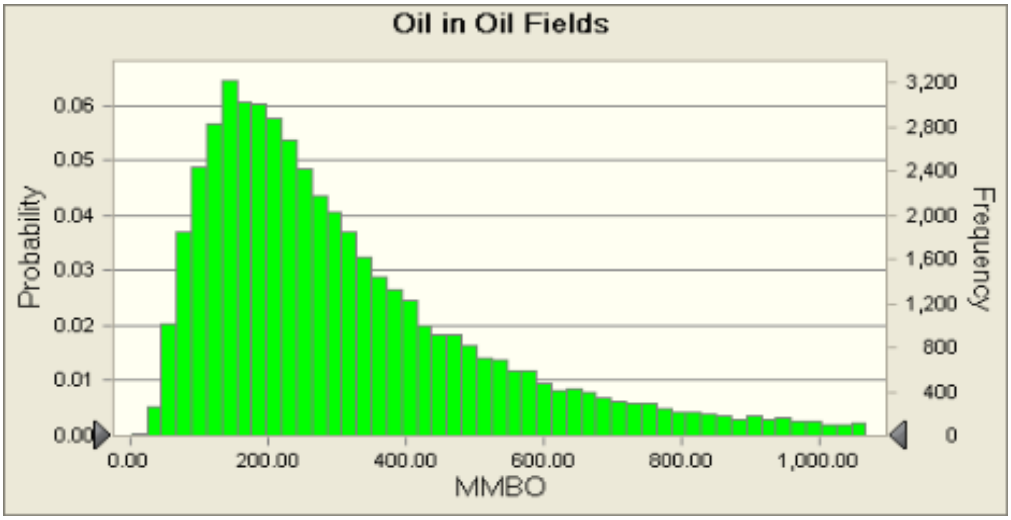
60980104
Gulf of Paria
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 2.35 to 3,220.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.17



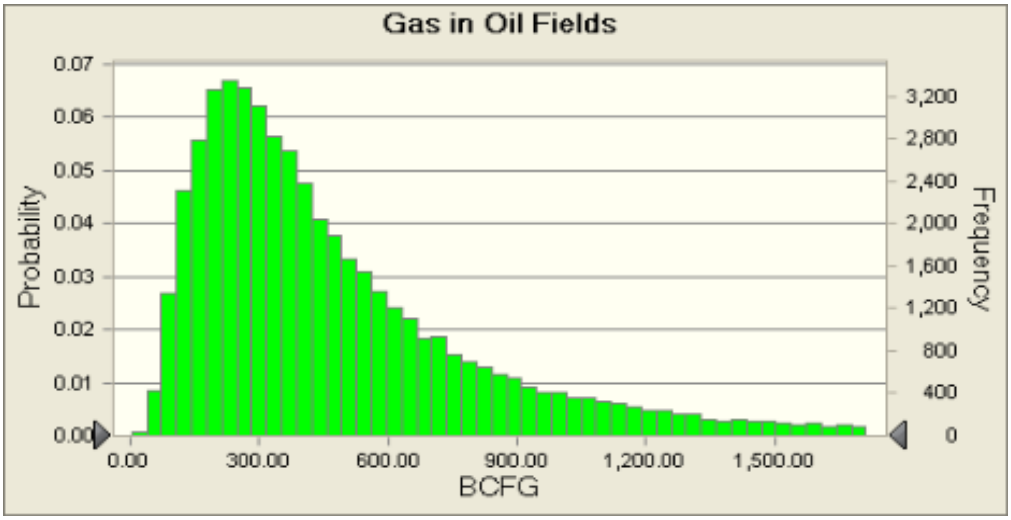
Statistics:	Forecast values
Trials	50,000
Mean	335.17
Median	256.98
Mode	---
Standard Deviation	261.51
Variance	68,387.59
Skewness	2.11
Kurtosis	9.35
Coefficient of Variability	0.7802
Minimum	2.35
Maximum	3,220.87
Range Width	3,218.52
Mean Standard Error	1.17

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	2.35
95%	83.03
90%	106.64
85%	126.09
80%	143.90
75%	161.03
70%	178.59
65%	196.61
60%	215.60
55%	235.32
50%	256.98
45%	281.76
40%	308.19
35%	338.76
30%	376.40
25%	419.89
20%	477.17
15%	551.81
10%	664.29
5%	870.64
0%	3,220.87

Forecast: Gas in Oil Fields

Summary:
Entire range is from 4.07 to 5,560.36
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.92



