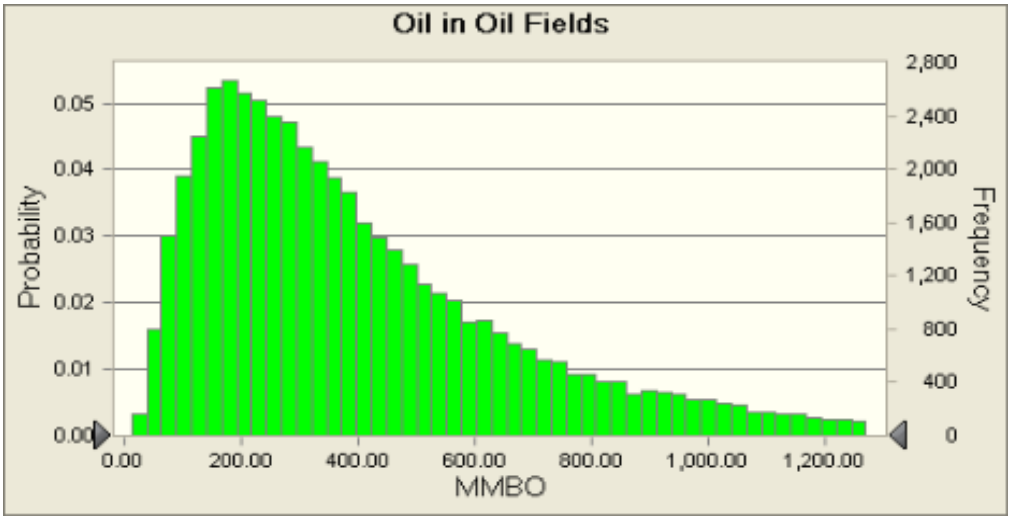
10160103
East and Southeast Margins Subsalt
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 10.69 to 3,166.25
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.37



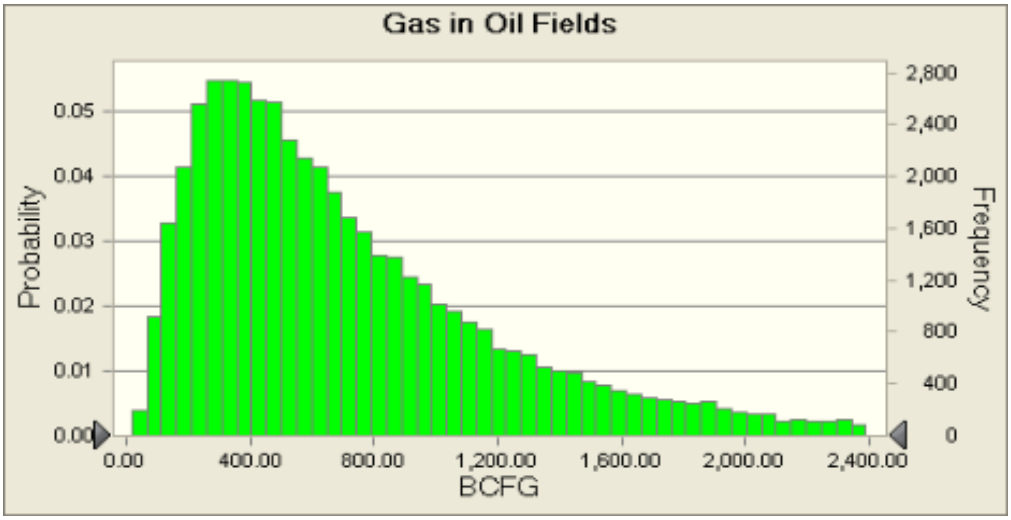
Statistics:	Forecast values
Trials	50,000
Mean	413.87
Median	331.18
Mode	---
Standard Deviation	305.34
Variance	93,234.97
Skewness	1.66
Kurtosis	6.89
Coefficient of Variability	0.7378
Minimum	10.69
Maximum	3,166.25
Range Width	3,155.56
Mean Standard Error	1.37

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	10.69
95%	87.96
90%	120.47
85%	147.66
80%	171.61
75%	195.79
70%	220.79
65%	246.62
60%	273.49
55%	300.92
50%	331.17
45%	363.61
40%	399.15
35%	440.04
30%	487.32
25%	543.28
20%	611.20
15%	698.56
10%	827.28
5%	1,030.70
0%	3,166.25

Forecast: Gas in Oil Fields

Summary:
Entire range is from 15.35 to 6,143.47
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.61



