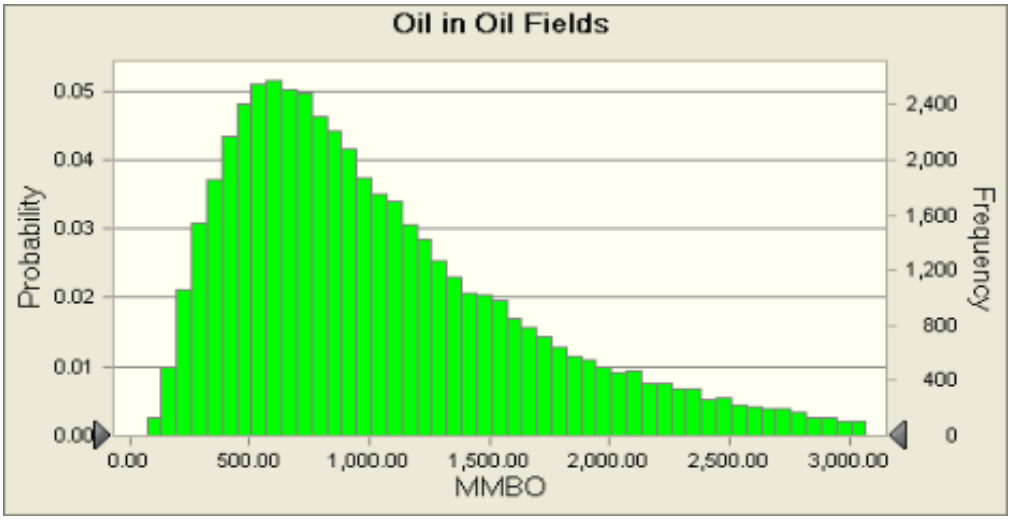
11090301
Stavropol-Prikumsk
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 7.90 to 6,783.53
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 3.17



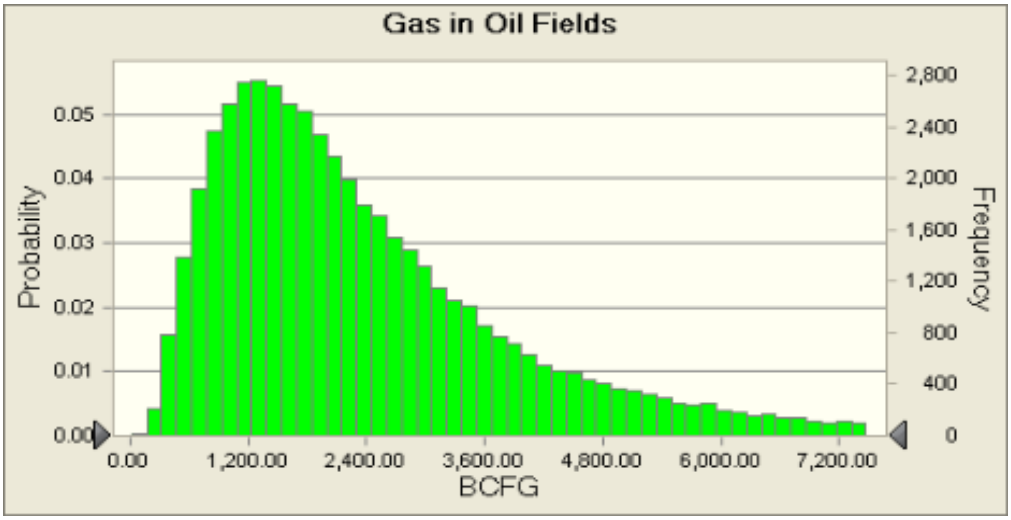
Statistics:	Forecast values
Trials	50,000
Mean	1,084.45
Median	902.51
Mode	---
Standard Deviation	708.47
Variance	501,927.87
Skewness	1.54
Kurtosis	6.42
Coefficient of Variability	0.6533
Minimum	7.90
Maximum	6,783.53
Range Width	6,775.63
Mean Standard Error	3.17

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	7.90
95%	291.97
90%	379.75
85%	450.81
80%	516.04
75%	576.76
70%	637.95
65%	700.11
60%	763.66
55%	831.59
50%	902.51
45%	981.17
40%	1,069.67
35%	1,163.15
30%	1,273.46
25%	1,407.02
20%	1,562.45
15%	1,762.02
10%	2,047.25
5%	2,488.70
0%	6,783.53

Forecast: Gas in Oil Fields

Summary:
Entire range is from 12.39 to 24,137.91
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 7.99