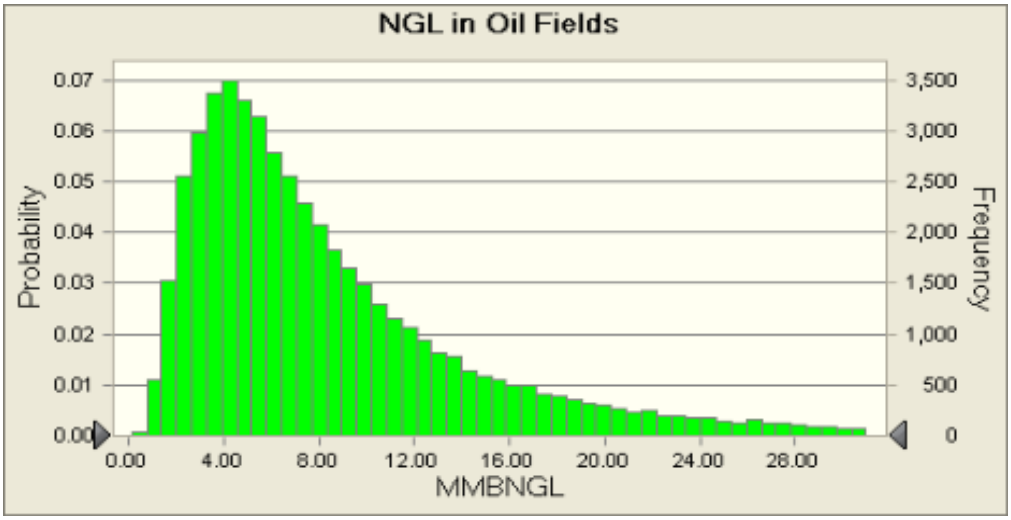
Statistics:	Forecast values
Trials	50,000
Mean	510.13
Median	381.83
Mode	---
Standard Deviation	428.97
Variance	184,018.00
Skewness	2.60
Kurtosis	13.72
Coefficient of Variability	0.8409
Minimum	4.07
Maximum	5,560.36
Range Width	5,556.29
Mean Standard Error	1.92

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	4.07
95%	120.88
90%	155.05
85%	185.03
80%	211.21
75%	237.17
70%	263.41
65%	290.92
60%	318.66
55%	349.54
50%	381.82
45%	417.79
40%	460.06
35%	508.02
30%	562.99
25%	631.23
20%	719.10
15%	836.94
10%	1,018.22
5%	1,335.99
0%	5,560.36

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.09 to 97.79
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.04



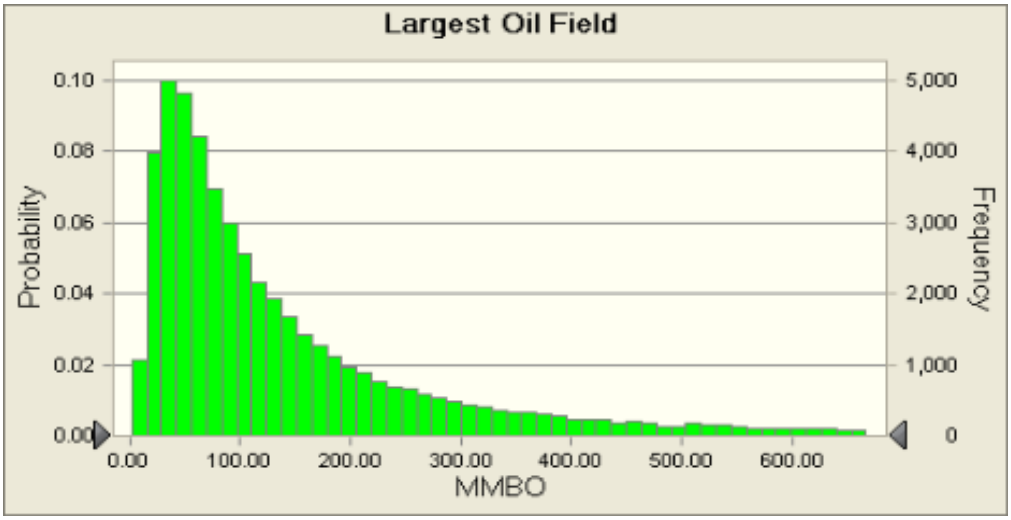
Statistics:	Forecast values
Trials	50,000
Mean	9.03
Median	6.70
Mode	---
Standard Deviation	7.84
Variance	61.54
Skewness	2.83
Kurtosis	15.97
Coefficient of Variability	0.8688
Minimum	0.09
Maximum	97.79
Range Width	97.70
Mean Standard Error	0.04

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.09
95%	2.09
90%	2.68
85%	3.21
80%	3.68
75%	4.14
70%	4.59
65%	5.07
60%	5.57
55%	6.11
50%	6.70
45%	7.36
40%	8.08
35%	8.92
30%	9.89
25%	11.13
20%	12.66
15%	14.79
10%	18.02
5%	23.99
0%	97.79

Forecast: Largest Oil Field

Summary:
Entire range is from 1.71 to 1,199.96
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.81



