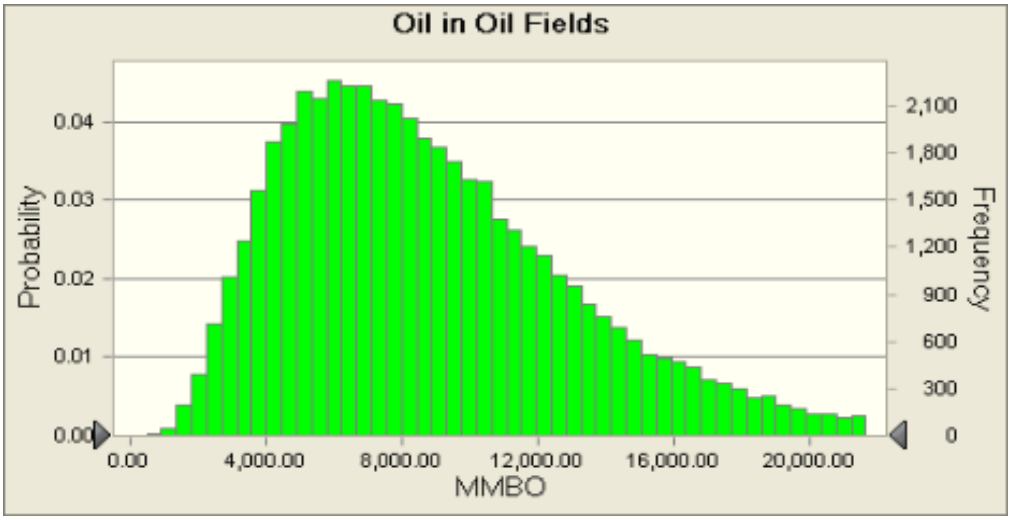
72030302
Central Congo Turbidites
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 42.94 to 40,063.49
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 20.29



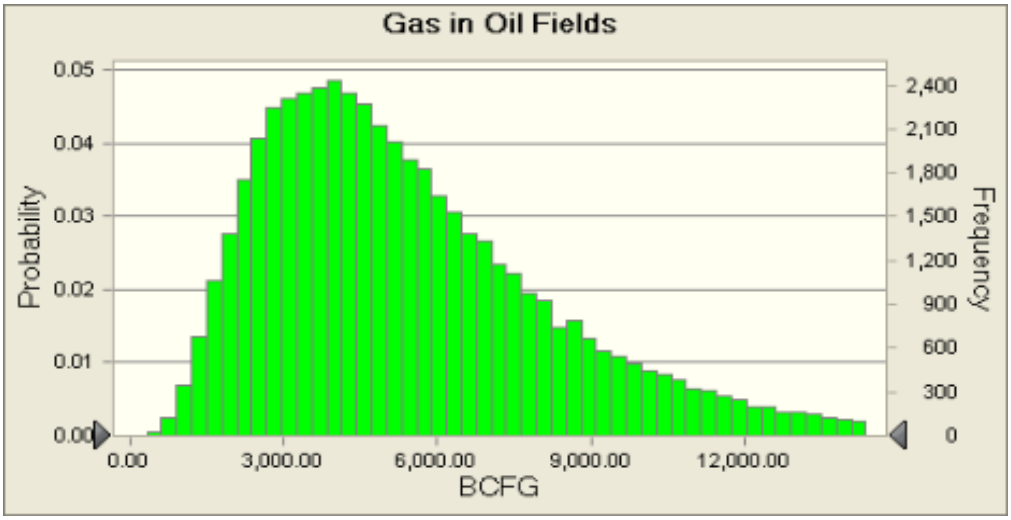
Statistics:	Forecast values
Trials	50,000
Mean	8,967.21
Median	8,133.12
Mode	---
Standard Deviation	4,537.00
Variance	20,584,357.66
Skewness	1.08
Kurtosis	4.67
Coefficient of Variability	0.5060
Minimum	42.94
Maximum	40,063.49
Range Width	40,020.55
Mean Standard Error	20.29

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	42.94
95%	3,185.54
90%	3,977.11
85%	4,567.37
80%	5,104.12
75%	5,602.35
70%	6,111.40
65%	6,599.74
60%	7,092.48
55%	7,611.88
50%	8,133.05
45%	8,690.96
40%	9,295.54
35%	9,937.02
30%	10,619.20
25%	11,429.27
20%	12,367.80
15%	13,499.25
10%	15,086.59
5%	17,596.61
0%	40,063.49

Forecast: Gas in Oil Fields

Summary:
Entire range is from 36.19 to 34,989.90
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 14.06



