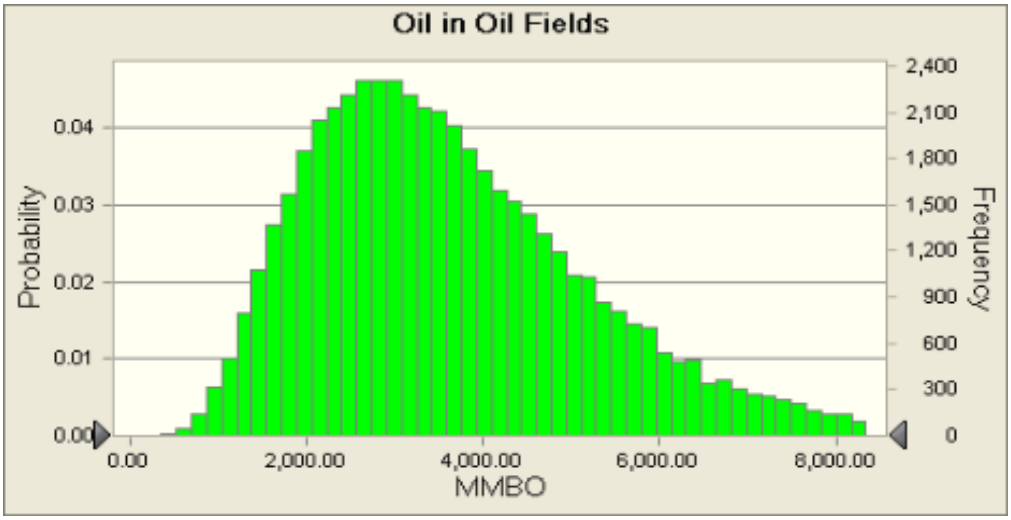
60350101
Late Cretaceous-Tertiary Turbidites
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 15.98 to 13,659.58
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 7.46



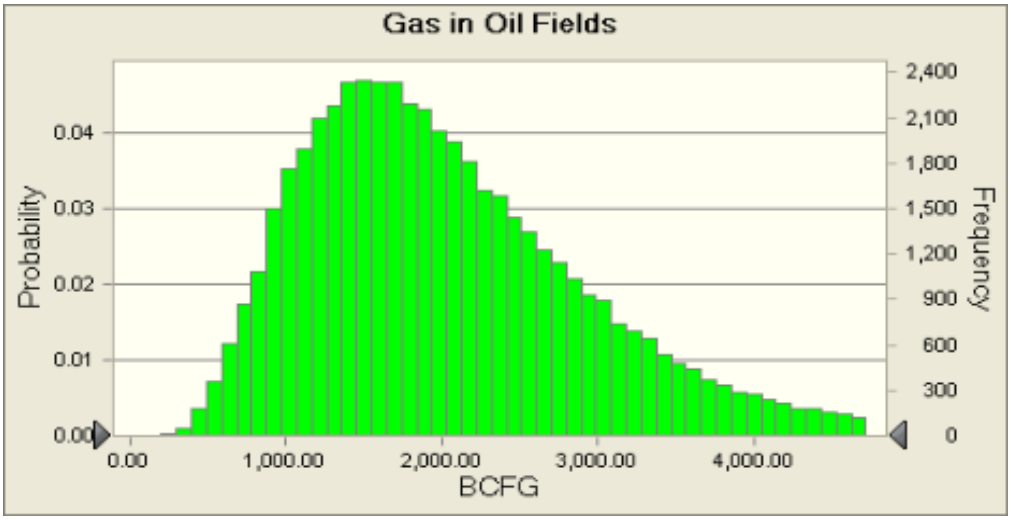
Statistics:	Forecast values
Trials	50,000
Mean	3,668.51
Median	3,385.22
Mode	---
Standard Deviation	1,668.56
Variance	2,784,102.47
Skewness	1.01
Kurtosis	4.43
Coefficient of Variability	0.4548
Minimum	15.98
Maximum	13,659.58
Range Width	13,643.60
Mean Standard Error	7.46

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	15.98
95%	1,487.96
90%	1,799.63
85%	2,039.65
80%	2,248.73
75%	2,443.11
70%	2,630.57
65%	2,817.89
60%	3,000.01
55%	3,187.94
50%	3,385.15
45%	3,588.19
40%	3,801.01
35%	4,039.78
30%	4,307.10
25%	4,593.29
20%	4,932.61
15%	5,352.62
10%	5,896.84
5%	6,826.85
0%	13,659.58

Forecast: Gas in Oil Fields

Summary:
Entire range is from 8.55 to 9,498.98
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.27