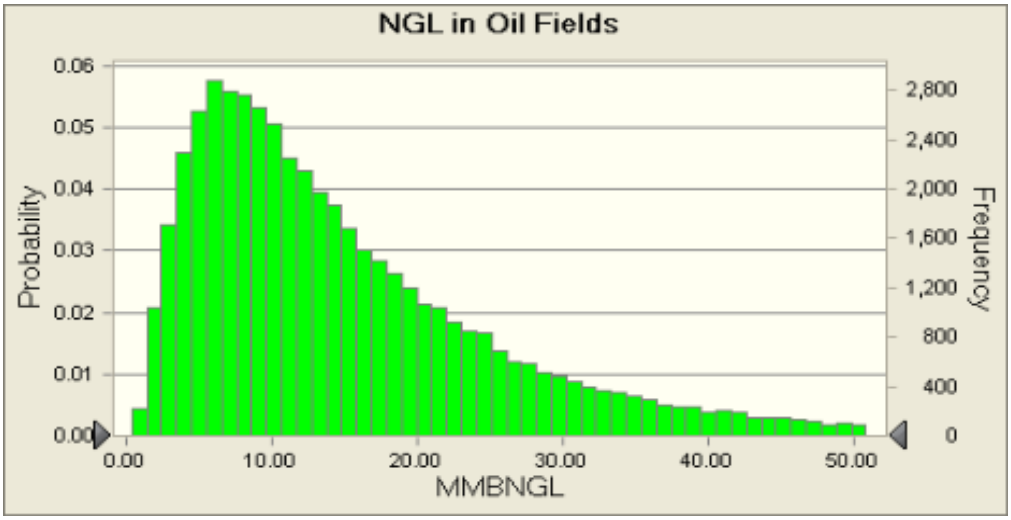
Statistics:	Forecast values
Trials	50,000
Mean	754.55
Median	592.94
Mode	---
Standard Deviation	583.89
Variance	340,923.36
Skewness	1.89
Kurtosis	8.34
Coefficient of Variability	0.7738
Minimum	15.35
Maximum	6,143.47
Range Width	6,128.11
Mean Standard Error	2.61

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	15.35
95%	154.71
90%	213.05
85%	259.99
80%	304.19
75%	348.35
70%	392.93
65%	438.71
60%	485.07
55%	537.31
50%	592.91
45%	651.80
40%	719.15
35%	794.80
30%	883.37
25%	983.54
20%	1,107.29
15%	1,273.15
10%	1,506.22
5%	1,906.91
0%	6,143.47

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.32 to 137.76
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.06



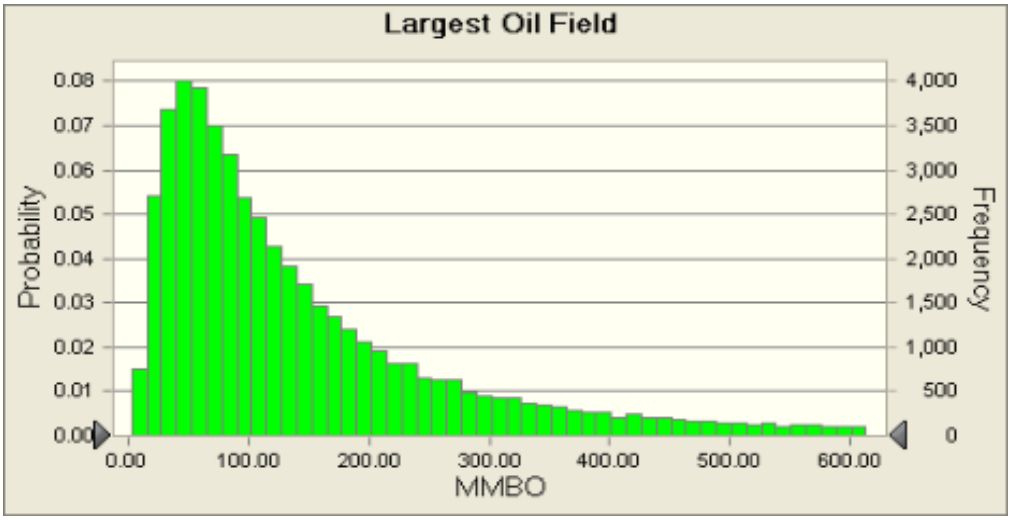
Statistics:	Forecast values
Trials	50,000
Mean	15.75
Median	12.25
Mode	---
Standard Deviation	12.54
Variance	157.24
Skewness	2.04
Kurtosis	9.41
Coefficient of Variability	0.7960
Minimum	0.32
Maximum	137.76
Range Width	137.44
Mean Standard Error	0.06

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.32
95%	3.18
90%	4.34
85%	5.33
80%	6.23
75%	7.14
70%	8.07
65%	9.03
60%	10.01
55%	11.08
50%	12.25
45%	13.53
40%	14.90
35%	16.49
30%	18.33
25%	20.47
20%	23.12
15%	26.47
10%	31.49
5%	40.43
0%	137.76

Forecast: Largest Oil Field

Summary:
Entire range is from 2.19 to 999.52
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.72