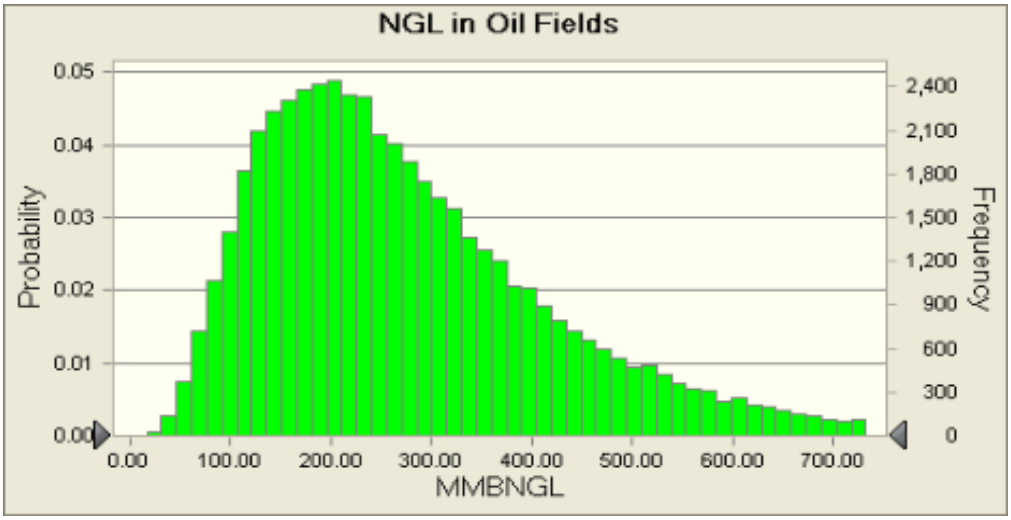
Statistics:	Forecast values
Trials	50,000
Mean	5,567.46
Median	4,885.43
Mode	---
Standard Deviation	3,143.32
Variance	9,880,455.22
Skewness	1.49
Kurtosis	6.75
Coefficient of Variability	0.5646
Minimum	36.19
Maximum	34,989.90
Range Width	34,953.71
Mean Standard Error	14.06

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	36.19
95%	1,850.07
90%	2,320.69
85%	2,679.12
80%	3,007.44
75%	3,319.70
70%	3,630.72
65%	3,935.86
60%	4,245.53
55%	4,552.76
50%	4,885.43
45%	5,244.12
40%	5,632.99
35%	6,048.57
30%	6,523.06
25%	7,061.81
20%	7,711.97
15%	8,549.68
10%	9,687.83
5%	11,566.85
0%	34,989.90

Forecast: NGL in Oil Fields

Summary:
Entire range is from 1.85 to 1,905.10
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.72



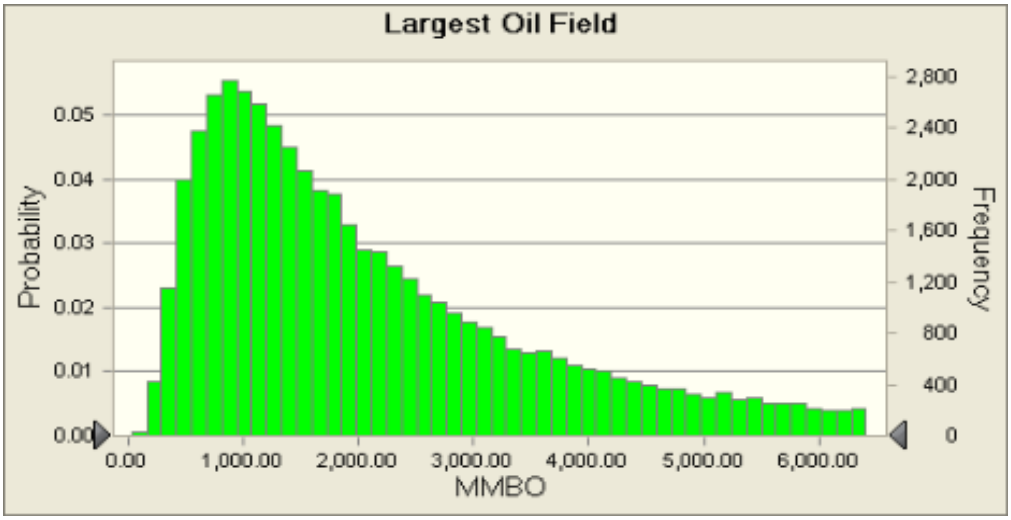
Statistics:	Forecast values
Trials	50,000
Mean	282.47
Median	247.24
Mode	---
Standard Deviation	160.90
Variance	25,889.84
Skewness	1.54
Kurtosis	7.13
Coefficient of Variability	0.5696
Minimum	1.85
Maximum	1,905.10
Range Width	1,903.25
Mean Standard Error	0.72

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	1.85
95%	93.63
90%	117.20
85%	135.32
80%	151.93
75%	168.09
70%	183.55
65%	199.00
60%	214.47
55%	230.55
50%	247.24
45%	265.39
40%	285.08
35%	306.96
30%	330.49
25%	358.39
20%	391.96
15%	433.25
10%	493.06
5%	589.38
0%	1,905.10

