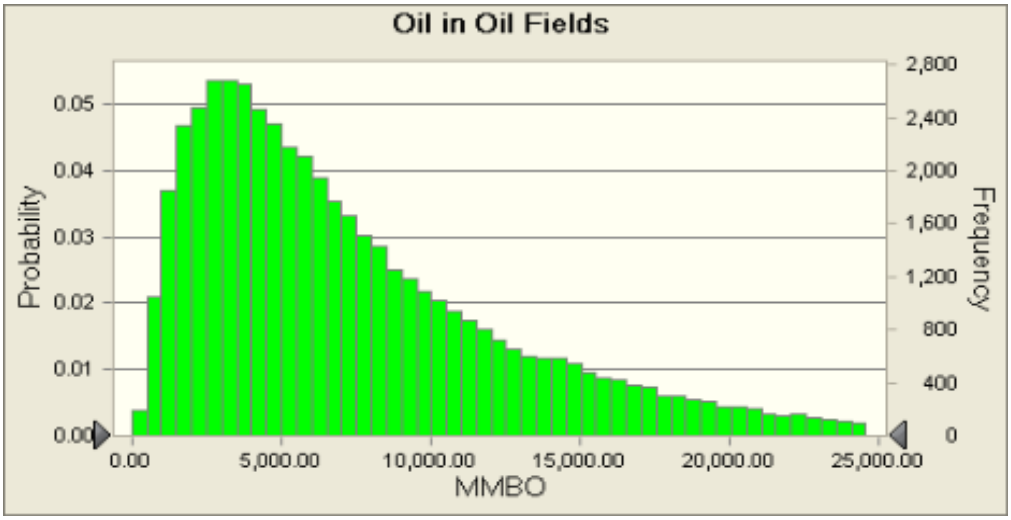
11120103
Turkmen Block
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 5.66 to 52,590.56
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 26.95



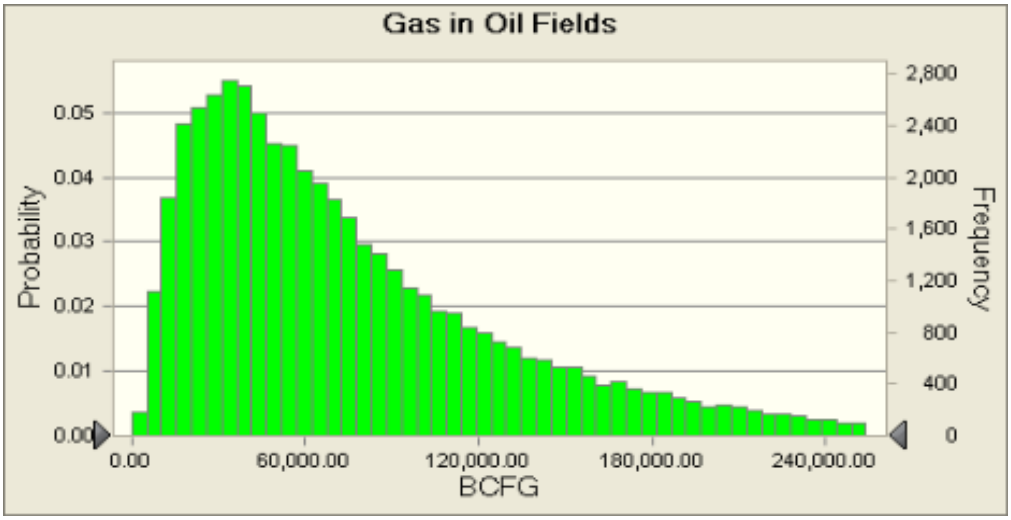
Statistics:	Forecast values
Trials	50,000
Mean	7,723.31
Median	6,024.68
Mode	---
Standard Deviation	6,026.21
Variance	36,315,237.52
Skewness	1.62
Kurtosis	6.52
Coefficient of Variability	0.7803
Minimum	5.66
Maximum	52,590.56
Range Width	52,584.91
Mean Standard Error	26.95

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	5.66
95%	1,375.16
90%	1,920.79
85%	2,429.08
80%	2,907.33
75%	3,381.58
70%	3,840.23
65%	4,341.65
60%	4,864.00
55%	5,440.24
50%	6,024.61
45%	6,676.12
40%	7,402.81
35%	8,247.92
30%	9,206.24
25%	10,348.70
20%	11,746.82
15%	13,588.68
10%	15,965.02
5%	19,802.22
0%	52,590.56

Forecast: Gas in Oil Fields

Summary:
Entire range is from 51.16 to 560,332.68
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 279.21



