statistics:	Forecast values
Trials	50,000
Mean	951.74
Median	710.84
Mode	---
Standard Deviation	746.74
Variance	557,623.33
Skewness	1.63
Kurtosis	5.55
Coefficient of Variability	0.7846
Minimum	40.18
Maximum	3,999.40
Range Width	3,959.22
Mean Standard Error	3.34

Forecast: Largest Gas Field (continued)

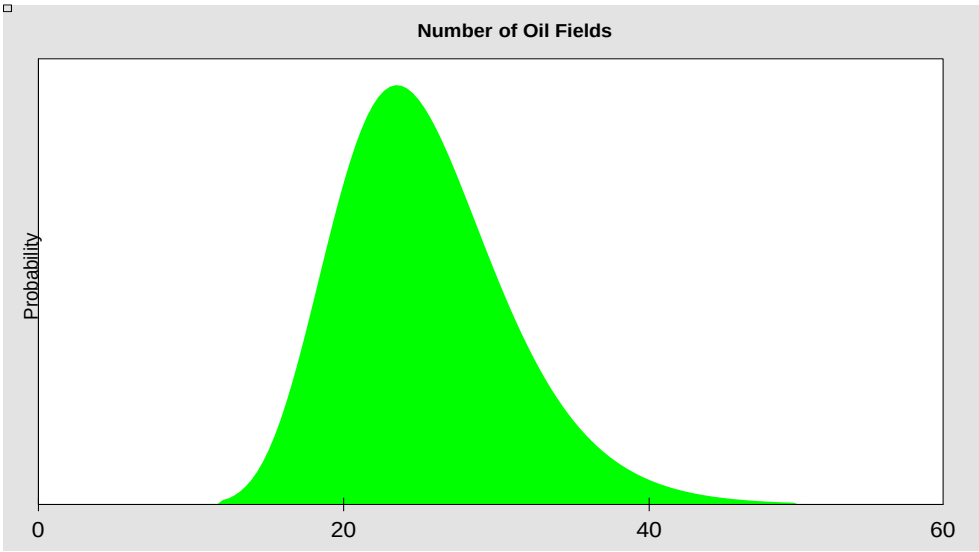
Percentiles:	BCFG
100%	40.18
95%	218.59
90%	279.44
85%	331.20
80%	379.91
75%	427.25
70%	476.58
65%	528.50
60%	584.95
55%	644.84
50%	710.84
45%	785.21
40%	867.78
35%	966.37
30%	1,084.03
25%	1,224.85
20%	1,400.94
15%	1,641.93
10%	2,006.48
5%	2,597.76
0%	3,999.40

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	24.65	25.65
Standard Deviation	5.77	5.77
Selected range is from -Infinity to 49.00		1.00 to 50.00



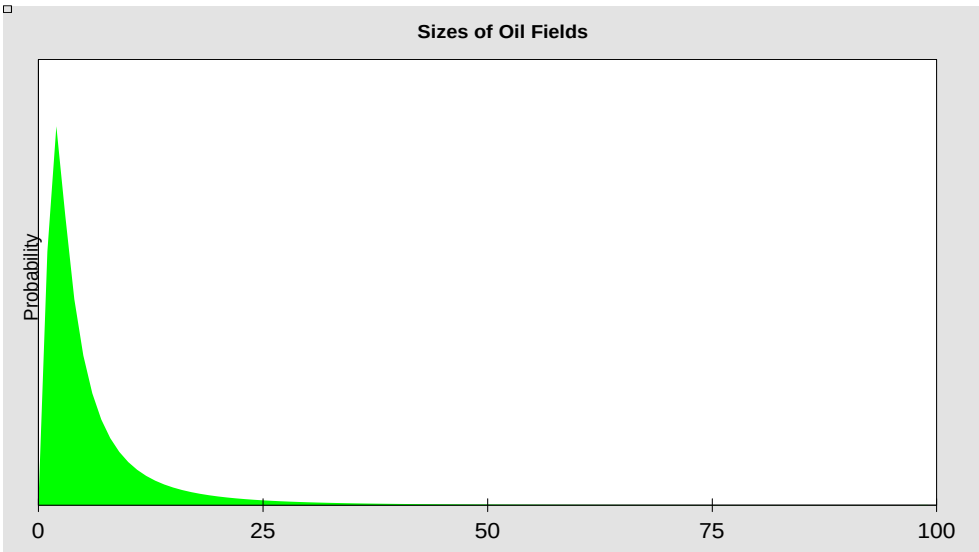
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	25.60	25.62
Median	24.97	24.99
Mode	---	---
Standard Deviation	5.71	5.71
Variance	32.57	32.55
Skewness	0.6320	0.6353
Kurtosis	3.46	3.51
Coefficient of Variability	0.2230	0.2227
Minimum	9.88	1.00
Maximum	49.80	50.00
Range Width	39.92	49.00
Mean Standard Error	0.03	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	9.88	1.00
95%	17.39	17.41
90%	18.82	18.85
85%	19.85	19.89
80%	20.71	20.76
75%	21.51	21.53
70%	22.24	22.26
65%	22.93	22.95
60%	23.60	23.63
55%	24.28	24.31
50%	24.97	24.99
45%	25.66	25.70
40%	26.39	26.44
35%	27.17	27.22
30%	28.02	28.08
25%	29.00	29.03
20%	30.11	30.13
15%	31.47	31.47
10%	33.25	33.23
5%	36.13	36.02
0%	49.80	50.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	5.69	6.69
Standard Deviation	9.17	9.17
Selected range is from -Infinity to 99.00		1.00 to 100.00