Forecast: Largest Oil Field

Summary:
Entire range is from 28.73 to 6,998.27
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.81



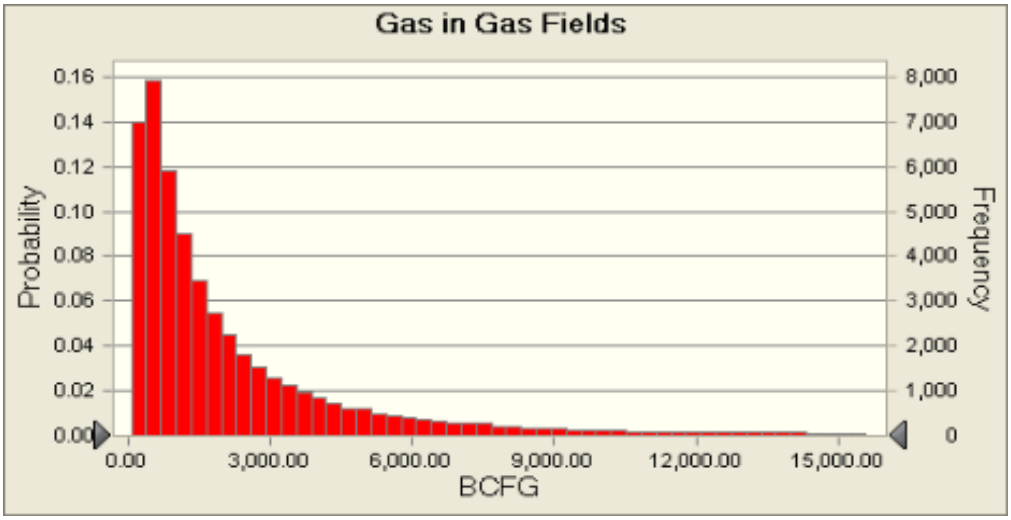
Statistics:	Forecast values
Trials	50,000
Mean	2,148.21
Median	1,695.24
Mode	---
Standard Deviation	1,521.73
Variance	2,315,665.78
Skewness	1.15
Kurtosis	3.69
Coefficient of Variability	0.7084
Minimum	28.73
Maximum	6,998.27
Range Width	6,969.54
Mean Standard Error	6.81

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	28.73
95%	479.51
90%	629.25
85%	756.00
80%	871.53
75%	992.39
70%	1,113.28
65%	1,243.29
60%	1,381.86
55%	1,530.39
50%	1,695.15
45%	1,873.36
40%	2,083.00
35%	2,308.90
30%	2,583.22
25%	2,906.22
20%	3,300.28
15%	3,799.42
10%	4,466.62
5%	5,452.95
0%	6,998.27

Forecast: Gas in Gas Fields

Summary:
Entire range is from 61.98 to 79,535.10
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 20.41



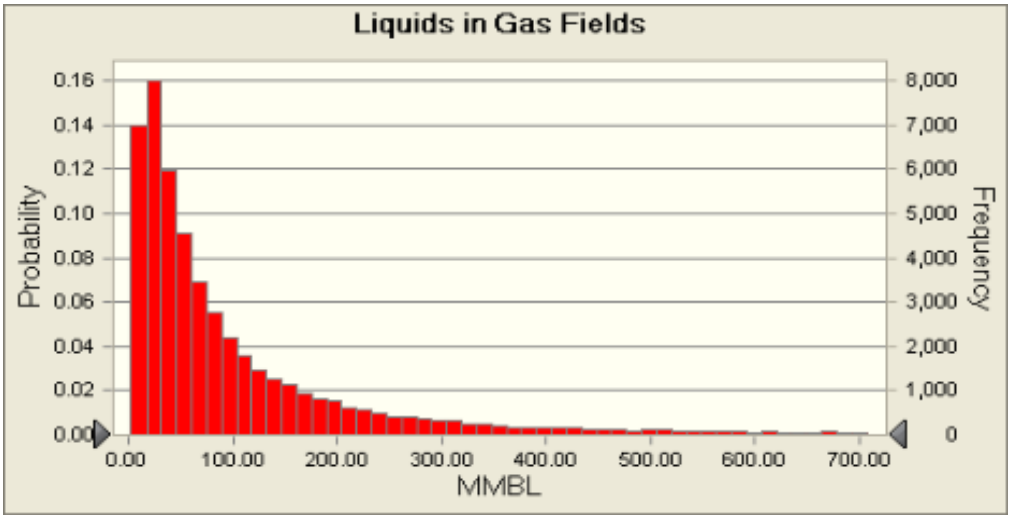
Statistics:	Forecast values
Trials	50,000
Mean	2,814.46
Median	1,304.40
Mode	---
Standard Deviation	4,563.44
Variance	20,824,944.83
Skewness	4.32
Kurtosis	28.24
Coefficient of Variability	1.62
Minimum	61.98
Maximum	79,535.10
Range Width	79,473.12
Mean Standard Error	20.41