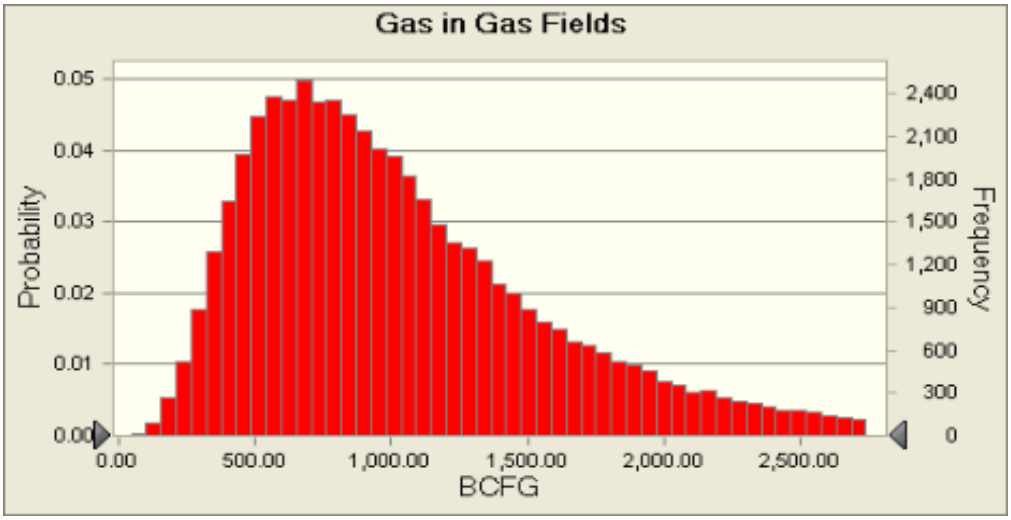
Statistics:	Forecast values
Trials	50,000
Mean	159.00
Median	94.48
Mode	---
Standard Deviation	181.46
Variance	32,929.29
Skewness	2.58
Kurtosis	10.80
Coefficient of Variability	1.14
Minimum	1.71
Maximum	1,199.96
Range Width	1,198.25
Mean Standard Error	0.81

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	1.71
95%	21.08
90%	28.69
85%	35.63
80%	42.33
75%	49.31
70%	56.42
65%	64.19
60%	73.02
55%	83.09
50%	94.48
45%	107.20
40%	122.45
35%	140.51
30%	162.56
25%	190.78
20%	229.37
15%	283.65
10%	369.96
5%	539.50
0%	1,199.96

Forecast: Gas in Gas Fields

Summary:
Entire range is from 48.36 to 5,723.06
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.69



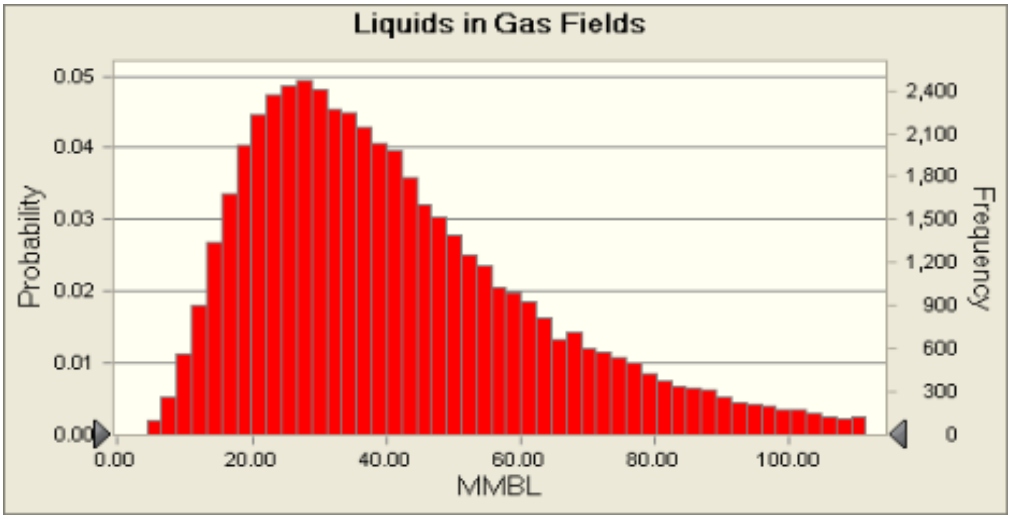
Statistics:	Forecast values
Trials	50,000
Mean	1,057.53
Median	921.63
Mode	---
Standard Deviation	600.76
Variance	360,911.45
Skewness	1.42
Kurtosis	5.94
Coefficient of Variability	0.5681
Minimum	48.36
Maximum	5,723.06
Range Width	5,674.70
Mean Standard Error	2.69

