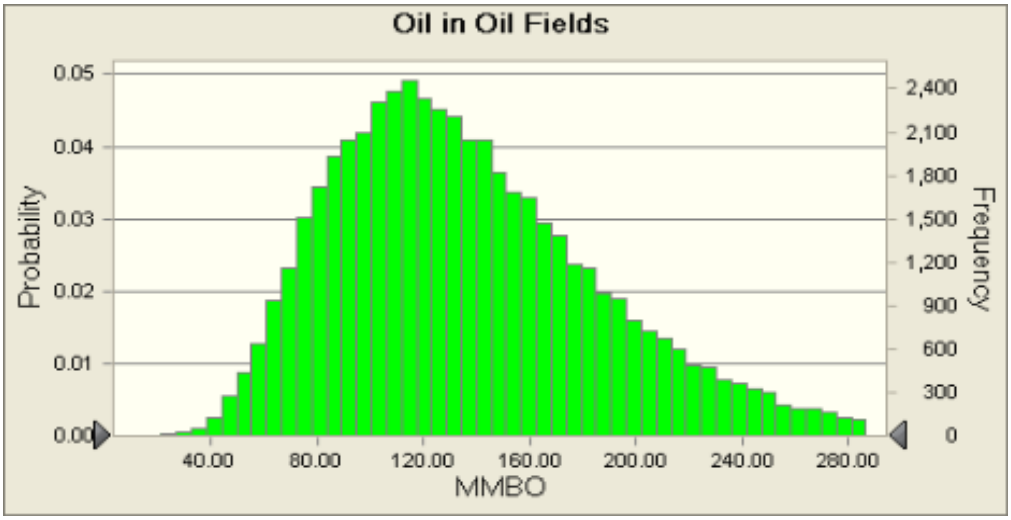
11090101
Foldbelt-Foothills
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 9.83 to 498.49
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.24



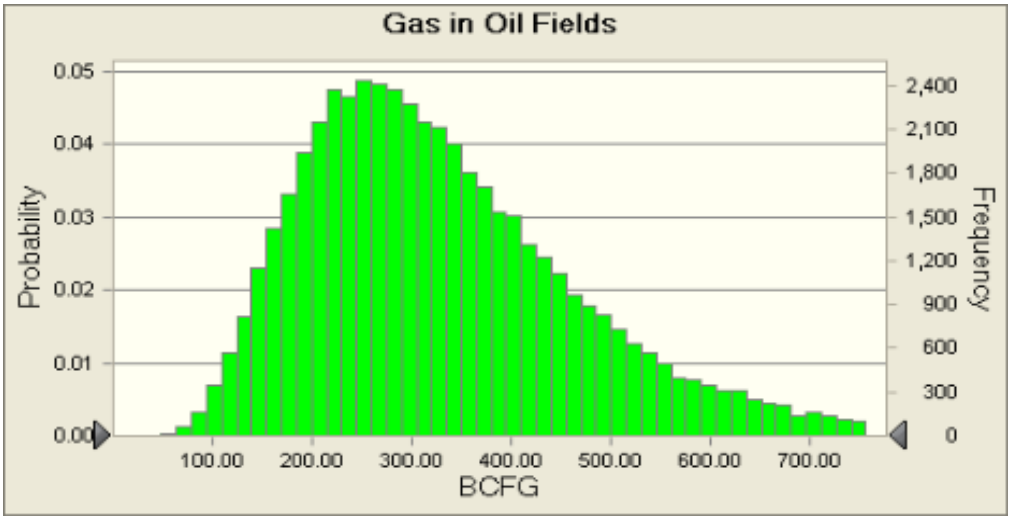
Statistics:	Forecast values
Trials	50,000
Mean	137.65
Median	129.22
Mode	---
Standard Deviation	53.26
Variance	2,836.34
Skewness	0.9260
Kurtosis	4.28
Coefficient of Variability	0.3869
Minimum	9.83
Maximum	498.49
Range Width	488.66
Mean Standard Error	0.24

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	9.83
95%	66.36
90%	77.03
85%	85.10
80%	92.31
75%	99.07
70%	105.32
65%	111.19
60%	116.95
55%	123.01
50%	129.21
45%	135.80
40%	142.83
35%	150.15
30%	158.53
25%	167.66
20%	178.50
15%	191.61
10%	209.47
5%	237.51
0%	498.49

Forecast: Gas in Oil Fields

Summary:
Entire range is from 18.84 to 1,590.67
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.67