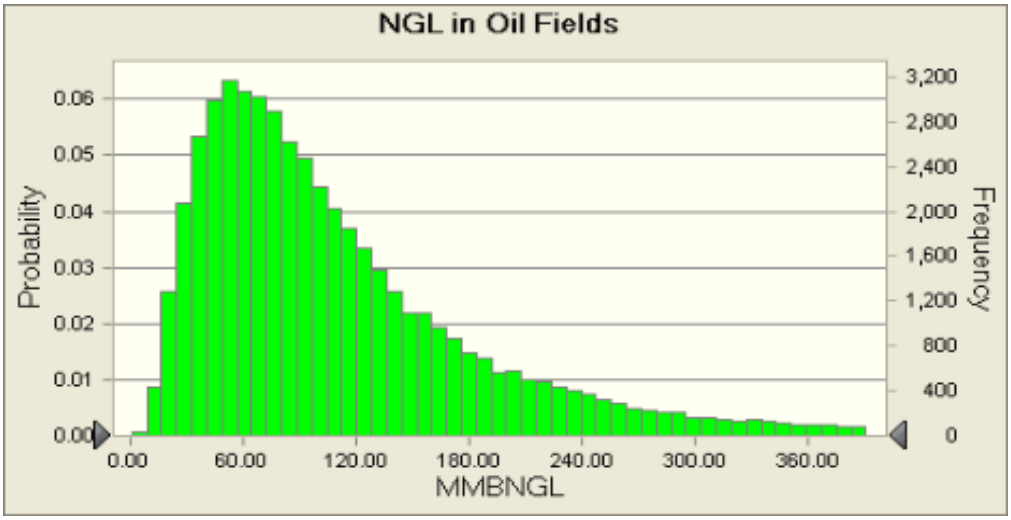
Statistics:	Forecast values
Trials	50,000
Mean	2,468.36
Median	1,994.00
Mode	---
Standard Deviation	1,787.19
Variance	3,194,048.43
Skewness	2.14
Kurtosis	10.97
Coefficient of Variability	0.7240
Minimum	12.39
Maximum	24,137.91
Range Width	24,125.53
Mean Standard Error	7.99

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	12.39
95%	628.78
90%	818.58
85%	975.65
80%	1,119.62
75%	1,255.10
70%	1,394.91
65%	1,534.47
60%	1,681.76
55%	1,833.60
50%	1,993.92
45%	2,171.16
40%	2,369.28
35%	2,590.63
30%	2,839.88
25%	3,137.30
20%	3,497.01
15%	3,984.55
10%	4,706.68
5%	5,929.72
0%	24,137.91

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.53 to 2,145.75
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.44



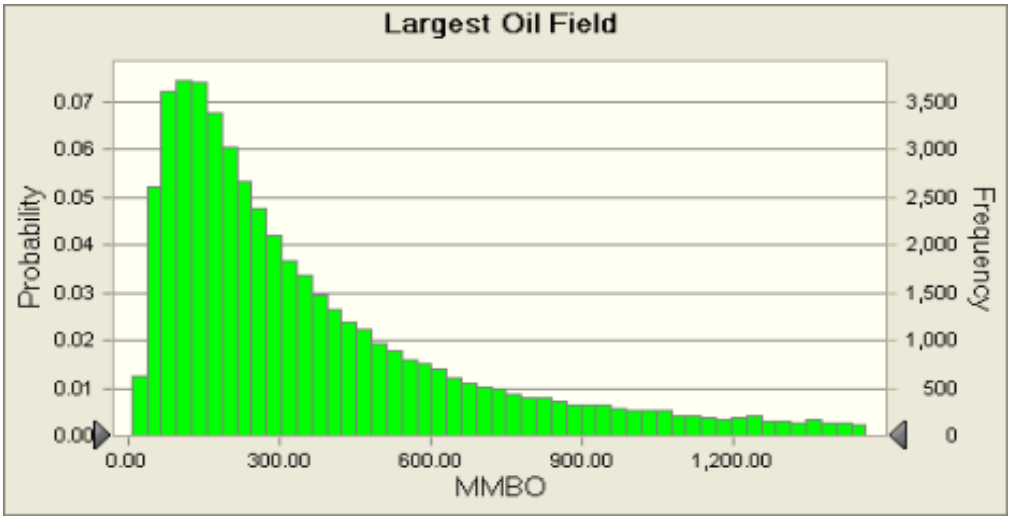
Statistics:	Forecast values
Trials	50,000
Mean	117.11
Median	90.53
Mode	---
Standard Deviation	97.75
Variance	9,554.85
Skewness	3.25
Kurtosis	24.95
Coefficient of Variability	0.8347
Minimum	0.53
Maximum	2,145.75
Range Width	2,145.22
Mean Standard Error	0.44

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.53
95%	27.56
90%	36.03
85%	43.13
80%	49.64
75%	55.92
70%	62.52
65%	68.90
60%	75.61
55%	82.64
50%	90.53
45%	98.96
40%	108.22
35%	118.62
30%	130.52
25%	145.62
20%	164.72
15%	189.42
10%	227.36
5%	293.62
0%	2,145.75

Forecast: Largest Oil Field

Summary:
Entire range is from 6.30 to 1,999.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.70