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	48.36
95%	356.65
90%	442.55
85%	508.64
80%	567.82
75%	625.59
70%	682.84
65%	739.41
60%	797.32
55%	858.02
50%	921.61
45%	989.10
40%	1,060.85
35%	1,139.28
30%	1,235.13
25%	1,341.57
20%	1,469.14
15%	1,635.20
10%	1,861.94
5%	2,237.04
0%	5,723.06

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 2.05 to 227.27
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.11



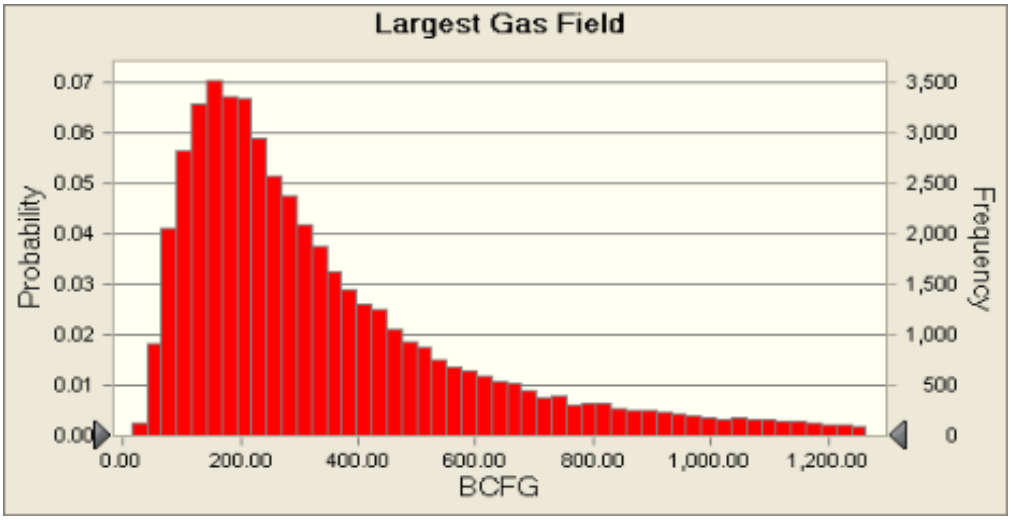
Statistics:	Forecast values
Trials	50,000
Mean	42.89
Median	37.29
Mode	---
Standard Deviation	24.50
Variance	600.32
Skewness	1.44
Kurtosis	6.04
Coefficient of Variability	0.5713
Minimum	2.05
Maximum	227.27
Range Width	225.23
Mean Standard Error	0.11

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	2.05
95%	14.38
90%	17.88
85%	20.60
80%	22.97
75%	25.35
70%	27.60
65%	29.88
60%	32.25
55%	34.78
50%	37.29
45%	40.05
40%	42.89
35%	46.19
30%	49.92
25%	54.35
20%	59.67
15%	66.47
10%	75.63
5%	90.72
0%	227.27

Forecast: Largest Gas Field

Summary:
Entire range is from 14.18 to 1,999.37
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.42



Statistics:	Forecast values
Trials	50,000
Mean	374.01
Median	270.16
Mode	---
Standard Deviation	318.10
Variance	101,186.04
Skewness	2.06
Kurtosis	7.86
Coefficient of Variability	0.8505
Minimum	14.18
Maximum	1,999.37
Range Width	1,985.19
Mean Standard Error	1.42

Forecast: Largest Gas Field (continued)

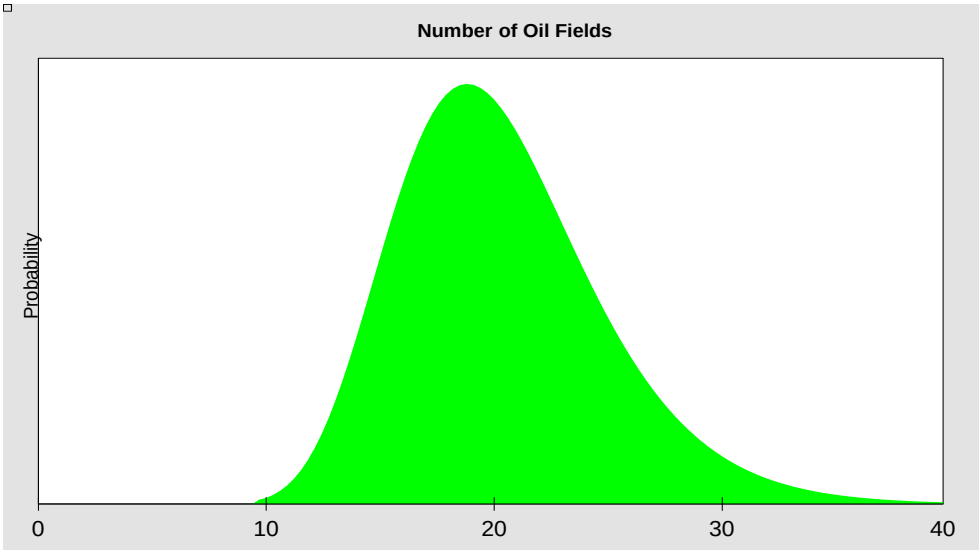
Percentiles:	BCFG
100%	14.18
95%	84.81
90%	109.10
85%	128.98
80%	147.66
75%	165.88
70%	184.65
65%	203.87
60%	223.14
55%	245.37
50%	270.15
45%	297.00
40%	328.72
35%	365.70
30%	410.26
25%	463.00
20%	534.55
15%	632.13
10%	784.27
5%	1,058.07
0%	1,999.37

