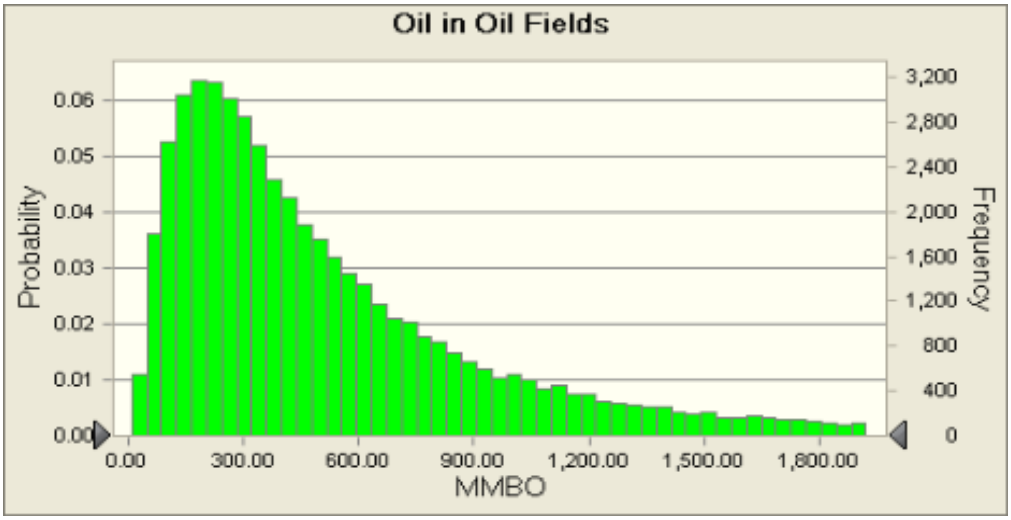
60970101
Barinas Foothills and Foreland
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 10.13 to 6,120.98
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.19



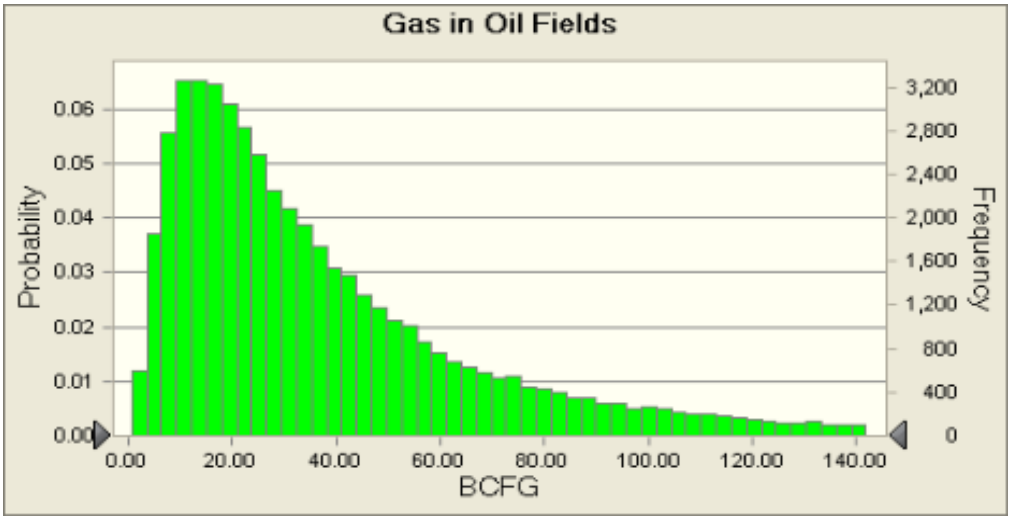
Statistics:	Forecast values
Trials	50,000
Mean	550.93
Median	397.95
Mode	---
Standard Deviation	488.69
Variance	238,815.84
Skewness	2.06
Kurtosis	8.92
Coefficient of Variability	0.8870
Minimum	10.13
Maximum	6,120.98
Range Width	6,110.85
Mean Standard Error	2.19

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	10.13
95%	90.47
90%	127.38
85%	159.13
80%	189.88
75%	220.30
70%	252.26
65%	284.56
60%	318.38
55%	355.90
50%	397.94
45%	444.60
40%	497.64
35%	557.48
30%	626.36
25%	712.68
20%	819.35
15%	967.20
10%	1,180.35
5%	1,566.66
0%	6,120.98

Forecast: Gas in Oil Fields

Summary:
Entire range is from 0.67 to 407.72
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.16