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	61.98
95%	215.20
90%	305.96
85%	397.25
80%	490.09
75%	593.50
70%	700.22
65%	823.18
60%	962.56
55%	1,118.44
50%	1,304.40
45%	1,519.94
40%	1,780.21
35%	2,094.61
30%	2,496.26
25%	3,010.56
20%	3,695.47
15%	4,724.52
10%	6,460.74
5%	10,436.56
0%	79,535.10

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 2.40 to 3,585.17
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.93



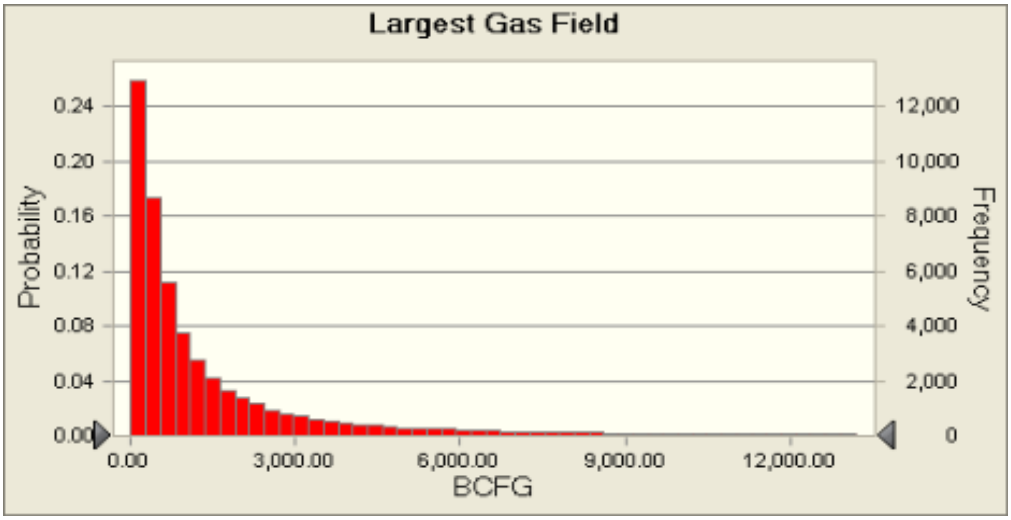
Statistics:	Forecast values
Trials	50,000
Mean	125.93
Median	57.80
Mode	---
Standard Deviation	207.33
Variance	42,985.50
Skewness	4.50
Kurtosis	31.00
Coefficient of Variability	1.65
Minimum	2.40
Maximum	3,585.17
Range Width	3,582.76
Mean Standard Error	0.93

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	2.40
95%	9.45
90%	13.55
85%	17.61
80%	21.68
75%	26.13
70%	31.08
65%	36.43
60%	42.75
55%	49.66
50%	57.80
45%	67.58
40%	78.91
35%	92.96
30%	110.39
25%	133.71
20%	165.50
15%	210.84
10%	289.68
5%	466.14
0%	3,585.17

Forecast: Largest Gas Field

Summary:
Entire range is from 31.21 to 41,916.08
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 17.79



Statistics:	Forecast values
Trials	50,000
Mean	2,013.88
Median	715.93
Mode	---
Standard Deviation	3,977.07
Variance	15,817,050.77
Skewness	4.82
Kurtosis	32.60
Coefficient of Variability	1.97
Minimum	31.21
Maximum	41,916.08
Range Width	41,884.87
Mean Standard Error	17.79

Forecast: Largest Gas Field (continued)

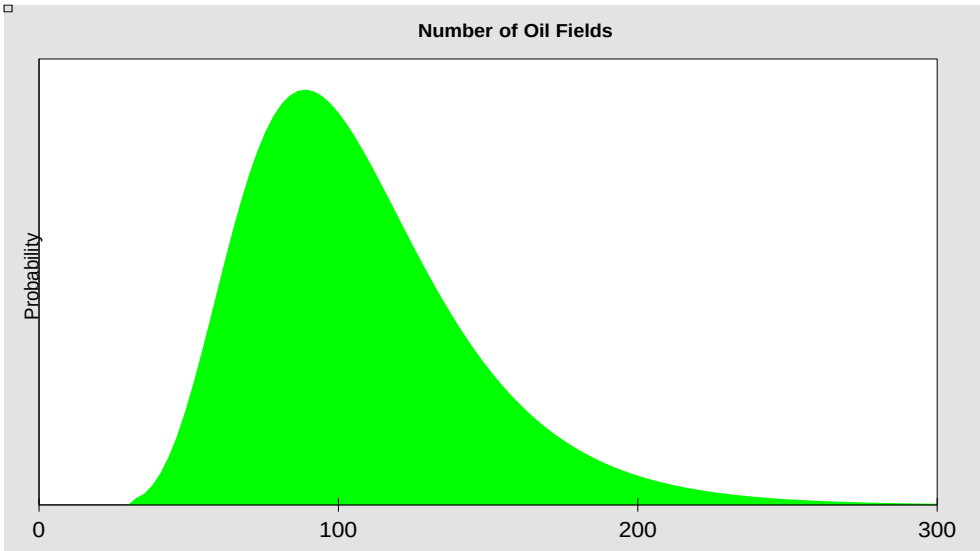
Percentiles:	BCFG
100%	31.21
95%	91.33
90%	136.22
85%	182.16
80%	232.48
75%	288.65
70%	352.41
65%	423.61
60%	507.21
55%	602.73
50%	715.92
45%	854.58
40%	1,026.49
35%	1,245.79
30%	1,525.79
25%	1,908.37
20%	2,431.67
15%	3,250.44
10%	4,709.07
5%	8,256.33
0%	41,916.08

