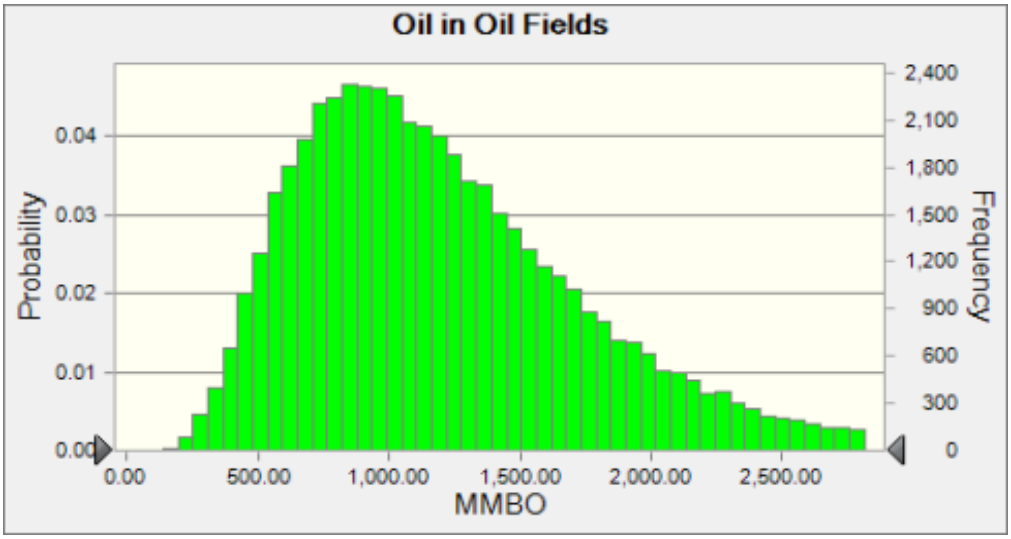
39660101
Papua-New Guinea Fold Belt
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 24.99 to 4,982.77
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.55



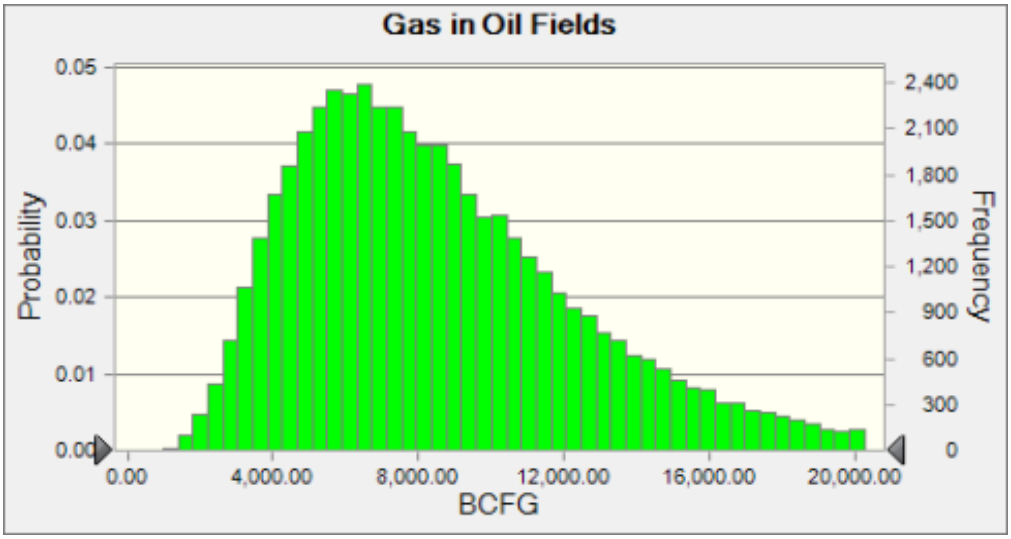
Statistics:	Forecast values
Trials	50,000
Mean	1,214.62
Median	1,110.57
Mode	---
Standard Deviation	570.46
Variance	325,424.64
Skewness	1.07
Kurtosis	4.61
Coefficient of Variability	0.4697
Minimum	24.99
Maximum	4,982.77
Range Width	4,957.77
Mean Standard Error	2.55

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	24.99
95%	486.10
90%	585.42
85%	662.11
80%	731.90
75%	795.28
70%	857.43
65%	918.94
60%	981.26
55%	1,043.33
50%	1,110.56
45%	1,179.98
40%	1,253.98
35%	1,334.70
30%	1,421.87
25%	1,522.93
20%	1,642.32
15%	1,786.72
10%	1,985.25
5%	2,297.04
0%	4,982.77

Forecast: Gas in Oil Fields

Summary:
Entire range is from 150.81 to 38,002.80
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 18.53