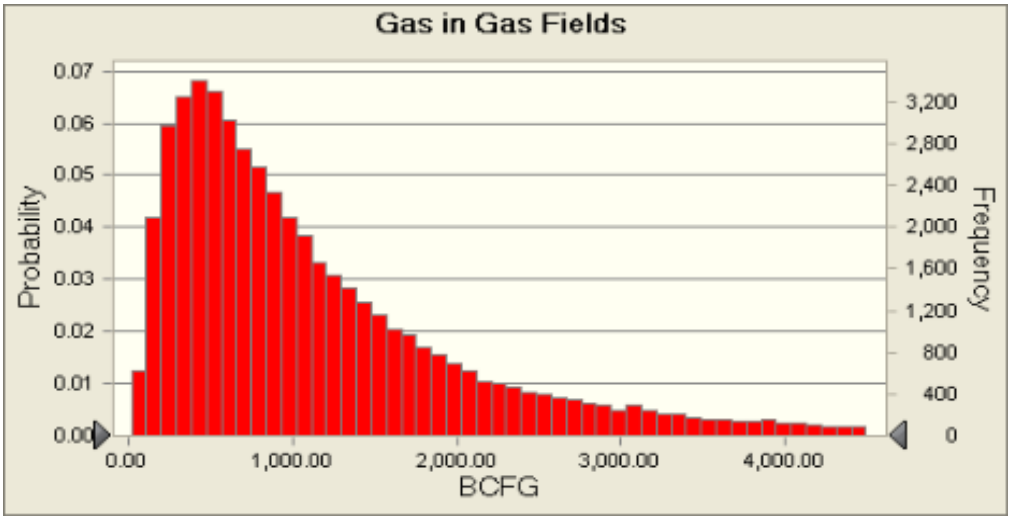
Statistics:	Forecast values
Trials	50,000
Mean	160.07
Median	104.50
Mode	---
Standard Deviation	161.92
Variance	26,219.28
Skewness	2.22
Kurtosis	8.60
Coefficient of Variability	1.01
Minimum	2.19
Maximum	999.52
Range Width	997.33
Mean Standard Error	0.72

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	2.19
95%	23.59
90%	32.79
85%	40.77
80%	48.56
75%	56.24
70%	64.29
65%	73.17
60%	82.21
55%	92.86
50%	104.50
45%	117.63
40%	132.79
35%	150.43
30%	172.00
25%	198.98
20%	233.58
15%	282.22
10%	361.66
5%	512.13
0%	999.52

Forecast: Gas in Gas Fields

Summary:
Entire range is from 20.85 to 12,563.91
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.19



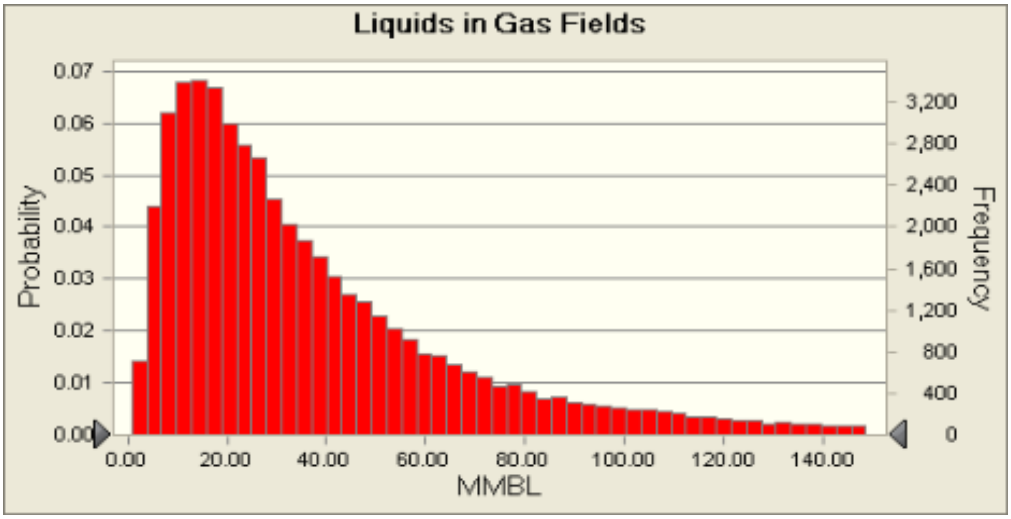
Statistics:	Forecast values
Trials	50,000
Mean	1,242.13
Median	879.00
Mode	---
Standard Deviation	1,160.50
Variance	1,346,759.55
Skewness	2.31
Kurtosis	10.45
Coefficient of Variability	0.9343
Minimum	20.85
Maximum	12,563.91
Range Width	12,543.06
Mean Standard Error	5.19