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	105.54	106.54
Standard Deviation	38.99	38.99
Selected range is from -Infinity to 299.00		1.00 to 300.00



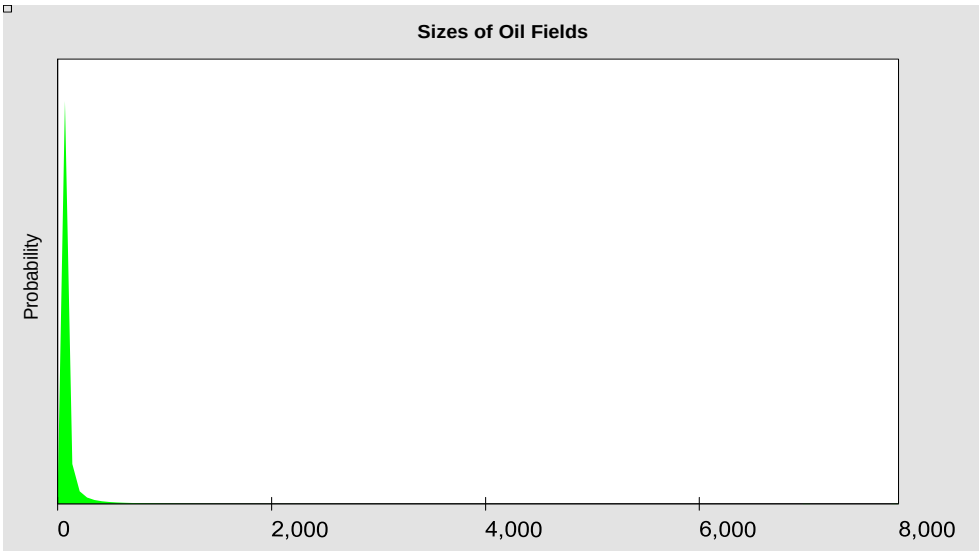
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	106.62	106.31
Median	100.05	99.96
Mode	---	---
Standard Deviation	38.63	38.34
Variance	1,492.11	1,469.72
Skewness	1.02	1.02
Kurtosis	4.45	4.48
Coefficient of Variability	0.3623	0.3606
Minimum	21.14	1.00
Maximum	299.64	300.00
Range Width	278.50	299.00
Mean Standard Error	0.17	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	21.14	1.00
95%	56.03	55.96
90%	63.55	63.58
85%	69.41	69.32
80%	74.43	74.24
75%	78.94	78.76
70%	83.23	83.04
65%	87.34	87.22
60%	91.46	91.39
55%	95.64	95.61
50%	100.05	99.96
45%	104.77	104.50
40%	109.61	109.33
35%	114.86	114.56
30%	120.74	120.34
25%	127.34	126.91
20%	135.23	134.64
15%	144.81	144.25
10%	158.04	157.29
5%	179.81	178.72
0%	299.64	300.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	94.58	99.58
Standard Deviation	889.60	889.6
Selected range is from -Infinity to 6,995.00		5.00 to 7,000.00



