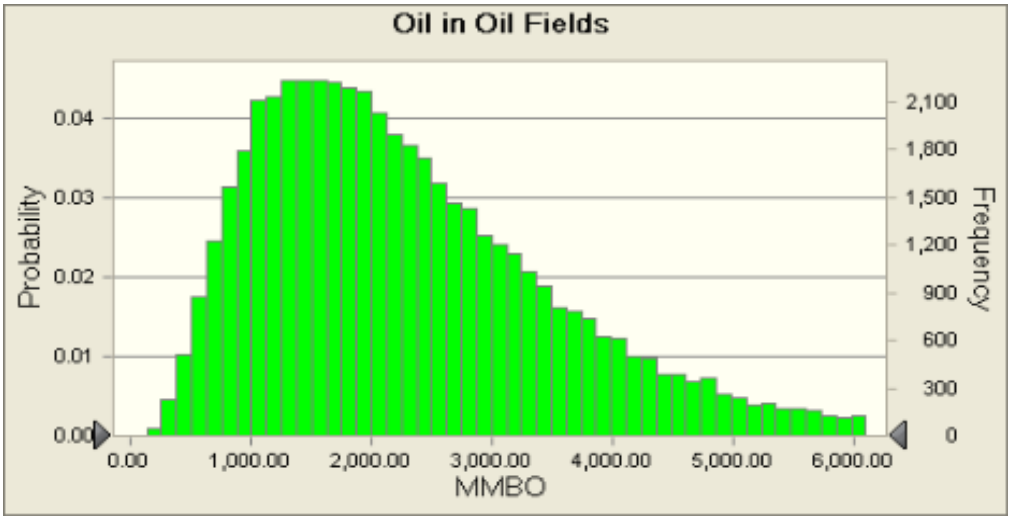
70130101
Coastal Plain and Offshore
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 7.34 to 11,855.78
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.00



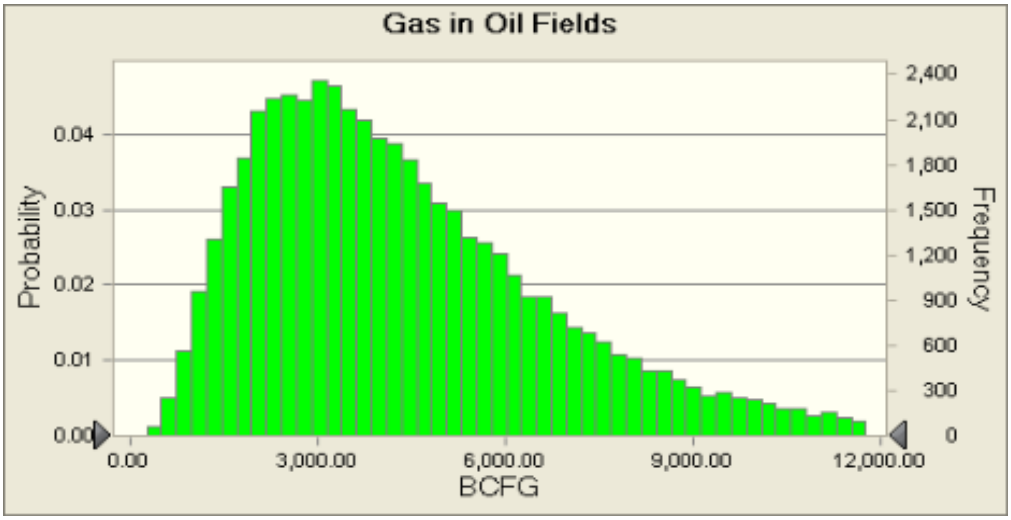
Statistics:	Forecast values
Trials	50,000
Mean	2,349.93
Median	2,073.09
Mode	---
Standard Deviation	1,342.32
Variance	1,801,826.79
Skewness	1.27
Kurtosis	5.41
Coefficient of Variability	0.5712
Minimum	7.34
Maximum	11,855.78
Range Width	11,848.44
Mean Standard Error	6.00

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	7.34
95%	719.55
90%	919.27
85%	1,077.29
80%	1,223.01
75%	1,363.08
70%	1,502.99
65%	1,642.53
60%	1,779.81
55%	1,925.22
50%	2,073.05
45%	2,234.08
40%	2,404.52
35%	2,591.19
30%	2,801.06
25%	3,042.89
20%	3,317.99
15%	3,670.70
10%	4,140.54
5%	4,913.73
0%	11,855.78

Forecast: Gas in Oil Fields

Summary:
Entire range is from 9.50 to 25,189.40
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.66



