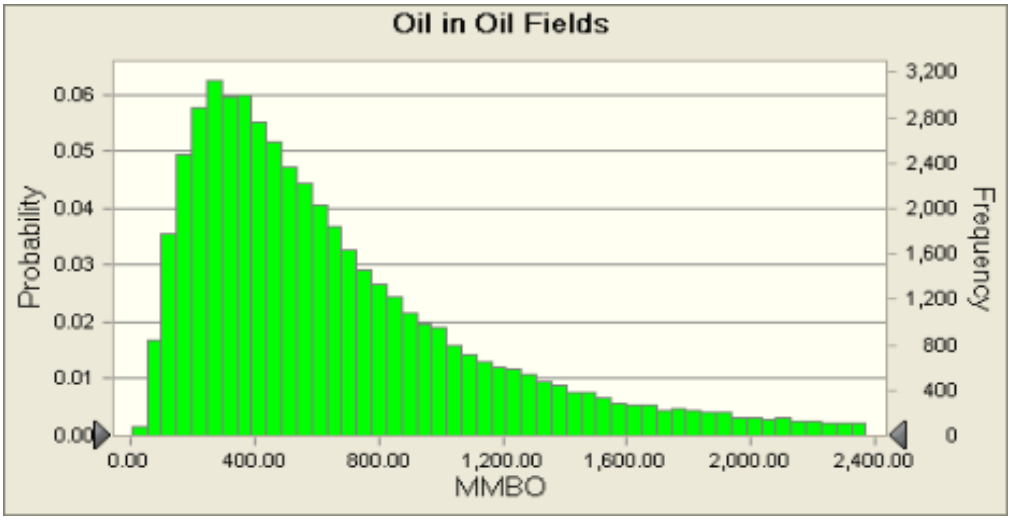
60340102
Late Cretaceous-Tertiary Slide Blocks and Turbidites
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 4.57 to 5,501.29
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.64



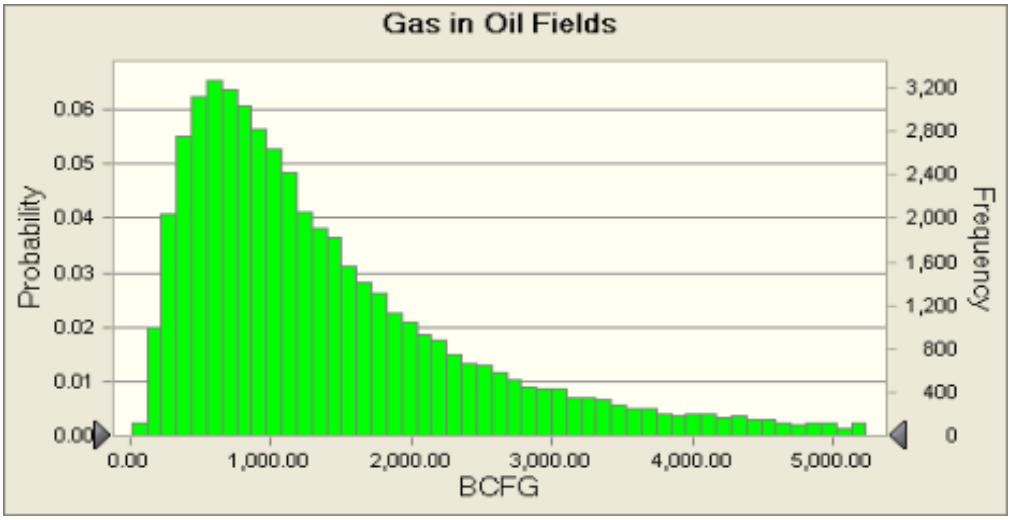
Statistics:	Forecast values
Trials	50,000
Mean	714.46
Median	537.38
Mode	---
Standard Deviation	591.27
Variance	349,595.42
Skewness	2.02
Kurtosis	8.55
Coefficient of Variability	0.8276
Minimum	4.57
Maximum	5,501.29
Range Width	5,496.72
Mean Standard Error	2.64

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	4.57
95%	145.51
90%	194.02
85%	236.57
80%	275.71
75%	315.04
70%	355.60
65%	395.98
60%	439.72
55%	486.48
50%	537.37
45%	591.84
40%	653.46
35%	723.58
30%	808.79
25%	910.48
20%	1,036.05
15%	1,216.35
10%	1,472.10
5%	1,936.50
0%	5,501.29