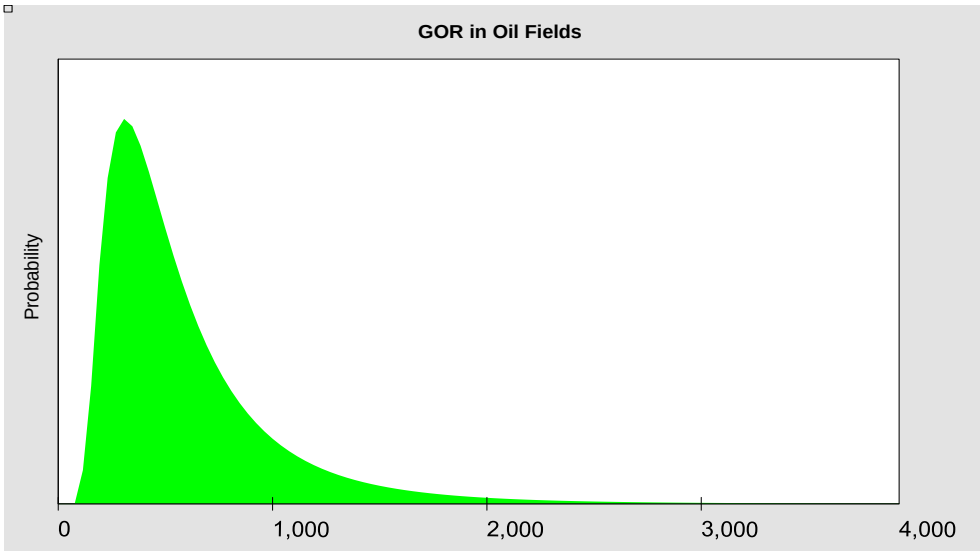
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	86.35	87.89
Median	15.02	14.97
Mode	---	---
Standard Deviation	317.42	305.68
Variance	100,752.66	93,443.22
Skewness	10.15	10.59
Kurtosis	139.64	154.02
Coefficient of Variability	3.68	3.48
Minimum	5.00	5.00
Maximum	6,966.34	7,000.00
Range Width	6,961.33	6,995.00
Mean Standard Error	1.42	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.00	5.00
95%	5.31	5.31
90%	5.66	5.66
85%	6.11	6.11
80%	6.71	6.68
75%	7.40	7.39
70%	8.33	8.28
65%	9.47	9.41
60%	10.87	10.83
55%	12.66	12.64
50%	15.02	14.97
45%	18.11	18.01
40%	22.16	22.05
35%	27.62	27.55
30%	34.95	35.26
25%	46.53	46.57
20%	63.66	64.18
15%	94.00	94.30
10%	155.75	154.67
5%	332.33	325.55
0%	6,966.34	7,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	524.81	624.81
Standard Deviation	445.75	445.75
Selected range is from -Infinity to 3,900.00		100.00 to 4,000.00



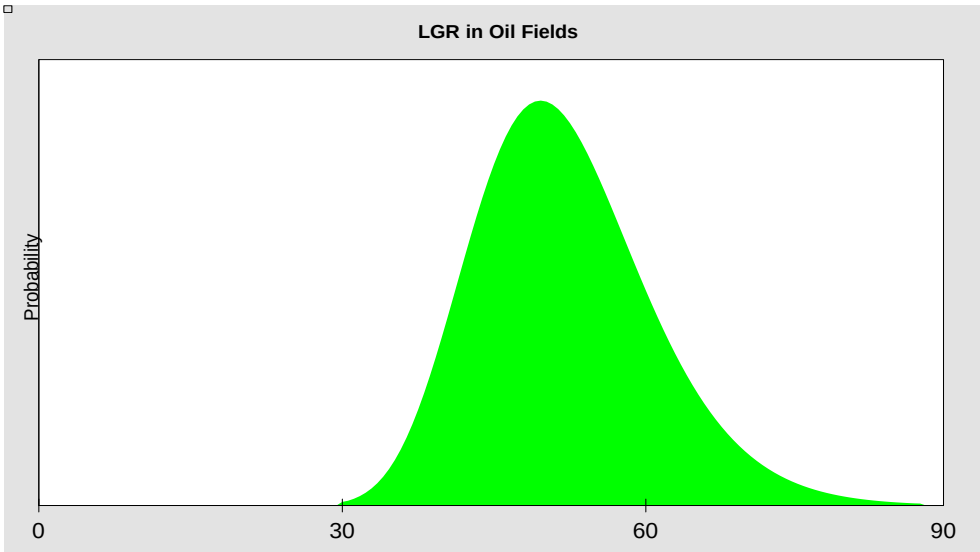
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	623.46	620.44
Median	503.08	499.63
Mode	---	---
Standard Deviation	421.62	422.58
Variance	177,761.28	178,572.64
Skewness	2.33	2.36
Kurtosis	11.22	11.44
Coefficient of Variability	0.6762	0.6811
Minimum	121.22	100.00
Maximum	3,985.67	4,000.00
Range Width	3,864.45	3,900.00
Mean Standard Error	1.89	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	121.22	100.00
95%	220.12	218.97
90%	257.09	255.49
85%	289.41	286.26
80%	318.33	315.01
75%	346.40	343.18
70%	374.39	371.61
65%	403.68	400.90
60%	433.86	431.62
55%	466.28	464.31
50%	503.08	499.63
45%	541.05	538.36
40%	585.12	581.56
35%	635.51	630.67
30%	693.50	687.84
25%	760.96	756.43
20%	848.72	842.20
15%	961.12	956.29
10%	1,128.56	1,124.72
5%	1,425.53	1,435.35
0%	3,985.67	4,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	45.79	50.79
Standard Deviation	8.60	8.6
Selected range is from -Infinity to 80.00		5.00 to 85.00