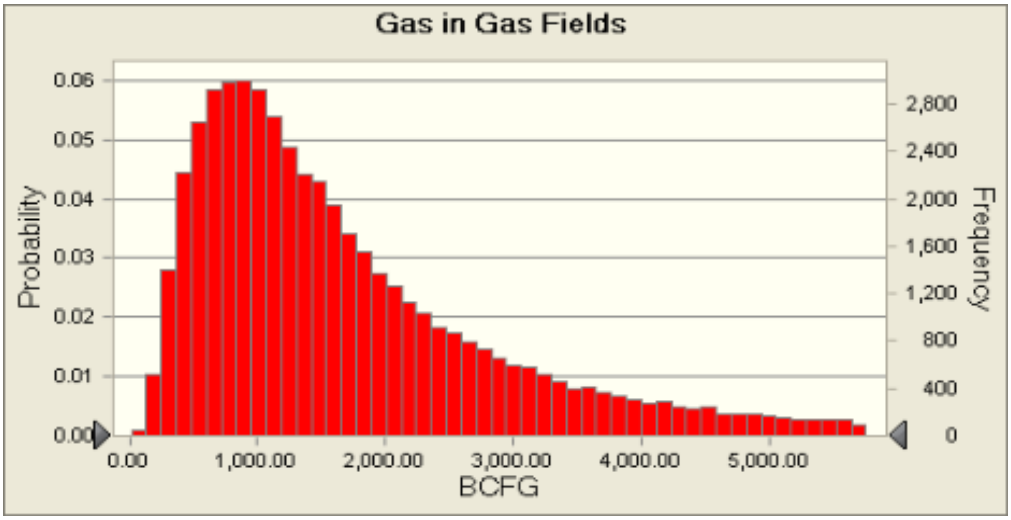
Statistics:	Forecast values
Trials	50,000
Mean	398.97
Median	264.05
Mode	---
Standard Deviation	379.41
Variance	143,949.21
Skewness	1.80
Kurtosis	6.15
Coefficient of Variability	0.9510
Minimum	6.30
Maximum	1,999.87
Range Width	1,993.56
Mean Standard Error	1.70

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	6.30
95%	58.92
90%	81.20
85%	100.58
80%	120.39
75%	140.36
70%	161.10
65%	183.14
60%	207.57
55%	233.95
50%	264.02
45%	298.29
40%	338.75
35%	385.29
30%	443.25
25%	514.02
20%	607.48
15%	736.92
10%	934.69
5%	1,257.79
0%	1,999.87

Forecast: Gas in Gas Fields

Summary:
Entire range is from 13.60 to 12,954.15
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.34



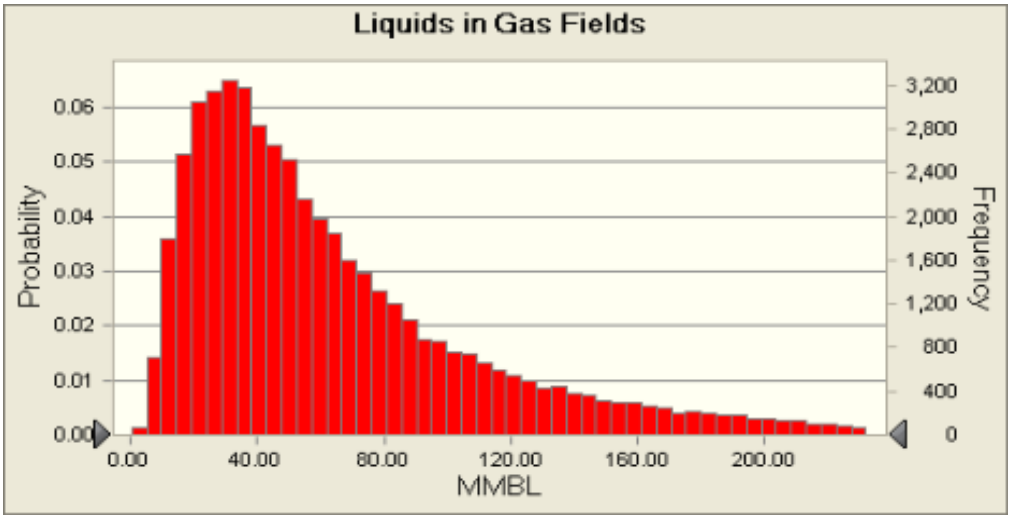
Statistics:	Forecast values
Trials	50,000
Mean	1,789.09
Median	1,365.49
Mode	---
Standard Deviation	1,417.50
Variance	2,009,304.39
Skewness	1.95
Kurtosis	8.18
Coefficient of Variability	0.7923
Minimum	13.60
Maximum	12,954.15
Range Width	12,940.54
Mean Standard Error	6.34