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	20.85
95%	196.00
90%	274.54
85%	344.95
80%	413.65
75%	481.33
70%	550.54
65%	623.39
60%	702.59
55%	788.18
50%	878.94
45%	983.72
40%	1,099.22
35%	1,236.81
30%	1,391.80
25%	1,578.28
20%	1,817.63
15%	2,144.55
10%	2,670.52
5%	3,606.34
0%	12,563.91

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.75 to 424.96
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.17



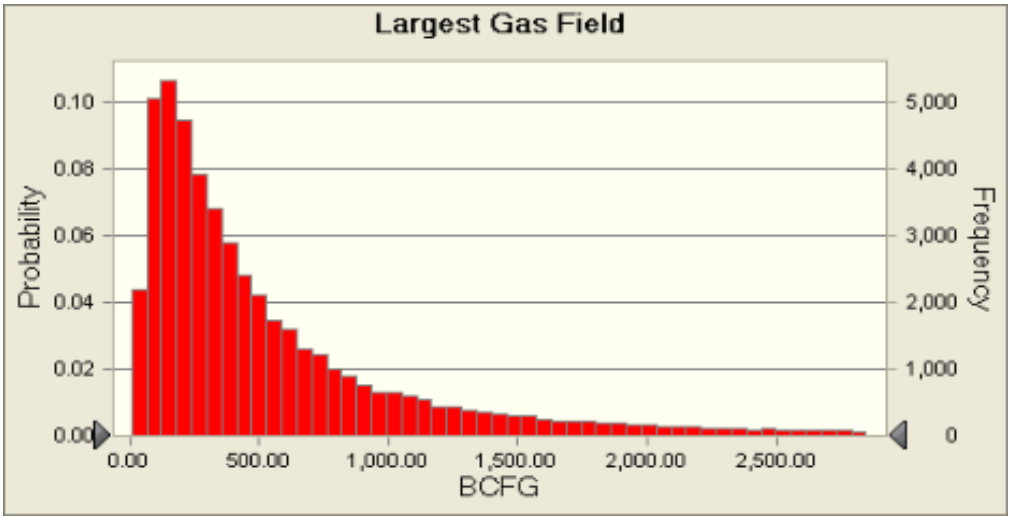
Statistics:	Forecast values
Trials	50,000
Mean	40.57
Median	28.41
Mode	---
Standard Deviation	38.60
Variance	1,489.90
Skewness	2.43
Kurtosis	11.44
Coefficient of Variability	0.9515
Minimum	0.75
Maximum	424.96
Range Width	424.21
Mean Standard Error	0.17

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.75
95%	6.34
90%	8.91
85%	11.16
80%	13.36
75%	15.58
70%	17.78
65%	20.19
60%	22.81
55%	25.51
50%	28.41
45%	31.88
40%	35.66
35%	40.09
30%	45.28
25%	51.36
20%	59.29
15%	70.15
10%	87.05
5%	117.69
0%	424.96

Forecast: Largest Gas Field

Summary:
Entire range is from 6.99 to 5,999.78
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 3.53



Statistics:	Forecast values
Trials	50,000
Mean	633.28
Median	360.22
Mode	---
Standard Deviation	790.29
Variance	624,563.60
Skewness	2.99
Kurtosis	14.11
Coefficient of Variability	1.25
Minimum	6.99
Maximum	5,999.78
Range Width	5,992.79
Mean Standard Error	3.53

Forecast: Largest Gas Field (continued)

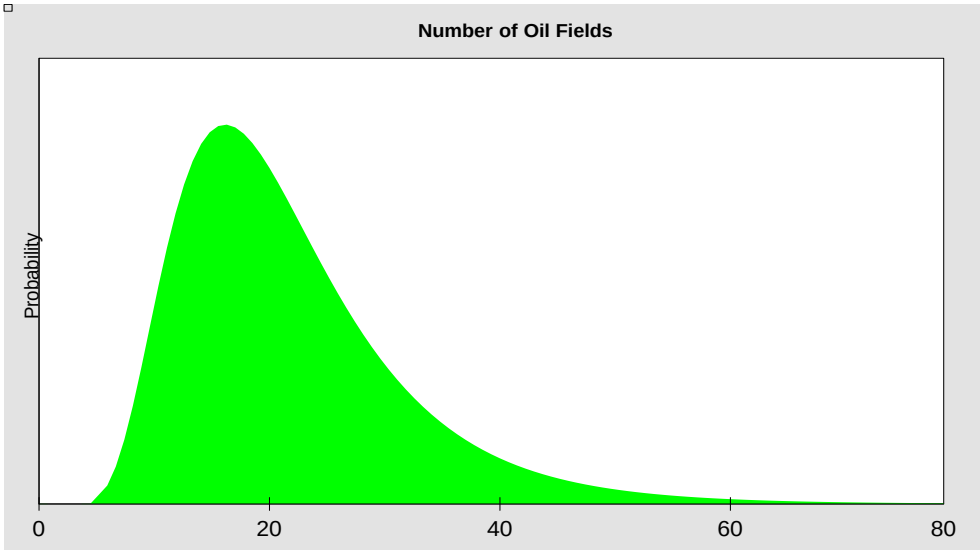
Percentiles:	BCFG
100%	6.99
95%	68.35
90%	98.55
85%	125.32
80%	152.37
75%	179.82
70%	209.28
65%	240.85
60%	276.60
55%	315.97
50%	360.21
45%	410.56
40%	470.89
35%	541.95
30%	627.53
25%	738.31
20%	888.87
15%	1,108.52
10%	1,467.14
5%	2,197.85
0%	5,999.78

