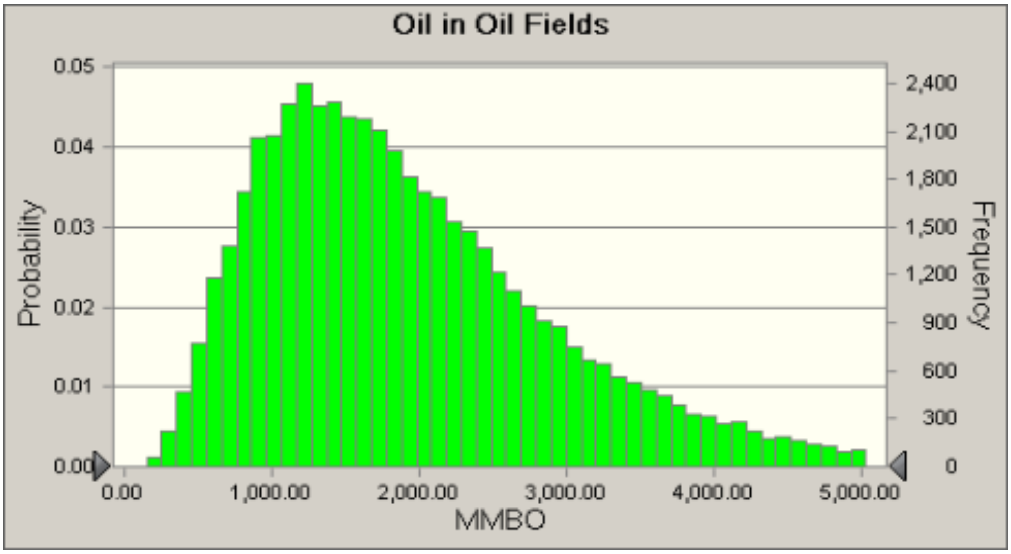
60540101
Platform and Basin Reservoirs
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 48.15 to 10,460.30
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.89



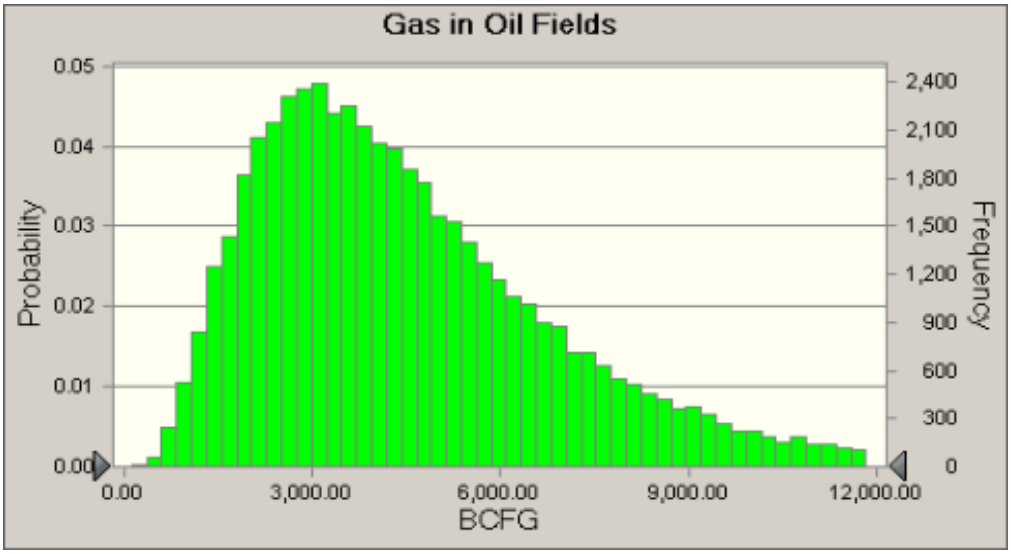
Statistics:	Forecast values
Trials	50,000
Mean	1,974.56
Median	1,751.57
Mode	---
Standard Deviation	1,093.52
Variance	1,195,790.96
Skewness	1.31
Kurtosis	5.65
Coefficient of Variability	0.5538
Minimum	48.15
Maximum	10,460.30
Range Width	10,412.15
Mean Standard Error	4.89

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	48.15
95%	642.67
90%	816.09
85%	948.32
80%	1,069.24
75%	1,182.26
70%	1,288.79
65%	1,401.58
60%	1,513.07
55%	1,630.38
50%	1,751.55
45%	1,876.65
40%	2,018.44
35%	2,167.03
30%	2,333.96
25%	2,519.99
20%	2,747.43
15%	3,032.65
10%	3,427.63
5%	4,063.78
0%	10,460.30

Forecast: Gas in Oil Fields

Summary:
Entire range is from 112.45 to 26,741.40
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.56