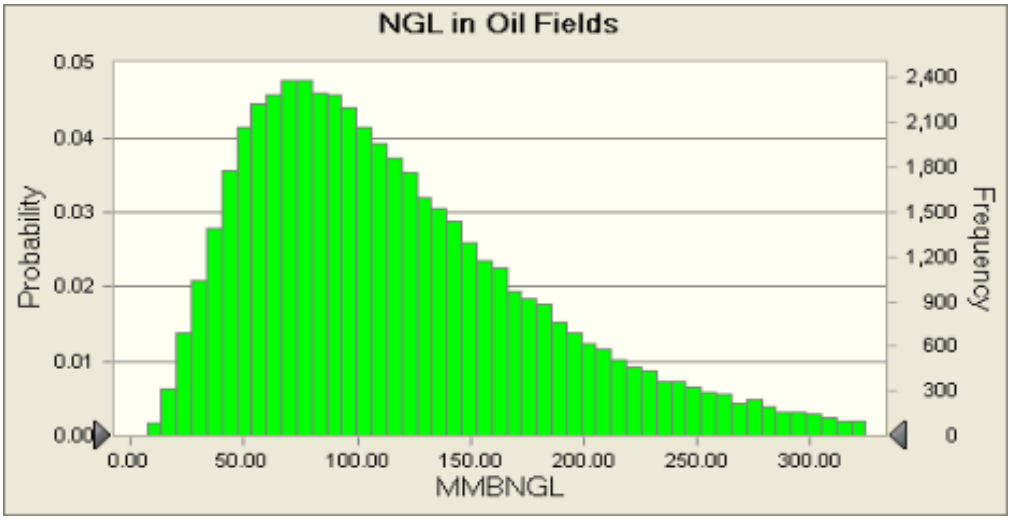
Statistics:	Forecast values
Trials	50,000
Mean	4,464.54
Median	3,913.92
Mode	---
Standard Deviation	2,607.26
Variance	6,797,825.96
Skewness	1.35
Kurtosis	5.80
Coefficient of Variability	0.5840
Minimum	9.50
Maximum	25,189.40
Range Width	25,179.90
Mean Standard Error	11.66

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	9.50
95%	1,342.54
90%	1,716.49
85%	2,031.71
80%	2,304.30
75%	2,566.97
70%	2,833.47
65%	3,088.24
60%	3,346.11
55%	3,620.85
50%	3,913.86
45%	4,214.43
40%	4,541.33
35%	4,906.73
30%	5,301.39
25%	5,766.61
20%	6,301.09
15%	6,985.33
10%	7,937.82
5%	9,519.27
0%	25,189.40

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.30 to 805.76
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.33



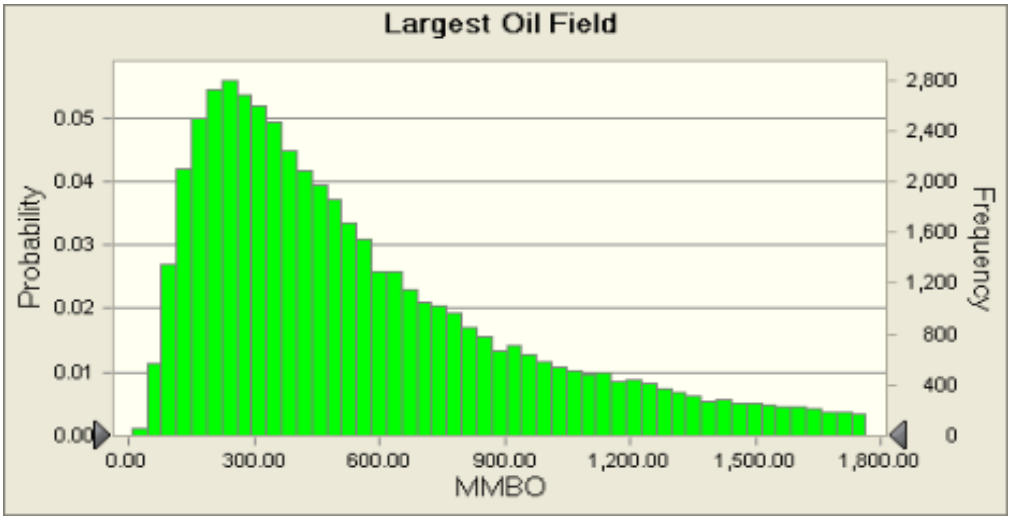
Statistics:	Forecast values
Trials	50,000
Mean	120.74
Median	104.61
Mode	---
Standard Deviation	72.82
Variance	5,303.15
Skewness	1.47
Kurtosis	6.54
Coefficient of Variability	0.6032
Minimum	0.30
Maximum	805.76
Range Width	805.45
Mean Standard Error	0.33

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.30
95%	35.38
90%	45.63
85%	53.72
80%	61.00
75%	68.13
70%	75.23
65%	82.10
60%	89.28
55%	96.66
50%	104.61
45%	112.98
40%	122.05
35%	131.95
30%	142.87
25%	155.86
20%	171.29
15%	189.88
10%	216.57
5%	260.91
0%	805.76

Forecast: Largest Oil Field

Summary:
Entire range is from 6.12 to 1,999.57
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.89