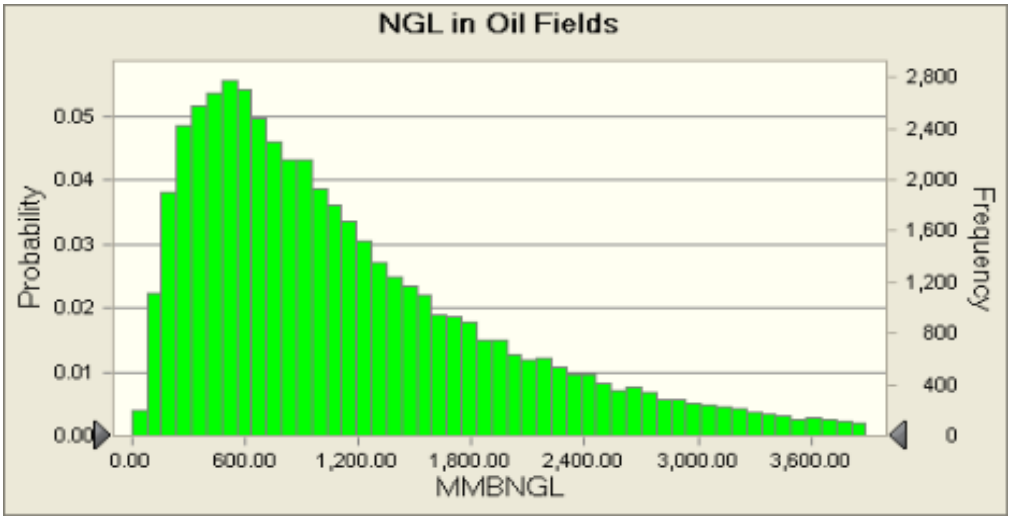
Statistics:	Forecast values
Trials	50,000
Mean	79,223.44
Median	61,698.29
Mode	---
Standard Deviation	62,433.02
Variance	3,897,882,537.02
Skewness	1.66
Kurtosis	6.76
Coefficient of Variability	0.7881
Minimum	51.16
Maximum	560,332.68
Range Width	560,281.52
Mean Standard Error	279.21

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	51.16
95%	13,929.13
90%	19,646.52
85%	24,789.83
80%	29,726.92
75%	34,487.54
70%	39,243.23
65%	44,177.95
60%	49,623.22
55%	55,413.31
50%	61,695.96
45%	68,307.63
40%	75,661.61
35%	84,191.46
30%	93,960.85
25%	105,880.67
20%	120,235.66
15%	138,723.89
10%	164,342.80
5%	205,401.93
0%	560,332.68

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.75 to 9,251.20
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.29



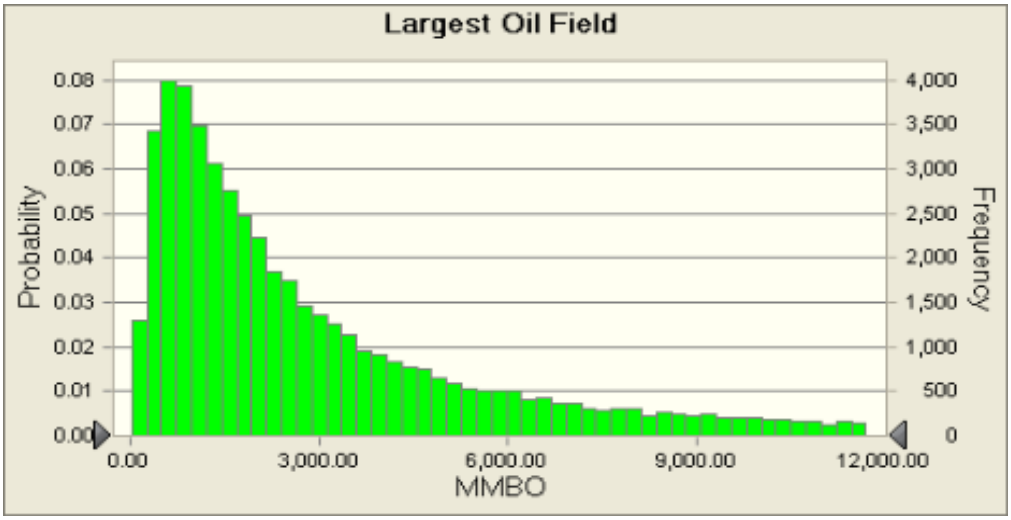
Statistics:	Forecast values
Trials	50,000
Mean	1,206.85
Median	935.72
Mode	---
Standard Deviation	958.39
Variance	918,517.12
Skewness	1.71
Kurtosis	7.05
Coefficient of Variability	0.7941
Minimum	0.75
Maximum	9,251.20
Range Width	9,250.45
Mean Standard Error	4.29

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.75
95%	211.50
90%	298.74
85%	376.17
80%	450.36
75%	523.37
70%	595.33
65%	671.22
60%	753.10
55%	843.26
50%	935.70
45%	1,036.88
40%	1,149.17
35%	1,278.10
30%	1,430.35
25%	1,609.10
20%	1,825.51
15%	2,111.60
10%	2,493.05
5%	3,139.94
0%	9,251.20

Forecast: Largest Oil Field

Summary:
Entire range is from 4.41 to 14,996.84
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 13.75