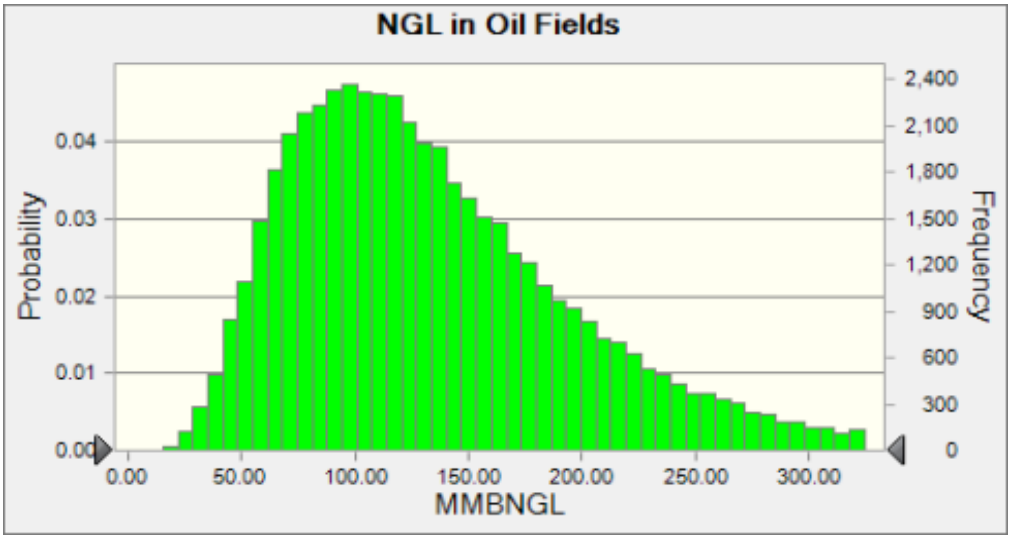
Statistics:	Forecast values
Trials	50,000
Mean	8,637.17
Median	7,850.37
Mode	---
Standard Deviation	4,144.09
Variance	17,173,483.17
Skewness	1.12
Kurtosis	4.78
Coefficient of Variability	0.4798
Minimum	150.81
Maximum	38,002.80
Range Width	37,851.98
Mean Standard Error	18.53

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	150.81
95%	3,410.81
90%	4,111.02
85%	4,664.67
80%	5,146.18
75%	5,611.62
70%	6,043.00
65%	6,479.03
60%	6,925.29
55%	7,371.37
50%	7,850.37
45%	8,364.81
40%	8,889.83
35%	9,459.39
30%	10,120.39
25%	10,840.27
20%	11,693.79
15%	12,770.15
10%	14,232.53
5%	16,591.72
0%	38,002.80

Forecast: NGL in Oil Fields

Summary:
Entire range is from 2.29 to 637.18
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.30



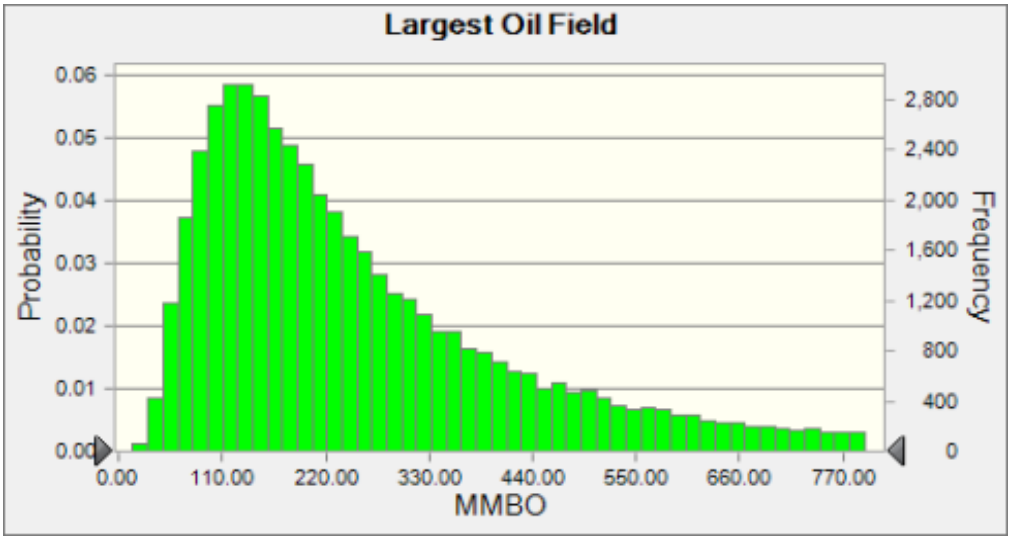
Statistics:	Forecast values
Trials	50,000
Mean	136.13
Median	122.88
Mode	---
Standard Deviation	67.20
Variance	4,515.27
Skewness	1.21
Kurtosis	5.18
Coefficient of Variability	0.4936
Minimum	2.29
Maximum	637.18
Range Width	634.90
Mean Standard Error	0.30

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	2.29
95%	52.81
90%	63.72
85%	72.21
80%	80.03
75%	87.30
70%	94.39
65%	101.28
60%	108.28
55%	115.44
50%	122.88
45%	130.82
40%	139.14
35%	148.50
30%	159.08
25%	170.66
20%	184.84
15%	202.50
10%	225.83
5%	264.92
0%	637.18