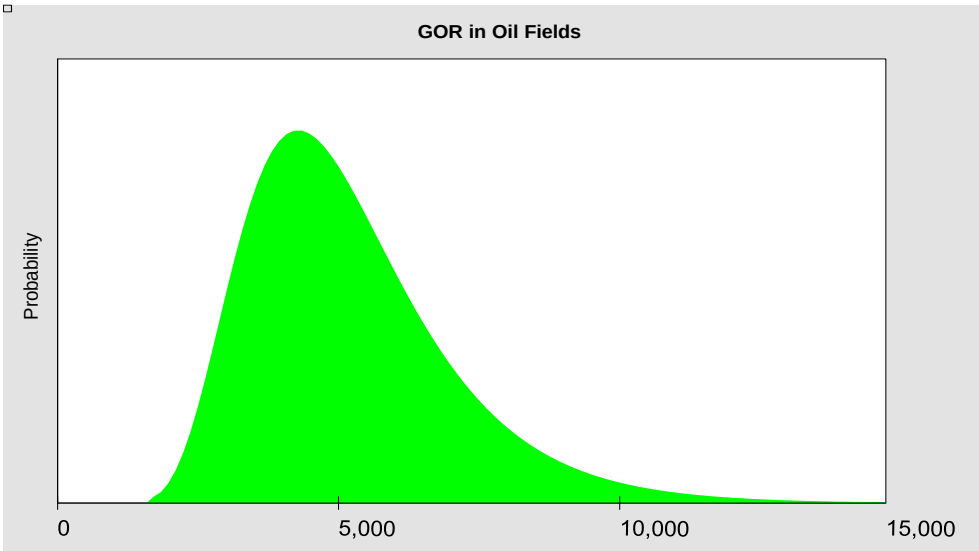
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	6.60	6.55
Median	4.00	4.00
Mode	---	---
Standard Deviation	8.00	7.87
Variance	63.94	62.00
Skewness	4.29	4.23
Kurtosis	30.36	29.55
Coefficient of Variability	1.21	1.20
Minimum	1.04	1.00
Maximum	100.00	100.00
Range Width	98.96	99.00
Mean Standard Error	0.04	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.04	1.00
95%	1.47	1.47
90%	1.70	1.70
85%	1.93	1.93
80%	2.16	2.16
75%	2.39	2.40
70%	2.65	2.66
65%	2.94	2.94
60%	3.24	3.25
55%	3.60	3.60
50%	4.00	4.00
45%	4.47	4.45
40%	5.01	4.99
35%	5.66	5.63
30%	6.46	6.42
25%	7.46	7.42
20%	8.80	8.75
15%	10.77	10.65
10%	13.87	13.72
5%	20.24	20.10
0%	100.00	100.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	4,834.47	5,334.47
Standard Deviation	1,898.26	1,898.26
Selected range is from -Infinity to 14,500.00		500.00 to 15,000.00