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	13.60
95%	396.27
90%	521.20
85%	627.68
80%	727.62
75%	825.94
70%	923.16
65%	1,022.46
60%	1,125.77
55%	1,240.71
50%	1,365.45
45%	1,501.29
40%	1,651.09
35%	1,823.83
30%	2,032.45
25%	2,289.17
20%	2,607.86
15%	3,030.23
10%	3,640.87
5%	4,711.25
0%	12,954.15

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.33 to 668.62
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.26



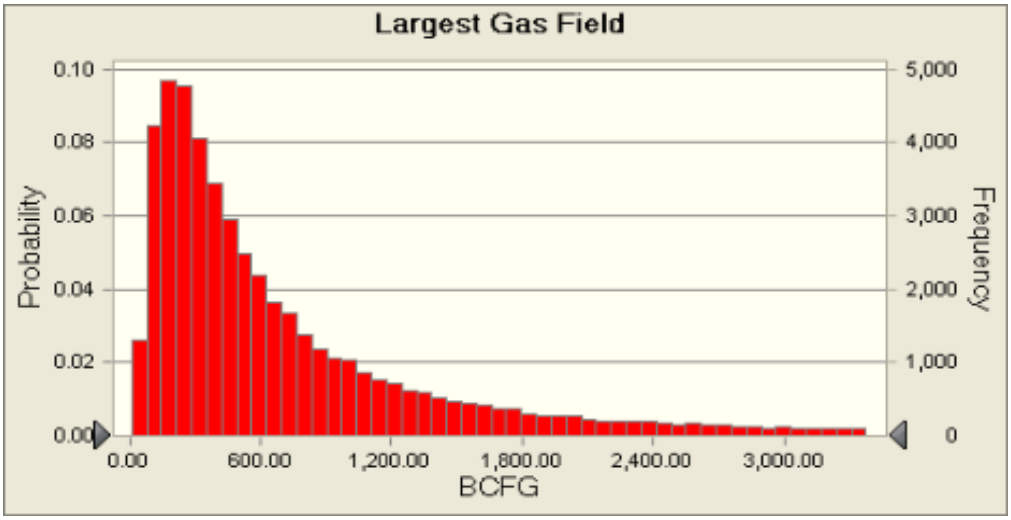
Statistics:	Forecast values
Trials	50,000
Mean	68.52
Median	50.97
Mode	---
Standard Deviation	58.42
Variance	3,412.79
Skewness	2.41
Kurtosis	11.97
Coefficient of Variability	0.8525
Minimum	0.33
Maximum	668.62
Range Width	668.29
Mean Standard Error	0.26

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.33
95%	14.42
90%	19.07
85%	23.01
80%	26.79
75%	30.43
70%	34.11
65%	37.77
60%	41.89
55%	46.27
50%	50.97
45%	56.18
40%	62.16
35%	68.89
30%	76.63
25%	86.23
20%	99.01
15%	115.44
10%	139.82
5%	183.32
0%	668.62

Forecast: Largest Gas Field

Summary:
Entire range is from 7.49 to 5,987.84
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.11



Statistics:	Forecast values
Trials	50,000
Mean	803.24
Median	472.81
Mode	---
Standard Deviation	918.70
Variance	844,011.78
Skewness	2.51
Kurtosis	10.38
Coefficient of Variability	1.14
Minimum	7.49
Maximum	5,987.84
Range Width	5,980.35
Mean Standard Error	4.11

Forecast: Largest Gas Field (continued)

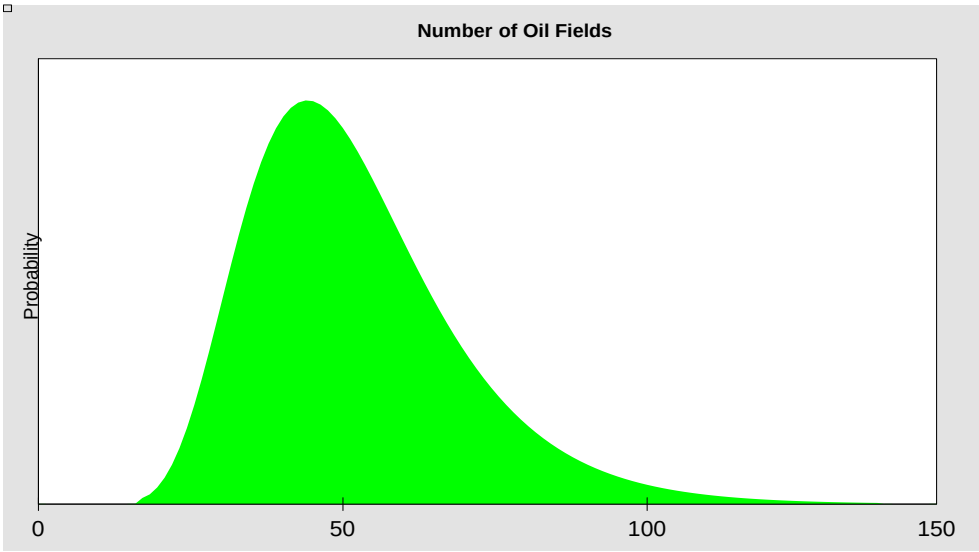
Percentiles:	BCFG
100%	7.49
95%	98.63
90%	137.57
85%	172.37
80%	207.67
75%	243.27
70%	279.63
65%	320.20
60%	366.11
55%	415.78
50%	472.76
45%	538.57
40%	615.43
35%	708.66
30%	822.00
25%	976.36
20%	1,168.20
15%	1,447.76
10%	1,897.30
5%	2,756.47
0%	5,987.84