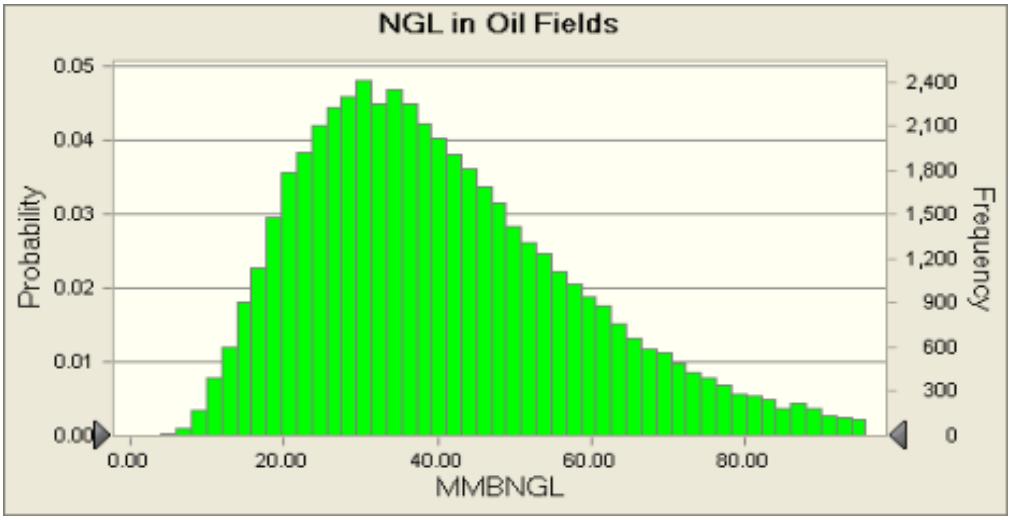
Statistics:	Forecast values
Trials	50,000
Mean	2,044.66
Median	1,873.05
Mode	---
Standard Deviation	954.34
Variance	910,771.62
Skewness	1.08
Kurtosis	4.75
Coefficient of Variability	0.4667
Minimum	8.55
Maximum	9,498.98
Range Width	9,490.43
Mean Standard Error	4.27

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	8.55
95%	820.10
90%	987.68
85%	1,120.37
80%	1,239.45
75%	1,349.31
70%	1,453.15
65%	1,556.64
60%	1,658.02
55%	1,761.33
50%	1,873.03
45%	1,988.05
40%	2,110.80
35%	2,246.25
30%	2,394.35
25%	2,565.39
20%	2,760.69
15%	3,000.35
10%	3,317.04
5%	3,853.17
0%	9,498.98

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.17 to 192.57
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.09



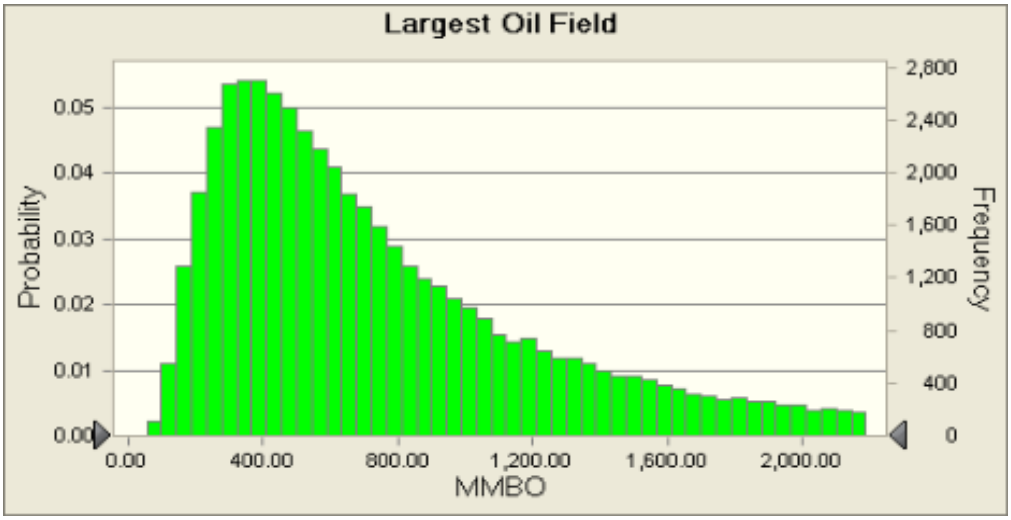
Statistics:	Forecast values
Trials	50,000
Mean	41.39
Median	37.86
Mode	---
Standard Deviation	19.40
Variance	376.36
Skewness	1.09
Kurtosis	4.81
Coefficient of Variability	0.4687
Minimum	0.17
Maximum	192.57
Range Width	192.40
Mean Standard Error	0.09

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.17
95%	16.54
90%	20.00
85%	22.69
80%	25.04
75%	27.25
70%	29.37
65%	31.39
60%	33.59
55%	35.64
50%	37.86
45%	40.24
40%	42.72
35%	45.44
30%	48.44
25%	51.93
20%	55.90
15%	60.79
10%	67.40
5%	78.08
0%	192.57