Forecast: Gas in Oil Fields

Summary:
Entire range is from 9.75 to 15,877.98
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.93



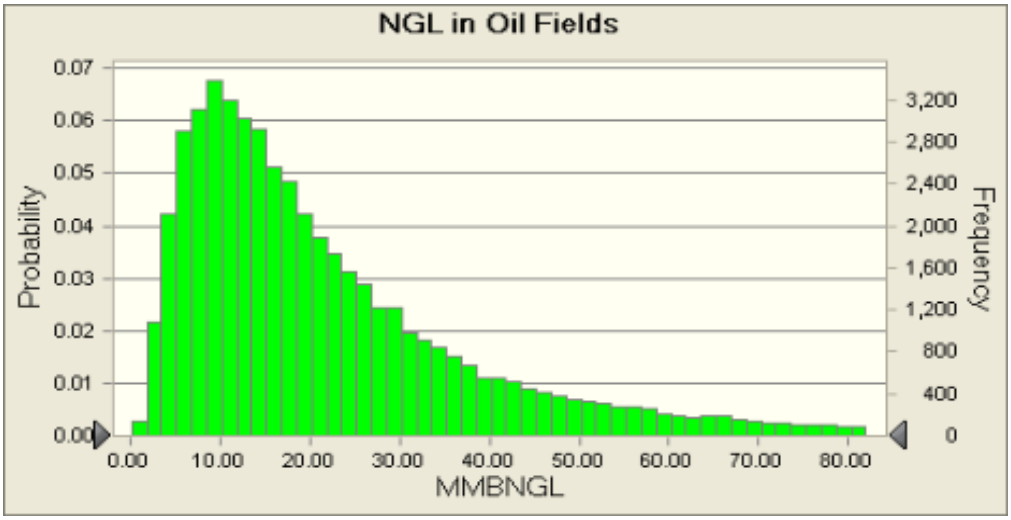
Statistics:	Forecast values
Trials	50,000
Mean	1,521.74
Median	1,121.28
Mode	---
Standard Deviation	1,326.28
Variance	1,759,029.39
Skewness	2.37
Kurtosis	11.35
Coefficient of Variability	0.8716
Minimum	9.75
Maximum	15,877.98
Range Width	15,868.22
Mean Standard Error	5.93

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	9.75
95%	299.94
90%	402.34
85%	492.18
80%	573.52
75%	656.68
70%	738.80
65%	827.97
60%	916.91
55%	1,015.62
50%	1,121.28
45%	1,237.71
40%	1,374.63
35%	1,523.11
30%	1,702.97
25%	1,918.66
20%	2,193.77
15%	2,568.75
10%	3,134.58
5%	4,178.82
0%	15,877.98

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.13 to 243.50
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.09



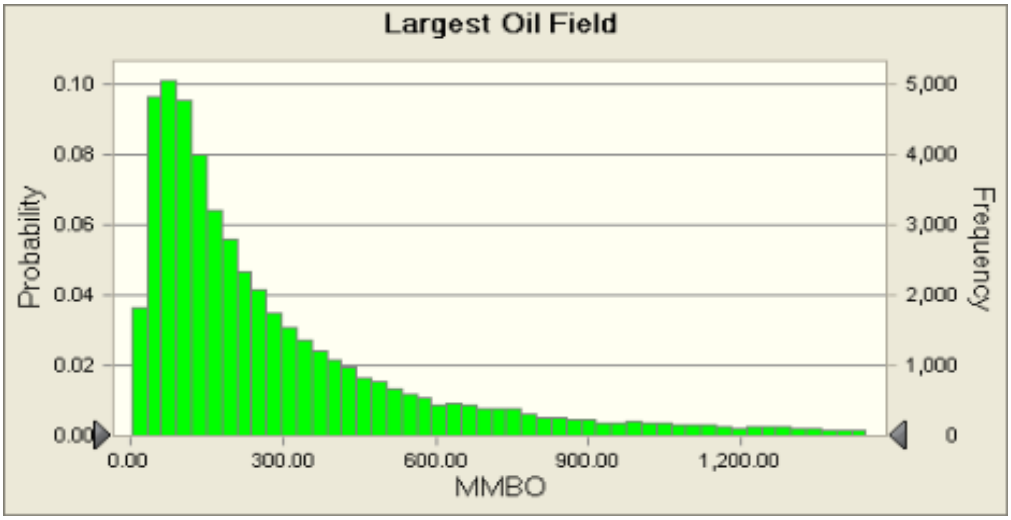
Statistics:	Forecast values
Trials	50,000
Mean	23.49
Median	17.23
Mode	---
Standard Deviation	20.88
Variance	435.96
Skewness	2.52
Kurtosis	12.78
Coefficient of Variability	0.8888
Minimum	0.13
Maximum	243.50
Range Width	243.37
Mean Standard Error	0.09