Forecast: Largest Oil Field

Summary:
Entire range is from 15.15 to 999.76
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.84



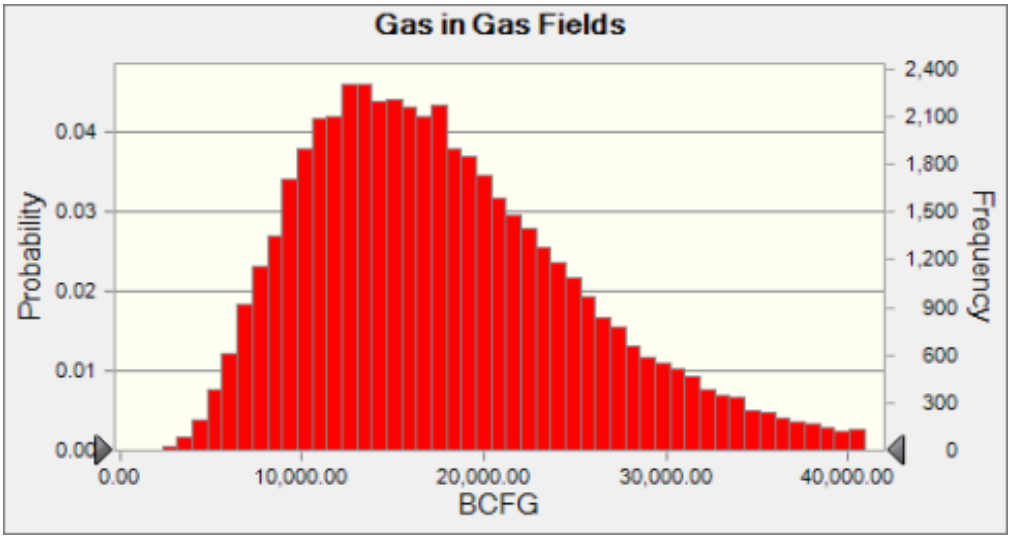
Statistics:	Forecast values
Trials	50,000
Mean	265.93
Median	208.03
Mode	---
Standard Deviation	188.11
Variance	35,383.63
Skewness	1.46
Kurtosis	4.93
Coefficient of Variability	0.7074
Minimum	15.15
Maximum	999.76
Range Width	984.62
Mean Standard Error	0.84

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	15.15
95%	70.57
90%	88.76
85%	103.91
80%	117.55
75%	131.37
70%	144.95
65%	158.99
60%	174.31
55%	190.66
50%	208.02
45%	228.13
40%	250.20
35%	276.13
30%	306.50
25%	343.00
20%	388.96
15%	448.95
10%	534.72
5%	676.21
0%	999.76

Forecast: Gas in Gas Fields

Summary:
Entire range is from 710.49 to 75,625.53
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 36.37



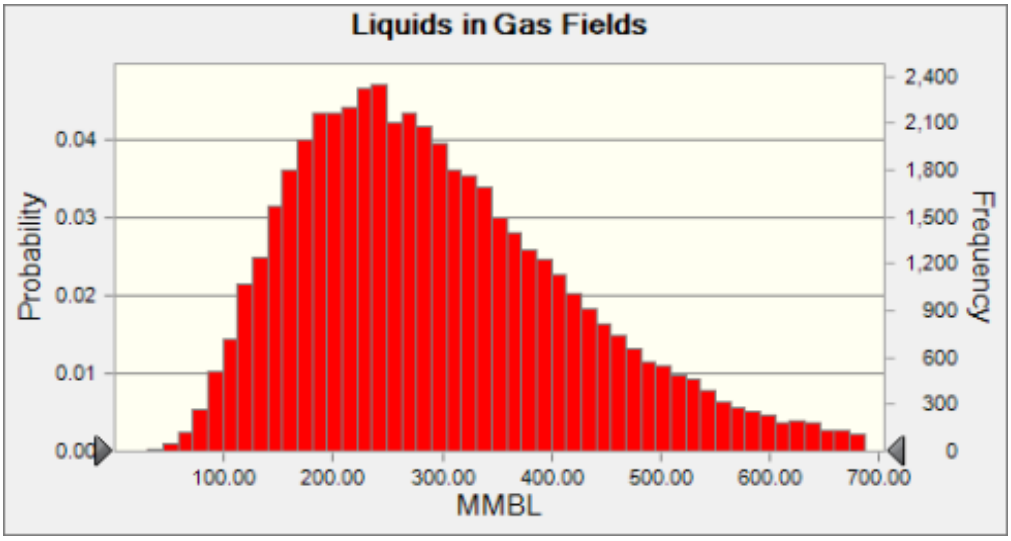
Statistics:	Forecast values
Trials	50,000
Mean	18,138.47
Median	16,796.21
Mode	---
Standard Deviation	8,131.98
Variance	66,129,175.91
Skewness	1.01
Kurtosis	4.47
Coefficient of Variability	0.4483
Minimum	710.49
Maximum	75,625.53
Range Width	74,915.04
Mean Standard Error	36.37