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	51.87	52.87
Standard Deviation	18.01	18.01
Selected range is from -Infinity to 139.00		1.00 to 140.00



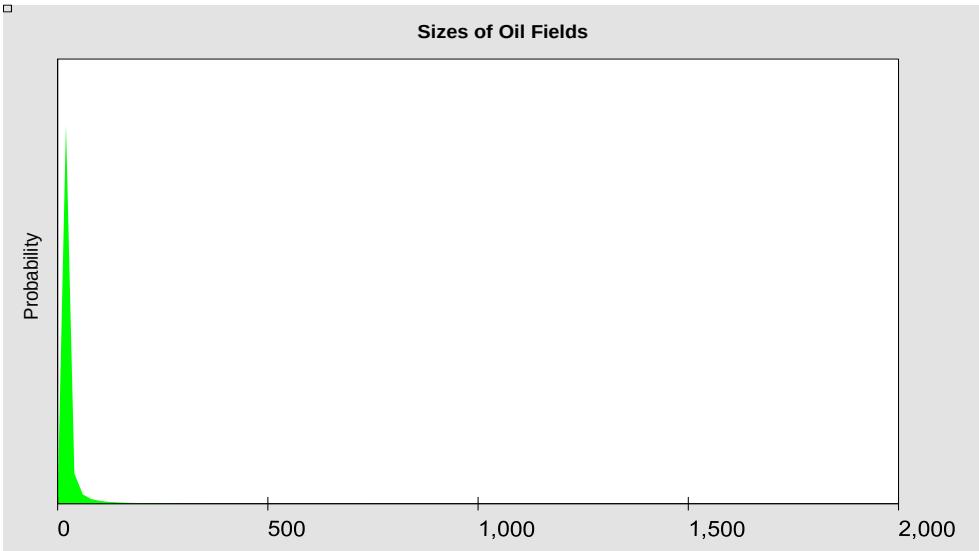
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	52.69	52.77
Median	49.89	49.98
Mode	---	---
Standard Deviation	17.70	17.73
Variance	313.21	314.29
Skewness	0.9475	0.9548
Kurtosis	4.28	4.29
Coefficient of Variability	0.3359	0.3360
Minimum	11.36	1.00
Maximum	139.89	140.00
Range Width	128.53	139.00
Mean Standard Error	0.08	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	11.36	1.00
95%	29.13	29.12
90%	32.71	32.79
85%	35.44	35.53
80%	37.76	37.88
75%	39.94	40.02
70%	41.98	42.04
65%	43.95	44.01
60%	45.91	45.97
55%	47.89	47.95
50%	49.89	49.98
45%	51.98	52.10
40%	54.32	54.35
35%	56.77	56.77
30%	59.45	59.45
25%	62.48	62.47
20%	65.93	66.03
15%	70.39	70.43
10%	76.25	76.38
5%	85.95	86.09
0%	139.89	140.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	24.33	25.33
Standard Deviation	294.88	294.88
Selected range is from -Infinity to 1,999.00		1.00 to 2,000.00