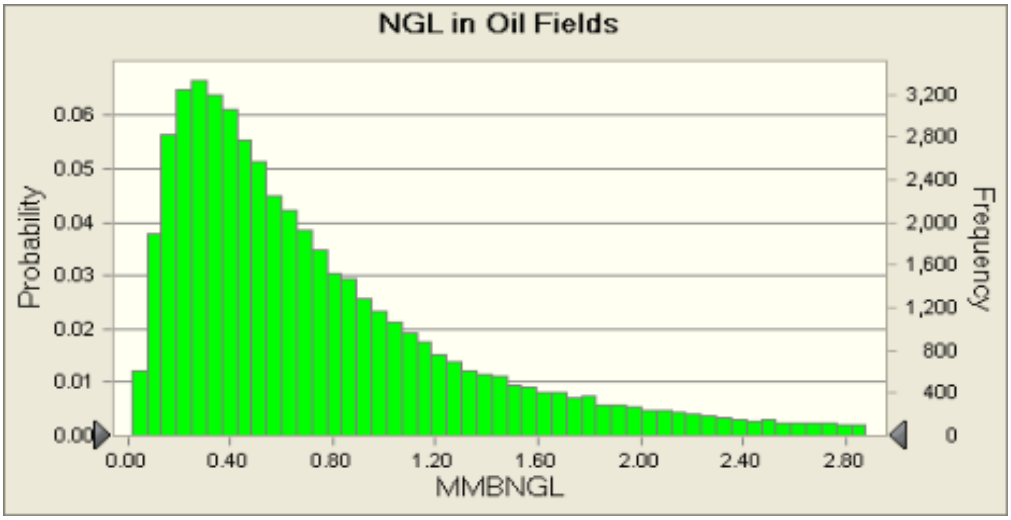
Statistics:	Forecast values
Trials	50,000
Mean	39.96
Median	28.62
Mode	---
Standard Deviation	36.38
Variance	1,323.28
Skewness	2.21
Kurtosis	9.96
Coefficient of Variability	0.9104
Minimum	0.67
Maximum	407.72
Range Width	407.05
Mean Standard Error	0.16

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	0.67
95%	6.50
90%	9.08
85%	11.34
80%	13.54
75%	15.75
70%	17.97
65%	20.32
60%	22.82
55%	25.52
50%	28.62
45%	31.98
40%	35.75
35%	40.10
30%	45.12
25%	51.28
20%	59.04
15%	70.06
10%	85.91
5%	113.92
0%	407.72

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.01 to 8.72
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.00



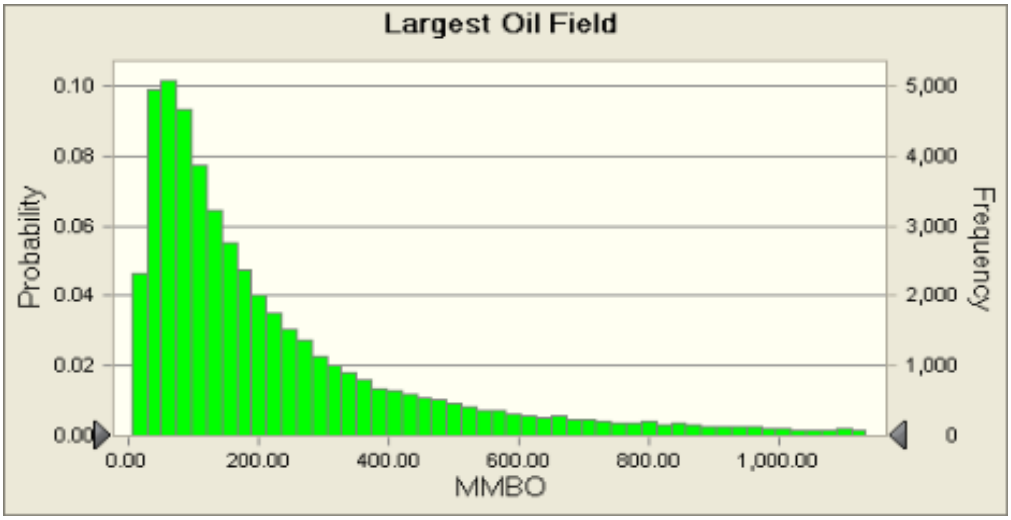
Statistics:	Forecast values
Trials	50,000
Mean	0.81
Median	0.58
Mode	---
Standard Deviation	0.74
Variance	0.55
Skewness	2.24
Kurtosis	10.29
Coefficient of Variability	0.9143
Minimum	0.01
Maximum	8.72
Range Width	8.70
Mean Standard Error	0.00

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.01
95%	0.13
90%	0.18
85%	0.23
80%	0.27
75%	0.32
70%	0.36
65%	0.41
60%	0.46
55%	0.52
50%	0.58
45%	0.65
40%	0.72
35%	0.81
30%	0.91
25%	1.04
20%	1.19
15%	1.42
10%	1.74
5%	2.31
0%	8.72

Forecast: Largest Oil Field

Summary:
Entire range is from 3.26 to 1,997.63
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.39