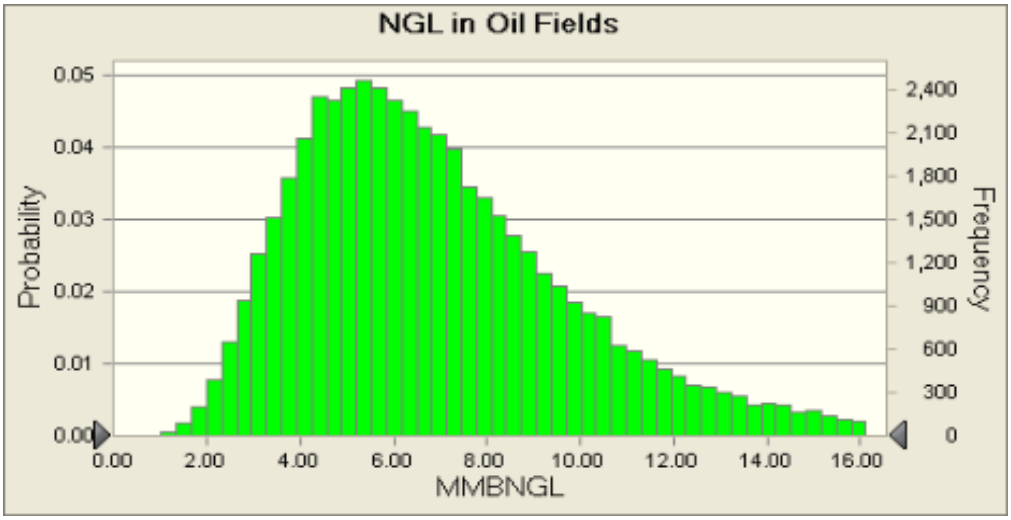
Statistics:	Forecast values
Trials	50,000
Mean	336.04
Median	308.62
Mode	---
Standard Deviation	150.37
Variance	22,610.93
Skewness	1.29
Kurtosis	6.00
Coefficient of Variability	0.4475
Minimum	18.84
Maximum	1,590.67
Range Width	1,571.82
Mean Standard Error	0.67

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	18.84
95%	147.11
90%	173.97
85%	195.09
80%	212.53
75%	228.64
70%	244.84
65%	260.28
60%	275.93
55%	291.70
50%	308.62
45%	326.18
40%	344.34
35%	364.67
30%	387.50
25%	412.54
20%	442.34
15%	479.95
10%	530.06
5%	620.07
0%	1,590.67

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.37 to 46.12
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.01



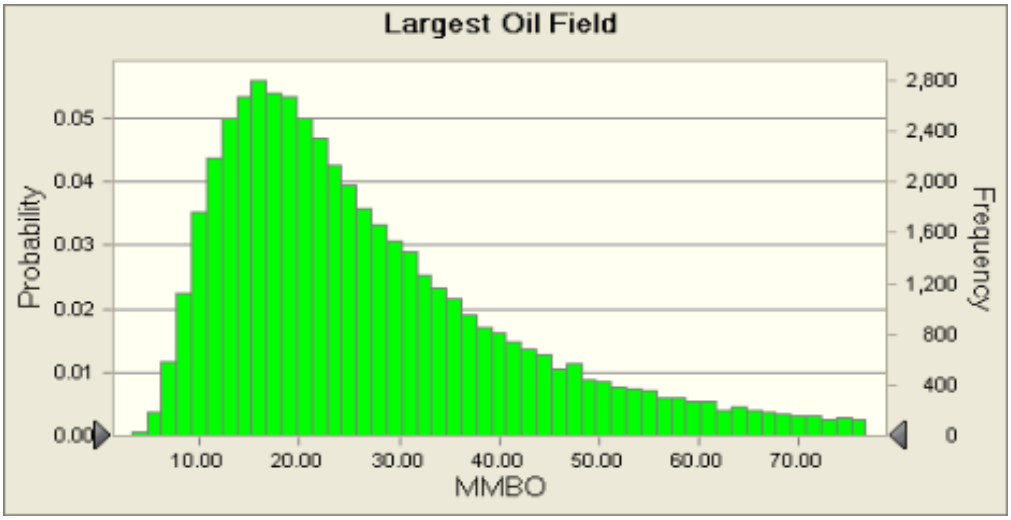
Statistics:	Forecast values
Trials	50,000
Mean	7.02
Median	6.41
Mode	---
Standard Deviation	3.25
Variance	10.56
Skewness	1.46
Kurtosis	7.55
Coefficient of Variability	0.4627
Minimum	0.37
Maximum	46.12
Range Width	45.75
Mean Standard Error	0.01

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.37
95%	3.00
90%	3.58
85%	4.02
80%	4.38
75%	4.73
70%	5.06
65%	5.39
60%	5.72
55%	6.06
50%	6.41
45%	6.79
40%	7.17
35%	7.60
30%	8.08
25%	8.63
20%	9.27
15%	10.09
10%	11.20
5%	13.13
0%	46.12

Forecast: Largest Oil Field

Summary:
Entire range is from 3.20 to 99.91
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.08