Forecast: Largest Oil Field

Summary:
Entire range is from 8.39 to 2,499.15
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.28



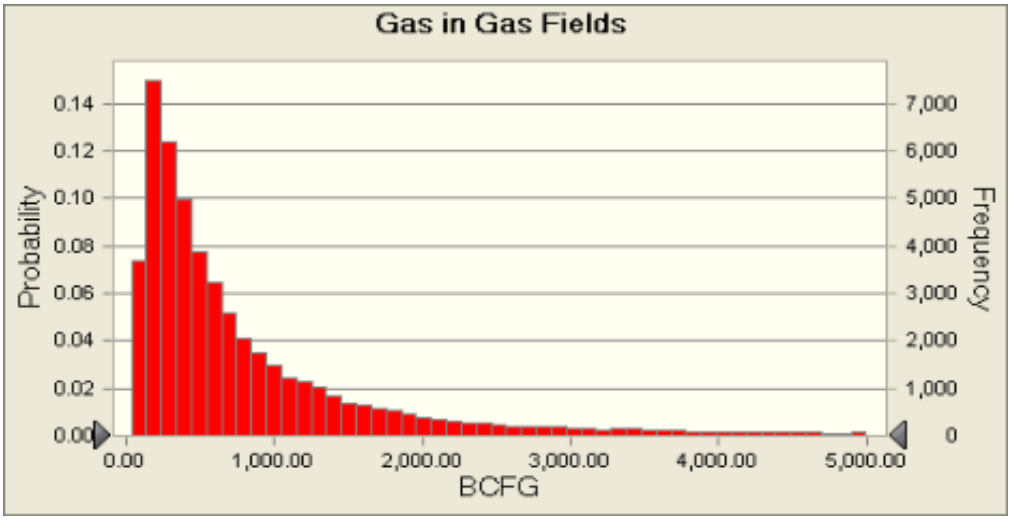
Statistics:	Forecast values
Trials	50,000
Mean	762.00
Median	612.53
Mode	---
Standard Deviation	510.00
Variance	260,097.73
Skewness	1.21
Kurtosis	3.95
Coefficient of Variability	0.6693
Minimum	8.39
Maximum	2,499.15
Range Width	2,490.76
Mean Standard Error	2.28

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	8.39
95%	201.02
90%	255.49
85%	298.53
80%	339.25
75%	381.18
70%	422.61
65%	466.75
60%	511.37
55%	560.03
50%	612.53
45%	672.32
40%	737.06
35%	811.18
30%	901.24
25%	1,005.48
20%	1,137.53
15%	1,305.42
10%	1,526.44
5%	1,867.34
0%	2,499.15

Forecast: Gas in Gas Fields

Summary:
Entire range is from 31.24 to 20,973.58
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.44



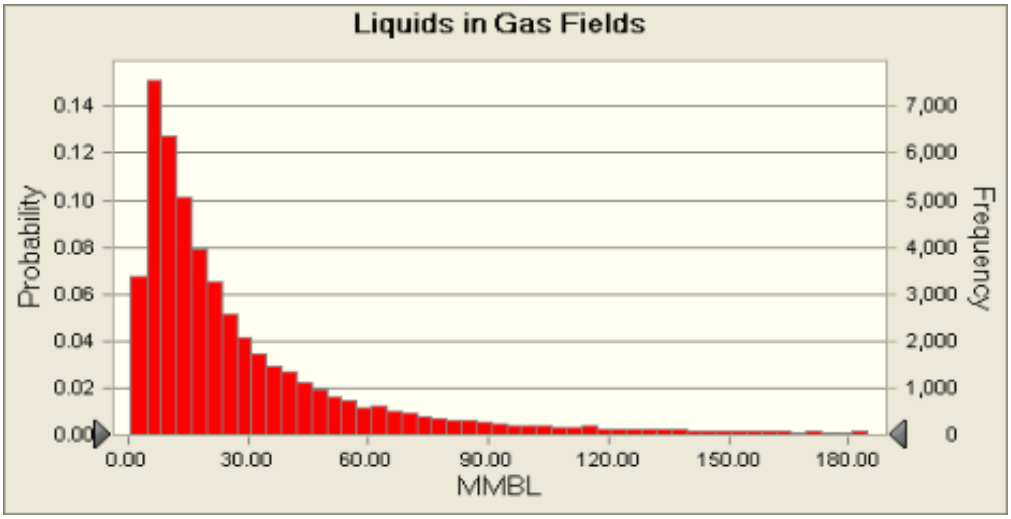
Statistics:	Forecast values
Trials	50,000
Mean	966.17
Median	504.28
Mode	---
Standard Deviation	1,439.28
Variance	2,071,539.94
Skewness	4.51
Kurtosis	31.55
Coefficient of Variability	1.49
Minimum	31.24
Maximum	20,973.58
Range Width	20,942.34
Mean Standard Error	6.44