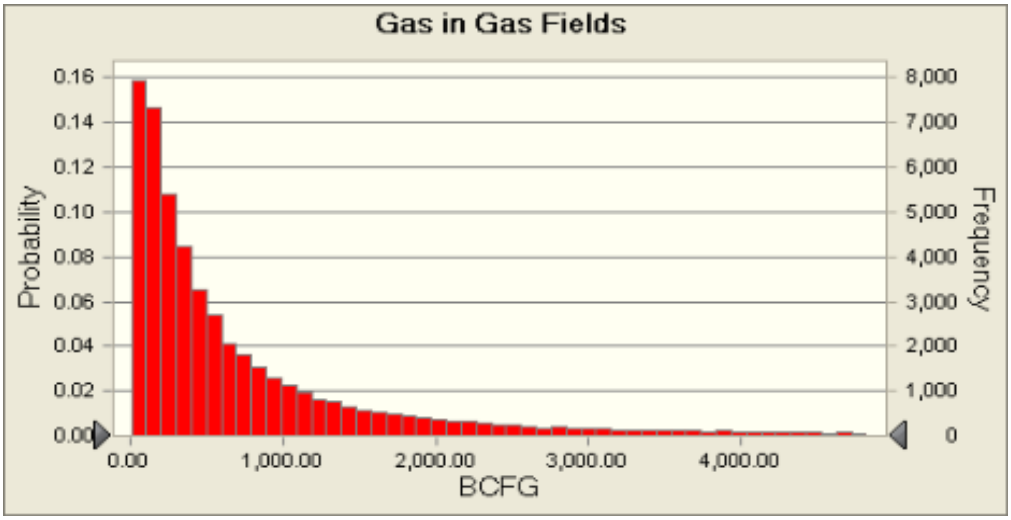
Statistics:	Forecast values
Trials	50,000
Mean	261.45
Median	148.44
Mode	---
Standard Deviation	311.10
Variance	96,783.62
Skewness	2.52
Kurtosis	10.22
Coefficient of Variability	1.19
Minimum	3.26
Maximum	1,997.63
Range Width	1,994.37
Mean Standard Error	1.39

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	3.26
95%	27.30
90%	39.64
85%	50.39
80%	61.57
75%	73.08
70%	84.97
65%	98.08
60%	112.85
55%	129.73
50%	148.44
45%	170.24
40%	195.30
35%	226.41
30%	264.13
25%	312.96
20%	379.79
15%	477.24
10%	631.44
5%	927.10
0%	1,997.63

Forecast: Gas in Gas Fields

Summary:
Entire range is from 3.87 to 17,666.69
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.28



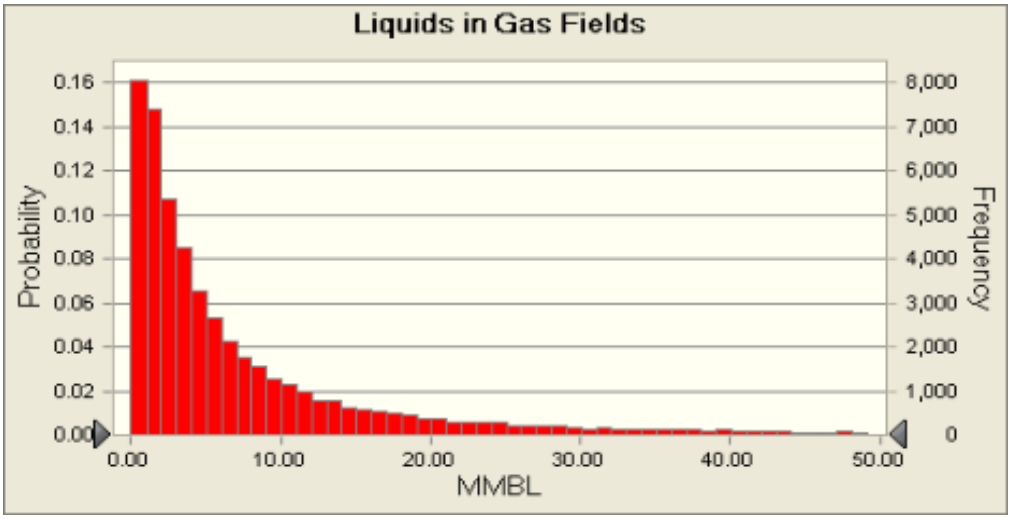
Statistics:	Forecast values
Trials	50,000
Mean	887.01
Median	399.85
Mode	---
Standard Deviation	1,405.06
Variance	1,974,181.07
Skewness	3.92
Kurtosis	24.05
Coefficient of Variability	1.58
Minimum	3.87
Maximum	17,666.69
Range Width	17,662.82
Mean Standard Error	6.28