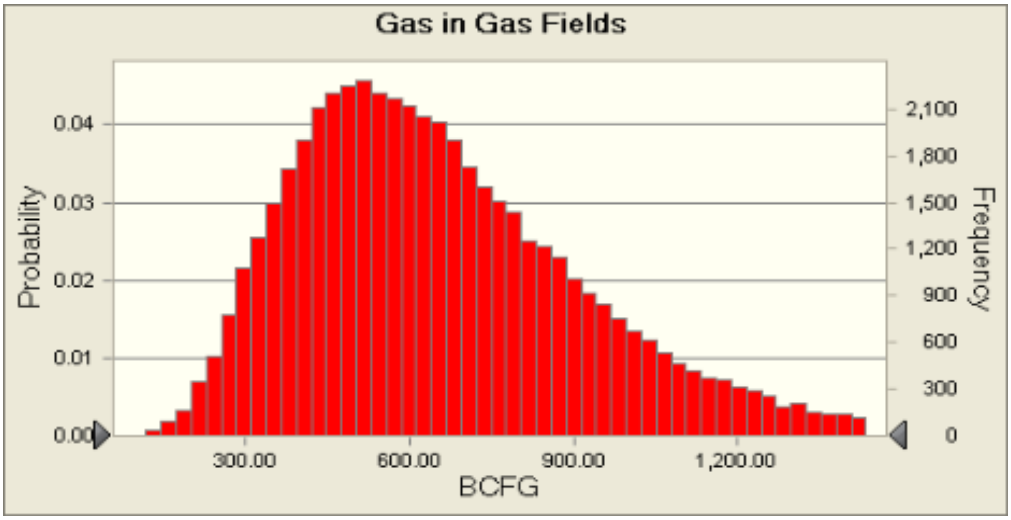
Statistics:	Forecast values
Trials	50,000
Mean	28.24
Median	23.35
Mode	---
Standard Deviation	17.31
Variance	299.64
Skewness	1.49
Kurtosis	5.27
Coefficient of Variability	0.6130
Minimum	3.20
Maximum	99.91
Range Width	96.71
Mean Standard Error	0.08

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	3.20
95%	9.75
90%	11.60
85%	13.19
80%	14.59
75%	15.97
70%	17.35
65%	18.73
60%	20.17
55%	21.66
50%	23.35
45%	25.15
40%	27.23
35%	29.51
30%	32.10
25%	35.28
20%	39.27
15%	44.41
10%	52.04
5%	65.41
0%	99.91

Forecast: Gas in Gas Fields

Summary:
Entire range is from 92.06 to 3,175.36
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.23



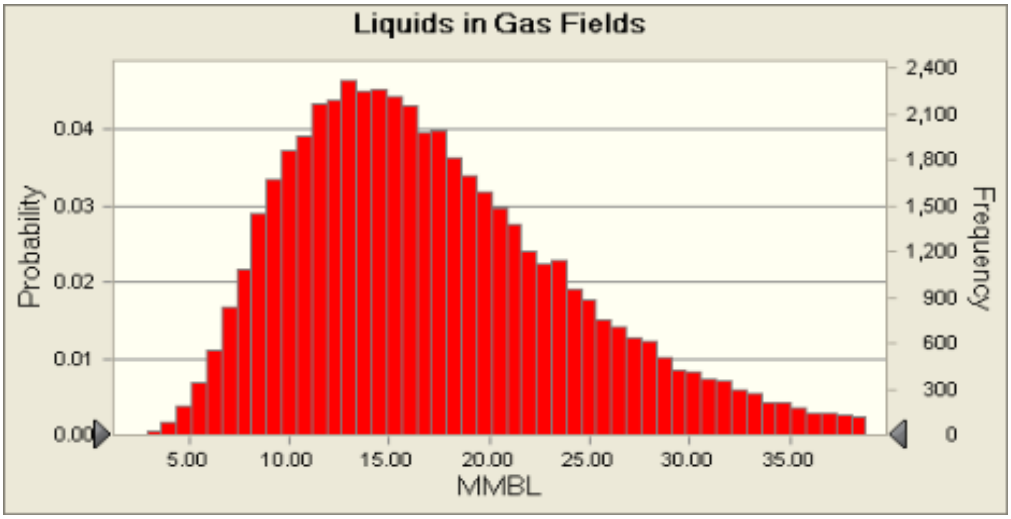
Statistics:	Forecast values
Trials	50,000
Mean	662.29
Median	616.05
Mode	---
Standard Deviation	275.83
Variance	76,082.20
Skewness	0.9745
Kurtosis	4.34
Coefficient of Variability	0.4165
Minimum	92.06
Maximum	3,175.36
Range Width	3,083.30
Mean Standard Error	1.23