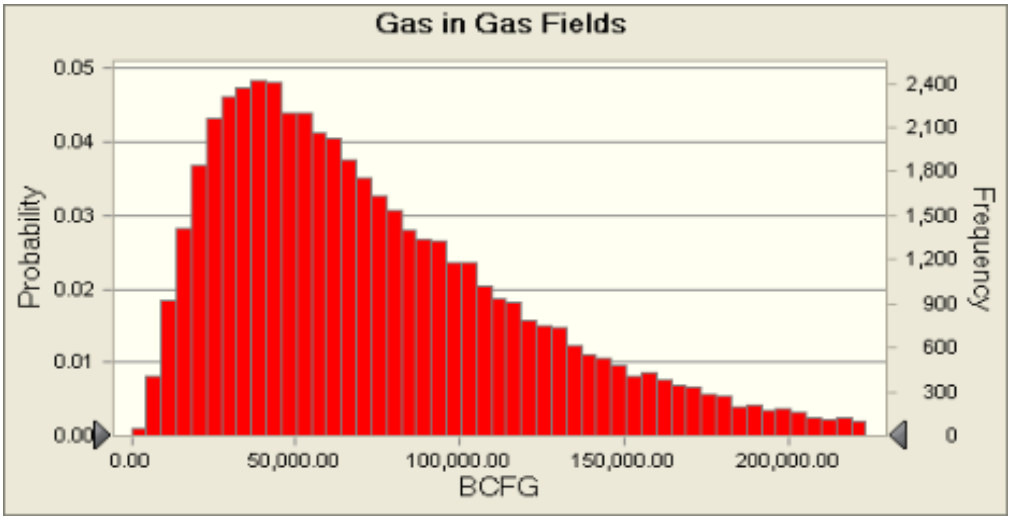
Statistics:	Forecast values
Trials	50,000
Mean	3,101.16
Median	1,974.09
Mode	---
Standard Deviation	3,074.16
Variance	9,450,461.08
Skewness	1.68
Kurtosis	5.48
Coefficient of Variability	0.9913
Minimum	4.41
Maximum	14,996.84
Range Width	14,992.43
Mean Standard Error	13.75

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	4.41
95%	341.46
90%	499.83
85%	647.42
80%	796.24
75%	950.72
70%	1,119.51
65%	1,301.23
60%	1,503.42
55%	1,727.25
50%	1,974.06
45%	2,264.37
40%	2,601.66
35%	3,006.34
30%	3,493.54
25%	4,115.57
20%	4,910.65
15%	6,014.57
10%	7,596.86
5%	10,125.66
0%	14,996.84

Forecast: Gas in Gas Fields

Summary:
Entire range is from 18.10 to 582,097.54
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 233.85



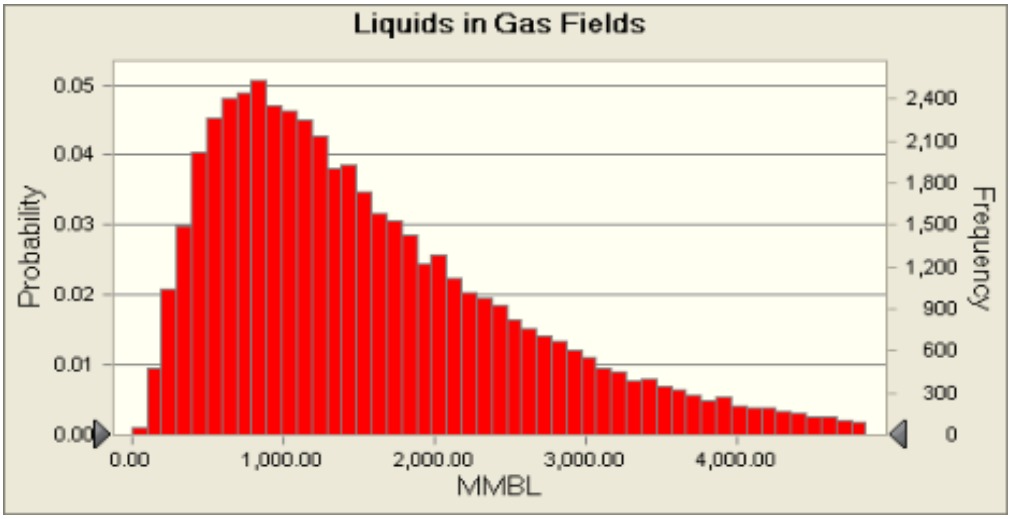
Statistics:	Forecast values
Trials	50,000
Mean	77,085.14
Median	64,404.99
Mode	---
Standard Deviation	52,290.06
Variance	2,734,250,590.82
Skewness	1.42
Kurtosis	5.98
Coefficient of Variability	0.6783
Minimum	18.10
Maximum	582,097.54
Range Width	582,079.45
Mean Standard Error	233.85