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.13
95%	4.57
90%	6.14
85%	7.51
80%	8.81
75%	10.03
70%	11.34
65%	12.68
60%	14.10
55%	15.56
50%	17.23
45%	19.01
40%	21.06
35%	23.43
30%	26.15
25%	29.48
20%	33.73
15%	39.52
10%	48.49
5%	64.71
0%	243.50

Forecast: Largest Oil Field

Summary:
Entire range is from 2.99 to 2,498.34
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.77



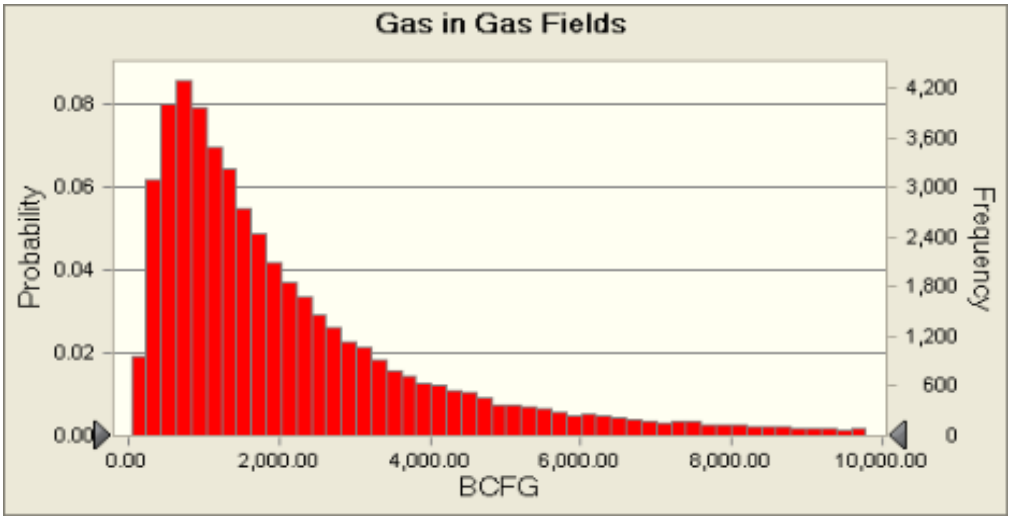
Statistics:	Forecast values
Trials	50,000
Mean	337.14
Median	192.88
Mode	---
Standard Deviation	395.63
Variance	156,522.65
Skewness	2.49
Kurtosis	10.05
Coefficient of Variability	1.17
Minimum	2.99
Maximum	2,498.34
Range Width	2,495.35
Mean Standard Error	1.77

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	2.99
95%	37.29
90%	52.73
85%	66.90
80%	81.06
75%	96.08
70%	111.60
65%	128.73
60%	146.64
55%	168.42
50%	192.87
45%	221.99
40%	255.19
35%	295.75
30%	345.33
25%	407.46
20%	488.20
15%	615.02
10%	802.30
5%	1,183.48
0%	2,498.34

Forecast: Gas in Gas Fields

Summary:
Entire range is from 35.52 to 30,985.61
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.73