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	92.06
95%	299.67
90%	352.07
85%	393.48
80%	429.21
75%	461.29
70%	491.47
65%	521.17
60%	552.49
55%	584.02
50%	616.05
45%	649.84
40%	684.77
35%	723.51
30%	767.01
25%	816.08
20%	872.41
15%	941.44
10%	1,034.45
5%	1,186.85
0%	3,175.36

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 2.14 to 80.27
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.03



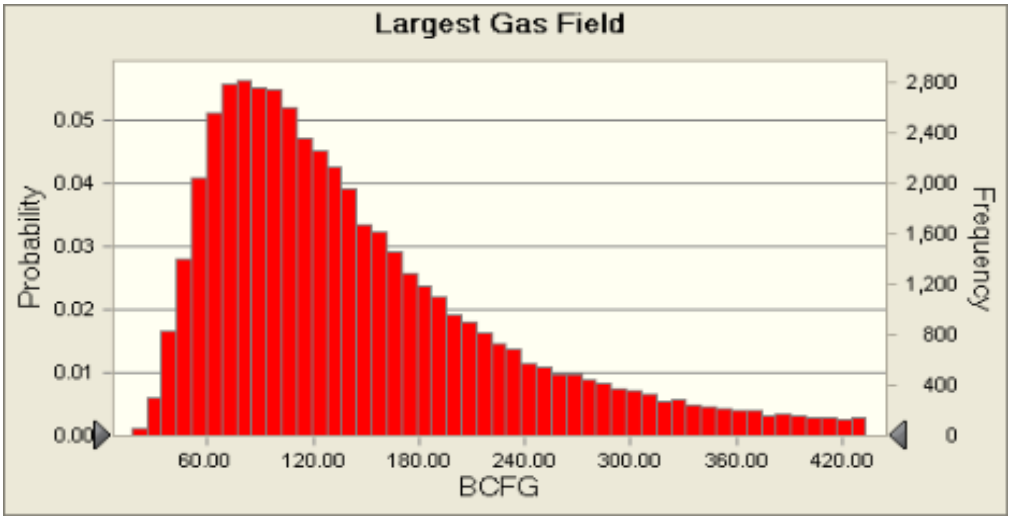
Statistics:	Forecast values
Trials	50,000
Mean	17.49
Median	16.15
Mode	---
Standard Deviation	7.60
Variance	57.76
Skewness	1.08
Kurtosis	4.77
Coefficient of Variability	0.4344
Minimum	2.14
Maximum	80.27
Range Width	78.12
Mean Standard Error	0.03

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	2.14
95%	7.72
90%	9.09
85%	10.16
80%	11.10
75%	11.95
70%	12.79
65%	13.61
60%	14.46
55%	15.29
50%	16.15
45%	17.06
40%	18.01
35%	19.10
30%	20.25
25%	21.58
20%	23.18
15%	25.07
10%	27.69
5%	31.93
0%	80.27

Forecast: Largest Gas Field

Summary:
Entire range is from 16.86 to 599.69
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.45



Statistics:	Forecast values
Trials	50,000
Mean	153.98
Median	125.50
Mode	---
Standard Deviation	99.85
Variance	9,969.15
Skewness	1.62
Kurtosis	5.85
Coefficient of Variability	0.6484
Minimum	16.86
Maximum	599.69
Range Width	582.83
Mean Standard Error	0.45

Forecast: Largest Gas Field (continued)

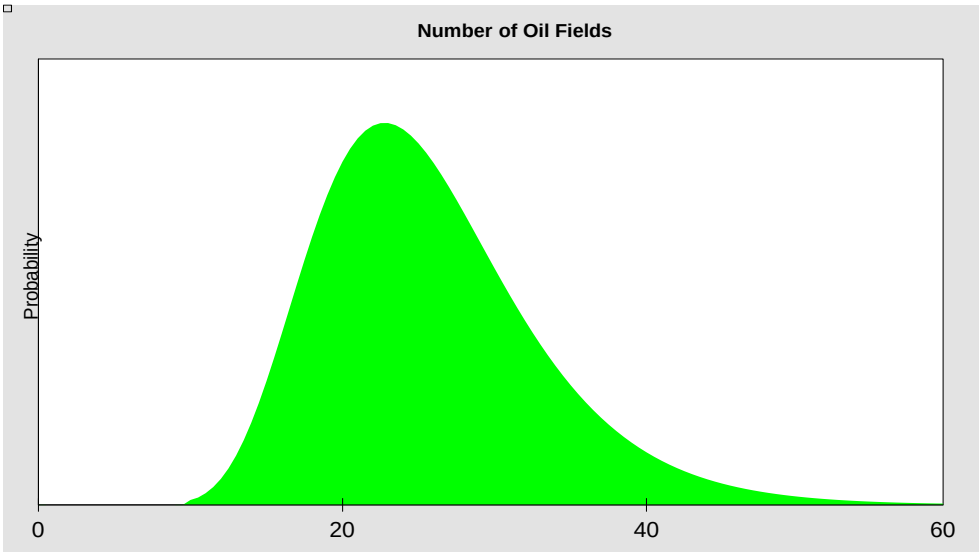
Percentiles:	BCFG
100%	16.86
95%	50.44
90%	60.71
85%	68.88
80%	76.50
75%	84.00
70%	91.72
65%	99.39
60%	107.42
55%	115.92
50%	125.50
45%	135.33
40%	146.49
35%	159.26
30%	174.24
25%	192.07
20%	214.79
15%	245.02
10%	289.74
5%	366.47
0%	599.69