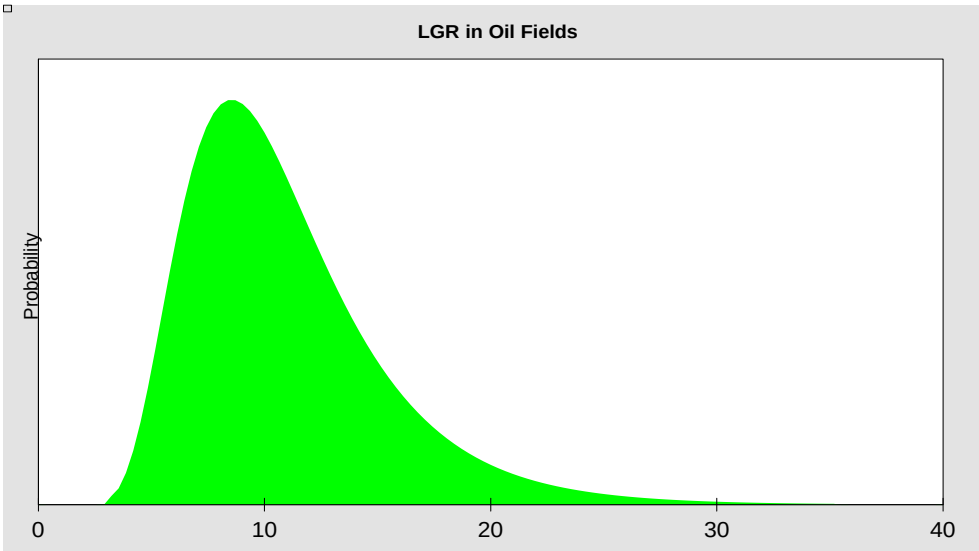
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	5,309.54	5,323.09
Median	4,983.33	4,997.86
Mode	---	---
Standard Deviation	1,864.62	1,864.13
Variance	3,476,811.89	3,474,983.94
Skewness	1.10	1.08
Kurtosis	4.76	4.69
Coefficient of Variability	0.3512	0.3502
Minimum	1,236.01	500.00
Maximum	14,997.37	15,000.00
Range Width	13,761.36	14,500.00
Mean Standard Error	8.34	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1,236.01	500.00
95%	2,906.74	2,913.43
90%	3,260.41	3,269.27
85%	3,532.22	3,538.53
80%	3,757.10	3,771.06
75%	3,970.17	3,984.67
70%	4,171.13	4,188.35
65%	4,372.31	4,387.68
60%	4,575.30	4,586.76
55%	4,783.41	4,789.04
50%	4,983.32	4,997.86
45%	5,202.04	5,216.82
40%	5,434.09	5,450.17
35%	5,678.97	5,703.44
30%	5,967.49	5,984.28
25%	6,284.87	6,304.24
20%	6,666.05	6,682.28
15%	7,142.98	7,153.60
10%	7,783.71	7,796.67
5%	8,833.62	8,860.01
0%	14,997.37	15,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	9.87	10.87
Standard Deviation	4.45	4.45
Selected range is from -Infinity to 34.00		1.00 to 35.00