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	19.52	20.52
Standard Deviation	4.61	4.61
Selected range is from -Infinity to 39.00		1.00 to 40.00



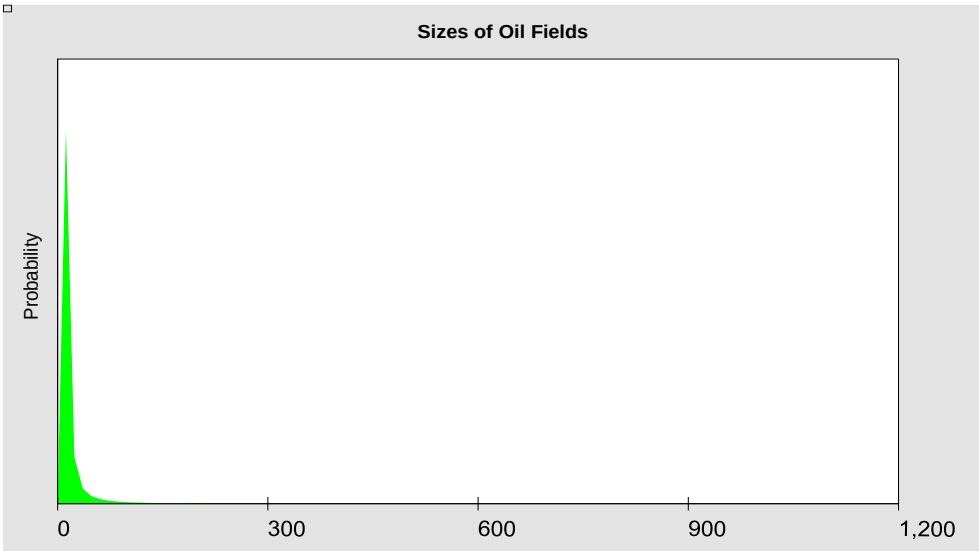
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.52	20.50
Median	19.99	19.99
Mode	---	---
Standard Deviation	4.59	4.55
Variance	21.04	20.73
Skewness	0.6531	0.6404
Kurtosis	3.54	3.52
Coefficient of Variability	0.2236	0.2221
Minimum	7.05	1.00
Maximum	40.00	40.00
Range Width	32.95	39.00
Mean Standard Error	0.02	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.05	1.00
95%	13.94	13.96
90%	15.09	15.10
85%	15.91	15.93
80%	16.61	16.62
75%	17.25	17.24
70%	17.82	17.81
65%	18.37	18.37
60%	18.91	18.91
55%	19.45	19.45
50%	19.99	19.99
45%	20.56	20.56
40%	21.15	21.15
35%	21.78	21.77
30%	22.47	22.46
25%	23.24	23.22
20%	24.13	24.10
15%	25.22	25.16
10%	26.64	26.57
5%	28.91	28.80
0%	40.00	40.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	18.39	18.89
Standard Deviation	134.07	134.07
Selected range is from -Infinity to 1,199.50		0.50 to 1,200.00