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	31.24
95%	114.99
90%	150.31
85%	182.58
80%	217.17
75%	254.66
70%	294.45
65%	337.80
60%	385.86
55%	440.26
50%	504.27
45%	576.32
40%	659.42
35%	763.10
30%	894.95
25%	1,058.85
20%	1,278.57
15%	1,603.01
10%	2,127.08
5%	3,364.27
0%	20,973.58

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.88 to 751.92
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.24



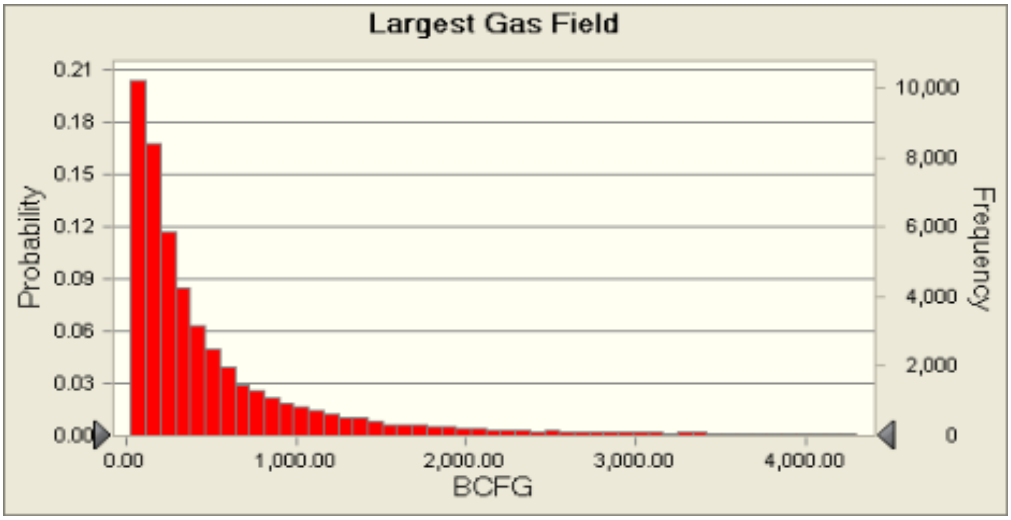
Statistics:	Forecast values
Trials	50,000
Mean	35.31
Median	18.27
Mode	---
Standard Deviation	53.22
Variance	2,832.18
Skewness	4.67
Kurtosis	34.45
Coefficient of Variability	1.51
Minimum	0.88
Maximum	751.92
Range Width	751.04
Mean Standard Error	0.24

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.88
95%	4.14
90%	5.42
85%	6.60
80%	7.87
75%	9.24
70%	10.68
65%	12.26
60%	14.07
55%	16.02
50%	18.27
45%	20.92
40%	23.99
35%	27.71
30%	32.61
25%	38.82
20%	46.53
15%	58.38
10%	78.06
5%	123.08
0%	751.92

Forecast: Largest Gas Field

Summary:
Entire range is from 30.47 to 14,970.98
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.72



Statistics:	Forecast values
Trials	50,000
Mean	709.35
Median	300.59
Mode	---
Standard Deviation	1,278.13
Variance	1,633,611.34
Skewness	5.02
Kurtosis	36.79
Coefficient of Variability	1.80
Minimum	30.47
Maximum	14,970.98
Range Width	14,940.52
Mean Standard Error	5.72

Forecast: Largest Gas Field (continued)

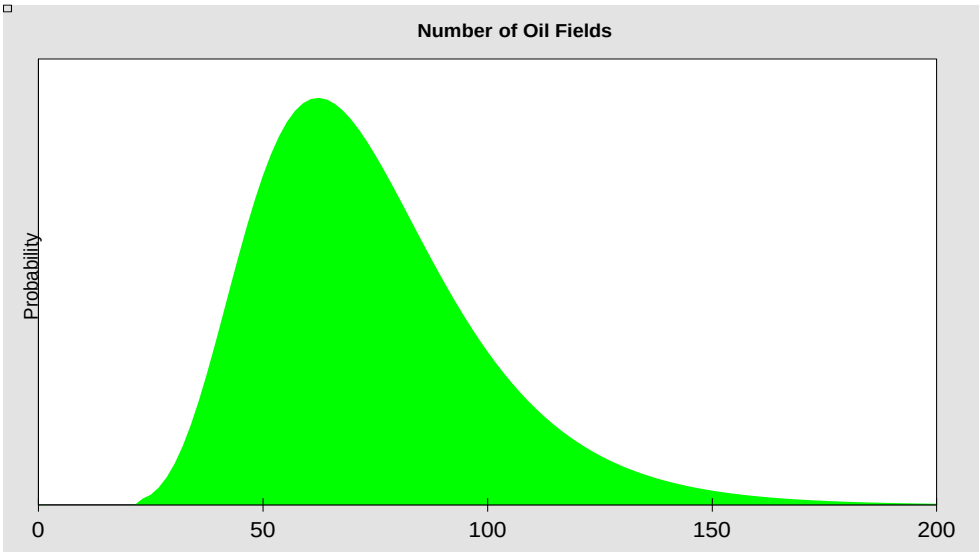
Percentiles:	BCFG
100%	30.47
95%	58.41
90%	77.02
85%	95.39
80%	115.64
75%	137.31
70%	162.46
65%	190.59
60%	222.00
55%	258.85
50%	300.59
45%	350.66
40%	411.82
35%	485.02
30%	581.90
25%	711.37
20%	892.77
15%	1,153.99
10%	1,613.07
5%	2,702.03
0%	14,970.98