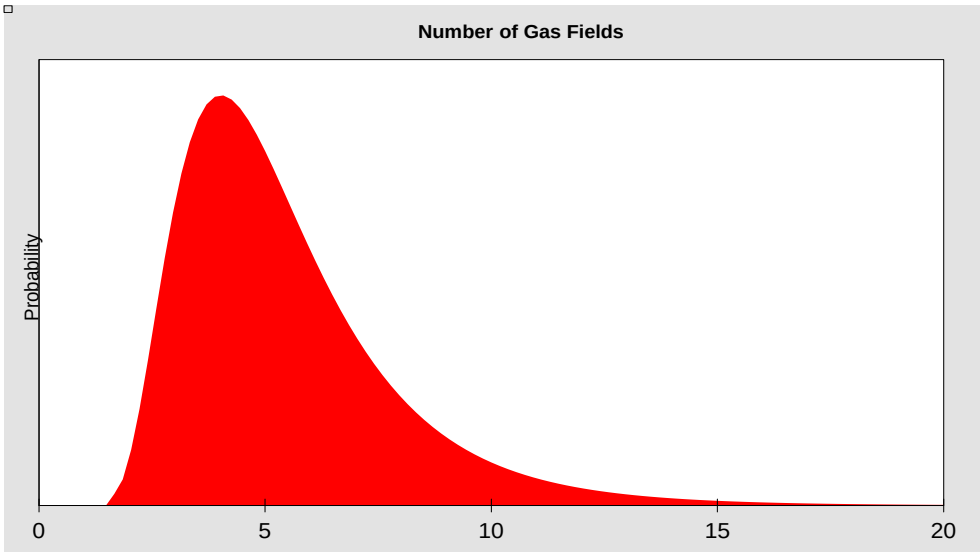
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	50.80	50.75
Median	50.03	49.99
Mode	---	---
Standard Deviation	8.53	8.52
Variance	72.77	72.53
Skewness	0.5255	0.5047
Kurtosis	3.35	3.28
Coefficient of Variability	0.1679	0.1678
Minimum	22.76	5.00
Maximum	84.95	85.00
Range Width	62.19	80.00
Mean Standard Error	0.04	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	22.76	5.00
95%	38.23	38.13
90%	40.49	40.44
85%	42.11	42.10
80%	43.49	43.47
75%	44.75	44.68
70%	45.86	45.81
65%	46.95	46.88
60%	48.00	47.92
55%	49.01	48.95
50%	50.03	49.99
45%	51.11	51.05
40%	52.20	52.16
35%	53.35	53.33
30%	54.59	54.60
25%	56.00	56.00
20%	57.61	57.61
15%	59.57	59.54
10%	62.09	62.07
5%	66.11	66.02
0%	84.95	85.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	4.54	5.54
Standard Deviation	2.44	2.44
Selected range is from -Infinity to 19.00		1.00 to 20.00



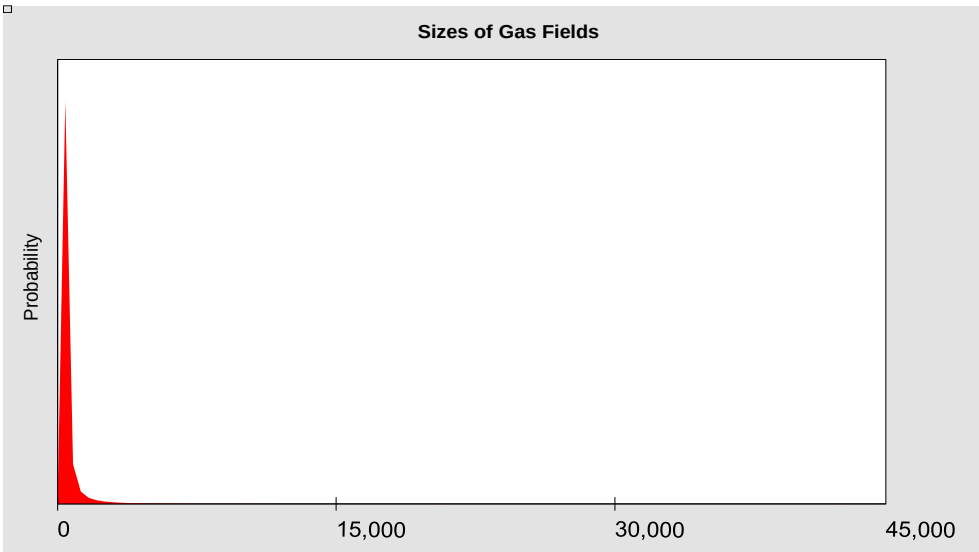
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	5.53	5.52
Median	4.99	5.00
Mode	---	---
Standard Deviation	2.40	2.38
Variance	5.74	5.66
Skewness	1.51	1.49
Kurtosis	6.36	6.32
Coefficient of Variability	0.4336	0.4307
Minimum	1.50	1.00
Maximum	19.97	20.00
Range Width	18.47	19.00
Mean Standard Error	0.01	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.50	1.00
95%	2.74	2.74
90%	3.09	3.10
85%	3.36	3.37
80%	3.61	3.62
75%	3.83	3.85
70%	4.06	4.07
65%	4.27	4.29
60%	4.51	4.52
55%	4.74	4.75
50%	4.99	5.00
45%	5.26	5.26
40%	5.54	5.54
35%	5.85	5.85
30%	6.21	6.21
25%	6.62	6.61
20%	7.12	7.11
15%	7.75	7.73
10%	8.62	8.61
5%	10.15	10.13
0%	19.97	20.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	567.50	597.5
Standard Deviation	5,337.58	5,337.58
Selected range is from -Infinity to 41,970.00		30.00 to 42,000.00