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	3.87
95%	42.24
90%	69.72
85%	97.13
80%	126.07
75%	158.90
70%	196.16
65%	238.05
60%	284.88
55%	339.14
50%	399.85
45%	474.80
40%	561.46
35%	670.24
30%	805.37
25%	980.67
20%	1,219.11
15%	1,580.61
10%	2,166.67
5%	3,446.76
0%	17,666.69

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.04 to 194.02
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.06



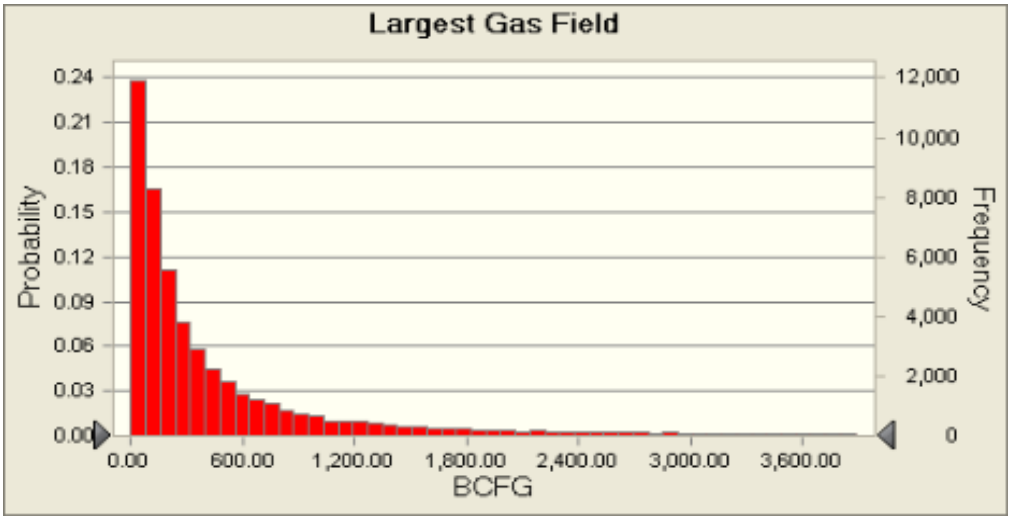
Statistics:	Forecast values
Trials	50,000
Mean	8.97
Median	4.03
Mode	---
Standard Deviation	14.32
Variance	204.94
Skewness	4.01
Kurtosis	25.51
Coefficient of Variability	1.60
Minimum	0.04
Maximum	194.02
Range Width	193.98
Mean Standard Error	0.06

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.04
95%	0.43
90%	0.70
85%	0.98
80%	1.27
75%	1.60
70%	1.97
65%	2.39
60%	2.88
55%	3.42
50%	4.03
45%	4.79
40%	5.65
35%	6.78
30%	8.15
25%	9.89
20%	12.27
15%	15.97
10%	21.91
5%	34.82
0%	194.02

Forecast: Largest Gas Field

Summary:
Entire range is from 3.11 to 11,962.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.21



Statistics:	Forecast values
Trials	50,000
Mean	620.46
Median	228.54
Mode	---
Standard Deviation	1,164.77
Variance	1,356,688.56
Skewness	4.48
Kurtosis	28.97
Coefficient of Variability	1.88
Minimum	3.11
Maximum	11,962.87
Range Width	11,959.76
Mean Standard Error	5.21

Forecast: Largest Gas Field (continued)

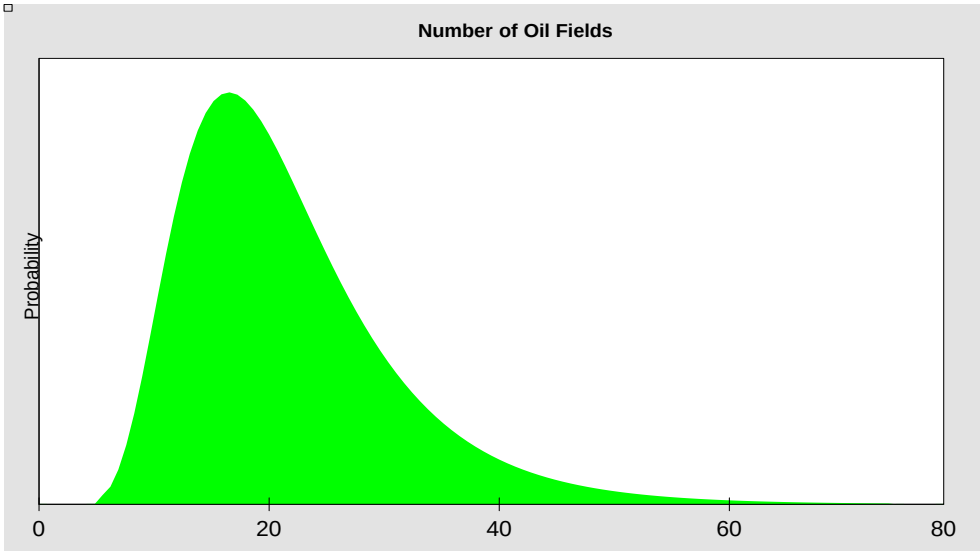
Percentiles:	BCFG
100%	3.11
95%	22.15
90%	36.85
85%	51.97
80%	68.49
75%	86.42
70%	107.56
65%	131.70
60%	159.47
55%	190.21
50%	228.54
45%	273.19
40%	329.71
35%	399.40
30%	489.14
25%	610.56
20%	774.87
15%	1,034.11
10%	1,498.79
5%	2,585.31
0%	11,962.87