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	73.18	74.18
Standard Deviation	25.84	25.84
Selected range is from -Infinity to 199.00		1.00 to 200.00



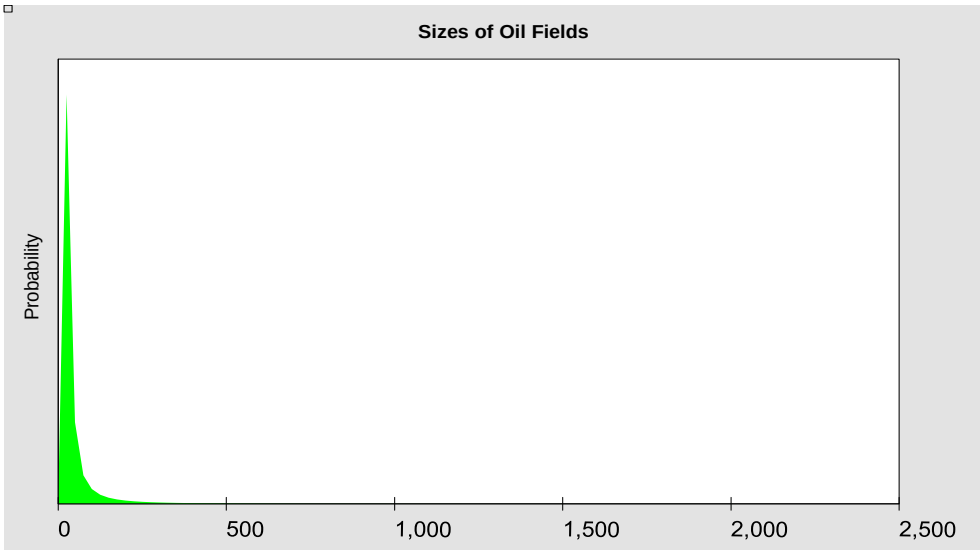
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	74.17	74.03
Median	70.14	69.97
Mode	---	---
Standard Deviation	25.39	25.42
Variance	644.48	646.34
Skewness	0.9684	0.9713
Kurtosis	4.30	4.34
Coefficient of Variability	0.3423	0.3434
Minimum	15.44	1.00
Maximum	198.12	200.00
Range Width	182.68	199.00
Mean Standard Error	0.11	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	15.44	1.00
95%	40.39	40.26
90%	45.59	45.46
85%	49.55	49.36
80%	52.89	52.70
75%	55.99	55.74
70%	58.91	58.63
65%	61.60	61.44
60%	64.33	64.24
55%	67.29	67.07
50%	70.14	69.97
45%	73.23	73.00
40%	76.42	76.22
35%	79.80	79.70
30%	83.61	83.53
25%	87.90	87.88
20%	92.89	92.98
15%	99.38	99.31
10%	107.97	107.87
5%	122.37	121.88
0%	198.12	200.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	49.30	54.3
Standard Deviation	237.98	237.98
Selected range is from -Infinity to 2,495.00		5.00 to 2,500.00