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	21.13	22.13
Standard Deviation	10.29	10.29
Selected range is from -Infinity to 79.00		1.00 to 80.00



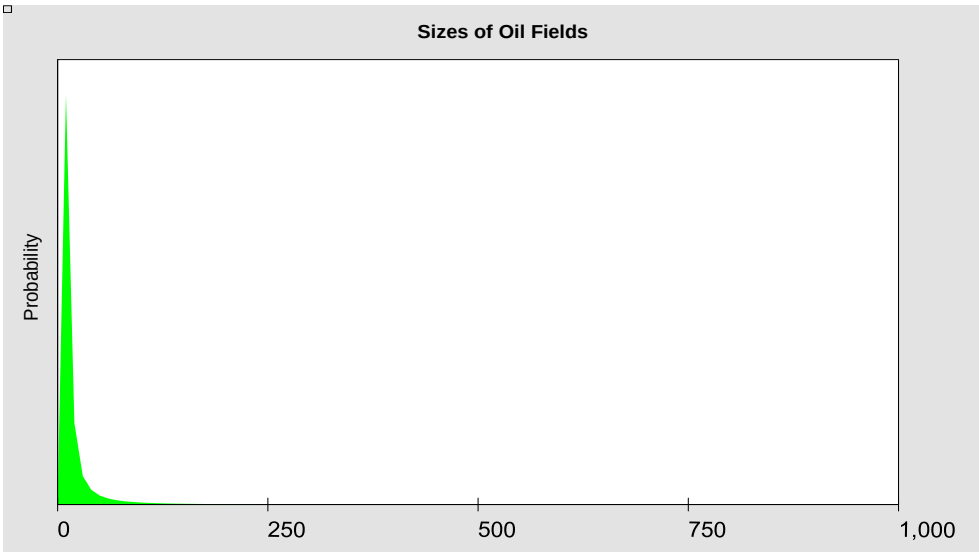
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	22.02	22.06
Median	19.97	19.99
Mode	---	---
Standard Deviation	10.05	10.05
Variance	100.98	100.97
Skewness	1.37	1.35
Kurtosis	5.81	5.69
Coefficient of Variability	0.4563	0.4555
Minimum	3.85	1.00
Maximum	80.00	80.00
Range Width	76.14	79.00
Mean Standard Error	0.04	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	3.85	1.00
95%	9.83	9.90
90%	11.48	11.52
85%	12.73	12.78
80%	13.85	13.88
75%	14.91	14.92
70%	15.91	15.91
65%	16.90	16.90
60%	17.91	17.90
55%	18.92	18.92
50%	19.97	19.99
45%	21.07	21.12
40%	22.28	22.34
35%	23.63	23.68
30%	25.13	25.18
25%	26.82	26.90
20%	28.92	28.97
15%	31.50	31.59
10%	35.11	35.23
5%	41.26	41.40
0%	80.00	80.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	19.73	20.73
Standard Deviation	95.31	95.31
Selected range is from -Infinity to 999.00		1.00 to 1,000.00