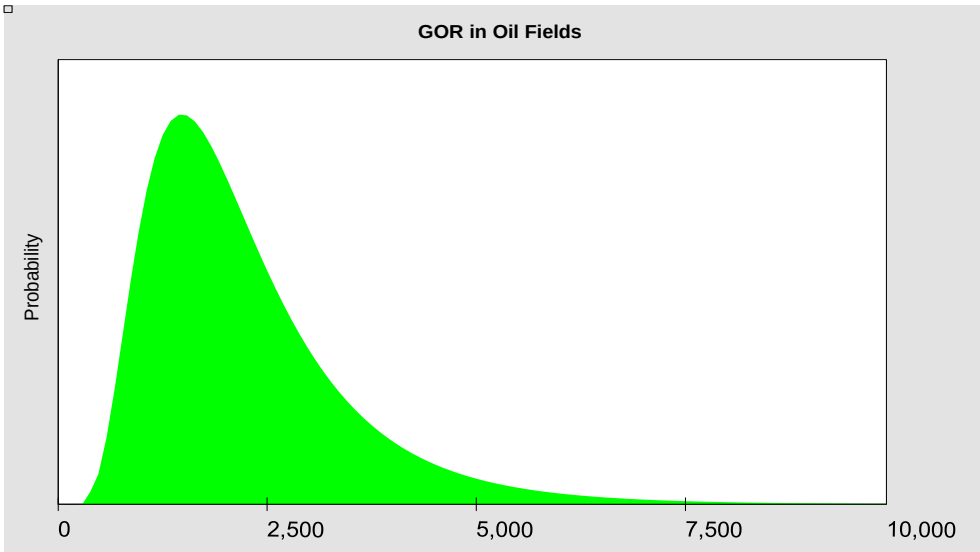
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.65	21.91
Median	3.01	2.99
Mode	---	---
Standard Deviation	85.08	83.08
Variance	7,238.02	6,902.63
Skewness	11.59	11.38
Kurtosis	180.74	175.80
Coefficient of Variability	4.12	3.79
Minimum	1.00	1.00
Maximum	1,992.72	2,000.00
Range Width	1,991.72	1,999.00
Mean Standard Error	0.38	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.00	1.00
95%	1.05	1.05
90%	1.12	1.11
85%	1.20	1.20
80%	1.31	1.30
75%	1.45	1.44
70%	1.63	1.62
65%	1.86	1.84
60%	2.15	2.13
55%	2.53	2.51
50%	3.01	2.99
45%	3.65	3.64
40%	4.55	4.51
35%	5.80	5.71
30%	7.57	7.43
25%	10.08	9.99
20%	14.16	14.04
15%	20.98	21.12
10%	35.83	35.69
5%	78.88	78.44
0%	1,992.72	2,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	2,191.40	2,291.40
Standard Deviation	1,259.35	1,259.35
Selected range is from -Infinity to 9,900.00		100.00 to 10,000.00



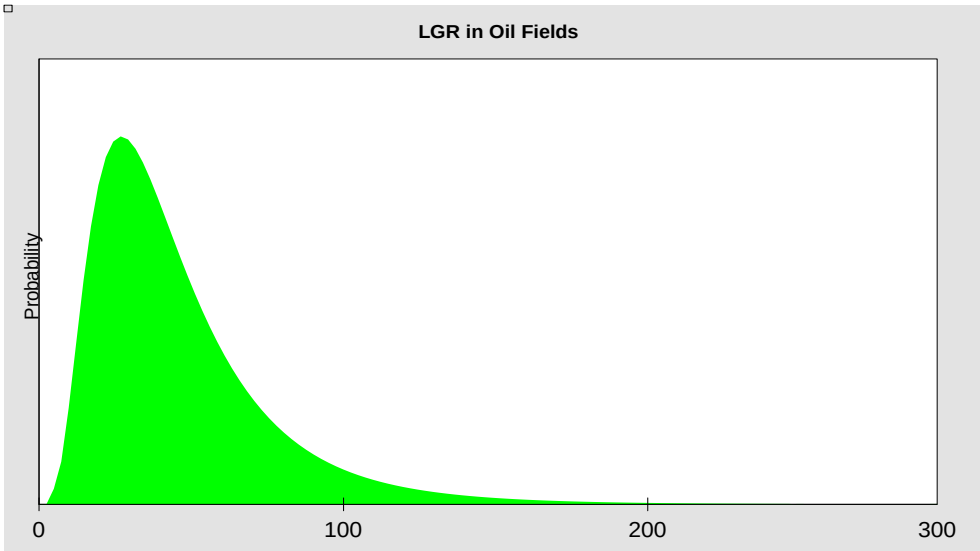
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2,276.94	2,281.97
Median	1,992.02	1,998.73
Mode	---	---
Standard Deviation	1,221.35	1,222.91
Variance	1,491,690.32	1,495,508.40
Skewness	1.61	1.60
Kurtosis	6.84	6.82
Coefficient of Variability	0.5364	0.5359
Minimum	311.09	100.00
Maximum	9,884.08	10,000.00
Range Width	9,572.99	9,900.00
Mean Standard Error	5.46	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	311.09	100.00
95%	891.21	888.92
90%	1,058.46	1,057.86
85%	1,193.14	1,191.82
80%	1,312.02	1,311.52
75%	1,423.64	1,424.61
70%	1,533.17	1,535.13
65%	1,643.26	1,645.75
60%	1,755.07	1,758.58
55%	1,870.54	1,875.56
50%	1,992.02	1,998.73
45%	2,123.79	2,130.41
40%	2,261.43	2,273.55
35%	2,422.81	2,432.07
30%	2,602.49	2,611.58
25%	2,806.03	2,820.75
20%	3,056.26	3,074.04
15%	3,387.26	3,398.84
10%	3,848.30	3,857.40
5%	4,643.65	4,652.37
0%	9,884.08	10,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	47.59	47.69
Standard Deviation	30.94	30.94
Selected range is from -Infinity to 249.90		0.10 to 250.00