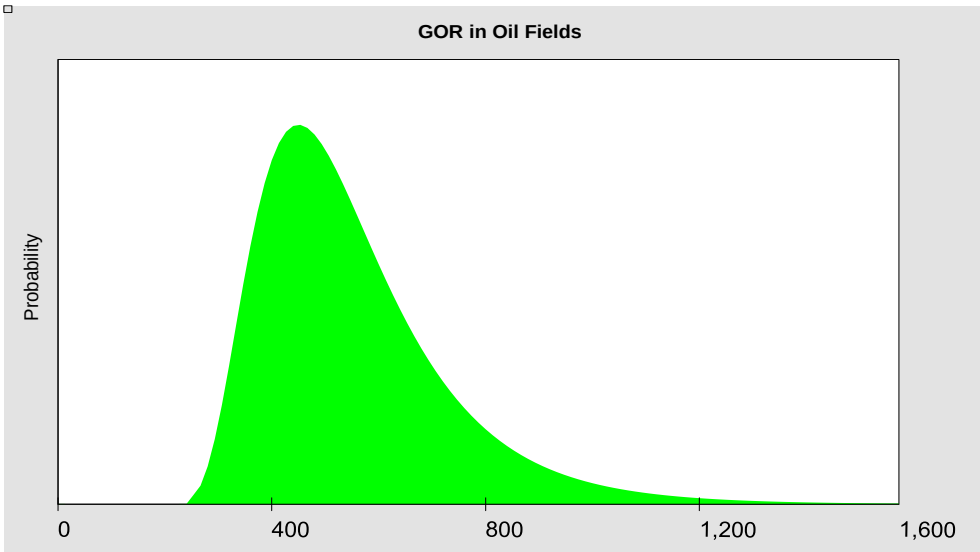
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	49.70	50.21
Median	15.11	14.98
Mode	---	---
Standard Deviation	127.05	128.73
Variance	16,141.62	16,571.45
Skewness	8.09	8.29
Kurtosis	95.51	98.71
Coefficient of Variability	2.56	2.56
Minimum	5.00	5.00
Maximum	2,491.41	2,500.00
Range Width	2,486.41	2,495.00
Mean Standard Error	0.57	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.00	5.00
95%	5.54	5.53
90%	6.01	6.01
85%	6.57	6.57
80%	7.25	7.22
75%	8.02	7.99
70%	8.97	8.91
65%	10.17	10.02
60%	11.41	11.35
55%	13.06	12.97
50%	15.11	14.98
45%	17.65	17.49
40%	20.86	20.68
35%	25.05	24.84
30%	30.84	30.42
25%	38.54	38.22
20%	50.11	49.74
15%	69.14	68.27
10%	102.79	102.77
5%	192.31	190.74
0%	2,491.41	2,500.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	378.40	558.4
Standard Deviation	184.85	184.85
Selected range is from -Infinity to 1,420.00		180.00 to 1,600.00



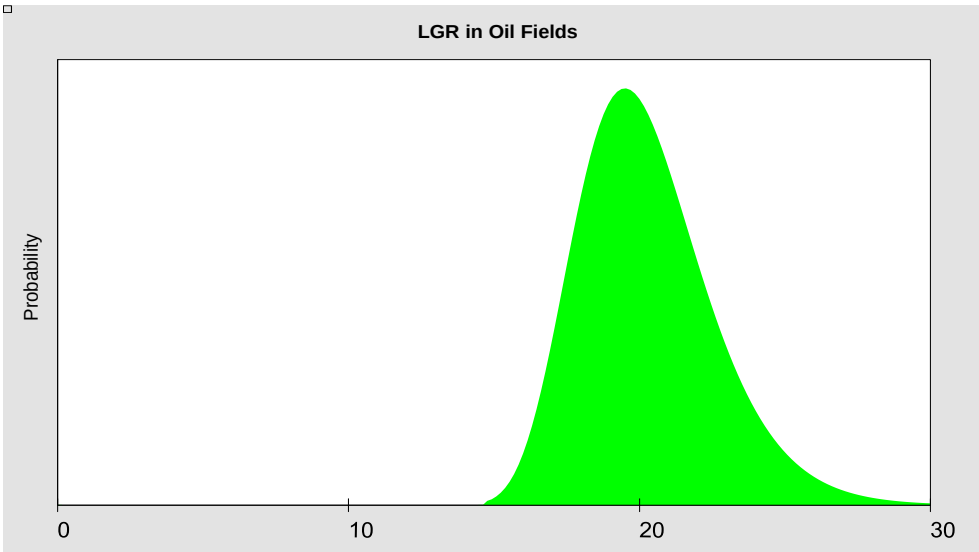
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	556.57	557.15
Median	519.72	519.80
Mode	---	---
Standard Deviation	178.81	180.54
Variance	31,974.21	32,594.87
Skewness	1.35	1.35
Kurtosis	5.70	5.71
Coefficient of Variability	0.3213	0.3240
Minimum	224.19	180.00
Maximum	1,588.14	1,600.00
Range Width	1,363.95	1,420.00
Mean Standard Error	0.80	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	224.19	180.00
95%	340.06	338.82
90%	368.96	367.88
85%	391.32	390.44
80%	410.78	410.27
75%	429.30	428.78
70%	446.95	446.65
65%	464.72	464.36
60%	482.52	482.25
55%	501.06	500.63
50%	519.72	519.80
45%	539.60	540.12
40%	561.67	562.00
35%	585.31	586.01
30%	611.81	612.94
25%	642.73	644.00
20%	679.42	681.18
15%	726.08	728.25
10%	790.81	793.66
5%	902.37	904.61
0%	1,588.14	1,600.00