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	25.04	26.04
Standard Deviation	7.45	7.45
Selected range is from -Infinity to 59.00		1.00 to 60.00



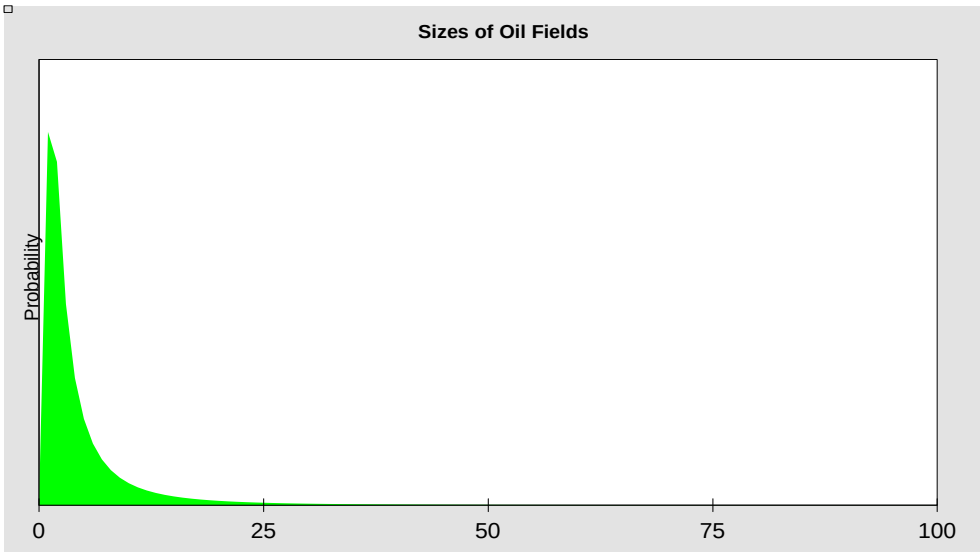
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.02	26.00
Median	24.99	24.99
Mode	---	---
Standard Deviation	7.36	7.34
Variance	54.11	53.94
Skewness	0.8199	0.8139
Kurtosis	3.93	3.91
Coefficient of Variability	0.2828	0.2825
Minimum	8.31	1.00
Maximum	59.94	60.00
Range Width	51.62	59.00
Mean Standard Error	0.03	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	8.31	1.00
95%	15.88	15.87
90%	17.56	17.52
85%	18.74	18.75
80%	19.79	19.78
75%	20.73	20.72
70%	21.60	21.60
65%	22.48	22.45
60%	23.30	23.29
55%	24.13	24.13
50%	24.99	24.99
45%	25.87	25.88
40%	26.84	26.83
35%	27.85	27.84
30%	28.95	28.94
25%	30.20	30.19
20%	31.69	31.64
15%	33.45	33.42
10%	35.81	35.80
5%	39.62	39.64
0%	59.94	60.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	4.44	5.44
Standard Deviation	8.80	8.8
Selected range is from -Infinity to 99.00		1.00 to 100.00