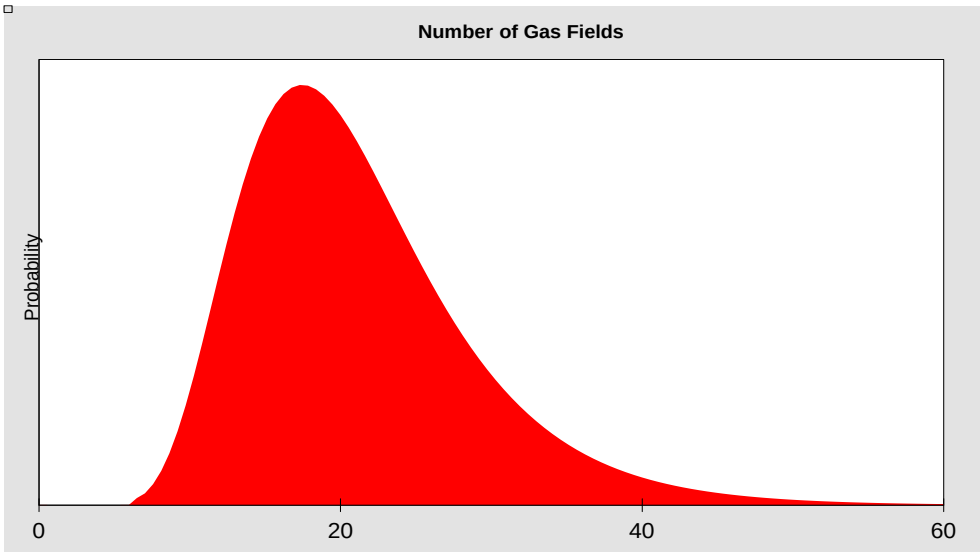
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	47.54	47.44
Median	40.09	39.97
Mode	---	---
Standard Deviation	29.95	29.87
Variance	897.23	892.38
Skewness	1.81	1.81
Kurtosis	7.94	7.93
Coefficient of Variability	0.6300	0.6297
Minimum	3.21	0.10
Maximum	248.59	250.00
Range Width	245.38	249.90
Mean Standard Error	0.13	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	3.21	0.10
95%	15.15	15.12
90%	18.81	18.74
85%	21.64	21.66
80%	24.33	24.30
75%	26.87	26.82
70%	29.40	29.31
65%	31.90	31.82
60%	34.56	34.41
55%	37.18	37.11
50%	40.09	39.97
45%	43.12	43.06
40%	46.51	46.43
35%	50.27	50.20
30%	54.68	54.51
25%	59.58	59.57
20%	65.78	65.75
15%	74.08	73.77
10%	85.55	85.24
5%	105.35	105.48
0%	248.59	250.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	20.32	21.32
Standard Deviation	7.71	7.71
Selected range is from -Infinity to 59.00		1.00 to 60.00



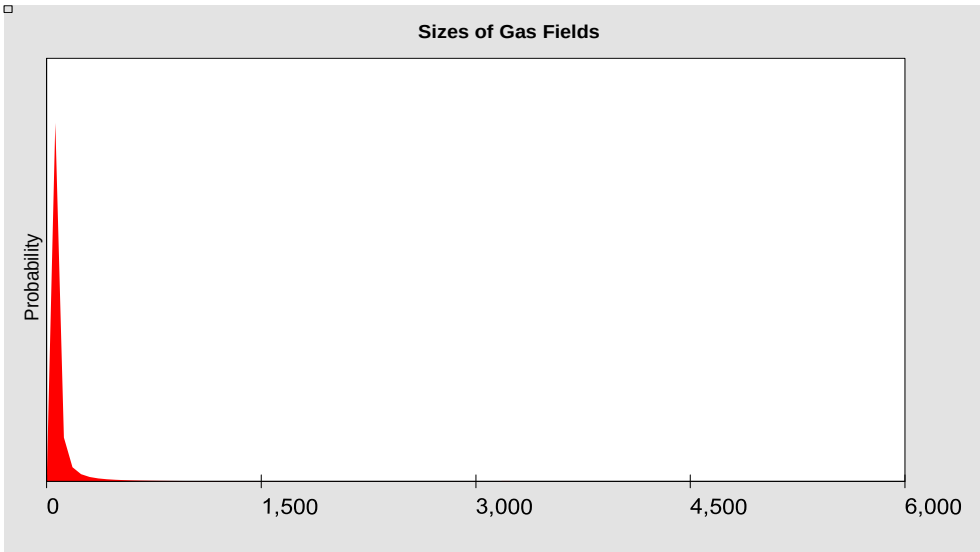
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	21.32	21.28
Median	20.03	19.99
Mode	---	---
Standard Deviation	7.61	7.58
Variance	57.92	57.40
Skewness	1.06	1.05
Kurtosis	4.61	4.57
Coefficient of Variability	0.3570	0.3561
Minimum	5.12	1.00
Maximum	59.58	60.00
Range Width	54.47	59.00
Mean Standard Error	0.03	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.12	1.00
95%	11.40	11.39
90%	12.89	12.87
85%	14.00	13.99
80%	14.97	14.95
75%	15.86	15.83
70%	16.71	16.67
65%	17.53	17.49
60%	18.33	18.31
55%	19.17	19.14
50%	20.03	19.99
45%	20.91	20.89
40%	21.85	21.84
35%	22.88	22.87
30%	24.04	24.01
25%	25.36	25.31
20%	26.87	26.84
15%	28.79	28.75
10%	31.41	31.34
5%	35.71	35.61
0%	59.58	60.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	90.62	96.62
Standard Deviation	678.36	678.36
Selected range is from -Infinity to 5,994.00		6.00 to 6,000.00