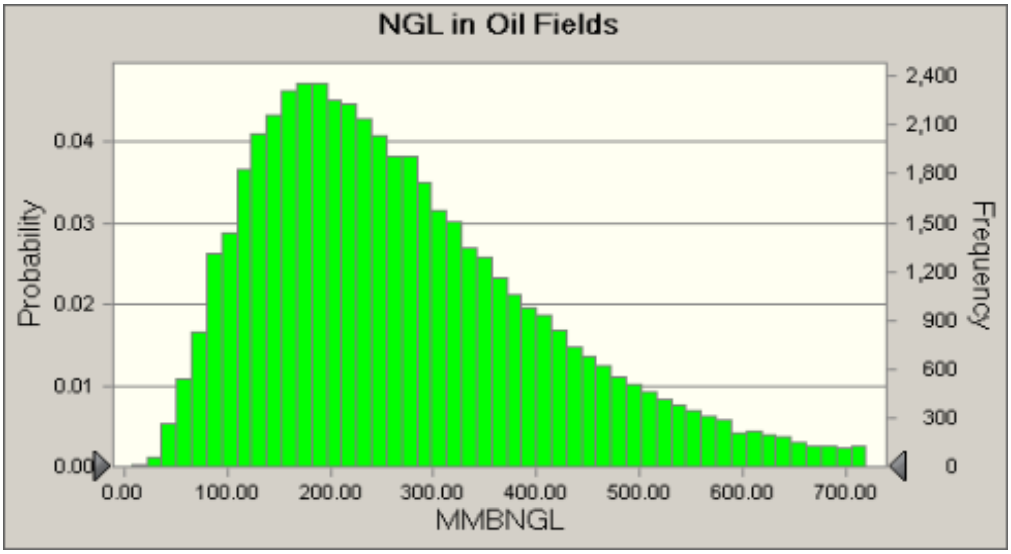
Statistics:	Forecast values
Trials	50,000
Mean	4,593.04
Median	4,057.89
Mode	---
Standard Deviation	2,584.06
Variance	6,677,383.25
Skewness	1.34
Kurtosis	5.76
Coefficient of Variability	0.5626
Minimum	112.45
Maximum	26,741.40
Range Width	26,628.95
Mean Standard Error	11.56

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	112.45
95%	1,471.21
90%	1,874.01
85%	2,180.74
80%	2,465.12
75%	2,726.06
70%	2,978.17
65%	3,228.45
60%	3,498.94
55%	3,772.55
50%	4,057.87
45%	4,355.23
40%	4,673.82
35%	5,027.26
30%	5,421.00
25%	5,876.46
20%	6,421.87
15%	7,081.58
10%	8,012.23
5%	9,503.00
0%	26,741.40

Forecast: NGL in Oil Fields

Summary:
Entire range is from 7.11 to 1,617.51
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.70



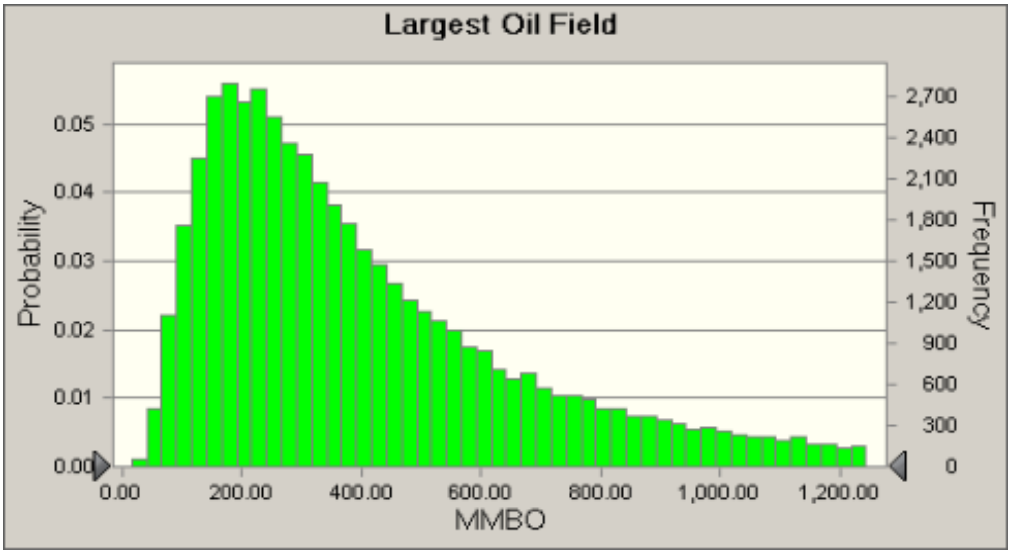
Statistics:	Forecast values
Trials	50,000
Mean	278.95
Median	245.82
Mode	---
Standard Deviation	157.33
Variance	24,754.21
Skewness	1.35
Kurtosis	5.77
Coefficient of Variability	0.5640
Minimum	7.11
Maximum	1,617.51
Range Width	1,610.39
Mean Standard Error	0.70