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	18.10
95%	17,498.63
90%	23,594.77
85%	28,814.16
80%	33,689.72
75%	38,486.81
70%	43,178.22
65%	48,172.78
60%	53,317.33
55%	58,765.19
50%	64,404.64
45%	70,636.28
40%	77,404.55
35%	85,085.62
30%	93,601.08
25%	102,911.09
20%	114,327.88
15%	128,444.89
10%	147,401.39
5%	178,525.52
0%	582,097.54

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.23 to 12,500.59
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.13



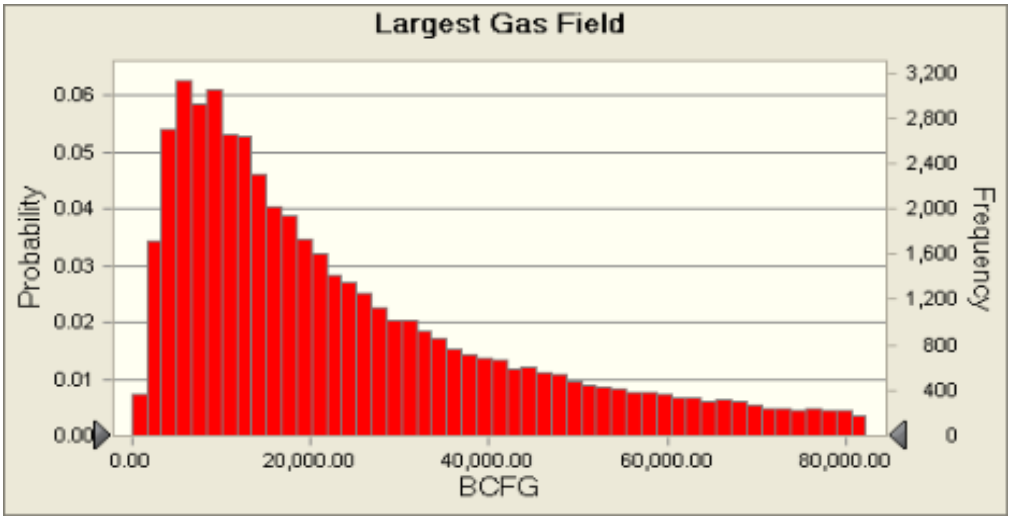
Statistics:	Forecast values
Trials	50,000
Mean	1,641.35
Median	1,353.72
Mode	---
Standard Deviation	1,148.19
Variance	1,318,345.17
Skewness	1.52
Kurtosis	6.41
Coefficient of Variability	0.6995
Minimum	0.23
Maximum	12,500.59
Range Width	12,500.36
Mean Standard Error	5.13

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.23
95%	362.92
90%	492.22
85%	601.37
80%	704.38
75%	805.11
70%	904.53
65%	1,011.27
60%	1,117.14
55%	1,229.88
50%	1,353.69
45%	1,482.24
40%	1,626.52
35%	1,789.57
30%	1,976.92
25%	2,184.12
20%	2,436.80
15%	2,748.97
10%	3,174.88
5%	3,897.59
0%	12,500.59

Forecast: Largest Gas Field

Summary:
Entire range is from 12.07 to 89,965.24
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 91.62



Statistics:	Forecast values
Trials	50,000
Mean	24,901.45
Median	18,112.20
Mode	---
Standard Deviation	20,487.85
Variance	419,752,144.76
Skewness	1.21
Kurtosis	3.73
Coefficient of Variability	0.8228
Minimum	12.07
Maximum	89,965.24
Range Width	89,953.17
Mean Standard Error	91.62

Forecast: Largest Gas Field (continued)

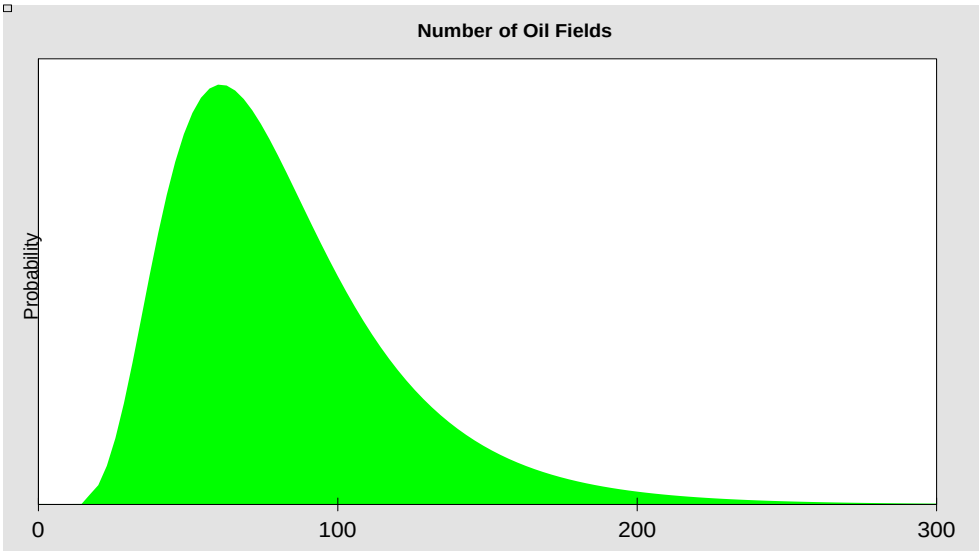
Percentiles:	BCFG
100%	12.07
95%	3,667.75
90%	5,163.75
85%	6,485.26
80%	7,900.65
75%	9,352.48
70%	10,767.56
65%	12,369.09
60%	14,050.27
55%	15,966.04
50%	18,111.38
45%	20,506.38
40%	23,317.24
35%	26,488.47
30%	30,347.16
25%	34,792.56
20%	40,567.94
15%	47,541.61
10%	56,960.67
5%	69,768.29
0%	89,965.24