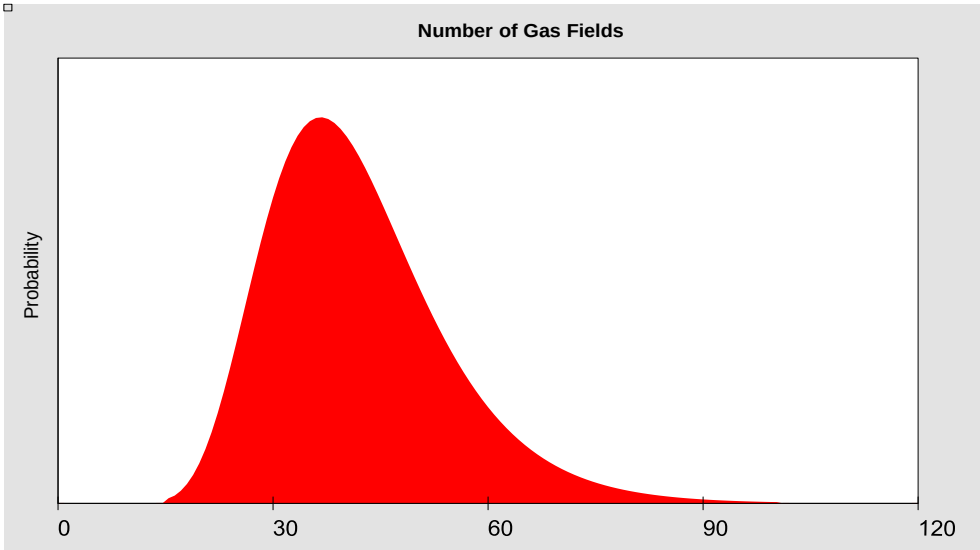
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	10.84	10.84
Median	9.98	10.00
Mode	---	---
Standard Deviation	4.38	4.36
Variance	19.22	18.98
Skewness	1.27	1.25
Kurtosis	5.39	5.28
Coefficient of Variability	0.4044	0.4018
Minimum	2.38	1.00
Maximum	34.86	35.00
Range Width	32.48	34.00
Mean Standard Error	0.02	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	2.38	1.00
95%	5.40	5.43
90%	6.18	6.18
85%	6.75	6.76
80%	7.24	7.26
75%	7.72	7.73
70%	8.16	8.18
65%	8.61	8.62
60%	9.07	9.07
55%	9.52	9.52
50%	9.98	10.00
45%	10.49	10.49
40%	11.03	11.03
35%	11.61	11.61
30%	12.26	12.27
25%	13.03	13.02
20%	13.92	13.91
15%	15.02	15.03
10%	16.57	16.58
5%	19.18	19.19
0%	34.86	35.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	40.81	41.81
Standard Deviation	12.59	12.59
Selected range is from -Infinity to 99.00		1.00 to 100.00



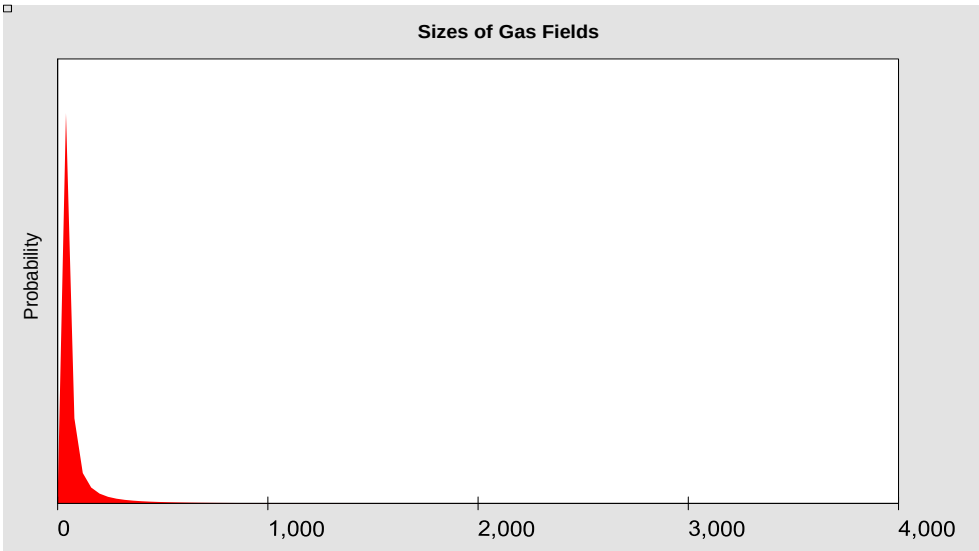
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	41.67	41.75
Median	39.90	39.99
Mode	---	---
Standard Deviation	12.35	12.41
Variance	152.41	154.05
Skewness	0.8381	0.8452
Kurtosis	3.96	3.99
Coefficient of Variability	0.2963	0.2973
Minimum	12.62	1.00
Maximum	99.98	100.00
Range Width	87.35	99.00
Mean Standard Error	0.06	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	12.62	1.00
95%	24.67	24.75
90%	27.50	27.50
85%	29.54	29.53
80%	31.24	31.25
75%	32.78	32.82
70%	34.25	34.29
65%	35.64	35.71
60%	37.06	37.12
55%	38.48	38.54
50%	39.90	39.99
45%	41.41	41.49
40%	43.04	43.08
35%	44.74	44.78
30%	46.67	46.65
25%	48.73	48.76
20%	51.04	51.22
15%	54.01	54.25
10%	58.07	58.30
5%	64.71	64.86
0%	99.98	100.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	82.98	88.98
Standard Deviation	373.44	373.44
Selected range is from -Infinity to 3,994.00		6.00 to 4,000.00