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	7.11
95%	89.29
90%	113.55
85%	132.12
80%	149.38
75%	165.17
70%	180.74
65%	196.10
60%	212.13
55%	228.87
50%	245.82
45%	264.39
40%	283.58
35%	304.83
30%	328.95
25%	356.87
20%	389.92
15%	430.33
10%	487.30
5%	579.56
0%	1,617.51

Forecast: Largest Oil Field

Summary:
Entire range is from 16.20 to 1,499.30
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.32



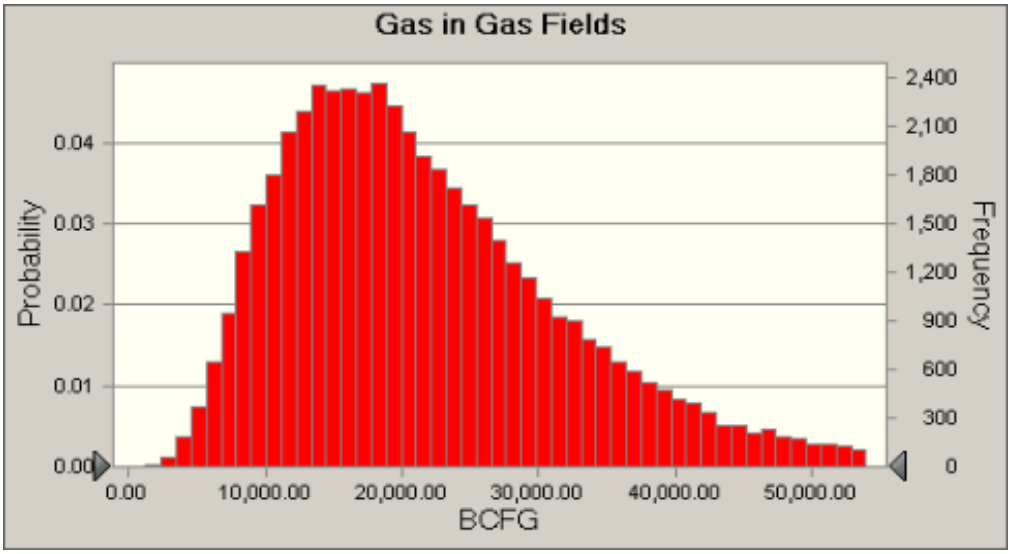
Statistics:	Forecast values
Trials	50,000
Mean	419.34
Median	331.98
Mode	---
Standard Deviation	294.12
Variance	86,508.67
Skewness	1.35
Kurtosis	4.52
Coefficient of Variability	0.7014
Minimum	16.20
Maximum	1,499.30
Range Width	1,483.10
Mean Standard Error	1.32

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	16.20
95%	104.86
90%	135.42
85%	159.30
80%	181.66
75%	204.47
70%	227.57
65%	251.26
60%	276.32
55%	303.45
50%	331.98
45%	364.10
40%	400.11
35%	441.77
30%	490.74
25%	547.36
20%	618.28
15%	714.50
10%	848.14
5%	1,057.66
0%	1,499.30

Forecast: Gas in Gas Fields

Summary:
Entire range is from 161.53 to 97,147.16
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 50.84



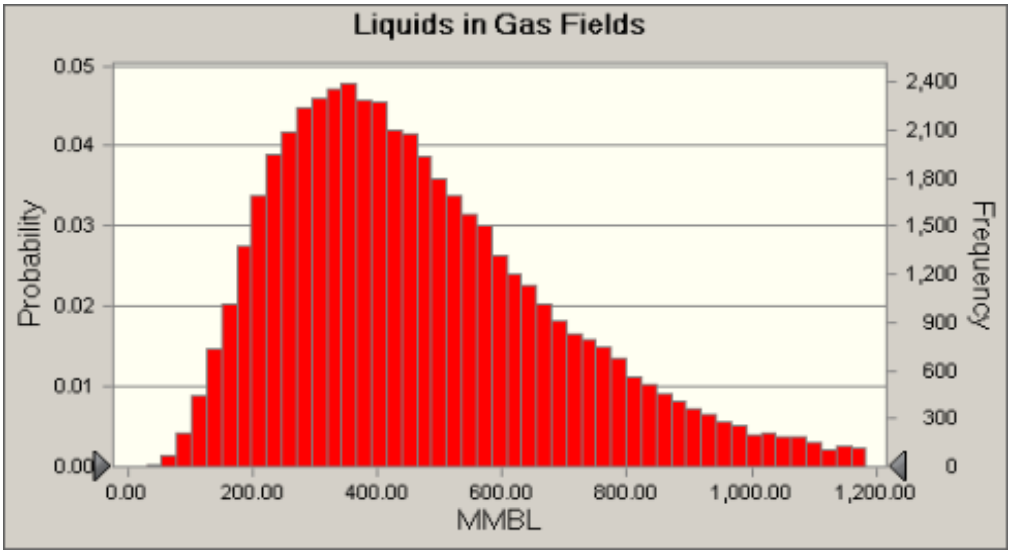
Statistics:	Forecast values
Trials	50,000
Mean	22,180.01
Median	19,909.99
Mode	---
Standard Deviation	11,368.16
Variance	129,235,102.71
Skewness	1.24
Kurtosis	5.30
Coefficient of Variability	0.5125
Minimum	161.53
Maximum	97,147.16
Range Width	96,985.63
Mean Standard Error	50.84