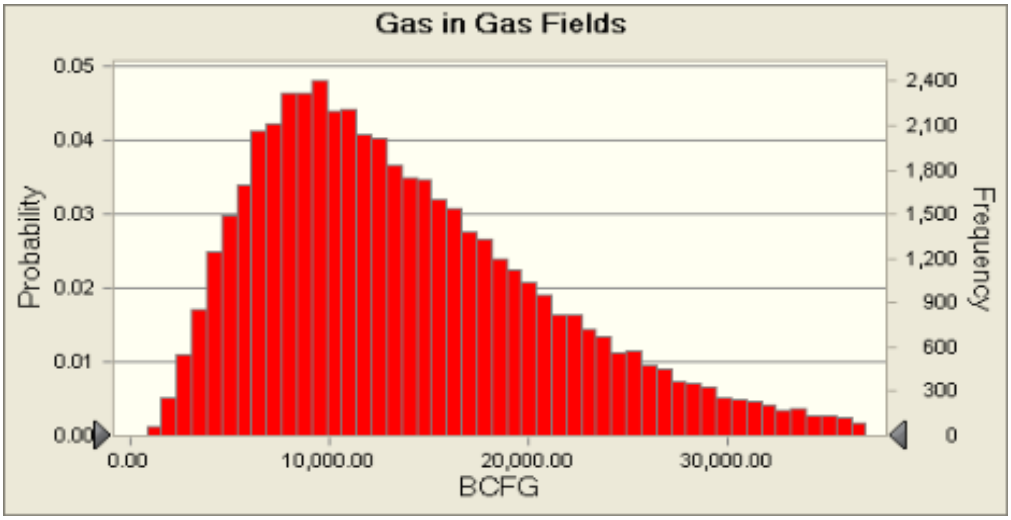
Statistics:	Forecast values
Trials	50,000
Mean	579.25
Median	451.09
Mode	---
Standard Deviation	422.92
Variance	178,865.21
Skewness	1.23
Kurtosis	3.95
Coefficient of Variability	0.7301
Minimum	6.12
Maximum	1,999.57
Range Width	1,993.45
Mean Standard Error	1.89

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	6.12
95%	124.05
90%	163.23
85%	197.74
80%	230.83
75%	263.02
70%	295.99
65%	330.99
60%	367.26
55%	407.57
50%	451.06
45%	498.27
40%	551.81
35%	616.57
30%	690.80
25%	777.52
20%	889.27
15%	1,032.08
10%	1,219.15
5%	1,503.09
0%	1,999.57

Forecast: Gas in Gas Fields

Summary:
Entire range is from 77.48 to 71,582.45
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 36.22



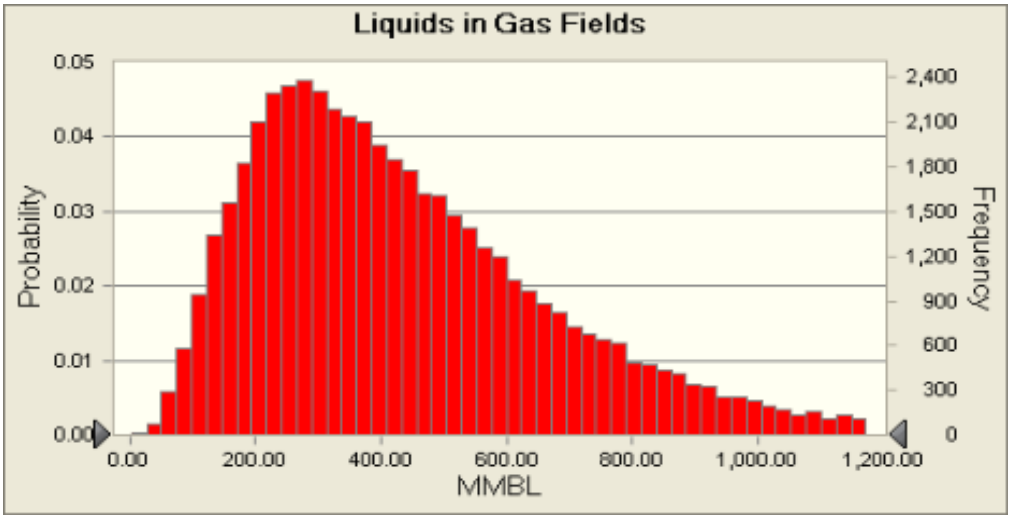
Statistics:	Forecast values
Trials	50,000
Mean	14,240.62
Median	12,563.49
Mode	---
Standard Deviation	8,098.66
Variance	65,588,333.46
Skewness	1.24
Kurtosis	5.20
Coefficient of Variability	0.5687
Minimum	77.48
Maximum	71,582.45
Range Width	71,504.97
Mean Standard Error	36.22