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	710.49
95%	7,488.82
90%	9,067.48
85%	10,212.04
80%	11,218.66
75%	12,192.43
70%	13,079.25
65%	13,966.06
60%	14,908.52
55%	15,840.87
50%	16,795.22
45%	17,766.62
40%	18,826.37
35%	19,938.10
30%	21,209.22
25%	22,628.82
20%	24,249.83
15%	26,251.65
10%	29,077.55
5%	33,515.05
0%	75,625.53

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 16.80 to 1,162.76
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.61



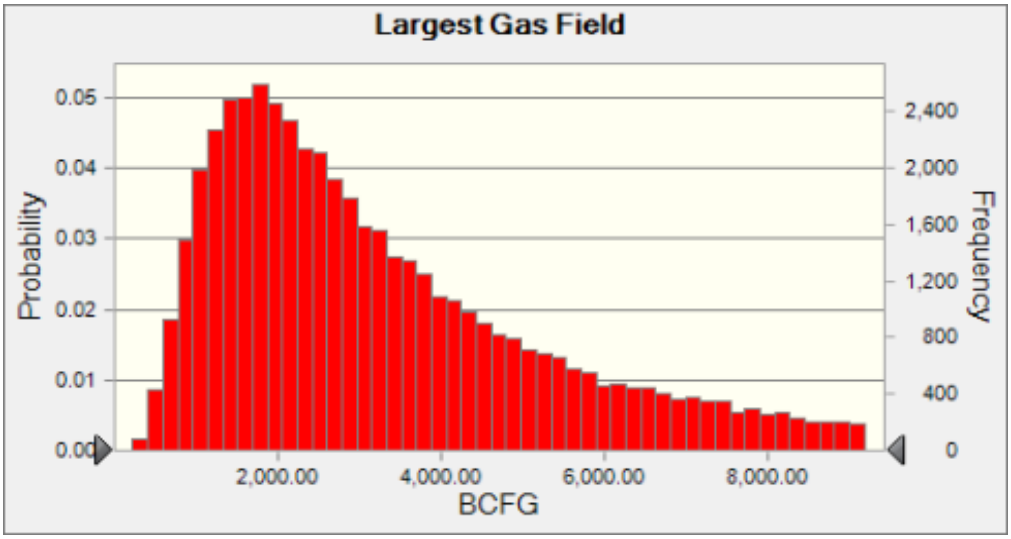
Statistics:	Forecast values
Trials	50,000
Mean	301.43
Median	277.43
Mode	---
Standard Deviation	137.42
Variance	18,884.96
Skewness	1.04
Kurtosis	4.57
Coefficient of Variability	0.4559
Minimum	16.80
Maximum	1,162.76
Range Width	1,145.96
Mean Standard Error	0.61

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	16.80
95%	122.73
90%	148.82
85%	168.12
80%	184.65
75%	200.68
70%	216.34
65%	231.19
60%	245.86
55%	261.57
50%	277.43
45%	294.03
40%	312.28
35%	331.56
30%	352.33
25%	376.98
20%	404.38
15%	438.97
10%	485.92
5%	560.73
0%	1,162.76

Forecast: Largest Gas Field

Summary:
Entire range is from 240.65 to 9,999.24
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 9.36



Statistics:	Forecast values
Trials	50,000
Mean	3,303.99
Median	2,719.07
Mode	---
Standard Deviation	2,093.23
Variance	4,381,600.52
Skewness	1.09
Kurtosis	3.59
Coefficient of Variability	0.6335
Minimum	240.65
Maximum	9,999.24
Range Width	9,758.59
Mean Standard Error	9.36

Forecast: Largest Gas Field (continued)

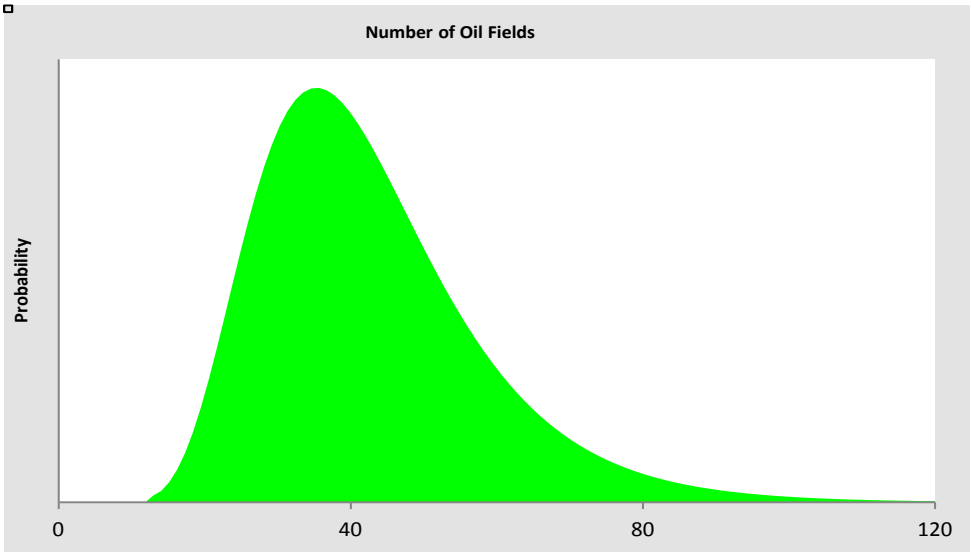
Percentiles:	BCFG
100%	240.65
95%	925.89
90%	1,157.96
85%	1,358.61
80%	1,540.70
75%	1,718.46
70%	1,896.12
65%	2,083.37
60%	2,276.97
55%	2,491.36
50%	2,719.00
45%	2,968.44
40%	3,251.50
35%	3,581.02
30%	3,938.88
25%	4,377.11
20%	4,909.76
15%	5,565.01
10%	6,498.23
5%	7,775.50
0%	9,999.24