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	161.53
95%	8,129.49
90%	9,961.17
85%	11,467.67
80%	12,749.24
75%	13,978.95
70%	15,134.78
65%	16,333.79
60%	17,524.96
55%	18,677.31
50%	19,909.86
45%	21,247.39
40%	22,716.88
35%	24,275.48
30%	25,982.69
25%	27,934.66
20%	30,286.30
15%	33,249.02
10%	37,158.04
5%	43,735.26
0%	97,147.16

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 4.75 to 2,057.52
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.12



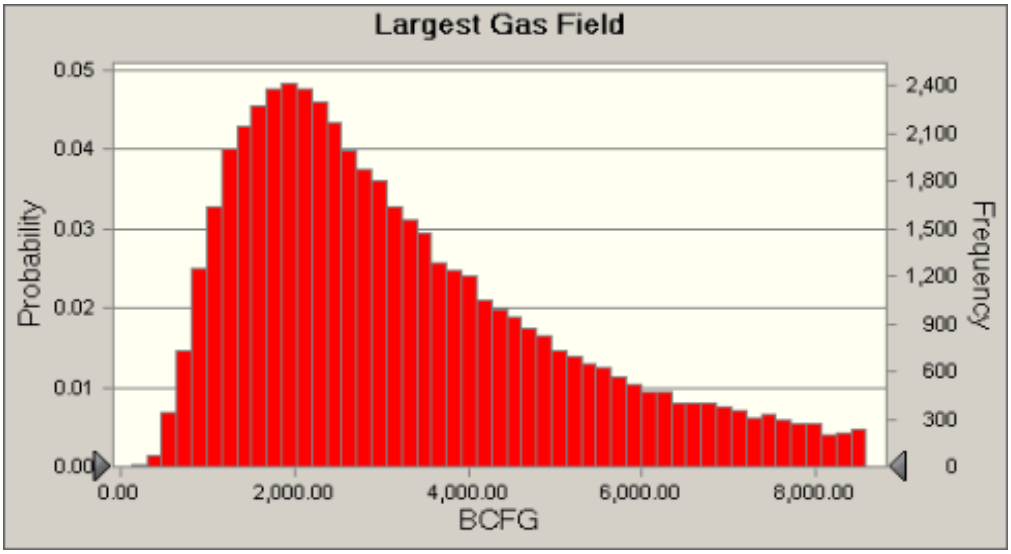
Statistics:	Forecast values
Trials	50,000
Mean	481.91
Median	432.26
Mode	---
Standard Deviation	250.76
Variance	62,878.60
Skewness	1.25
Kurtosis	5.32
Coefficient of Variability	0.5203
Minimum	4.75
Maximum	2,057.52
Range Width	2,052.76
Mean Standard Error	1.12

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	4.75
95%	173.47
90%	213.75
85%	245.45
80%	274.29
75%	300.63
70%	326.48
65%	352.11
60%	378.05
55%	404.53
50%	432.26
45%	460.96
40%	492.72
35%	526.98
30%	564.87
25%	608.50
20%	660.55
15%	727.65
10%	812.31
5%	959.52
0%	2,057.52

Forecast: Largest Gas Field

Summary:
Entire range is from 119.51 to 8,998.94
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 8.48



Statistics:	Forecast values
Trials	50,000
Mean	3,273.39
Median	2,798.14
Mode	---
Standard Deviation	1,897.03
Variance	3,598,740.20
Skewness	0.9465
Kurtosis	3.25
Coefficient of Variability	0.5795
Minimum	119.51
Maximum	8,998.94
Range Width	8,879.43
Mean Standard Error	8.48

Forecast: Largest Gas Field (continued)