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	81.96	82.96
Standard Deviation	39.01	39.01
Selected range is from -Infinity to 299.00		1.00 to 300.00



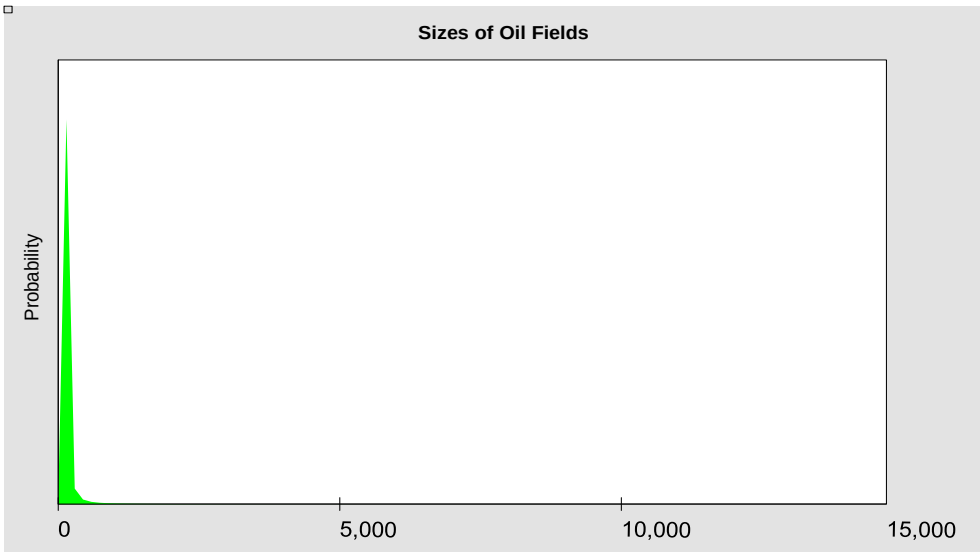
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	82.88	82.70
Median	74.89	74.96
Mode	---	---
Standard Deviation	38.44	38.13
Variance	1,477.94	1,453.88
Skewness	1.33	1.32
Kurtosis	5.60	5.56
Coefficient of Variability	0.4639	0.4611
Minimum	14.48	1.00
Maximum	299.52	300.00
Range Width	285.04	299.00
Mean Standard Error	0.17	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	14.48	1.00
95%	36.26	36.18
90%	42.44	42.46
85%	47.37	47.31
80%	51.57	51.57
75%	55.64	55.54
70%	59.44	59.36
65%	63.06	63.15
60%	66.79	66.96
55%	70.72	70.88
50%	74.89	74.96
45%	79.24	79.27
40%	83.84	83.92
35%	89.05	89.01
30%	94.76	94.70
25%	101.68	101.26
20%	109.64	109.11
15%	119.56	119.01
10%	133.41	132.75
5%	157.07	155.97
0%	299.52	300.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	138.76	139.76
Standard Deviation	4,811.59	4,811.59
Selected range is from -Infinity to 14,999.00		1.00 to 15,000.00