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	41.63	42.63
Standard Deviation	15.53	15.53
Selected range is from -Infinity to 119.00		1.00 to 120.00



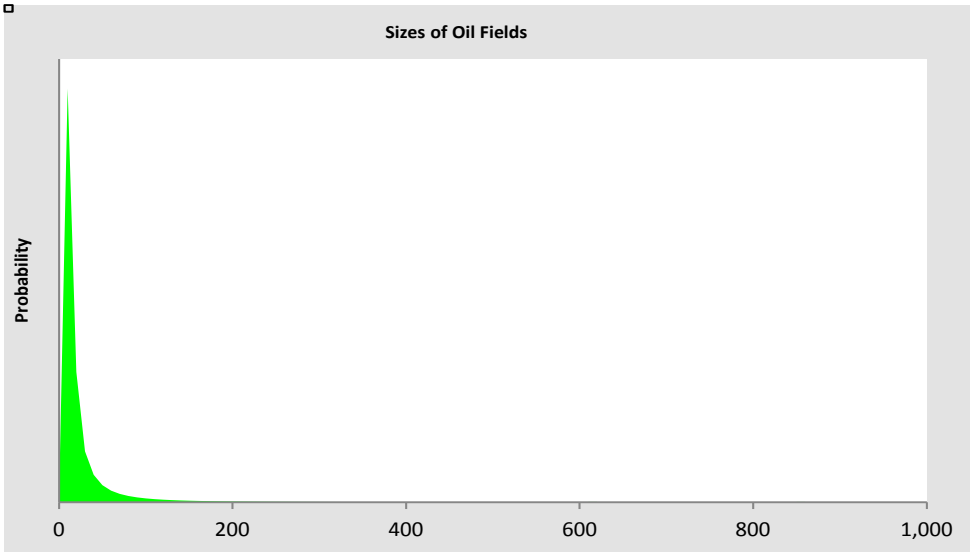
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	42.43	42.54
Median	39.89	39.98
Mode	---	---
Standard Deviation	15.14	15.27
Variance	229.07	233.08
Skewness	1.01	1.03
Kurtosis	4.45	4.51
Coefficient of Variability	0.3567	0.3589
Minimum	9.01	1.00
Maximum	119.58	120.00
Range Width	110.57	119.00
Mean Standard Error	0.07	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	9.01	1.00
95%	22.41	22.53
90%	25.54	25.55
85%	27.85	27.82
80%	29.79	29.77
75%	31.59	31.56
70%	33.29	33.26
65%	34.94	34.92
60%	36.51	36.58
55%	38.18	38.25
50%	39.89	39.98
45%	41.70	41.79
40%	43.58	43.71
35%	45.64	45.79
30%	47.88	48.09
25%	50.60	50.71
20%	53.69	53.79
15%	57.50	57.62
10%	62.66	62.83
5%	71.05	71.39
0%	119.58	120.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	25.34	30.34
Standard Deviation	88.19	88.19
Selected range is from -Infinity to 995.00		5.00 to 1,000.00