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	77.48
95%	4,353.29
90%	5,586.46
85%	6,594.47
80%	7,474.55
75%	8,301.90
70%	9,112.84
65%	9,898.41
60%	10,744.37
55%	11,617.01
50%	12,563.38
45%	13,562.71
40%	14,619.36
35%	15,762.20
30%	17,008.46
25%	18,463.65
20%	20,137.30
15%	22,259.27
10%	25,101.69
5%	29,746.57
0%	71,582.45

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 3.20 to 2,229.14
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.16



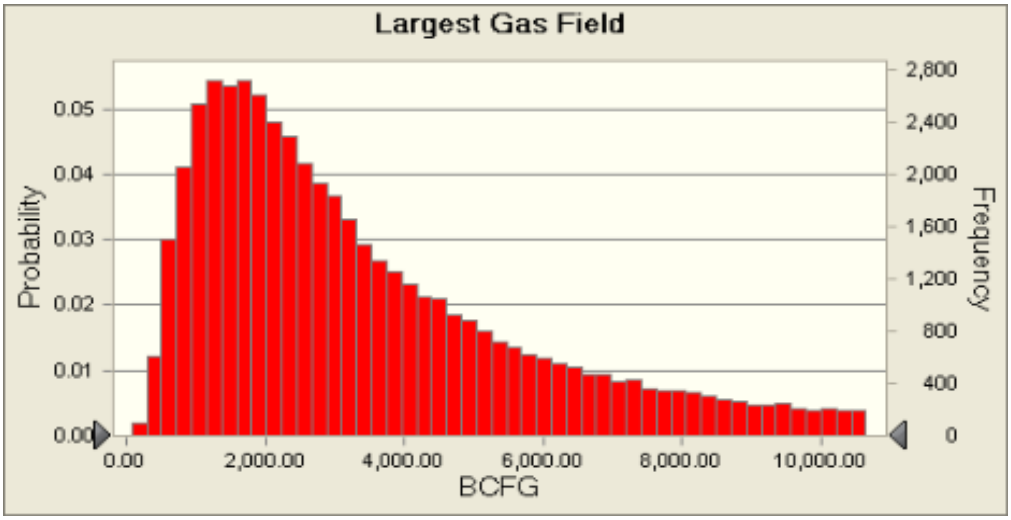
Statistics:	Forecast values
Trials	50,000
Mean	446.46
Median	391.07
Mode	---
Standard Deviation	259.19
Variance	67,180.65
Skewness	1.29
Kurtosis	5.40
Coefficient of Variability	0.5805
Minimum	3.20
Maximum	2,229.14
Range Width	2,225.95
Mean Standard Error	1.16

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	3.20
95%	133.77
90%	172.69
85%	204.09
80%	231.17
75%	257.02
70%	281.77
65%	307.37
60%	334.35
55%	362.37
50%	391.06
45%	422.69
40%	455.58
35%	492.61
30%	532.54
25%	577.80
20%	632.31
15%	702.04
10%	792.70
5%	942.41
0%	2,229.14

Forecast: Largest Gas Field

Summary:
Entire range is from 59.65 to 11,999.76
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.42



Statistics:	Forecast values
Trials	50,000
Mean	3,504.76
Median	2,728.24
Mode	---
Standard Deviation	2,554.06
Variance	6,523,211.03
Skewness	1.22
Kurtosis	3.94
Coefficient of Variability	0.7287
Minimum	59.65
Maximum	11,999.76
Range Width	11,940.11
Mean Standard Error	11.42

Forecast: Largest Gas Field (continued)

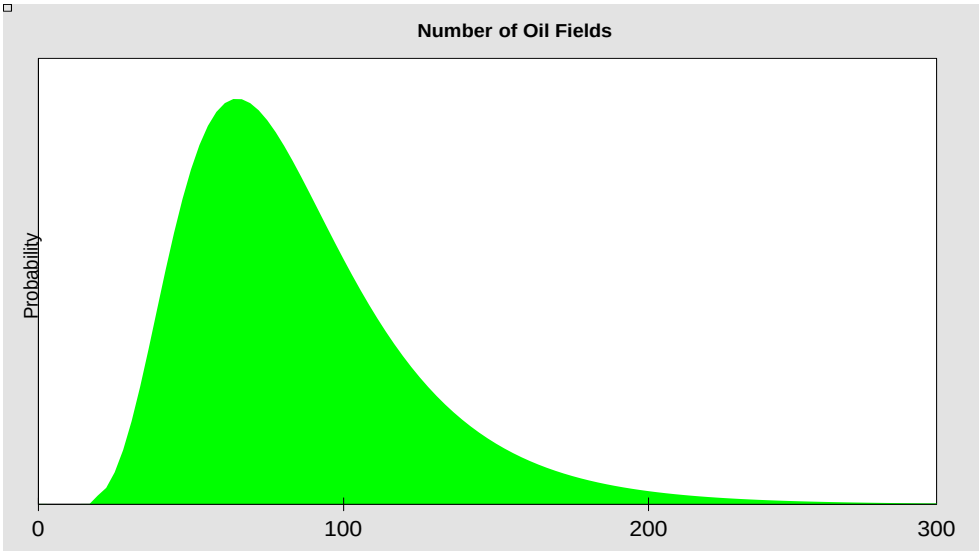
Percentiles:	BCFG
100%	59.65
95%	744.12
90%	992.98
85%	1,197.44
80%	1,394.85
75%	1,598.26
70%	1,798.20
65%	2,005.11
60%	2,231.73
55%	2,470.10
50%	2,728.23
45%	3,023.66
40%	3,349.56
35%	3,734.20
30%	4,186.71
25%	4,708.32
20%	5,367.07
15%	6,222.09
10%	7,355.56
5%	9,086.56
0%	11,999.76