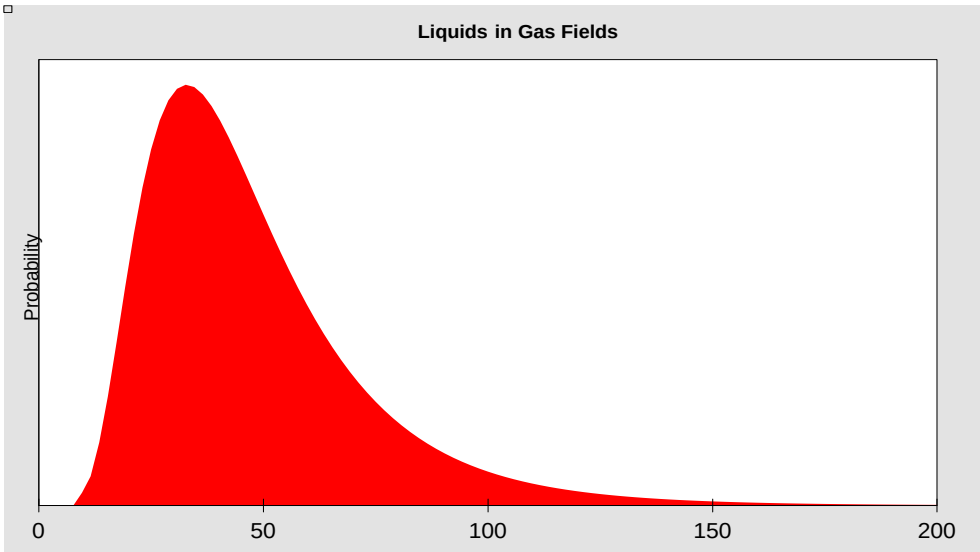
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	79.88	82.44
Median	23.77	23.96
Mode	---	---
Standard Deviation	205.15	210.46
Variance	42,086.35	44,294.81
Skewness	7.90	8.04
Kurtosis	89.46	93.22
Coefficient of Variability	2.57	2.55
Minimum	6.01	6.00
Maximum	3,999.40	4,000.00
Range Width	3,993.38	3,994.00
Mean Standard Error	0.92	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.01	6.00
95%	6.99	7.01
90%	7.88	7.91
85%	8.90	8.94
80%	10.07	10.13
75%	11.49	11.53
70%	13.16	13.19
65%	15.10	15.16
60%	17.46	17.54
55%	20.33	20.42
50%	23.77	23.96
45%	28.05	28.37
40%	33.59	33.95
35%	40.77	41.20
30%	50.25	50.86
25%	63.38	64.29
20%	82.37	84.00
15%	112.51	115.51
10%	169.05	173.66
5%	311.97	320.20
0%	3,999.40	4,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	45.73	47.73
Standard Deviation	25.35	25.35
Selected range is from -Infinity to 198.00		2.00 to 200.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	47.55	47.55
Median	42.16	41.97
Mode	---	---
Standard Deviation	24.56	24.65
Variance	603.15	607.70
Skewness	1.55	1.54
Kurtosis	6.58	6.54
Coefficient of Variability	0.5165	0.5185
Minimum	6.52	2.00
Maximum	199.46	200.00
Range Width	192.94	198.00
Mean Standard Error	0.11	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.52	2.00
95%	19.12	19.07
90%	22.68	22.60
85%	25.46	25.38
80%	28.03	27.86
75%	30.30	30.20
70%	32.53	32.48
65%	34.83	34.75
60%	37.18	37.07
55%	39.65	39.46
50%	42.16	41.97
45%	44.73	44.66
40%	47.54	47.57
35%	50.70	50.78
30%	54.23	54.42
25%	58.41	58.64
20%	63.63	63.75
15%	70.16	70.27
10%	79.18	79.44
5%	95.12	95.27
0%	199.46	200.00

End of Assumptions

Simulation started on 5/26/2009 at 13:57:14
Simulation stopped on 5/26/2009 at 14:36:48