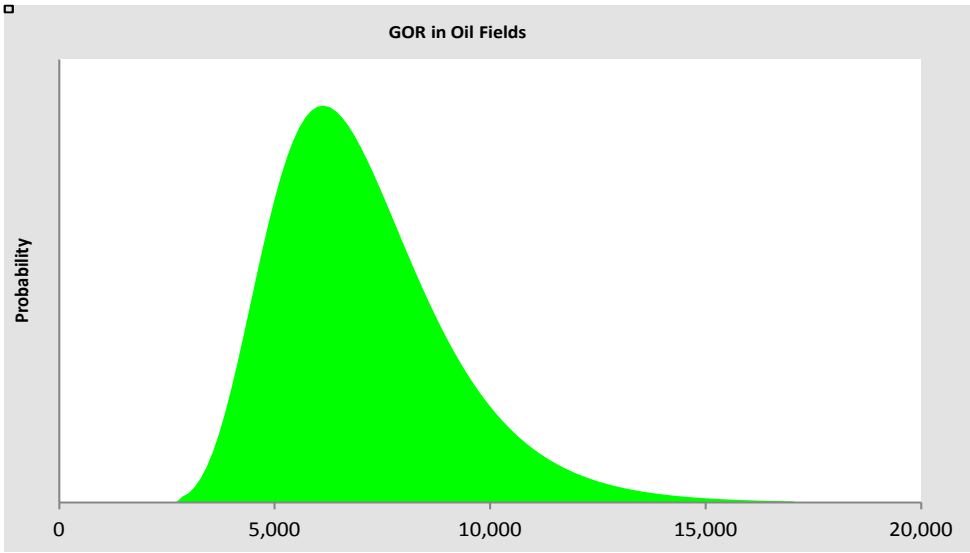
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	28.89	28.73
Median	12.01	11.99
Mode	---	---
Standard Deviation	57.48	57.05
Variance	3,303.81	3,255.20
Skewness	6.95	7.08
Kurtosis	71.56	74.02
Coefficient of Variability	1.99	1.99
Minimum	5.01	5.00
Maximum	975.49	1,000.00
Range Width	970.49	995.00
Mean Standard Error	0.26	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.01	5.00
95%	5.49	5.50
90%	5.88	5.90
85%	6.32	6.33
80%	6.81	6.81
75%	7.34	7.37
70%	8.00	8.01
65%	8.76	8.77
60%	9.69	9.65
55%	10.71	10.71
50%	12.01	11.99
45%	13.62	13.54
40%	15.60	15.48
35%	18.09	17.95
30%	21.25	21.18
25%	25.71	25.58
20%	32.13	31.88
15%	42.05	41.70
10%	59.56	59.24
5%	104.67	101.53
0%	975.49	1,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1,000.00
Mean	6,121.32	7,121.32
Standard Deviation	2,065.63	2,065.63
Selected range is from -Infinity to 16,000.00		1000.00 to 17,000.00



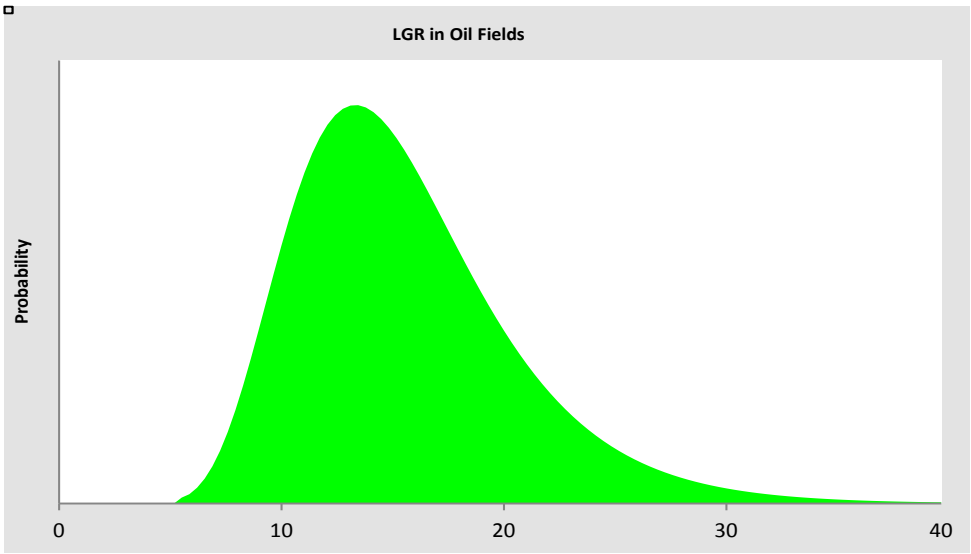
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	7,108.79	7,109.83
Median	6,800.77	6,797.61
Mode	---	---
Standard Deviation	2,039.08	2,033.92
Variance	4,157,840.24	4,136,820.46
Skewness	0.9206	0.9271
Kurtosis	4.18	4.21
Coefficient of Variability	0.2868	0.2861
Minimum	2,365.50	1,000.00
Maximum	16,958.80	17,000.00
Range Width	14,593.31	16,000.00
Mean Standard Error	9.12	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	2,365.50	1,000.00
95%	4,375.08	4,378.87
90%	4,792.71	4,806.92
85%	5,115.15	5,125.92
80%	5,390.34	5,398.40
75%	5,634.31	5,646.44
70%	5,869.42	5,881.07
65%	6,104.35	6,109.04
60%	6,337.81	6,335.17
55%	6,568.58	6,563.45
50%	6,800.70	6,797.61
45%	7,039.51	7,041.59
40%	7,297.65	7,299.97
35%	7,584.63	7,578.57
30%	7,898.18	7,885.42
25%	8,243.13	8,232.46
20%	8,653.57	8,639.27
15%	9,137.51	9,141.86
10%	9,809.95	9,820.06
5%	10,950.63	10,924.53
0%	16,958.80	17,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	14.79	15.79
Standard Deviation	5.04	5.04
Selected range is from -Infinity to 39.00		1.00 to 40.00