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	86.68	87.68
Standard Deviation	39.14	39.14
Selected range is from -Infinity to 299.00		1.00 to 300.00



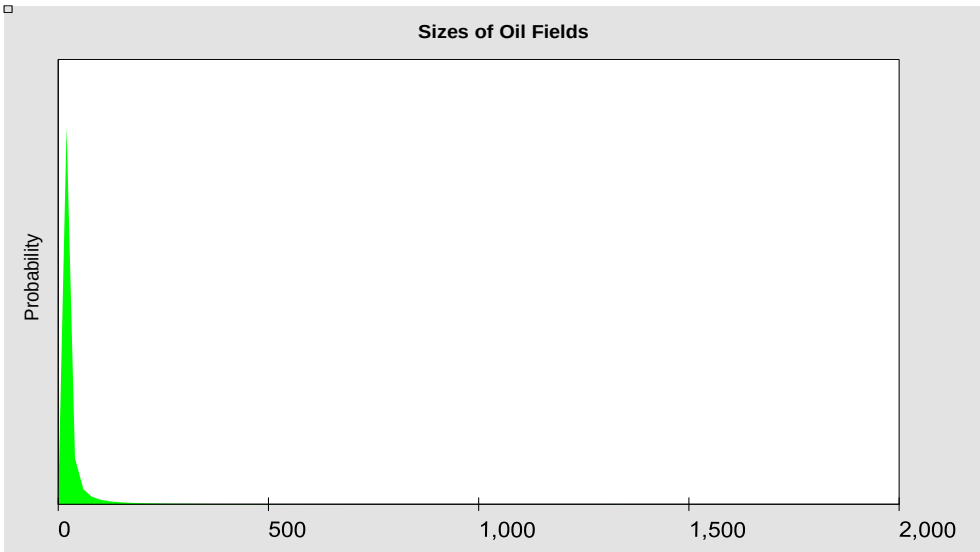
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	87.04	87.43
Median	79.53	79.96
Mode	---	---
Standard Deviation	38.00	38.31
Variance	1,444.33	1,467.67
Skewness	1.24	1.25
Kurtosis	5.26	5.29
Coefficient of Variability	0.4366	0.4382
Minimum	13.92	1.00
Maximum	296.11	300.00
Range Width	282.19	299.00
Mean Standard Error	0.17	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	13.92	1.00
95%	39.86	39.89
90%	46.33	46.48
85%	51.37	51.54
80%	55.88	55.96
75%	59.91	60.06
70%	63.72	64.00
65%	67.56	67.89
60%	71.44	71.80
55%	75.33	75.80
50%	79.53	79.96
45%	83.83	84.34
40%	88.77	89.05
35%	93.86	94.19
30%	99.49	99.93
25%	106.11	106.53
20%	114.13	114.38
15%	124.01	124.26
10%	137.20	137.90
5%	159.81	160.81
0%	296.11	300.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	30.22	31.22
Standard Deviation	226.27	226.27
Selected range is from -Infinity to 1,999.00		1.00 to 2,000.00