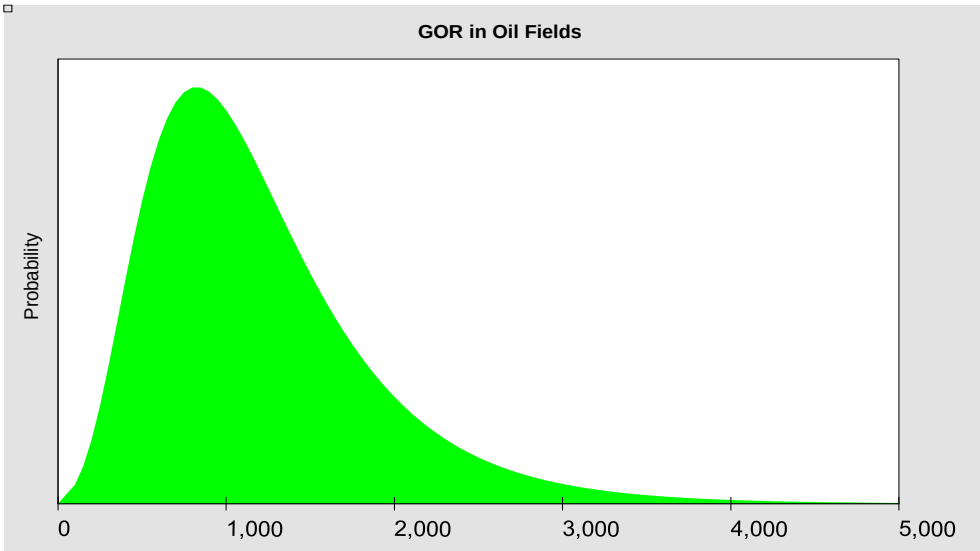
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	16.29	16.91
Median	2.97	2.99
Mode	---	---
Standard Deviation	55.60	55.49
Variance	3,091.09	3,078.89
Skewness	9.72	9.75
Kurtosis	132.92	132.40
Coefficient of Variability	3.41	3.28
Minimum	0.50	0.50
Maximum	1,198.38	1,200.00
Range Width	1,197.88	1,199.50
Mean Standard Error	0.25	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	0.50	0.50
95%	0.59	0.59
90%	0.69	0.69
85%	0.81	0.81
80%	0.96	0.96
75%	1.15	1.15
70%	1.37	1.38
65%	1.65	1.66
60%	1.99	2.00
55%	2.42	2.44
50%	2.97	2.99
45%	3.68	3.70
40%	4.64	4.63
35%	5.87	5.88
30%	7.53	7.60
25%	9.94	10.07
20%	13.61	13.86
15%	19.88	20.18
10%	31.97	32.52
5%	64.87	66.14
0%	1,198.38	1,200.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1,327.05	1,527.05
Standard Deviation	626.62	626.62
Selected range is from -Infinity to 4,800.00		200.00 to 5,000.00



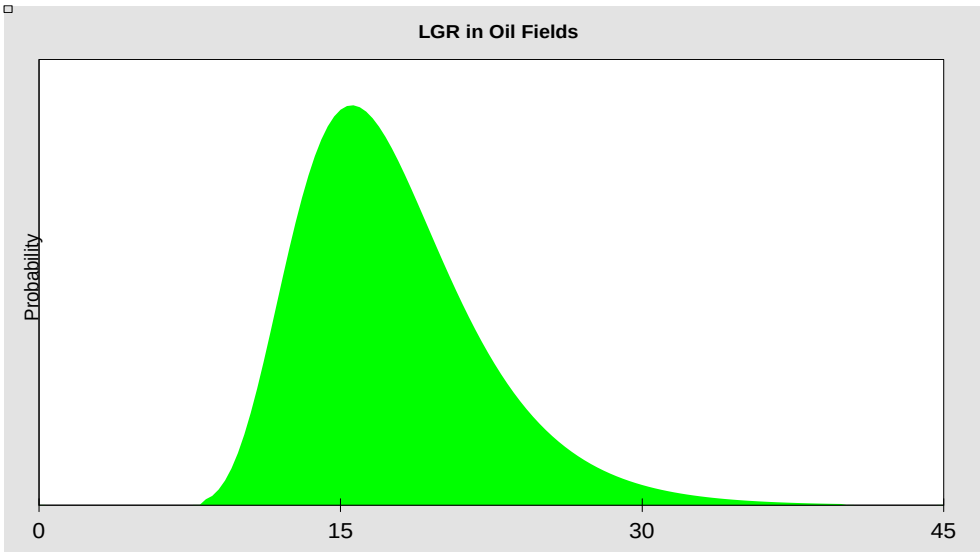
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,525.63	1,522.89
Median	1,401.22	1,399.32
Mode	---	---
Standard Deviation	614.91	612.63
Variance	378,117.27	375,313.69
Skewness	1.30	1.31
Kurtosis	5.48	5.52
Coefficient of Variability	0.4031	0.4023
Minimum	376.68	200.00
Maximum	4,966.68	5,000.00
Range Width	4,590.00	4,800.00
Mean Standard Error	2.75	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	376.68	200.00
95%	776.74	773.59
90%	877.70	875.10
85%	954.49	953.56
80%	1,022.70	1,022.35
75%	1,086.33	1,086.36
70%	1,147.74	1,148.06
65%	1,209.85	1,209.07
60%	1,270.09	1,270.57
55%	1,334.42	1,333.64
50%	1,401.22	1,399.32
45%	1,468.48	1,468.80
40%	1,544.39	1,543.51
35%	1,627.06	1,625.33
30%	1,719.19	1,716.92
25%	1,827.97	1,822.33
20%	1,957.25	1,948.27
15%	2,118.73	2,107.27
10%	2,335.07	2,327.57
5%	2,717.52	2,699.68
0%	4,966.68	5,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	13.73	17.73
Standard Deviation	4.65	4.65
Selected range is from -Infinity to 36.00		4.00 to 40.00