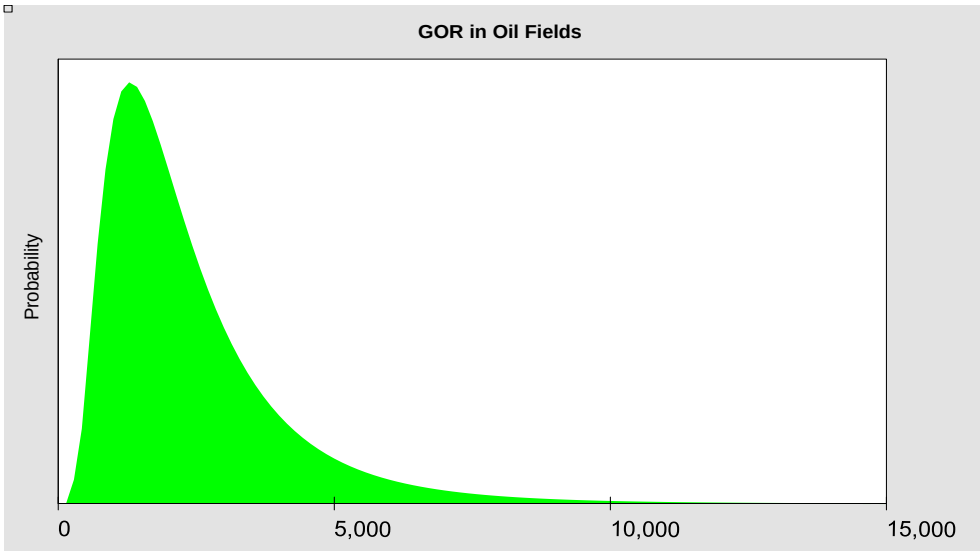
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	5.30	5.29
Median	2.99	3.00
Mode	---	---
Standard Deviation	7.19	7.14
Variance	51.68	50.94
Skewness	4.93	4.96
Kurtosis	38.55	39.13
Coefficient of Variability	1.36	1.35
Minimum	1.01	1.00
Maximum	99.80	100.00
Range Width	98.79	99.00
Mean Standard Error	0.03	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.01	1.00
95%	1.25	1.25
90%	1.39	1.40
85%	1.54	1.54
80%	1.69	1.69
75%	1.85	1.85
70%	2.03	2.03
65%	2.22	2.23
60%	2.44	2.45
55%	2.70	2.70
50%	2.99	3.00
45%	3.33	3.34
40%	3.75	3.75
35%	4.25	4.25
30%	4.88	4.87
25%	5.65	5.67
20%	6.71	6.77
15%	8.31	8.37
10%	10.99	11.02
5%	16.94	16.78
0%	99.80	100.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	2,355.30	2,455.30
Standard Deviation	1,725.47	1,725.47
Selected range is from -Infinity to 14,400.00		100.00 to 14,500.00



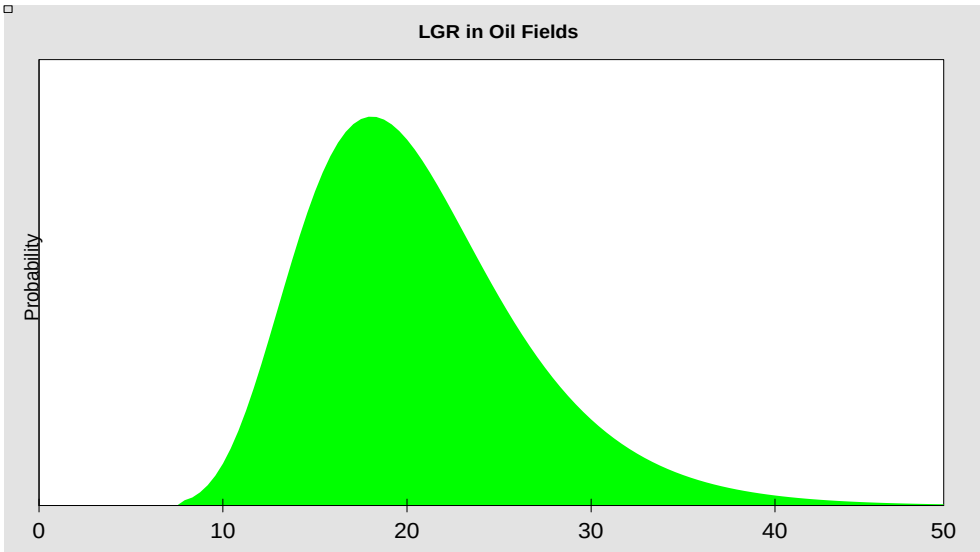
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2,436.90	2,440.07
Median	1,982.90	1,998.44
Mode	---	---
Standard Deviation	1,668.35	1,654.24
Variance	2,783,375.18	2,736,503.37
Skewness	2.10	2.04
Kurtosis	9.66	9.28
Coefficient of Variability	0.6846	0.6779
Minimum	165.31	100.00
Maximum	14,482.18	14,500.00
Range Width	14,316.86	14,400.00
Mean Standard Error	7.46	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	165.31	100.00
95%	752.57	746.23
90%	923.68	919.94
85%	1,058.93	1,062.80
80%	1,190.23	1,193.88
75%	1,317.93	1,320.47
70%	1,443.32	1,446.57
65%	1,568.46	1,575.02
60%	1,698.22	1,708.20
55%	1,838.57	1,848.47
50%	1,982.85	1,998.44
45%	2,142.70	2,161.24
40%	2,324.42	2,340.94
35%	2,526.73	2,543.09
30%	2,764.31	2,775.83
25%	3,040.69	3,051.78
20%	3,386.44	3,392.45
15%	3,834.18	3,838.96
10%	4,479.22	4,486.40
5%	5,663.10	5,651.09
0%	14,482.18	14,500.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	19.91	20.91
Standard Deviation	6.25	6.25
Selected range is from -Infinity to 49.00		1.00 to 50.00