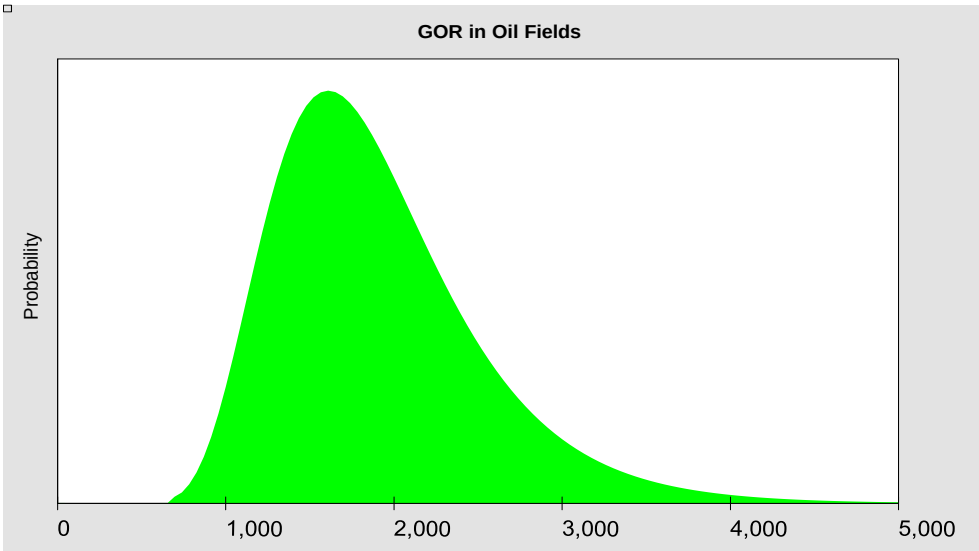
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	27.79	27.91
Median	5.01	4.99
Mode	---	---
Standard Deviation	94.20	91.89
Variance	8,873.46	8,443.11
Skewness	9.42	9.84
Kurtosis	122.82	134.66
Coefficient of Variability	3.39	3.29
Minimum	1.00	1.00
Maximum	1,974.67	2,000.00
Range Width	1,973.67	1,999.00
Mean Standard Error	0.42	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.00	1.00
95%	1.15	1.15
90%	1.31	1.30
85%	1.50	1.50
80%	1.75	1.74
75%	2.04	2.03
70%	2.41	2.39
65%	2.86	2.84
60%	3.41	3.40
55%	4.14	4.10
50%	5.01	4.99
45%	6.14	6.14
40%	7.64	7.64
35%	9.68	9.65
30%	12.46	12.44
25%	16.61	16.46
20%	22.93	22.61
15%	33.26	32.92
10%	54.18	53.10
5%	113.65	108.31
0%	1,974.67	2,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1,704.39	1,904.39
Standard Deviation	625.64	625.64
Selected range is from -Infinity to 4,800.00		200.00 to 5,000.00



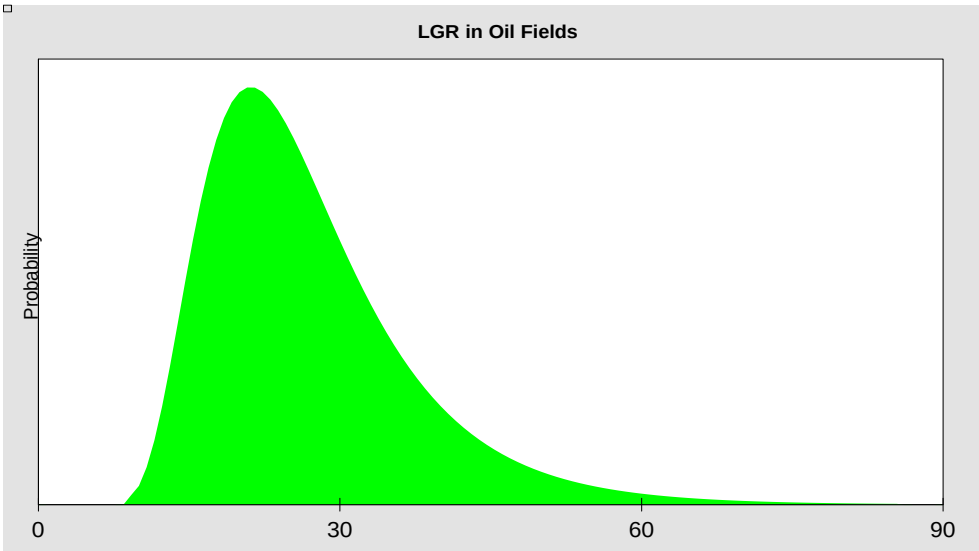
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,897.92	1,900.77
Median	1,796.87	1,799.29
Mode	---	---
Standard Deviation	615.70	615.18
Variance	379,082.34	378,442.23
Skewness	1.01	1.01
Kurtosis	4.48	4.46
Coefficient of Variability	0.3244	0.3236
Minimum	462.83	200.00
Maximum	4,975.19	5,000.00
Range Width	4,512.36	4,800.00
Mean Standard Error	2.75	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	462.83	200.00
95%	1,085.00	1,091.39
90%	1,211.34	1,214.26
85%	1,302.65	1,306.59
80%	1,382.35	1,385.92
75%	1,452.46	1,458.50
70%	1,522.88	1,527.44
65%	1,592.08	1,594.69
60%	1,659.52	1,661.64
55%	1,728.32	1,729.47
50%	1,796.86	1,799.29
45%	1,872.29	1,872.28
40%	1,951.75	1,949.84
35%	2,032.91	2,033.77
30%	2,125.74	2,126.55
25%	2,230.75	2,231.90
20%	2,353.19	2,355.92
15%	2,507.40	2,509.89
10%	2,719.37	2,718.91
5%	3,055.48	3,062.11
0%	4,975.19	5,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	22.12	27.12
Standard Deviation	10.44	10.44
Selected range is from -Infinity to 80.00		5.00 to 85.00