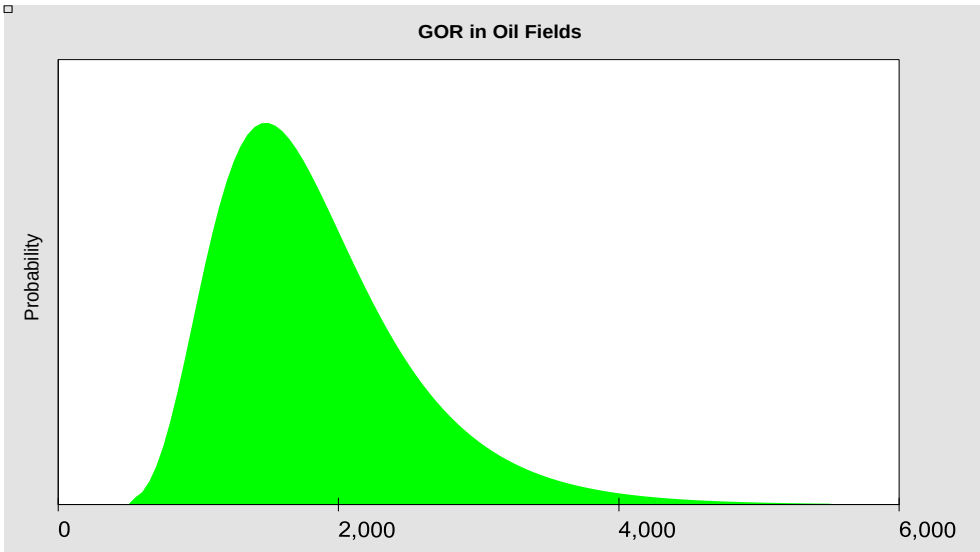
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	18.56	19.09
Median	4.95	4.99
Mode	---	---
Standard Deviation	50.57	51.53
Variance	2,557.34	2,655.80
Skewness	8.29	8.30
Kurtosis	99.78	98.76
Coefficient of Variability	2.73	2.70
Minimum	1.00	1.00
Maximum	992.70	1,000.00
Range Width	991.69	999.00
Mean Standard Error	0.23	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.00	1.00
95%	1.21	1.21
90%	1.41	1.40
85%	1.63	1.63
80%	1.89	1.89
75%	2.20	2.20
70%	2.56	2.56
65%	3.00	3.01
60%	3.52	3.54
55%	4.15	4.19
50%	4.95	4.99
45%	5.89	5.99
40%	7.13	7.27
35%	8.72	8.94
30%	10.93	11.17
25%	14.03	14.29
20%	18.54	18.90
15%	25.74	26.32
10%	39.68	40.12
5%	75.18	75.33
0%	992.70	1,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1,728.90	1,828.90
Standard Deviation	707.83	707.83
Selected range is from -Infinity to 5,400.00		100.00 to 5,500.00



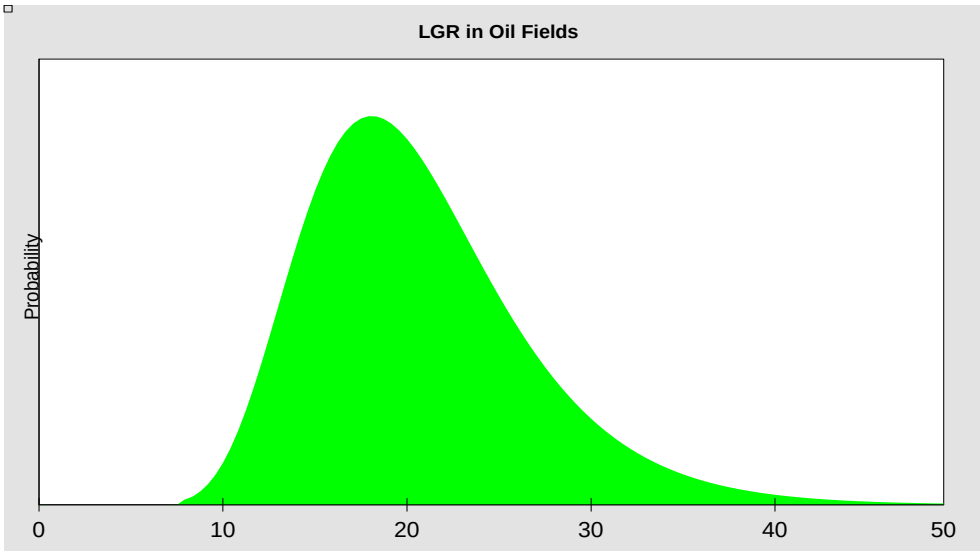
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,831.17	1,824.56
Median	1,705.87	1,699.21
Mode	---	---
Standard Deviation	697.18	694.49
Variance	486,059.65	482,320.92
Skewness	1.13	1.13
Kurtosis	4.82	4.85
Coefficient of Variability	0.3807	0.3806
Minimum	375.74	100.00
Maximum	5,492.34	5,500.00
Range Width	5,116.60	5,400.00
Mean Standard Error	3.12	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	375.74	100.00
95%	941.36	937.20
90%	1,070.58	1,065.88
85%	1,166.43	1,163.70
80%	1,252.70	1,248.45
75%	1,330.92	1,326.52
70%	1,404.92	1,401.13
65%	1,477.90	1,474.30
60%	1,551.49	1,547.54
55%	1,627.52	1,622.10
50%	1,705.86	1,699.21
45%	1,786.10	1,780.22
40%	1,872.65	1,866.72
35%	1,967.33	1,960.78
30%	2,075.17	2,065.30
25%	2,192.49	2,184.63
20%	2,329.63	2,325.96
15%	2,510.91	2,502.64
10%	2,755.22	2,744.49
5%	3,161.21	3,146.24
0%	5,492.34	5,500.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	19.91	20.91
Standard Deviation	6.25	6.25
Selected range is from -Infinity to 49.00		1.00 to 50.00