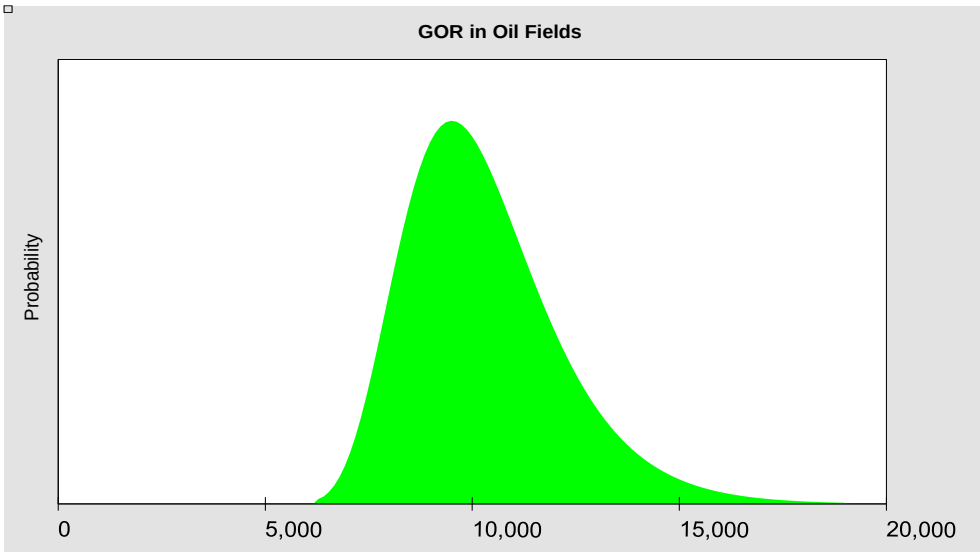
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	94.92	108.49
Median	4.94	4.99
Mode	---	---
Standard Deviation	548.69	531.51
Variance	301,058.04	282,506.82
Skewness	14.24	14.26
Kurtosis	264.73	265.70
Coefficient of Variability	5.78	4.90
Minimum	1.00	1.00
Maximum	14,662.51	15,000.00
Range Width	14,661.51	14,999.00
Mean Standard Error	2.45	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.00	1.00
95%	1.05	1.05
90%	1.13	1.13
85%	1.25	1.25
80%	1.43	1.42
75%	1.66	1.66
70%	1.98	1.99
65%	2.41	2.43
60%	3.01	3.03
55%	3.82	3.85
50%	4.94	4.99
45%	6.48	6.57
40%	8.70	8.82
35%	11.90	12.11
30%	16.82	17.08
25%	24.48	24.96
20%	37.86	38.34
15%	63.92	63.61
10%	121.62	120.79
5%	315.01	312.87
0%	14,662.51	15,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	6,269.68	10,269.68
Standard Deviation	1,900.80	1,900.80
Selected range is from -Infinity to 15,000.00		4000.00 to 19,000.00



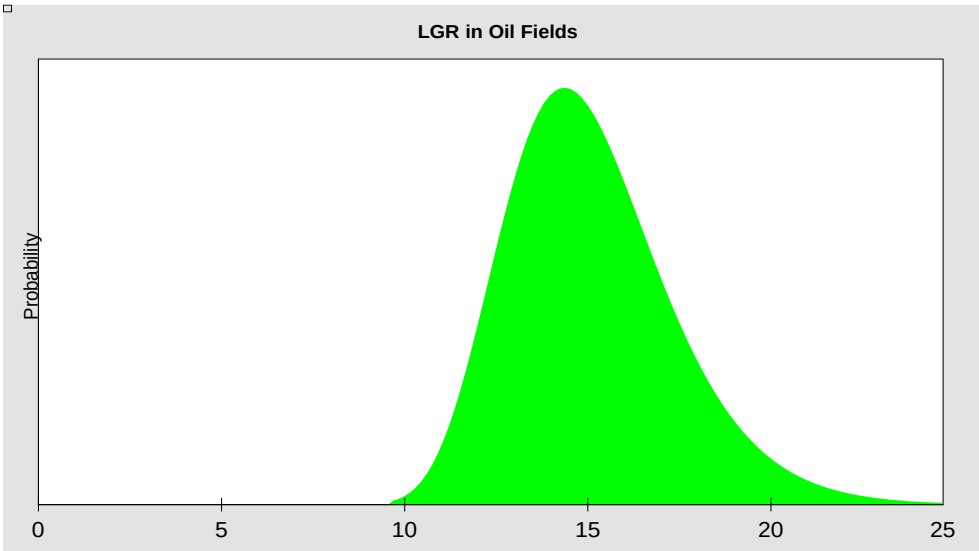
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	10,253.80	10,259.60
Median	9,994.03	9,997.77
Mode	---	---
Standard Deviation	1,876.31	1,874.44
Variance	3,520,541.37	3,513,510.73
Skewness	0.8487	0.8303
Kurtosis	4.03	3.95
Coefficient of Variability	0.1830	0.1827
Minimum	5,774.72	4,000.00
Maximum	18,989.26	19,000.00
Range Width	13,214.53	15,000.00
Mean Standard Error	8.39	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5,774.72	4,000.00
95%	7,680.76	7,683.49
90%	8,092.18	8,102.38
85%	8,408.91	8,411.57
80%	8,666.15	8,673.83
75%	8,903.60	8,911.19
70%	9,131.47	9,134.59
65%	9,345.74	9,350.65
60%	9,560.34	9,564.05
55%	9,772.89	9,778.59
50%	9,993.92	9,997.77
45%	10,215.69	10,225.23
40%	10,453.75	10,465.14
35%	10,714.69	10,722.77
30%	10,991.31	11,005.29
25%	11,313.10	11,323.36
20%	11,680.02	11,694.32
15%	12,141.63	12,150.00
10%	12,747.94	12,760.62
5%	13,746.80	13,745.46
0%	18,989.26	19,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	10.25	15.25
Standard Deviation	2.33	2.33
Selected range is from -Infinity to 20.00		5.00 to 25.00