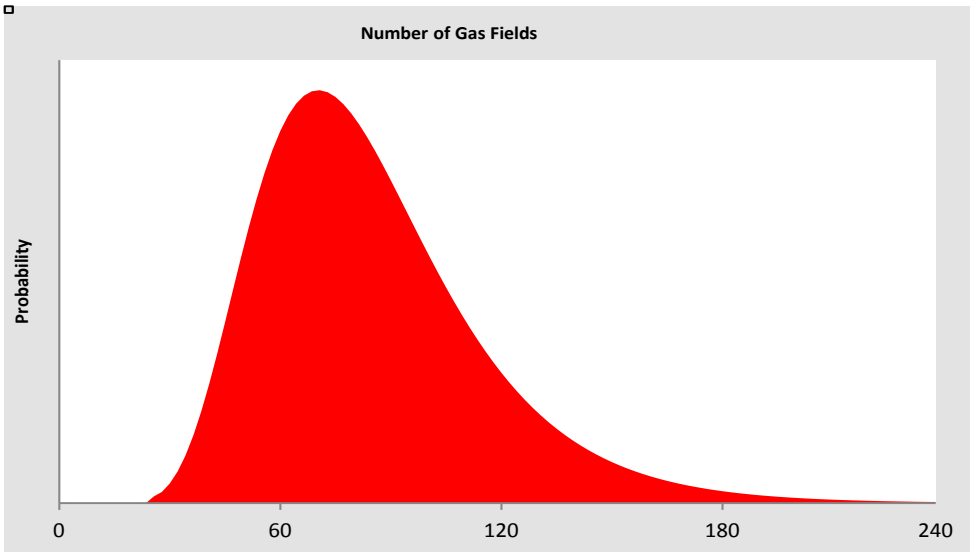
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	15.76	15.76
Median	15.00	14.99
Mode	---	---
Standard Deviation	4.97	4.96
Variance	24.66	24.64
Skewness	0.9133	0.9368
Kurtosis	4.16	4.24
Coefficient of Variability	0.3151	0.3149
Minimum	4.78	1.00
Maximum	39.84	40.00
Range Width	35.06	39.00
Mean Standard Error	0.02	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.78	1.00
95%	9.06	9.11
90%	10.14	10.15
85%	10.91	10.93
80%	11.58	11.59
75%	12.17	12.19
70%	12.75	12.76
65%	13.30	13.32
60%	13.85	13.87
55%	14.42	14.42
50%	15.00	14.99
45%	15.59	15.59
40%	16.22	16.22
35%	16.93	16.90
30%	17.66	17.65
25%	18.51	18.49
20%	19.51	19.49
15%	20.76	20.72
10%	22.38	22.38
5%	25.10	25.08
0%	39.84	40.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	84.24	85.24
Standard Deviation	31.17	31.17
Selected range is from -Infinity to 239.00		1.00 to 240.00



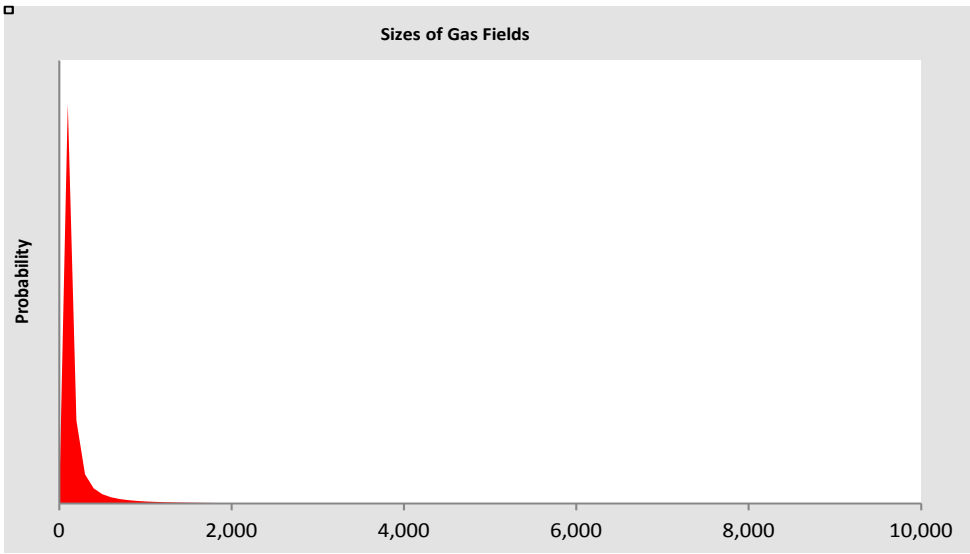
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	85.10	85.05
Median	79.78	79.96
Mode	---	---
Standard Deviation	30.80	30.65
Variance	948.69	939.25
Skewness	1.03	1.02
Kurtosis	4.50	4.48
Coefficient of Variability	0.3620	0.3603
Minimum	18.51	1.00
Maximum	239.06	240.00
Range Width	220.54	239.00
Mean Standard Error	0.14	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	18.51	1.00
95%	44.69	44.82
90%	50.78	50.90
85%	55.52	55.48
80%	59.40	59.42
75%	63.03	63.02
70%	66.51	66.45
65%	69.82	69.79
60%	73.04	73.12
55%	76.39	76.49
50%	79.78	79.96
45%	83.55	83.60
40%	87.39	87.46
35%	91.61	91.64
30%	96.38	96.26
25%	101.57	101.51
20%	107.85	107.69
15%	115.47	115.37
10%	126.14	125.80
5%	143.27	142.95
0%	239.06	240.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	201.21	231.21
Standard Deviation	942.67	942.67
Selected range is from -Infinity to 9,970.00		30.00 to 10,000.00