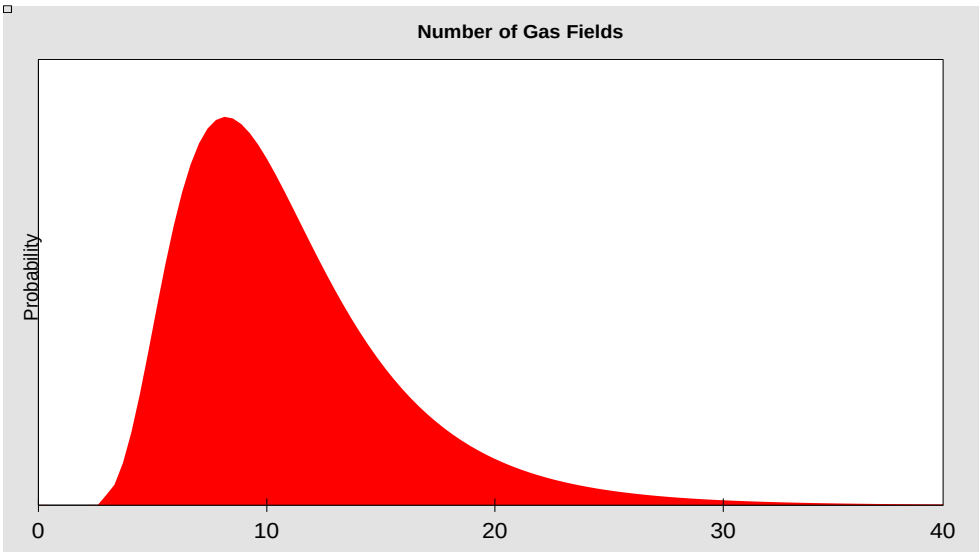
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.95	20.88
Median	20.05	19.99
Mode	---	---
Standard Deviation	6.18	6.16
Variance	38.13	37.98
Skewness	0.8436	0.8607
Kurtosis	3.97	4.03
Coefficient of Variability	0.2948	0.2951
Minimum	5.99	1.00
Maximum	49.77	50.00
Range Width	43.78	49.00
Mean Standard Error	0.03	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.99	1.00
95%	12.45	12.47
90%	13.88	13.82
85%	14.90	14.82
80%	15.73	15.68
75%	16.50	16.45
70%	17.24	17.17
65%	17.95	17.88
60%	18.64	18.57
55%	19.34	19.28
50%	20.05	19.99
45%	20.78	20.74
40%	21.60	21.52
35%	22.45	22.37
30%	23.37	23.30
25%	24.44	24.35
20%	25.68	25.57
15%	27.22	27.08
10%	29.24	29.10
5%	32.45	32.37
0%	49.77	50.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	10.07	11.07
Standard Deviation	5.06	5.06
Selected range is from -Infinity to 39.00		1.00 to 40.00



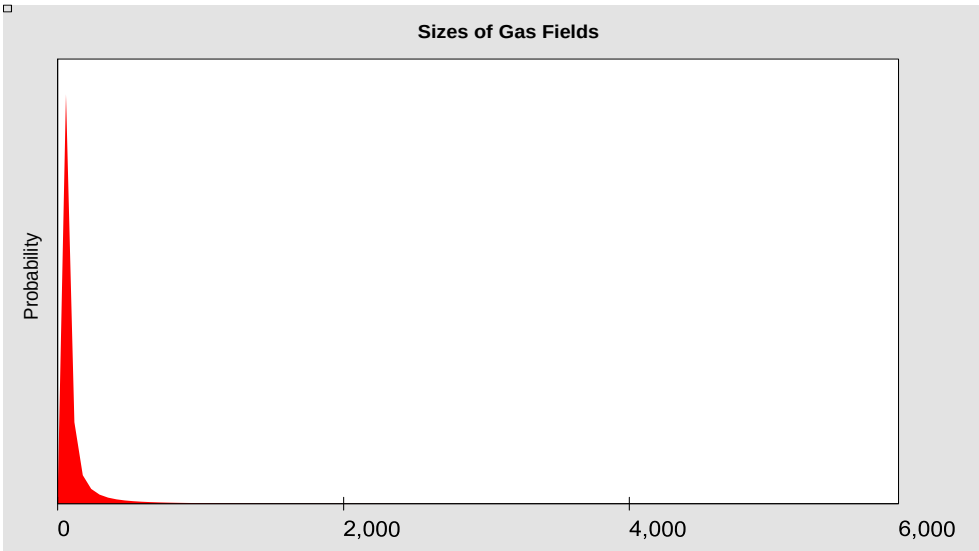
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	11.01	11.04
Median	9.99	9.99
Mode	---	---
Standard Deviation	4.93	4.94
Variance	24.34	24.40
Skewness	1.42	1.39
Kurtosis	6.00	5.88
Coefficient of Variability	0.4480	0.4475
Minimum	2.03	1.00
Maximum	39.81	40.00
Range Width	37.78	39.00
Mean Standard Error	0.02	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	2.03	1.00
95%	5.12	5.12
90%	5.91	5.90
85%	6.51	6.50
80%	7.01	7.03
75%	7.53	7.53
70%	8.00	8.01
65%	8.50	8.49
60%	8.97	8.98
55%	9.47	9.47
50%	9.99	9.99
45%	10.54	10.55
40%	11.12	11.14
35%	11.75	11.80
30%	12.45	12.53
25%	13.29	13.38
20%	14.30	14.40
15%	15.63	15.69
10%	17.43	17.49
5%	20.57	20.56
0%	39.81	40.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	118.39	124.39
Standard Deviation	571.84	571.84
Selected range is from -Infinity to 5,994.00		6.00 to 6,000.00