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



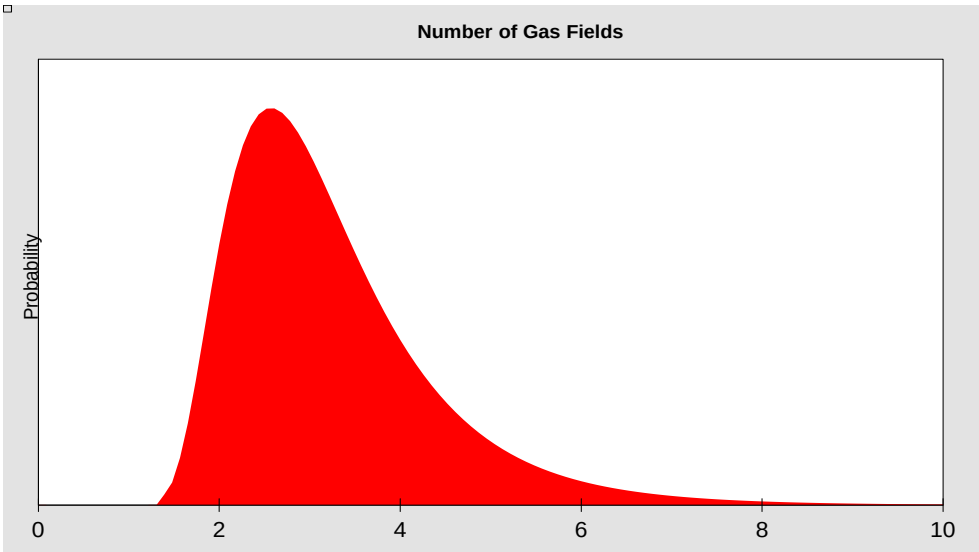
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.24	20.24
Median	20.00	20.00
Mode	---	---
Standard Deviation	2.29	2.30
Variance	5.25	5.31
Skewness	0.6083	0.6157
Kurtosis	3.44	3.47
Coefficient of Variability	0.1132	0.1138
Minimum	13.89	10.00
Maximum	29.99	30.00
Range Width	16.10	20.00
Mean Standard Error	0.01	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	13.89	10.00
95%	16.92	16.91
90%	17.52	17.50
85%	17.95	17.92
80%	18.30	18.28
75%	18.61	18.59
70%	18.89	18.89
65%	19.18	19.17
60%	19.44	19.45
55%	19.72	19.72
50%	20.00	20.00
45%	20.29	20.28
40%	20.58	20.58
35%	20.89	20.90
30%	21.23	21.24
25%	21.62	21.63
20%	22.06	22.07
15%	22.60	22.61
10%	23.30	23.32
5%	24.42	24.43
0%	29.99	30.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	2.25	3.25
Standard Deviation	1.16	1.16
Selected range is from -Infinity to 9.00		1.00 to 10.00



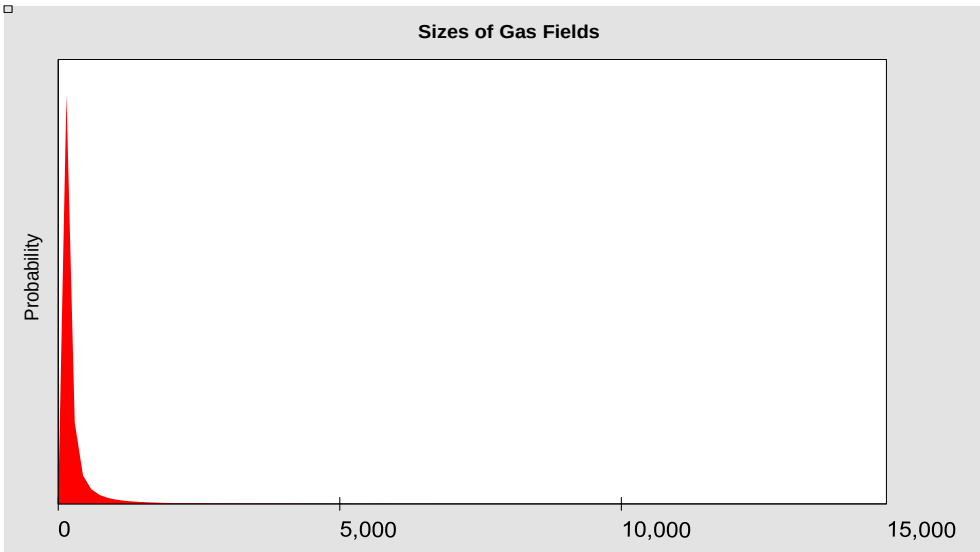
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	3.25	3.24
Median	3.00	3.00
Mode	---	---
Standard Deviation	1.14	1.13
Variance	1.30	1.29
Skewness	1.44	1.44
Kurtosis	6.03	6.06
Coefficient of Variability	0.3511	0.3499
Minimum	1.33	1.00
Maximum	9.98	10.00
Range Width	8.64	9.00
Mean Standard Error	0.01	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.33	1.00
95%	1.90	1.90
90%	2.07	2.07
85%	2.21	2.21
80%	2.33	2.33
75%	2.44	2.44
70%	2.55	2.55
65%	2.66	2.66
60%	2.77	2.77
55%	2.88	2.88
50%	3.00	3.00
45%	3.13	3.12
40%	3.26	3.26
35%	3.41	3.41
30%	3.58	3.58
25%	3.78	3.77
20%	4.01	4.01
15%	4.31	4.31
10%	4.73	4.72
5%	5.45	5.43
0%	9.98	10.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	295.79	325.79
Standard Deviation	1,427.90	1,427.90
Selected range is from -Infinity to 14,970.00		30.00 to 15,000.00