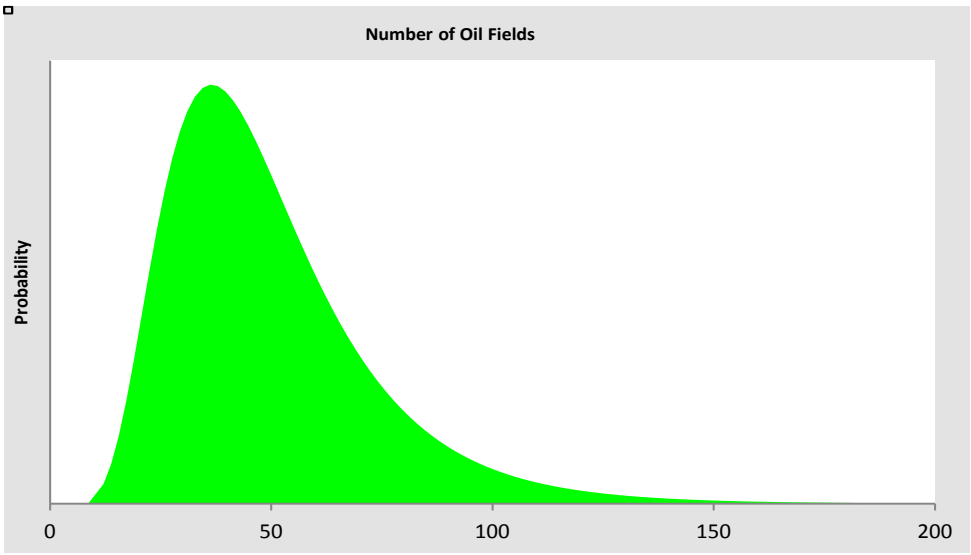
Percentiles:	BCFG
100%	119.51
95%	994.59
90%	1,244.02
85%	1,446.57
80%	1,639.85
75%	1,825.19
70%	2,001.62
65%	2,184.79
60%	2,374.12
55%	2,572.84
50%	2,798.04
45%	3,035.74
40%	3,299.75
35%	3,587.62
30%	3,933.19
25%	4,325.91
20%	4,794.40
15%	5,385.10
10%	6,156.38
5%	7,252.78
0%	8,998.94

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	48.78	49.78
Standard Deviation	23.34	23.34
Selected range is from -Infinity to 179.00		1.00 to 180.00



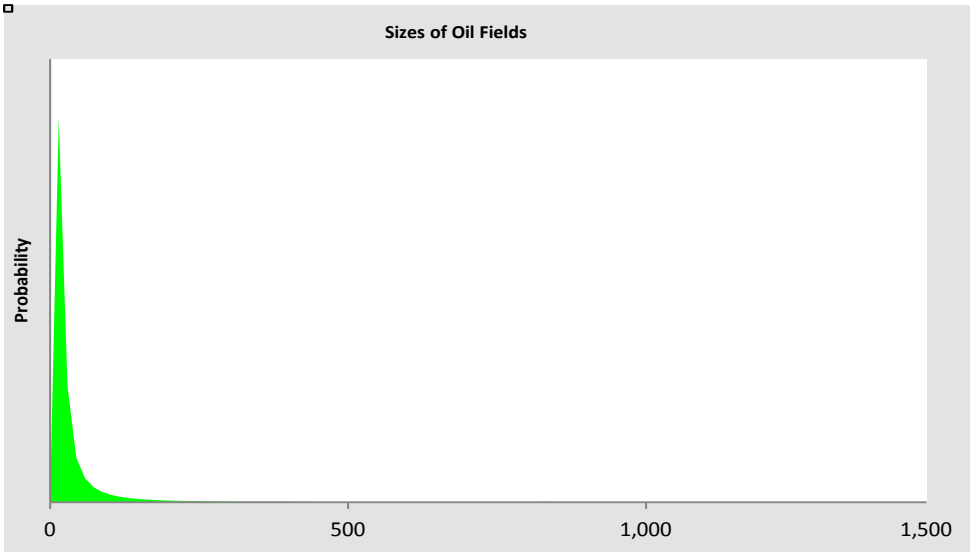
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	49.80	49.62
Median	45.09	44.97
Mode	---	---
Standard Deviation	23.03	22.81
Variance	530.20	520.45
Skewness	1.34	1.33
Kurtosis	5.64	5.59
Coefficient of Variability	0.4624	0.4597
Minimum	7.48	1.00
Maximum	178.82	180.00
Range Width	171.33	179.00
Mean Standard Error	0.10	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.48	1.00
95%	21.79	21.84
90%	25.59	25.58
85%	28.48	28.47
80%	31.08	31.01
75%	33.45	33.38
70%	35.71	35.66
65%	37.95	37.92
60%	40.27	40.20
55%	42.61	42.54
50%	45.09	44.97
45%	47.60	47.55
40%	50.35	50.33
35%	53.40	53.37
30%	57.02	56.78
25%	61.06	60.70
20%	65.78	65.40
15%	71.83	71.33
10%	79.88	79.56
5%	93.86	93.48
0%	178.82	180.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	37.17	42.17
Standard Deviation	133.09	133.09
Selected range is from -Infinity to 1,495.00		5.00 to 1,500.00