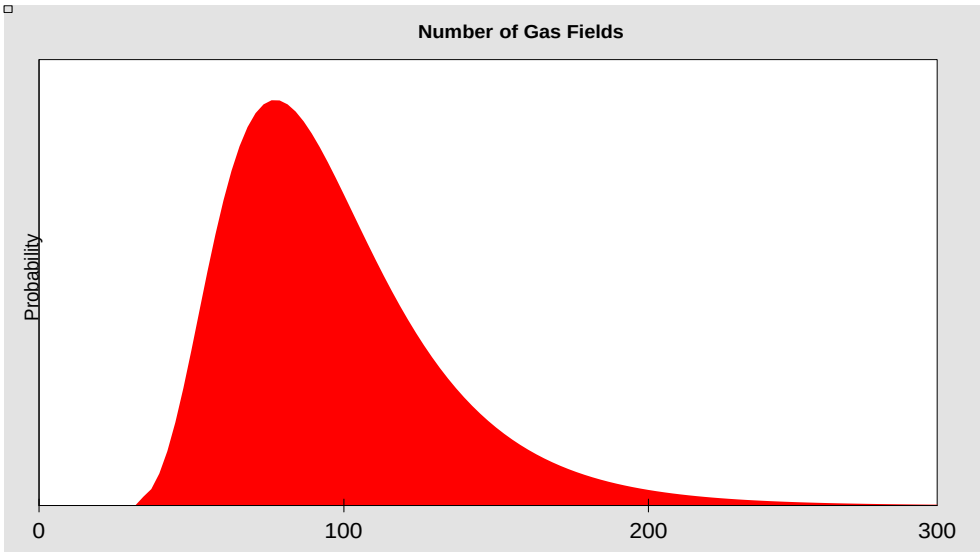
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	27.01	27.05
Median	24.95	24.99
Mode	---	---
Standard Deviation	10.20	10.21
Variance	104.06	104.25
Skewness	1.31	1.31
Kurtosis	5.55	5.52
Coefficient of Variability	0.3776	0.3775
Minimum	7.96	5.00
Maximum	84.72	85.00
Range Width	76.75	80.00
Mean Standard Error	0.05	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.96	5.00
95%	14.55	14.56
90%	16.25	16.25
85%	17.51	17.56
80%	18.68	18.71
75%	19.77	19.77
70%	20.78	20.80
65%	21.80	21.82
60%	22.79	22.84
55%	23.85	23.89
50%	24.95	24.99
45%	26.08	26.15
40%	27.31	27.39
35%	28.70	28.76
30%	30.26	30.28
25%	32.02	32.04
20%	34.10	34.14
15%	36.77	36.79
10%	40.34	40.46
5%	46.64	46.66
0%	84.72	85.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	86.68	87.68
Standard Deviation	39.14	39.14
Selected range is from -Infinity to 299.00		1.00 to 300.00



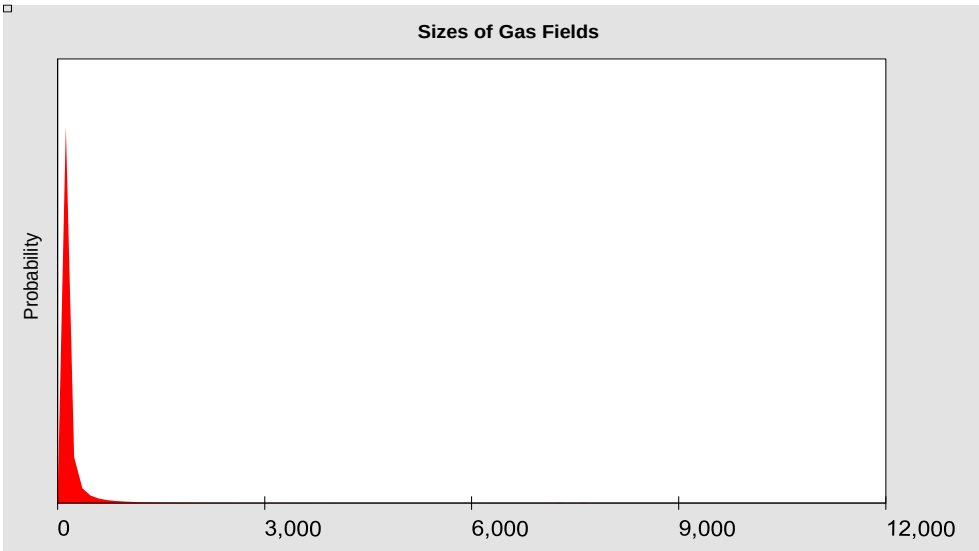
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	87.64	87.43
Median	80.18	79.96
Mode	---	---
Standard Deviation	38.43	38.31
Variance	1,476.95	1,467.67
Skewness	1.26	1.25
Kurtosis	5.40	5.29
Coefficient of Variability	0.4385	0.4382
Minimum	15.16	1.00
Maximum	298.90	300.00
Range Width	283.74	299.00
Mean Standard Error	0.17	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	15.16	1.00
95%	39.93	39.89
90%	46.70	46.48
85%	51.66	51.54
80%	56.16	55.96
75%	60.31	60.06
70%	64.16	64.00
65%	68.09	67.89
60%	71.90	71.80
55%	75.95	75.80
50%	80.18	79.96
45%	84.69	84.34
40%	89.35	89.05
35%	94.41	94.19
30%	100.01	99.93
25%	106.68	106.53
20%	114.67	114.38
15%	124.54	124.26
10%	138.13	137.90
5%	160.70	160.81
0%	298.90	300.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	181.31	187.31
Standard Deviation	1,357.62	1,357.62
Selected range is from -Infinity to 11,994.00		6.00 to 12,000.00