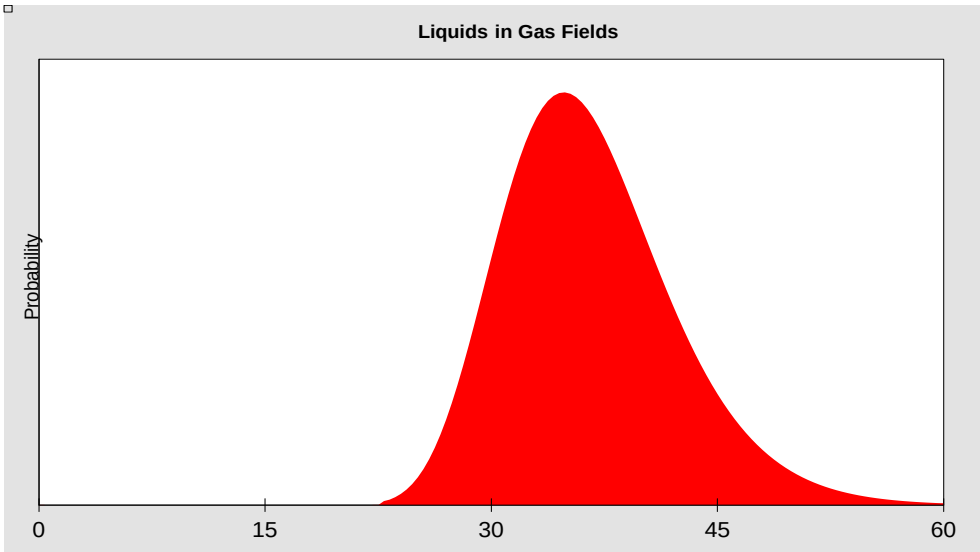
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	301.54	301.26
Median	90.25	89.87
Mode	---	---
Standard Deviation	785.57	772.38
Variance	617,120.98	596,572.28
Skewness	8.15	8.29
Kurtosis	93.81	98.71
Coefficient of Variability	2.61	2.56
Minimum	30.02	30.00
Maximum	14,923.83	15,000.00
Range Width	14,893.80	14,970.00
Mean Standard Error	3.51	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.02	30.00
95%	33.21	33.18
90%	36.14	36.07
85%	39.50	39.41
80%	43.46	43.33
75%	48.08	47.96
70%	53.65	53.48
65%	60.29	60.10
60%	68.61	68.09
55%	78.33	77.84
50%	90.24	89.87
45%	105.46	104.91
40%	125.22	124.08
35%	150.48	149.04
30%	184.74	182.54
25%	233.16	229.32
20%	303.26	298.43
15%	416.97	409.61
10%	630.67	616.61
5%	1,141.70	1,144.42
0%	14,923.83	15,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	26.59	36.59
Standard Deviation	5.69	5.69
Selected range is from -Infinity to 50.00		10.00 to 60.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	36.54	36.56
Median	35.96	35.99
Mode	---	---
Standard Deviation	5.64	5.63
Variance	31.77	31.70
Skewness	0.5754	0.5786
Kurtosis	3.38	3.40
Coefficient of Variability	0.1543	0.1540
Minimum	20.73	10.00
Maximum	60.00	60.00
Range Width	39.27	50.00
Mean Standard Error	0.03	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	20.73	10.00
95%	28.32	28.35
90%	29.81	29.82
85%	30.84	30.88
80%	31.73	31.75
75%	32.50	32.54
70%	33.24	33.26
65%	33.93	33.96
60%	34.62	34.64
55%	35.27	35.31
50%	35.96	35.99
45%	36.67	36.69
40%	37.40	37.42
35%	38.18	38.20
30%	39.03	39.04
25%	39.94	39.97
20%	41.03	41.05
15%	42.36	42.35
10%	44.11	44.06
5%	46.66	46.75
0%	60.00	60.00

End of Assumptions

Simulation started on 8/24/2009 at 9:04:43
Simulation stopped on 8/24/2009 at 9:34:06