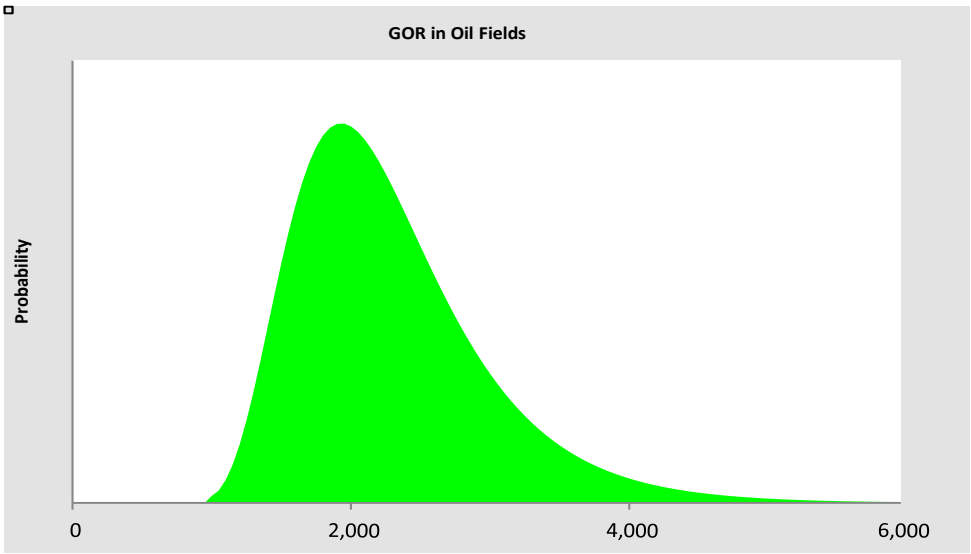
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	40.18	39.75
Median	15.14	14.98
Mode	---	---
Standard Deviation	87.66	84.88
Variance	7,683.86	7,204.21
Skewness	7.25	7.18
Kurtosis	76.54	76.06
Coefficient of Variability	2.18	2.14
Minimum	5.01	5.00
Maximum	1,494.81	1,500.00
Range Width	1,489.80	1,495.00
Mean Standard Error	0.39	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.01	5.00
95%	5.69	5.70
90%	6.24	6.25
85%	6.87	6.86
80%	7.56	7.55
75%	8.35	8.35
70%	9.26	9.27
65%	10.34	10.35
60%	11.66	11.62
55%	13.19	13.14
50%	15.14	14.98
45%	17.45	17.23
40%	20.24	20.04
35%	23.84	23.62
30%	28.66	28.32
25%	35.20	34.72
20%	44.53	43.93
15%	59.07	58.31
10%	84.15	84.13
5%	147.22	146.63
0%	1,494.81	1,500.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	600
Mean	1,728.90	2,328.90
Standard Deviation	707.83	707.83
Selected range is from -Infinity to 5,400.00		600.00 to 6,000.00



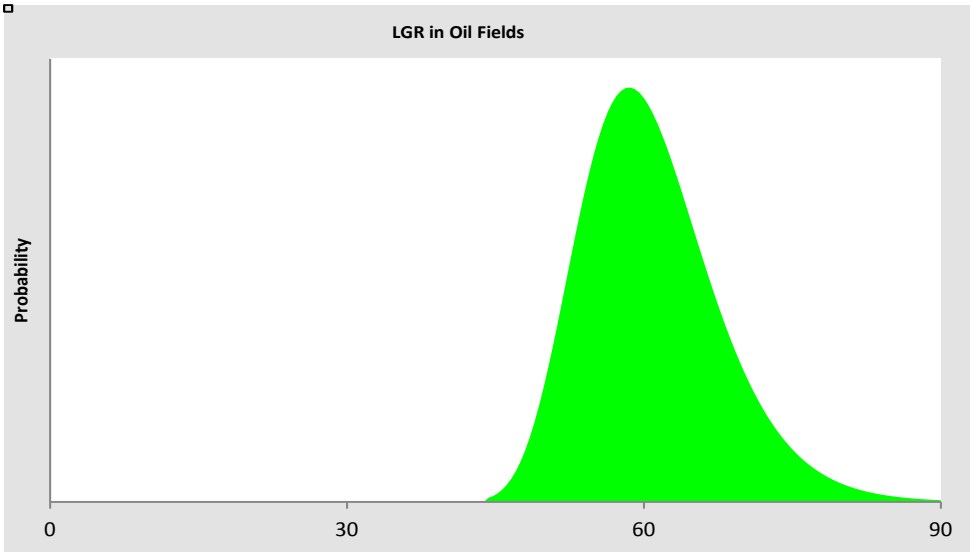
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2,318.87	2,324.56
Median	2,191.64	2,199.21
Mode	---	---
Standard Deviation	690.91	694.49
Variance	477,355.18	482,320.92
Skewness	1.13	1.13
Kurtosis	4.85	4.85
Coefficient of Variability	0.2980	0.2988
Minimum	851.05	600.00
Maximum	5,992.85	6,000.00
Range Width	5,141.81	5,400.00
Mean Standard Error	3.09	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	851.05	600.00
95%	1,438.62	1,437.20
90%	1,566.83	1,565.88
85%	1,664.76	1,663.70
80%	1,747.09	1,748.45
75%	1,823.70	1,826.52
70%	1,898.23	1,901.13
65%	1,969.82	1,974.30
60%	2,039.65	2,047.54
55%	2,114.62	2,122.10
50%	2,191.63	2,199.21
45%	2,274.13	2,280.22
40%	2,360.61	2,366.72
35%	2,453.21	2,460.78
30%	2,553.46	2,565.30
25%	2,674.43	2,684.63
20%	2,820.60	2,825.96
15%	2,998.57	3,002.64
10%	3,241.58	3,244.49
5%	3,635.13	3,646.24
0%	5,992.85	6,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	30.76	60.76
Standard Deviation	6.99	6.99
Selected range is from -Infinity to 60.00		30.00 to 90.00