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	20.93	21.93
Standard Deviation	9.67	9.67
Selected range is from -Infinity to 74.00		1.00 to 75.00



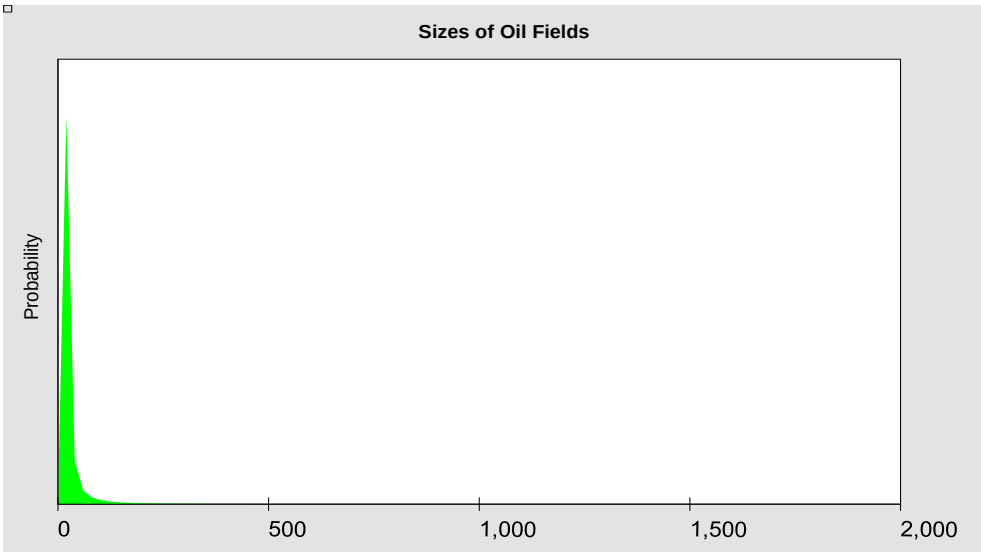
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	21.93	21.87
Median	20.07	19.99
Mode	---	---
Standard Deviation	9.46	9.46
Variance	89.43	89.56
Skewness	1.28	1.28
Kurtosis	5.38	5.41
Coefficient of Variability	0.4312	0.4328
Minimum	4.41	1.00
Maximum	74.78	75.00
Range Width	70.37	74.00
Mean Standard Error	0.04	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.41	1.00
95%	10.28	10.21
90%	11.86	11.81
85%	13.11	13.04
80%	14.19	14.12
75%	15.22	15.12
70%	16.15	16.08
65%	17.11	17.03
60%	18.05	17.99
55%	19.05	18.97
50%	20.07	19.99
45%	21.12	21.07
40%	22.30	22.23
35%	23.54	23.49
30%	24.94	24.91
25%	26.55	26.54
20%	28.51	28.48
15%	30.95	30.93
10%	34.31	34.32
5%	40.20	40.02
0%	74.78	75.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	28.87	29.37
Standard Deviation	236.43	236.43
Selected range is from -Infinity to 1,999.50		0.50 to 2,000.00