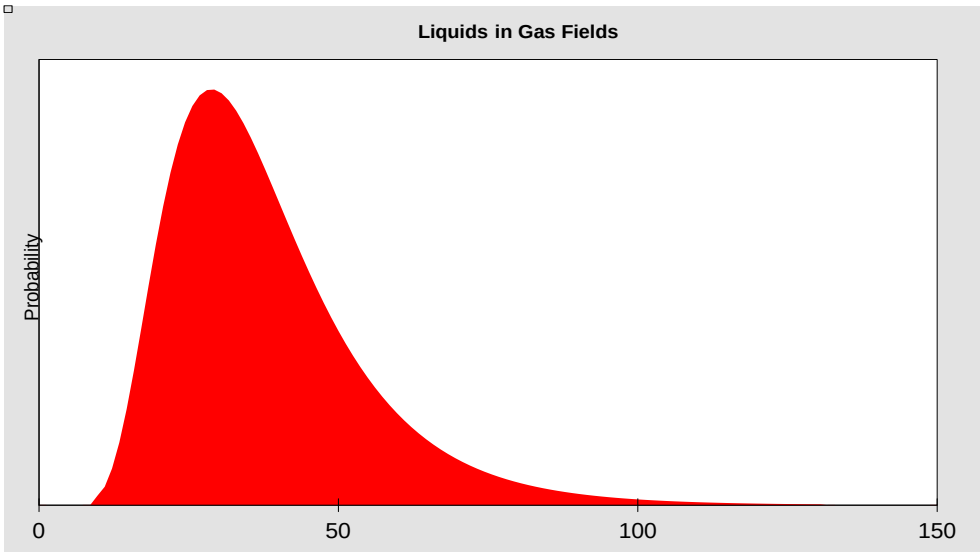
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	83.64	86.72
Median	18.13	17.97
Mode	---	---
Standard Deviation	274.27	275.54
Variance	75,222.51	75,923.76
Skewness	9.87	9.84
Kurtosis	137.61	134.63
Coefficient of Variability	3.28	3.18
Minimum	6.00	6.00
Maximum	5,899.09	6,000.00
Range Width	5,893.09	5,994.00
Mean Standard Error	1.23	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.00	6.00
95%	6.44	6.44
90%	6.94	6.91
85%	7.52	7.49
80%	8.24	8.21
75%	9.11	9.09
70%	10.21	10.17
65%	11.59	11.52
60%	13.32	13.19
55%	15.40	15.30
50%	18.13	17.97
45%	21.58	21.41
40%	26.16	25.91
35%	32.23	31.95
30%	40.53	40.31
25%	52.59	52.36
20%	70.49	70.82
15%	100.77	101.75
10%	161.38	162.28
5%	324.72	327.86
0%	5,899.09	6,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	35.35	38.35
Standard Deviation	16.59	16.59
Selected range is from -Infinity to 127.00		3.00 to 130.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	38.21	38.24
Median	34.95	34.98
Mode	---	---
Standard Deviation	16.17	16.22
Variance	261.57	263.06
Skewness	1.29	1.30
Kurtosis	5.47	5.49
Coefficient of Variability	0.4232	0.4242
Minimum	7.81	3.00
Maximum	129.73	130.00
Range Width	121.91	127.00
Mean Standard Error	0.07	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.81	3.00
95%	18.28	18.36
90%	21.04	21.06
85%	23.21	23.15
80%	25.00	24.98
75%	26.67	26.68
70%	28.33	28.32
65%	29.88	29.93
60%	31.59	31.57
55%	33.28	33.24
50%	34.95	34.98
45%	36.81	36.82
40%	38.78	38.80
35%	40.92	40.97
30%	43.42	43.40
25%	46.20	46.19
20%	49.55	49.52
15%	53.63	53.73
10%	59.43	59.55
5%	69.19	69.38
0%	129.73	130.00

End of Assumptions

Simulation started on 11/12/2009 at 12:22:58
Simulation stopped on 11/12/2009 at 13:25:03