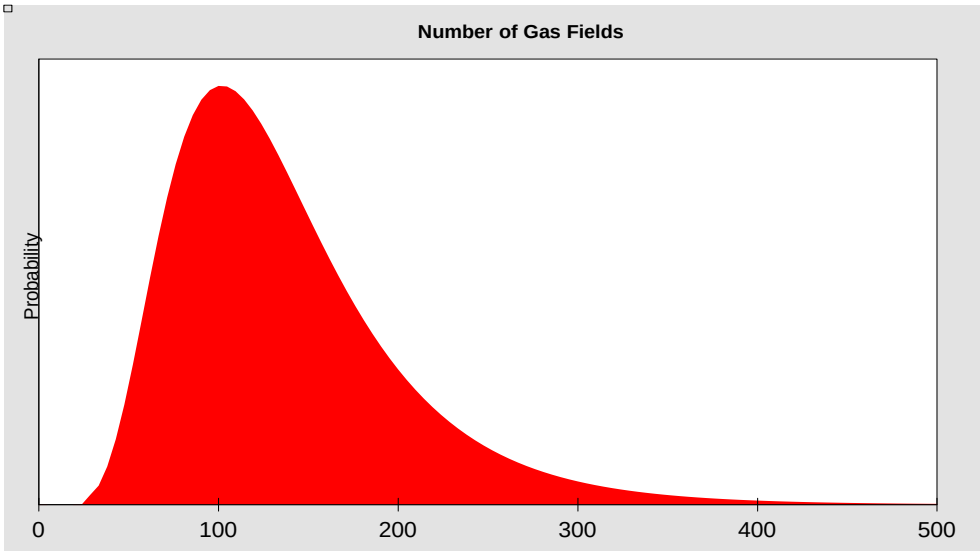
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	15.25	15.24
Median	15.02	15.00
Mode	---	---
Standard Deviation	2.30	2.30
Variance	5.27	5.31
Skewness	0.6277	0.6157
Kurtosis	3.57	3.47
Coefficient of Variability	0.1505	0.1511
Minimum	8.43	5.00
Maximum	24.98	25.00
Range Width	16.55	20.00
Mean Standard Error	0.01	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	8.43	5.00
95%	11.93	11.91
90%	12.52	12.50
85%	12.94	12.92
80%	13.29	13.28
75%	13.61	13.59
70%	13.92	13.89
65%	14.20	14.17
60%	14.46	14.45
55%	14.74	14.72
50%	15.02	15.00
45%	15.30	15.28
40%	15.60	15.58
35%	15.91	15.90
30%	16.24	16.24
25%	16.62	16.63
20%	17.06	17.07
15%	17.58	17.61
10%	18.29	18.32
5%	19.41	19.43
0%	24.98	25.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	137.25	138.25
Standard Deviation	65.12	65.12
Selected range is from -Infinity to 499.00		1.00 to 500.00



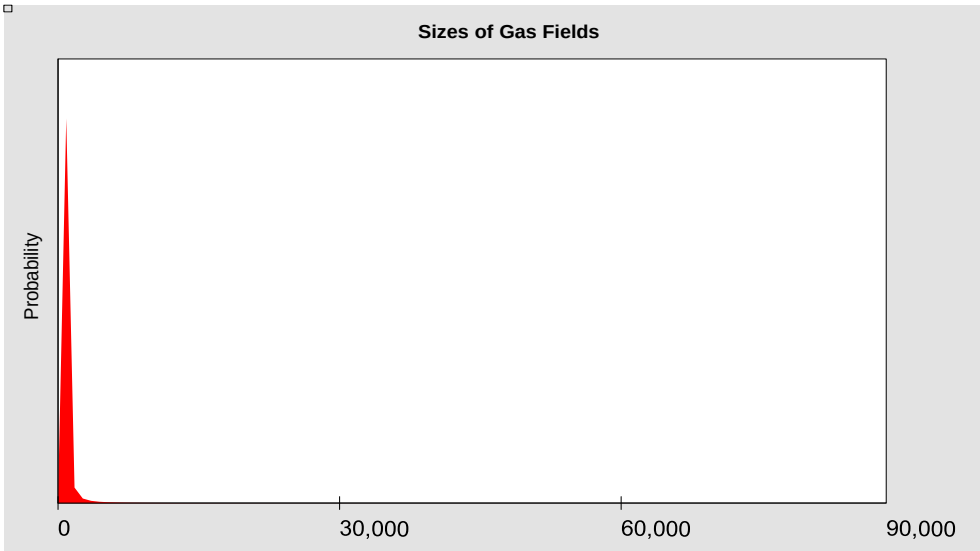
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	137.73	137.82
Median	124.73	124.93
Mode	---	---
Standard Deviation	64.00	63.66
Variance	4,095.52	4,052.12
Skewness	1.33	1.31
Kurtosis	5.59	5.55
Coefficient of Variability	0.4646	0.4619
Minimum	21.73	1.00
Maximum	499.77	500.00
Range Width	478.05	499.00
Mean Standard Error	0.29	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	21.73	1.00
95%	59.98	60.08
90%	70.50	70.59
85%	78.52	78.71
80%	85.80	85.84
75%	92.11	92.47
70%	98.59	98.87
65%	104.93	105.19
60%	111.25	111.57
55%	117.88	118.11
50%	124.73	124.93
45%	132.06	132.14
40%	139.80	139.90
35%	148.05	148.39
30%	157.38	157.91
25%	168.43	168.86
20%	181.62	181.95
15%	198.44	198.48
10%	222.13	221.40
5%	260.93	260.13
0%	499.77	500.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	832.56	838.56
Standard Deviation	28,869.53	28,869.53
Selected range is from -Infinity to 89,994.00		6.00 to 90,000.00