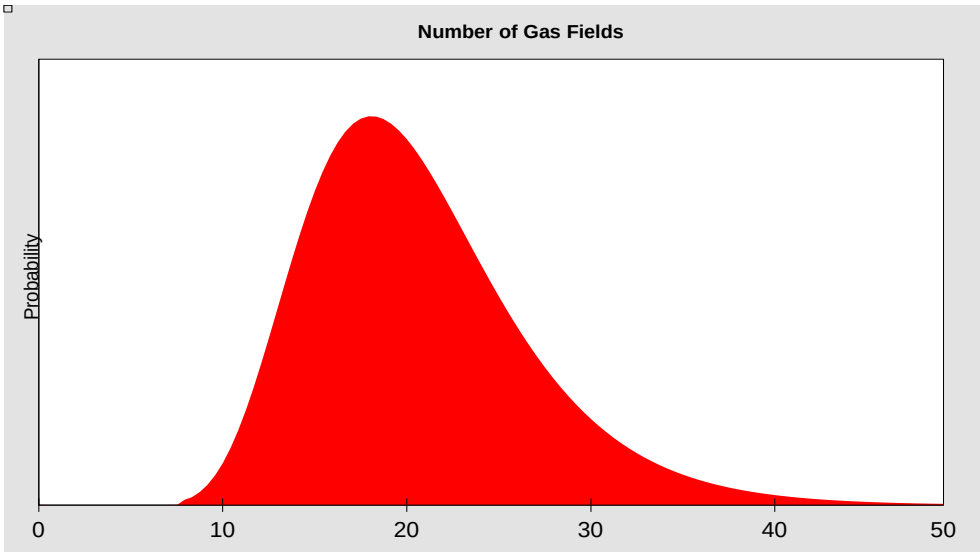
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.88	20.88
Median	20.00	19.99
Mode	---	---
Standard Deviation	6.16	6.16
Variance	37.94	37.98
Skewness	0.8528	0.8607
Kurtosis	4.01	4.03
Coefficient of Variability	0.2950	0.2951
Minimum	6.54	1.00
Maximum	49.94	50.00
Range Width	43.40	49.00
Mean Standard Error	0.03	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.54	1.00
95%	12.44	12.47
90%	13.82	13.82
85%	14.82	14.82
80%	15.69	15.68
75%	16.45	16.45
70%	17.17	17.17
65%	17.87	17.88
60%	18.57	18.57
55%	19.29	19.28
50%	20.00	19.99
45%	20.76	20.74
40%	21.56	21.52
35%	22.40	22.37
30%	23.32	23.30
25%	24.39	24.35
20%	25.57	25.57
15%	27.05	27.08
10%	29.06	29.10
5%	32.31	32.37
0%	49.94	50.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	19.91	20.91
Standard Deviation	6.25	6.25
Selected range is from -Infinity to 49.00		1.00 to 50.00



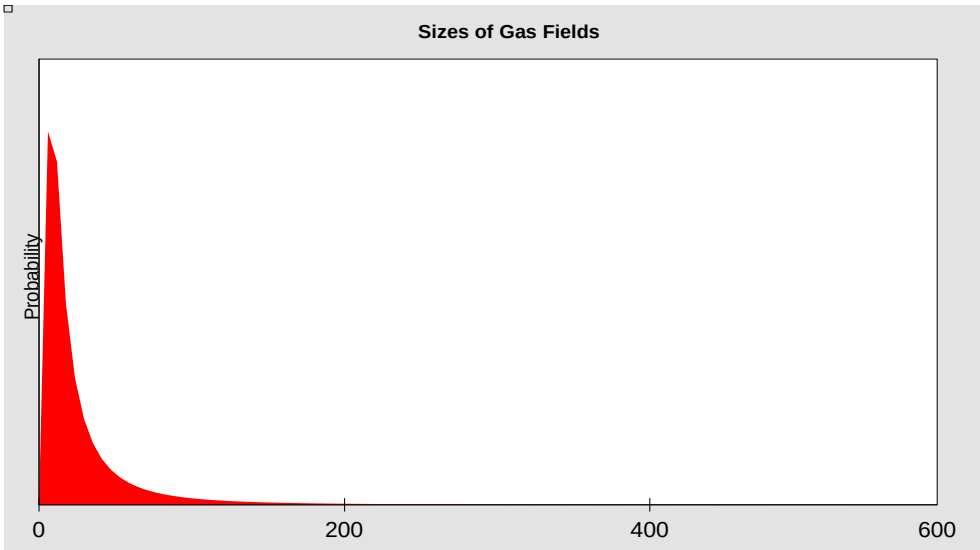
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.89	20.88
Median	19.97	19.99
Mode	---	---
Standard Deviation	6.16	6.16
Variance	37.91	37.98
Skewness	0.8707	0.8607
Kurtosis	4.04	4.03
Coefficient of Variability	0.2948	0.2951
Minimum	6.07	1.00
Maximum	49.96	50.00
Range Width	43.89	49.00
Mean Standard Error	0.03	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.07	1.00
95%	12.54	12.47
90%	13.88	13.82
85%	14.88	14.82
80%	15.73	15.68
75%	16.48	16.45
70%	17.19	17.17
65%	17.87	17.88
60%	18.56	18.57
55%	19.24	19.28
50%	19.97	19.99
45%	20.71	20.74
40%	21.50	21.52
35%	22.38	22.37
30%	23.28	23.30
25%	24.34	24.35
20%	25.59	25.57
15%	27.05	27.08
10%	29.14	29.10
5%	32.33	32.37
0%	49.96	50.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	26.63	32.63
Standard Deviation	52.78	52.78
Selected range is from -Infinity to 594.00		6.00 to 600.00