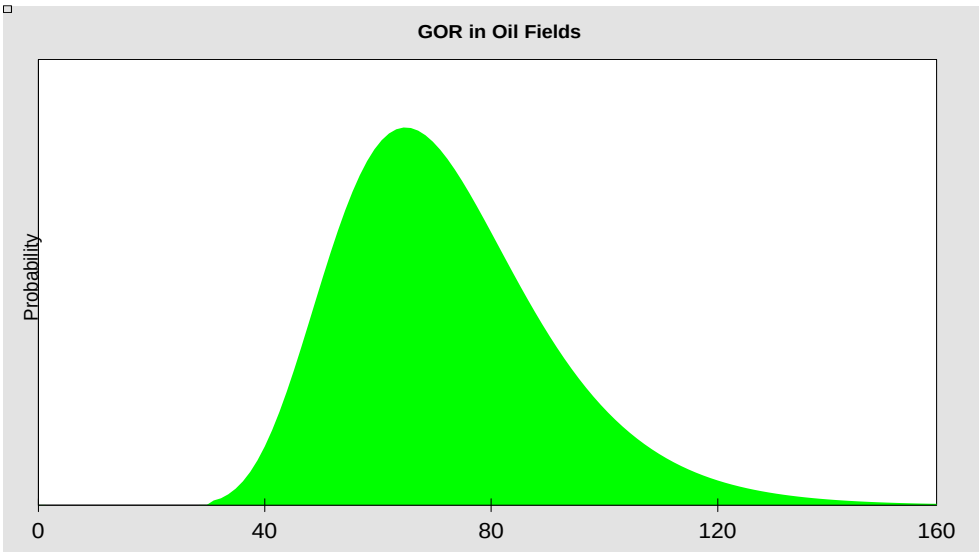
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	25.24	26.06
Median	4.07	3.99
Mode	---	---
Standard Deviation	91.75	90.04
Variance	8,418.70	8,107.89
Skewness	10.33	10.14
Kurtosis	148.36	142.22
Coefficient of Variability	3.64	3.46
Minimum	0.50	0.50
Maximum	1,984.58	2,000.00
Range Width	1,984.08	1,999.50
Mean Standard Error	0.41	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	0.50	0.50
95%	0.62	0.62
90%	0.76	0.75
85%	0.92	0.92
80%	1.12	1.12
75%	1.37	1.37
70%	1.69	1.69
65%	2.09	2.08
60%	2.60	2.58
55%	3.23	3.20
50%	4.07	3.99
45%	5.12	5.02
40%	6.51	6.37
35%	8.36	8.20
30%	10.89	10.74
25%	14.52	14.42
20%	20.42	20.11
15%	29.80	29.71
10%	48.04	48.68
5%	100.46	101.29
0%	1,984.58	2,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	67.62	72.62
Standard Deviation	19.40	19.4
Selected range is from -Infinity to 155.00		5.00 to 160.00



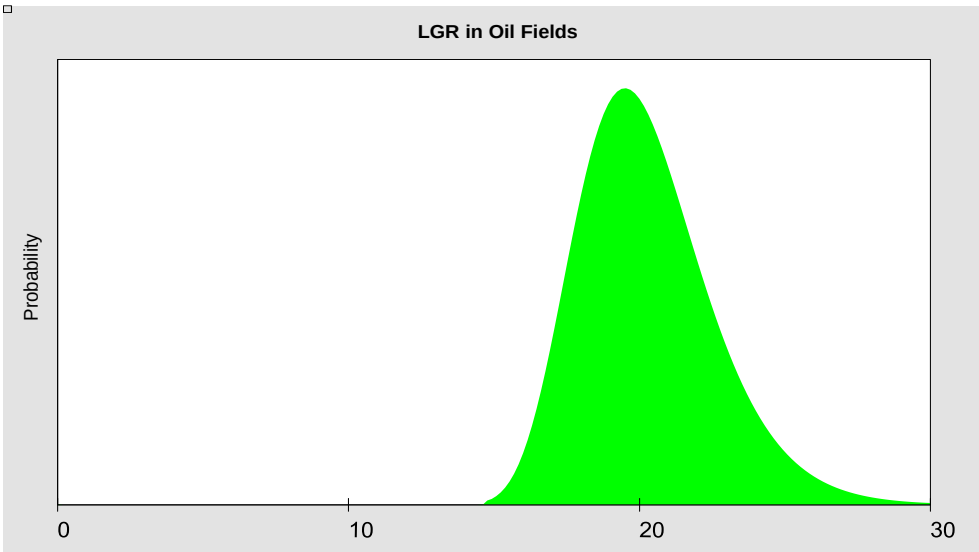
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	72.46	72.52
Median	69.86	69.98
Mode	---	---
Standard Deviation	19.03	19.14
Variance	362.16	366.50
Skewness	0.7800	0.7843
Kurtosis	3.84	3.83
Coefficient of Variability	0.2626	0.2640
Minimum	24.79	5.00
Maximum	159.90	160.00
Range Width	135.12	155.00
Mean Standard Error	0.09	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	24.79	5.00
95%	45.92	45.92
90%	50.47	50.32
85%	53.60	53.56
80%	56.35	56.29
75%	58.81	58.76
70%	61.05	61.07
65%	63.33	63.31
60%	65.46	65.51
55%	67.64	67.72
50%	69.86	69.98
45%	72.27	72.31
40%	74.70	74.77
35%	77.39	77.40
30%	80.26	80.29
25%	83.50	83.53
20%	87.15	87.29
15%	91.78	91.91
10%	97.79	98.07
5%	107.53	107.97
0%	159.90	160.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	10.25	20.25
Standard Deviation	2.33	2.33
Selected range is from -Infinity to 20.00		10.00 to 30.00