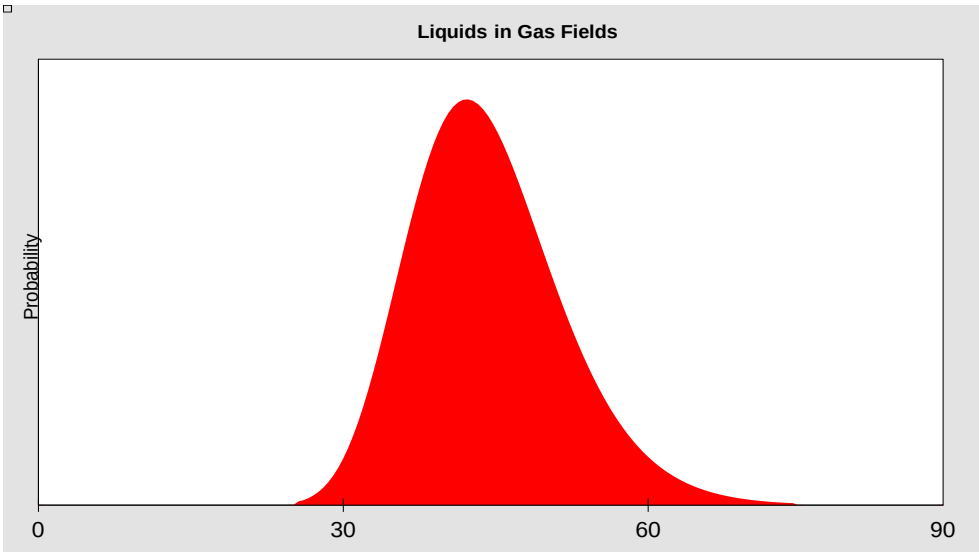
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	524.03	527.31
Median	90.00	89.84
Mode	---	---
Standard Deviation	1,986.25	1,834.11
Variance	3,945,192.18	3,363,956.01
Skewness	10.40	10.59
Kurtosis	143.02	154.02
Coefficient of Variability	3.79	3.48
Minimum	30.01	30.00
Maximum	41,596.38	42,000.00
Range Width	41,566.37	41,970.00
Mean Standard Error	8.88	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.01	30.00
95%	31.80	31.83
90%	33.98	33.96
85%	36.66	36.66
80%	40.08	40.06
75%	44.23	44.34
70%	49.57	49.70
65%	56.35	56.46
60%	64.72	64.99
55%	75.68	75.86
50%	90.00	89.84
45%	108.01	108.08
40%	131.45	132.32
35%	163.80	165.29
30%	209.57	211.59
25%	277.78	279.43
20%	384.25	385.10
15%	565.07	565.78
10%	932.26	928.04
5%	1,967.09	1,953.32
0%	41,596.38	42,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	39.71	44.71
Standard Deviation	7.58	7.58
Selected range is from -Infinity to 70.00		5.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	44.61	44.67
Median	43.95	43.99
Mode	---	---
Standard Deviation	7.50	7.51
Variance	56.19	56.39
Skewness	0.5144	0.5136
Kurtosis	3.32	3.30
Coefficient of Variability	0.1680	0.1681
Minimum	22.65	5.00
Maximum	74.97	75.00
Range Width	52.33	70.00
Mean Standard Error	0.03	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	22.65	5.00
95%	33.51	33.56
90%	35.56	35.60
85%	37.00	37.05
80%	38.20	38.25
75%	39.27	39.32
70%	40.24	40.31
65%	41.19	41.25
60%	42.13	42.17
55%	43.02	43.08
50%	43.95	43.99
45%	44.89	44.93
40%	45.86	45.90
35%	46.90	46.94
30%	47.99	48.05
25%	49.20	49.29
20%	50.62	50.71
15%	52.33	52.42
10%	54.49	54.66
5%	58.07	58.15
0%	74.97	75.00

End of Assumptions

Simulation started on 8/6/2009 at 16:00:01
Simulation stopped on 8/6/2009 at 17:06:54