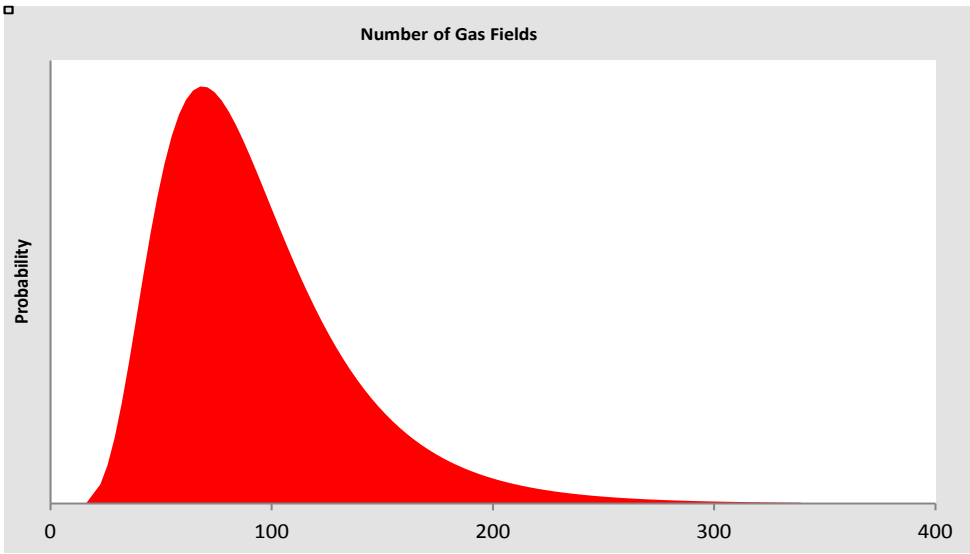
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	60.67	60.73
Median	59.89	59.99
Mode	---	---
Standard Deviation	6.87	6.91
Variance	47.14	47.77
Skewness	0.6190	0.6157
Kurtosis	3.49	3.47
Coefficient of Variability	0.1132	0.1138
Minimum	42.35	30.00
Maximum	89.95	90.00
Range Width	47.60	60.00
Mean Standard Error	0.03	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	42.35	30.00
95%	50.78	50.74
90%	52.52	52.50
85%	53.75	53.77
80%	54.82	54.83
75%	55.76	55.78
70%	56.64	56.67
65%	57.46	57.51
60%	58.27	58.34
55%	59.07	59.16
50%	59.89	59.99
45%	60.77	60.85
40%	61.67	61.74
35%	62.63	62.70
30%	63.68	63.73
25%	64.78	64.88
20%	66.12	66.21
15%	67.76	67.82
10%	69.83	69.95
5%	73.11	73.30
0%	89.95	90.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	93.01	94.01
Standard Deviation	44.23	44.23
Selected range is from -Infinity to 339.00		1.00 to 340.00



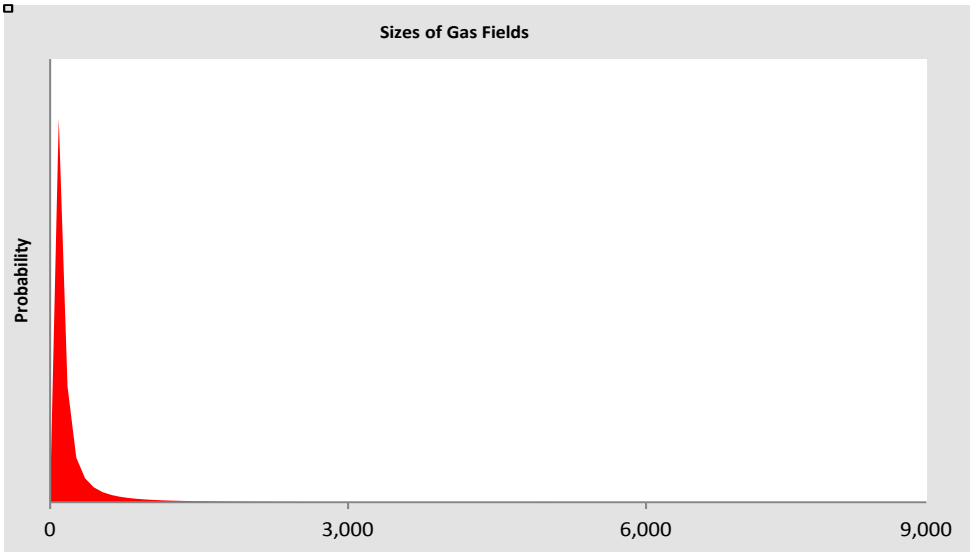
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	93.60	93.72
Median	84.86	84.95
Mode	---	---
Standard Deviation	43.06	43.24
Variance	1,854.54	1,869.27
Skewness	1.29	1.32
Kurtosis	5.43	5.56
Coefficient of Variability	0.4601	0.4613
Minimum	14.89	1.00
Maximum	338.97	340.00
Range Width	324.08	339.00
Mean Standard Error	0.19	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	14.89	1.00
95%	41.12	40.96
90%	48.19	48.08
85%	53.53	53.59
80%	58.23	58.43
75%	62.76	62.92
70%	67.13	67.26
65%	71.50	71.56
60%	75.77	75.89
55%	80.18	80.33
50%	84.86	84.95
45%	89.65	89.85
40%	94.86	95.11
35%	100.66	100.88
30%	107.35	107.34
25%	114.68	114.78
20%	123.83	123.67
15%	135.07	134.91
10%	150.75	150.48
5%	176.59	176.80
0%	338.97	340.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	223.04	253.04
Standard Deviation	798.51	798.51
Selected range is from -Infinity to 8,970.00		30.00 to 9,000.00