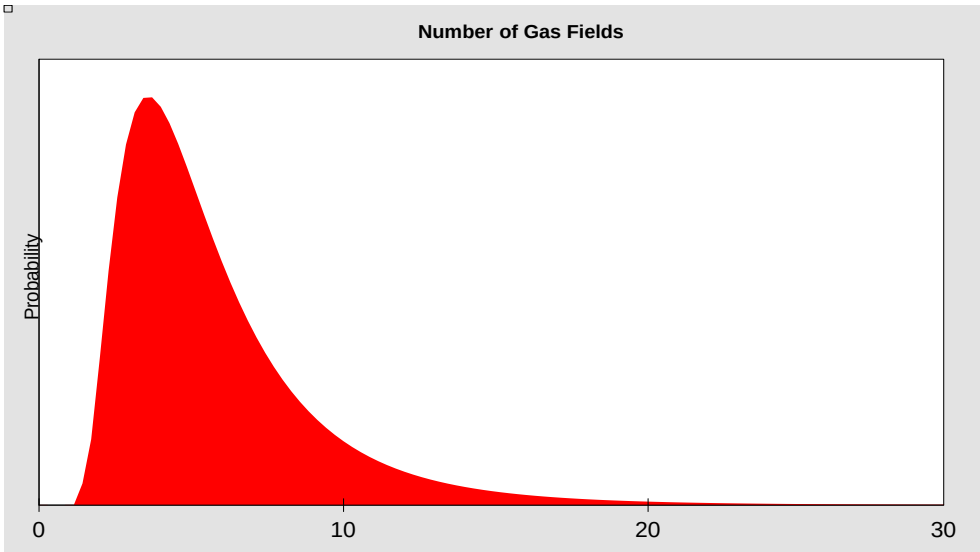
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.25	20.24
Median	20.01	20.00
Mode	---	---
Standard Deviation	2.31	2.30
Variance	5.32	5.31
Skewness	0.6148	0.6157
Kurtosis	3.47	3.47
Coefficient of Variability	0.1139	0.1138
Minimum	13.79	10.00
Maximum	29.99	30.00
Range Width	16.19	20.00
Mean Standard Error	0.01	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	13.79	10.00
95%	16.93	16.91
90%	17.51	17.50
85%	17.92	17.92
80%	18.28	18.28
75%	18.59	18.59
70%	18.90	18.89
65%	19.18	19.17
60%	19.46	19.45
55%	19.74	19.72
50%	20.01	20.00
45%	20.30	20.28
40%	20.59	20.58
35%	20.91	20.90
30%	21.26	21.24
25%	21.65	21.63
20%	22.09	22.07
15%	22.60	22.61
10%	23.31	23.32
5%	24.47	24.43
0%	29.99	30.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	4.91	5.91
Standard Deviation	3.50	3.5
Selected range is from -Infinity to 29.00		1.00 to 30.00



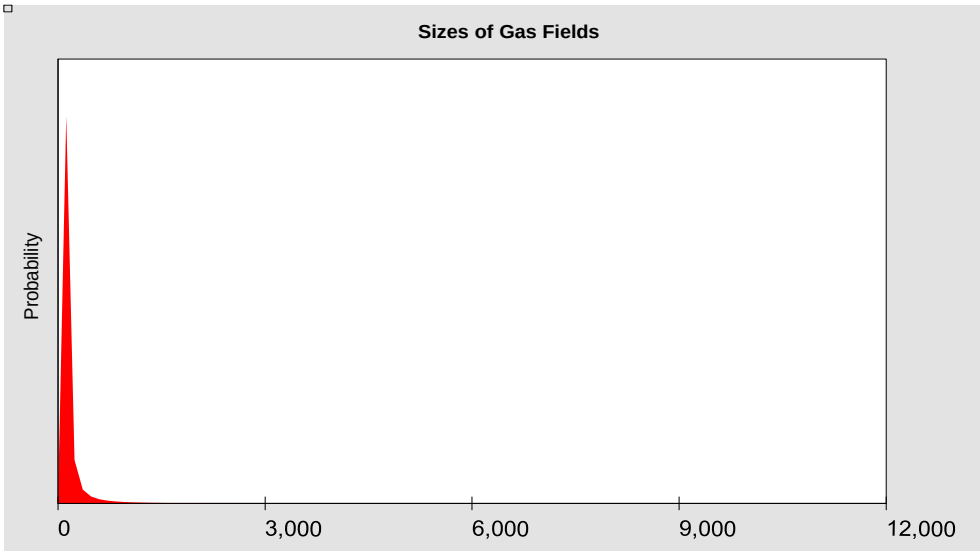
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	5.90	5.88
Median	5.02	5.00
Mode	---	---
Standard Deviation	3.38	3.36
Variance	11.43	11.32
Skewness	1.98	1.99
Kurtosis	8.93	8.95
Coefficient of Variability	0.5725	0.5719
Minimum	1.23	1.00
Maximum	29.99	30.00
Range Width	28.76	29.00
Mean Standard Error	0.02	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.23	1.00
95%	2.40	2.39
90%	2.75	2.76
85%	3.06	3.06
80%	3.34	3.33
75%	3.61	3.59
70%	3.87	3.86
65%	4.14	4.12
60%	4.42	4.40
55%	4.72	4.69
50%	5.02	5.00
45%	5.35	5.33
40%	5.72	5.70
35%	6.11	6.12
30%	6.59	6.59
25%	7.17	7.15
20%	7.90	7.85
15%	8.79	8.76
10%	10.13	10.07
5%	12.45	12.42
0%	29.99	30.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	173.24	176.24
Standard Deviation	1,418.57	1,418.57
Selected range is from -Infinity to 11,997.00		3.00 to 12,000.00