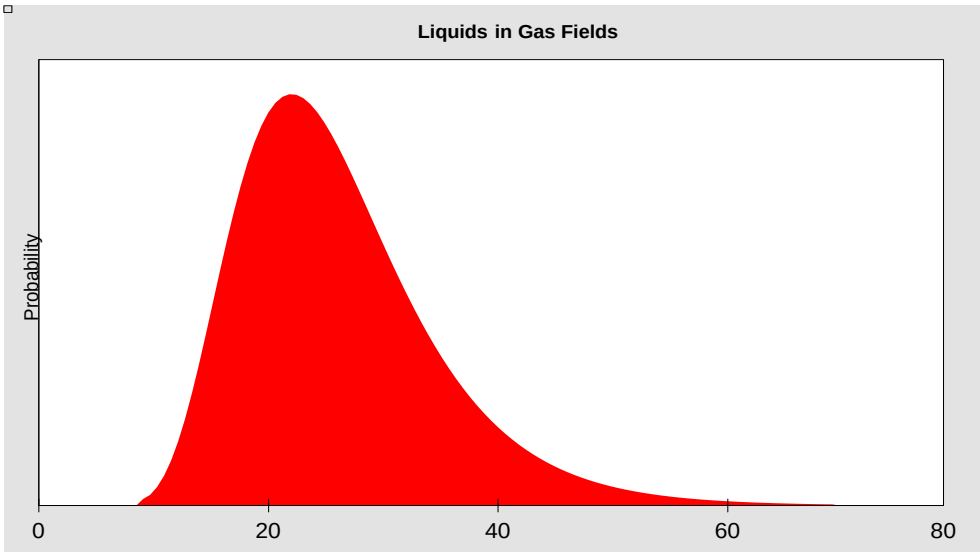
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	31.62	31.76
Median	17.96	17.98
Mode	---	---
Standard Deviation	41.96	42.82
Variance	1,760.81	1,833.72
Skewness	4.90	4.96
Kurtosis	38.56	39.13
Coefficient of Variability	1.33	1.35
Minimum	6.06	6.00
Maximum	587.04	600.00
Range Width	580.99	594.00
Mean Standard Error	0.19	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.06	6.00
95%	7.52	7.50
90%	8.40	8.38
85%	9.26	9.24
80%	10.16	10.14
75%	11.15	11.12
70%	12.25	12.18
65%	13.46	13.37
60%	14.77	14.70
55%	16.27	16.22
50%	17.96	17.98
45%	20.06	20.04
40%	22.59	22.49
35%	25.62	25.48
30%	29.40	29.21
25%	34.33	34.04
20%	40.64	40.61
15%	50.21	50.22
10%	65.88	66.14
5%	99.40	100.67
0%	587.04	600.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	24.46	26.46
Standard Deviation	8.85	8.85
Selected range is from -Infinity to 68.00		2.00 to 70.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.41	26.41
Median	25.00	24.99
Mode	---	---
Standard Deviation	8.67	8.71
Variance	75.24	75.79
Skewness	0.9835	0.9962
Kurtosis	4.37	4.41
Coefficient of Variability	0.3284	0.3297
Minimum	7.68	2.00
Maximum	69.48	70.00
Range Width	61.81	68.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.68	2.00
95%	14.89	14.91
90%	16.68	16.67
85%	18.02	17.99
80%	19.15	19.12
75%	20.18	20.15
70%	21.17	21.13
65%	22.15	22.09
60%	23.06	23.04
55%	24.02	24.00
50%	25.00	24.99
45%	26.03	26.02
40%	27.12	27.12
35%	28.31	28.31
30%	29.60	29.63
25%	31.09	31.12
20%	32.84	32.87
15%	35.08	35.04
10%	38.07	37.99
5%	42.74	42.83
0%	69.48	70.00

End of Assumptions

Simulation started on 11/12/2009 at 9:46:16
Simulation stopped on 11/12/2009 at 10:04:54