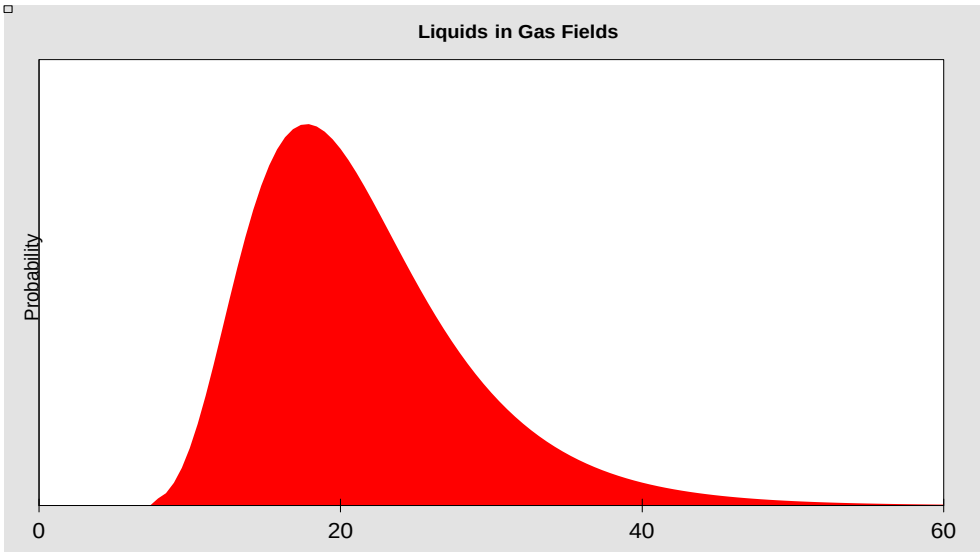
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	555.25	650.91
Median	30.29	29.92
Mode	---	---
Standard Deviation	3,137.69	3,189.08
Variance	9,845,114.19	10,170,245.35
Skewness	13.60	14.26
Kurtosis	239.62	265.70
Coefficient of Variability	5.65	4.90
Minimum	6.00	6.00
Maximum	83,907.01	90,000.00
Range Width	83,901.01	89,994.00
Mean Standard Error	14.03	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.00	6.00
95%	6.29	6.30
90%	6.77	6.79
85%	7.49	7.52
80%	8.50	8.55
75%	10.05	9.97
70%	11.96	11.92
65%	14.75	14.58
60%	18.43	18.19
55%	23.46	23.12
50%	30.29	29.92
45%	39.91	39.42
40%	53.39	52.93
35%	72.78	72.66
30%	102.79	102.48
25%	149.22	149.75
20%	229.69	230.06
15%	380.41	381.64
10%	711.50	724.76
5%	1,848.72	1,877.22
0%	83,907.01	90,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	18.35	21.35
Standard Deviation	7.47	7.47
Selected range is from -Infinity to 57.00		3.00 to 60.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	21.36	21.31
Median	20.05	19.99
Mode	---	---
Standard Deviation	7.33	7.33
Variance	53.76	53.74
Skewness	1.12	1.12
Kurtosis	4.80	4.83
Coefficient of Variability	0.3433	0.3440
Minimum	6.52	3.00
Maximum	59.92	60.00
Range Width	53.40	57.00
Mean Standard Error	0.03	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.52	3.00
95%	11.99	11.93
90%	13.33	13.29
85%	14.37	14.33
80%	15.26	15.22
75%	16.10	16.05
70%	16.90	16.84
65%	17.69	17.61
60%	18.45	18.39
55%	19.24	19.18
50%	20.05	19.99
45%	20.90	20.85
40%	21.83	21.76
35%	22.82	22.75
30%	23.91	23.86
25%	25.16	25.12
20%	26.64	26.61
15%	28.51	28.47
10%	31.02	31.02
5%	35.32	35.25
0%	59.92	60.00

End of Assumptions

Simulation started on 11/18/2009 at 16:35:11
Simulation stopped on 11/18/2009 at 20:52:47