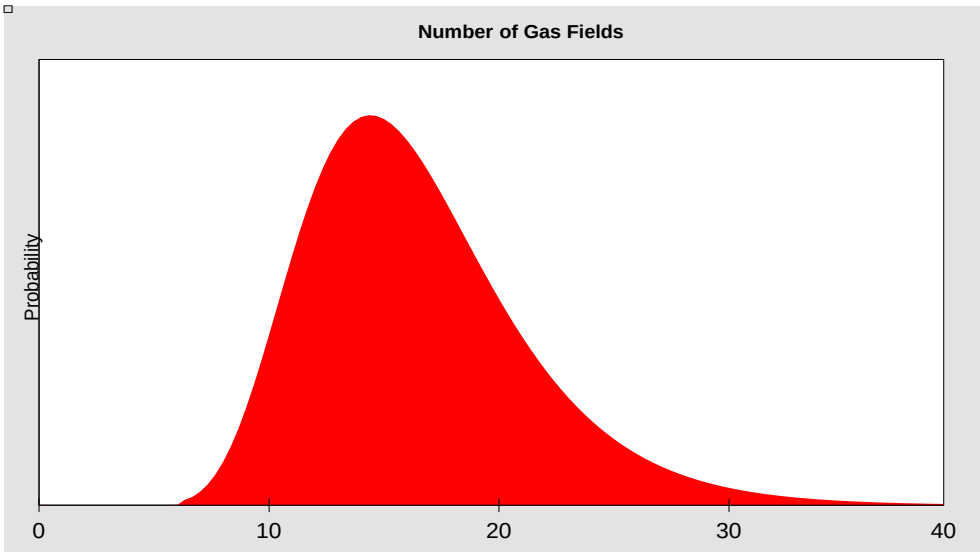
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	17.68	17.70
Median	16.97	16.99
Mode	---	---
Standard Deviation	4.55	4.58
Variance	20.67	20.96
Skewness	0.9327	0.9309
Kurtosis	4.24	4.22
Coefficient of Variability	0.2571	0.2587
Minimum	7.42	4.00
Maximum	39.96	40.00
Range Width	32.54	36.00
Mean Standard Error	0.02	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.42	4.00
95%	11.60	11.56
90%	12.53	12.52
85%	13.24	13.24
80%	13.85	13.85
75%	14.42	14.41
70%	14.95	14.93
65%	15.45	15.45
60%	15.96	15.95
55%	16.45	16.47
50%	16.97	16.99
45%	17.53	17.54
40%	18.10	18.13
35%	18.73	18.75
30%	19.43	19.44
25%	20.19	20.22
20%	21.10	21.14
15%	22.23	22.27
10%	23.74	23.80
5%	26.22	26.29
0%	39.96	40.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	15.73	16.73
Standard Deviation	4.98	4.98
Selected range is from -Infinity to 39.00		1.00 to 40.00



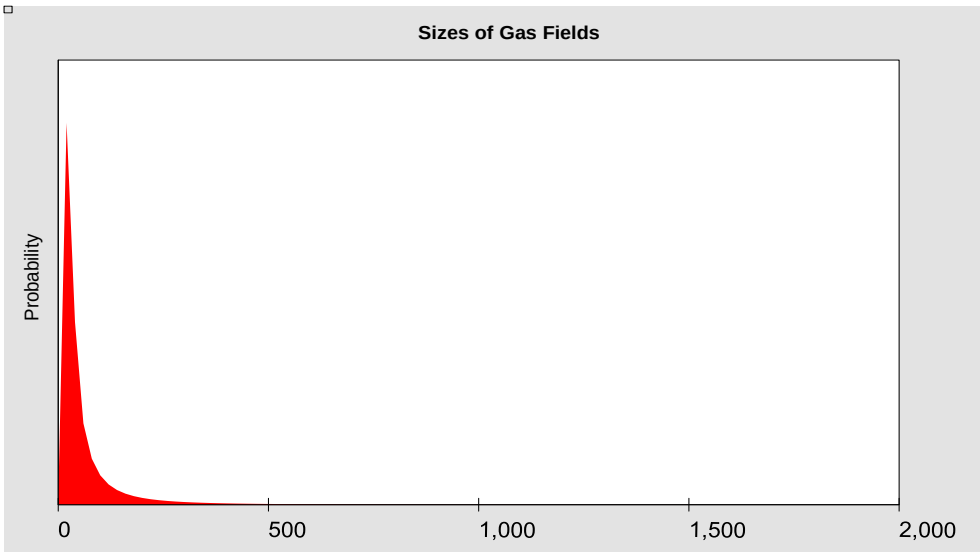
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	16.67	16.71
Median	15.93	15.99
Mode	---	---
Standard Deviation	4.92	4.91
Variance	24.25	24.13
Skewness	0.8916	0.8687
Kurtosis	4.14	4.05
Coefficient of Variability	0.2955	0.2940
Minimum	5.40	1.00
Maximum	40.00	40.00
Range Width	34.59	39.00
Mean Standard Error	0.02	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.40	1.00
95%	9.97	10.02
90%	11.05	11.09
85%	11.85	11.88
80%	12.52	12.56
75%	13.12	13.17
70%	13.70	13.75
65%	14.25	14.31
60%	14.80	14.87
55%	15.36	15.42
50%	15.93	15.99
45%	16.53	16.59
40%	17.15	17.21
35%	17.84	17.89
30%	18.60	18.63
25%	19.46	19.47
20%	20.40	20.44
15%	21.63	21.64
10%	23.22	23.26
5%	25.81	25.87
0%	40.00	40.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	63.78	66.78
Standard Deviation	173.54	173.54
Selected range is from -Infinity to 1,997.00		3.00 to 2,000.00