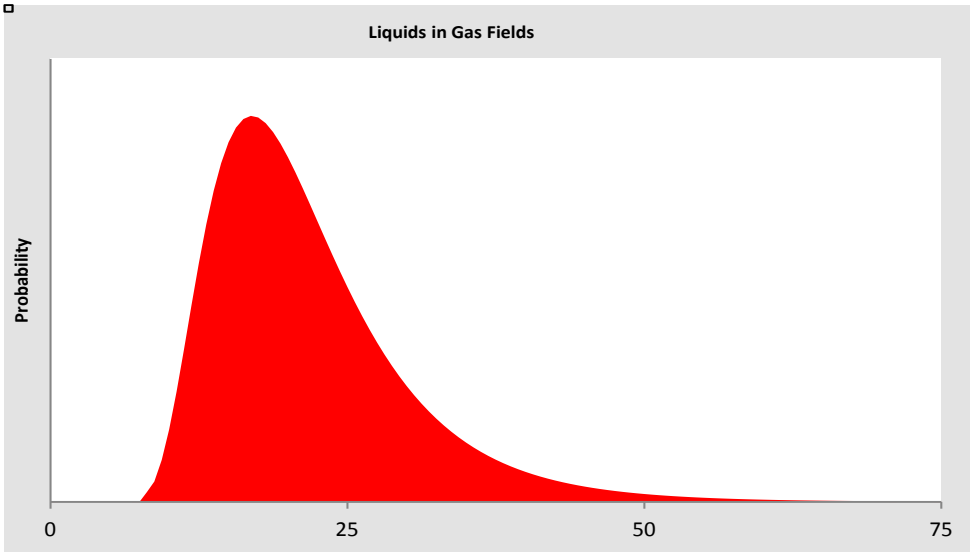
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	238.69	238.48
Median	91.23	89.88
Mode	---	---
Standard Deviation	507.65	509.27
Variance	257,710.16	259,351.48
Skewness	7.05	7.18
Kurtosis	73.57	76.06
Coefficient of Variability	2.13	2.14
Minimum	30.07	30.00
Maximum	8,964.28	9,000.00
Range Width	8,934.21	8,970.00
Mean Standard Error	2.27	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.07	30.00
95%	34.12	34.17
90%	37.51	37.51
85%	41.24	41.18
80%	45.41	45.32
75%	50.32	50.09
70%	55.98	55.61
65%	62.47	62.09
60%	70.16	69.73
55%	79.72	78.86
50%	91.23	89.88
45%	105.25	103.39
40%	121.58	120.23
35%	143.18	141.71
30%	171.93	169.89
25%	211.48	208.31
20%	266.64	263.59
15%	355.85	349.89
10%	506.56	504.75
5%	878.14	879.78
0%	8,964.28	9,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	16.79	21.79
Standard Deviation	8.44	8.44
Selected range is from -Infinity to 65.00		5.00 to 70.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	21.77	21.73
Median	19.99	19.99
Mode	---	---
Standard Deviation	8.29	8.23
Variance	68.66	67.78
Skewness	1.43	1.39
Kurtosis	6.05	5.88
Coefficient of Variability	0.3807	0.3789
Minimum	7.23	5.00
Maximum	69.83	70.00
Range Width	62.59	65.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.23	5.00
95%	11.86	11.87
90%	13.17	13.16
85%	14.21	14.17
80%	15.11	15.06
75%	15.94	15.89
70%	16.72	16.69
65%	17.52	17.49
60%	18.32	18.29
55%	19.15	19.12
50%	19.99	19.99
45%	20.91	20.91
40%	21.90	21.90
35%	22.97	22.99
30%	24.21	24.22
25%	25.63	25.64
20%	27.39	27.33
15%	29.59	29.49
10%	32.52	32.49
5%	37.58	37.60
0%	69.83	70.00

End of Assumptions

Simulation started on 6/28/2011 at 4:53 PM
Simulation stopped on 6/28/2011 at 9:11 PM