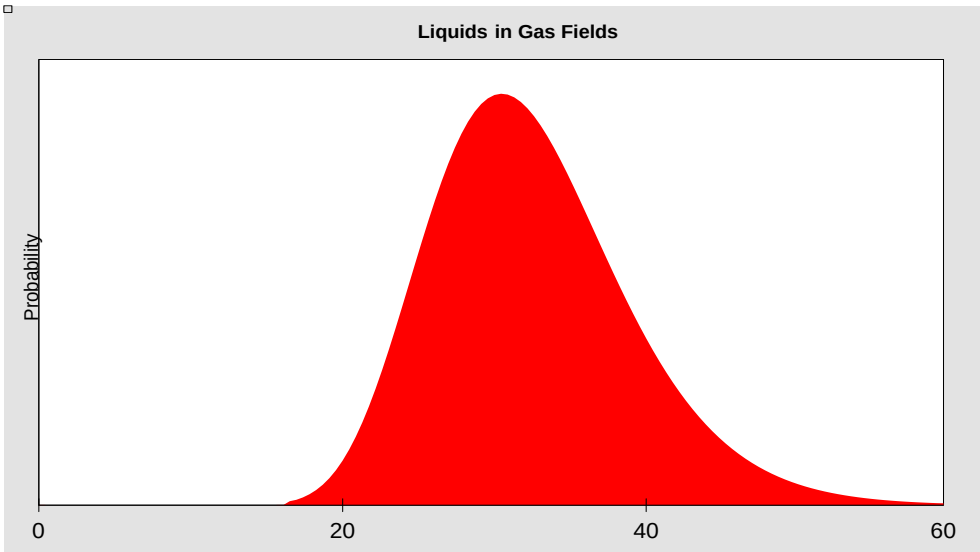
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	113.66	114.56
Median	30.33	29.95
Mode	---	---
Standard Deviation	304.26	309.21
Variance	92,571.78	95,608.90
Skewness	7.82	8.30
Kurtosis	87.35	98.76
Coefficient of Variability	2.68	2.70
Minimum	6.01	6.00
Maximum	5,720.51	6,000.00
Range Width	5,714.50	5,994.00
Mean Standard Error	1.36	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.01	6.00
95%	7.29	7.27
90%	8.43	8.43
85%	9.80	9.76
80%	11.37	11.33
75%	13.28	13.18
70%	15.43	15.39
65%	18.03	18.04
60%	21.20	21.23
55%	25.08	25.14
50%	30.32	29.95
45%	36.35	35.97
40%	44.15	43.63
35%	54.68	53.62
30%	68.04	67.03
25%	87.30	85.75
20%	115.01	113.40
15%	159.02	157.90
10%	243.24	240.74
5%	457.20	452.01
0%	5,720.51	6,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	31.68	32.68
Standard Deviation	6.67	6.67
Selected range is from -Infinity to 59.00		1.00 to 60.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	32.67	32.65
Median	32.01	31.99
Mode	---	---
Standard Deviation	6.57	6.60
Variance	43.13	43.57
Skewness	0.5663	0.5688
Kurtosis	3.38	3.39
Coefficient of Variability	0.2010	0.2022
Minimum	14.13	1.00
Maximum	59.94	60.00
Range Width	45.81	59.00
Mean Standard Error	0.03	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	14.13	1.00
95%	23.08	23.01
90%	24.78	24.74
85%	26.03	25.98
80%	27.05	27.01
75%	27.96	27.93
70%	28.81	28.79
65%	29.65	29.60
60%	30.46	30.40
55%	31.25	31.19
50%	32.01	31.99
45%	32.83	32.81
40%	33.69	33.67
35%	34.58	34.58
30%	35.55	35.56
25%	36.65	36.66
20%	37.91	37.92
15%	39.41	39.44
10%	41.43	41.44
5%	44.53	44.58
0%	59.94	60.00

End of Assumptions

Simulation started on 11/13/2009 at 10:42:39
Simulation stopped on 11/13/2009 at 10:57:36