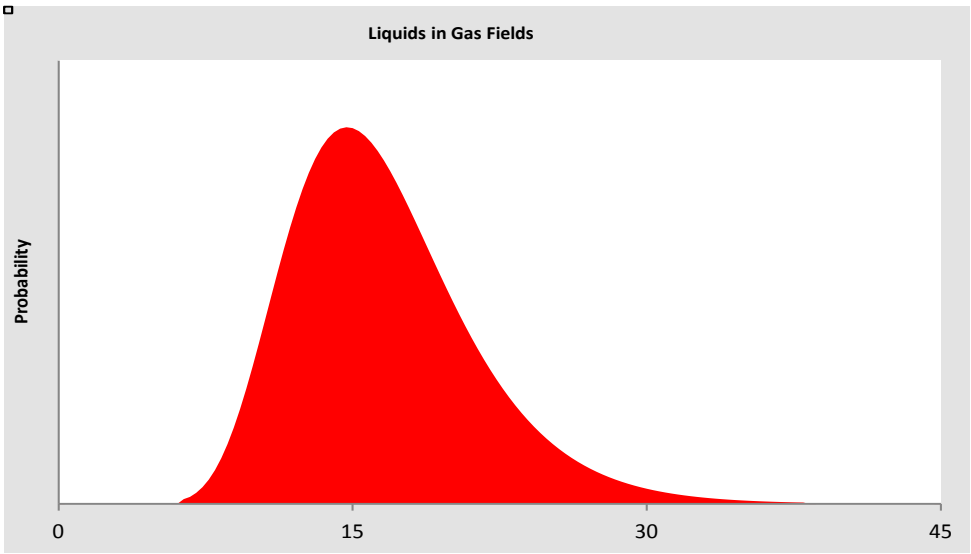
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	213.27	214.87
Median	71.65	71.91
Mode	---	---
Standard Deviation	527.77	519.00
Variance	278,538.21	269,361.78
Skewness	8.34	8.18
Kurtosis	99.58	96.36
Coefficient of Variability	2.47	2.42
Minimum	30.03	30.00
Maximum	9,950.96	10,000.00
Range Width	9,920.92	9,970.00
Mean Standard Error	2.36	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.03	30.00
95%	32.32	32.28
90%	34.35	34.34
85%	36.80	36.70
80%	39.54	39.46
75%	42.82	42.71
70%	46.78	46.57
65%	51.35	51.20
60%	56.88	56.77
55%	63.37	63.56
50%	71.65	71.91
45%	82.29	82.33
40%	95.39	95.59
35%	112.79	112.82
30%	135.50	135.89
25%	168.24	168.02
20%	217.43	215.38
15%	292.84	291.34
10%	429.50	432.27
5%	787.27	789.80
0%	9,950.96	10,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	0.3
Mean	16.34	16.64
Standard Deviation	4.73	4.73
Selected range is from -Infinity to 37.70		0.30 to 38.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	16.59	16.62
Median	15.95	15.99
Mode	---	---
Standard Deviation	4.66	4.67
Variance	21.72	21.76
Skewness	0.7919	0.7911
Kurtosis	3.84	3.85
Coefficient of Variability	0.2809	0.2807
Minimum	5.15	0.30
Maximum	37.98	38.00
Range Width	32.84	37.70
Mean Standard Error	0.02	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.15	0.30
95%	10.13	10.15
90%	11.20	11.22
85%	11.97	12.00
80%	12.63	12.66
75%	13.24	13.26
70%	13.79	13.83
65%	14.33	14.37
60%	14.87	14.91
55%	15.41	15.45
50%	15.95	15.99
45%	16.55	16.56
40%	17.15	17.16
35%	17.79	17.80
30%	18.48	18.51
25%	19.28	19.30
20%	20.22	20.21
15%	21.30	21.34
10%	22.82	22.85
5%	25.18	25.26
0%	37.98	38.00

End of Assumptions

Simulation started on 9/14/2011 at 1:41 PM
Simulation stopped on 9/14/2011 at 1:48 PM