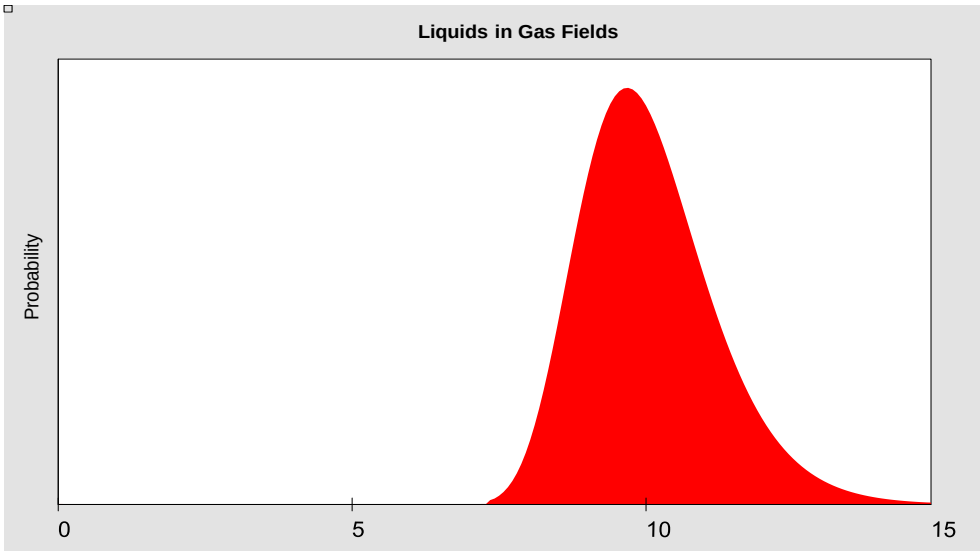
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	145.44	156.33
Median	24.01	23.95
Mode	---	---
Standard Deviation	509.09	540.26
Variance	259,176.99	291,883.88
Skewness	9.75	10.14
Kurtosis	133.95	142.22
Coefficient of Variability	3.50	3.46
Minimum	3.01	3.00
Maximum	11,768.32	12,000.00
Range Width	11,765.31	11,997.00
Mean Standard Error	2.28	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	3.01	3.00
95%	3.70	3.71
90%	4.49	4.51
85%	5.50	5.49
80%	6.71	6.72
75%	8.20	8.25
70%	10.11	10.14
65%	12.47	12.50
60%	15.46	15.45
55%	19.14	19.18
50%	24.01	23.95
45%	30.17	30.11
40%	38.25	38.23
35%	49.07	49.18
30%	63.87	64.42
25%	84.74	86.54
20%	118.28	120.64
15%	175.38	178.25
10%	286.97	292.09
5%	588.05	607.74
0%	11,768.32	12,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	5.13	10.13
Standard Deviation	1.16	1.16
Selected range is from -Infinity to 10.00		5.00 to 15.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	10.12	10.12
Median	10.00	10.00
Mode	---	---
Standard Deviation	1.15	1.15
Variance	1.32	1.33
Skewness	0.6092	0.6157
Kurtosis	3.47	3.47
Coefficient of Variability	0.1136	0.1138
Minimum	6.90	5.00
Maximum	14.96	15.00
Range Width	8.06	10.00
Mean Standard Error	0.01	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.90	5.00
95%	8.45	8.46
90%	8.75	8.75
85%	8.96	8.96
80%	9.14	9.14
75%	9.30	9.30
70%	9.44	9.44
65%	9.58	9.59
60%	9.72	9.72
55%	9.86	9.86
50%	10.00	10.00
45%	10.14	10.14
40%	10.29	10.29
35%	10.45	10.45
30%	10.62	10.62
25%	10.81	10.81
20%	11.04	11.04
15%	11.31	11.30
10%	11.65	11.66
5%	12.19	12.22
0%	14.96	15.00

End of Assumptions

Simulation started on 2/11/2010 at 12:06:04
Simulation stopped on 2/11/2010 at 12:31:41