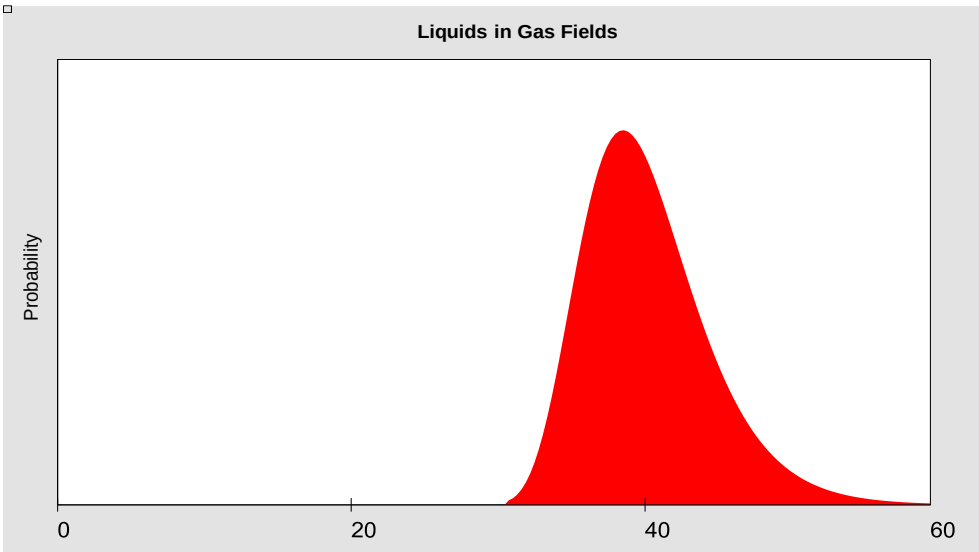
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	63.65	63.63
Median	24.87	24.96
Mode	---	---
Standard Deviation	126.98	125.59
Variance	16,124.26	15,773.13
Skewness	6.27	6.14
Kurtosis	59.08	57.36
Coefficient of Variability	1.99	1.97
Minimum	3.03	3.00
Maximum	1,985.63	2,000.00
Range Width	1,982.60	1,997.00
Mean Standard Error	0.57	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	3.03	3.00
95%	5.05	4.99
90%	6.45	6.39
85%	7.90	7.84
80%	9.50	9.44
75%	11.27	11.21
70%	13.24	13.22
65%	15.54	15.52
60%	18.12	18.18
55%	21.22	21.28
50%	24.87	24.96
45%	29.24	29.37
40%	34.58	34.77
35%	41.32	41.50
30%	50.09	50.14
25%	61.67	61.66
20%	77.95	77.80
15%	102.76	102.28
10%	144.70	144.65
5%	242.10	242.26
0%	1,985.63	2,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	15.57	40.57
Standard Deviation	4.35	4.35
Selected range is from -Infinity to 35.00		25.00 to 60.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	40.55	40.55
Median	39.99	39.99
Mode	---	---
Standard Deviation	4.30	4.30
Variance	18.46	18.46
Skewness	0.7473	0.7633
Kurtosis	3.71	3.78
Coefficient of Variability	0.1060	0.1059
Minimum	30.11	25.00
Maximum	59.76	60.00
Range Width	29.65	35.00
Mean Standard Error	0.02	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.11	25.00
95%	34.55	34.55
90%	35.54	35.55
85%	36.29	36.29
80%	36.91	36.91
75%	37.47	37.46
70%	37.98	37.99
65%	38.49	38.49
60%	38.98	38.99
55%	39.47	39.49
50%	39.99	39.99
45%	40.51	40.52
40%	41.07	41.07
35%	41.68	41.66
30%	42.31	42.31
25%	43.06	43.04
20%	43.91	43.88
15%	44.95	44.91
10%	46.29	46.29
5%	48.52	48.49
0%	59.76	60.00

End of Assumptions

Simulation started on 2/27/2009 at 11:40:43
Simulation stopped on 2/27/2009 at 12:07:08