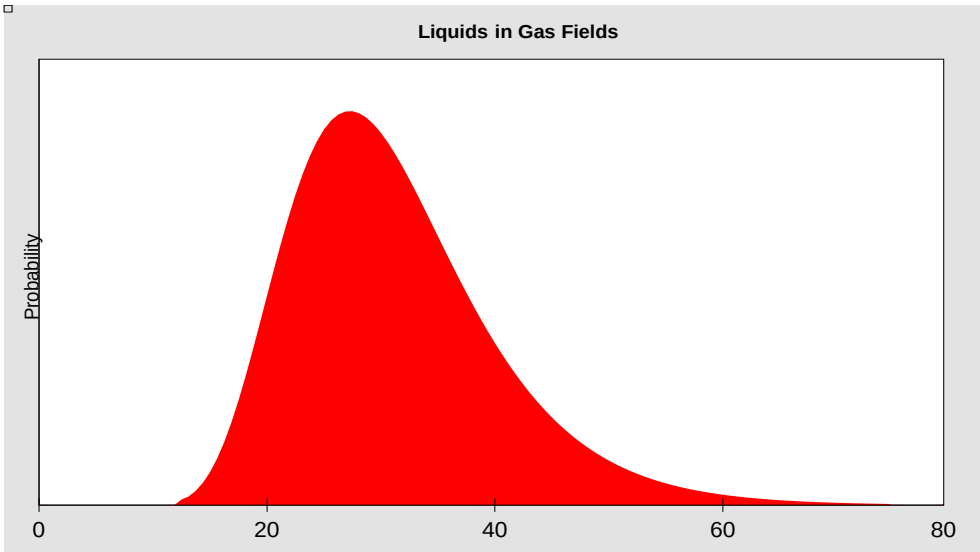
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	163.62	167.48
Median	30.58	29.94
Mode	---	---
Standard Deviation	553.73	551.32
Variance	306,614.27	303,951.86
Skewness	9.66	9.84
Kurtosis	129.02	134.66
Coefficient of Variability	3.38	3.29
Minimum	6.01	6.00
Maximum	11,786.06	12,000.00
Range Width	11,780.05	11,994.00
Mean Standard Error	2.48	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.01	6.00
95%	6.91	6.88
90%	7.89	7.82
85%	9.10	8.98
80%	10.58	10.41
75%	12.38	12.17
70%	14.52	14.35
65%	17.27	17.04
60%	20.71	20.39
55%	24.90	24.60
50%	30.57	29.94
45%	37.74	36.81
40%	47.26	45.82
35%	59.31	57.91
30%	76.11	74.62
25%	100.05	98.73
20%	138.12	135.65
15%	199.58	197.53
10%	321.61	318.63
5%	660.68	649.88
0%	11,786.06	12,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	28.40	31.4
Standard Deviation	9.25	9.25
Selected range is from -Infinity to 72.00		3.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	31.31	31.34
Median	29.94	29.99
Mode	---	---
Standard Deviation	9.04	9.11
Variance	81.80	82.96
Skewness	0.8647	0.8936
Kurtosis	3.99	4.11
Coefficient of Variability	0.2889	0.2906
Minimum	9.87	3.00
Maximum	74.98	75.00
Range Width	65.11	72.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	9.87	3.00
95%	19.02	19.02
90%	20.96	20.97
85%	22.42	22.43
80%	23.69	23.67
75%	24.81	24.79
70%	25.86	25.85
65%	26.87	26.88
60%	27.85	27.91
55%	28.90	28.93
50%	29.94	29.99
45%	31.02	31.09
40%	32.17	32.25
35%	33.46	33.50
30%	34.85	34.87
25%	36.42	36.42
20%	38.27	38.24
15%	40.50	40.47
10%	43.48	43.49
5%	48.24	48.38
0%	74.98	75.00

End of Assumptions

Simulation started on 8/3/2009 at 13:35:01
Simulation stopped on 8/3/2009 at 14:27:29