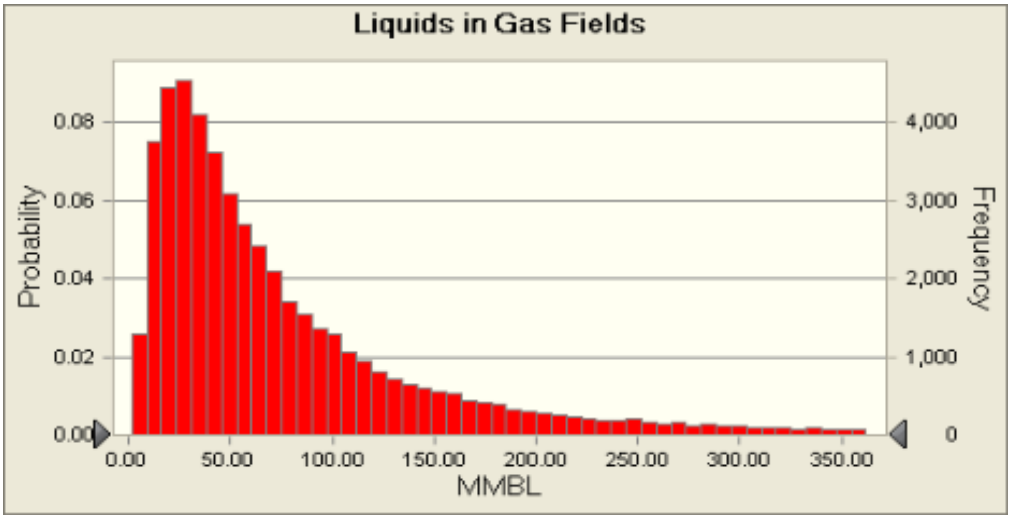
Statistics:	Forecast values
Trials	50,000
Mean	2,438.91
Median	1,567.68
Mode	---
Standard Deviation	2,623.75
Variance	6,884,039.27
Skewness	2.75
Kurtosis	13.29
Coefficient of Variability	1.08
Minimum	35.52
Maximum	30,985.61
Range Width	30,950.09
Mean Standard Error	11.73

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	35.52
95%	343.25
90%	484.07
85%	604.00
80%	723.40
75%	838.67
70%	961.43
65%	1,094.06
60%	1,241.97
55%	1,395.12
50%	1,567.66
45%	1,765.54
40%	1,998.69
35%	2,265.84
30%	2,582.68
25%	2,976.49
20%	3,486.92
15%	4,234.98
10%	5,397.20
5%	7,676.74
0%	30,985.61

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 1.25 to 1,387.49
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.44



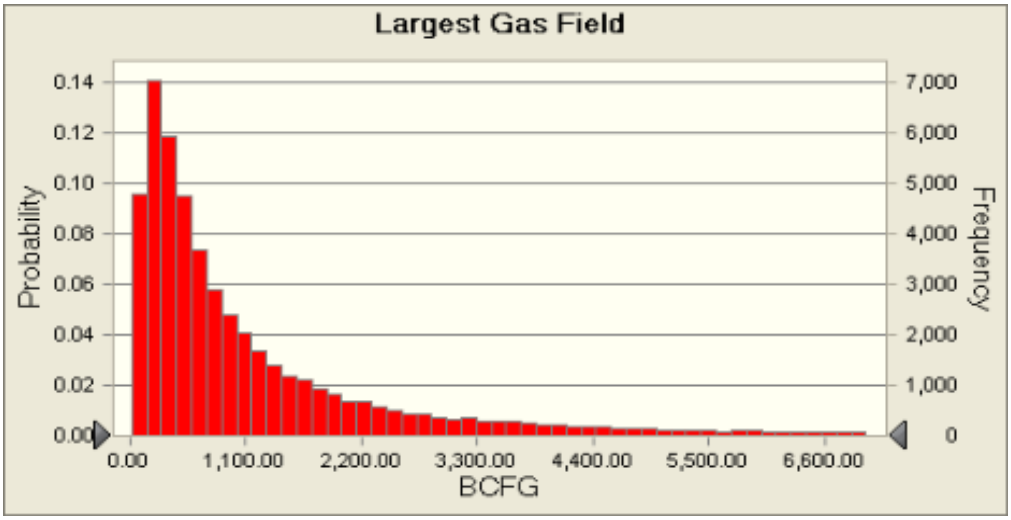
Statistics:	Forecast values
Trials	50,000
Mean	85.13
Median	53.37
Mode	---
Standard Deviation	98.87
Variance	9,775.19
Skewness	3.50
Kurtosis	22.18
Coefficient of Variability	1.16
Minimum	1.25
Maximum	1,387.49
Range Width	1,386.24
Mean Standard Error	0.44

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	1.25
95%	11.28
90%	15.94
85%	20.16
80%	24.18
75%	28.24
70%	32.46
65%	36.96
60%	41.91
55%	47.26
50%	53.36
45%	60.20
40%	67.86
35%	77.06
30%	88.48
25%	102.33
20%	120.35
15%	146.82
10%	186.57
5%	269.97
0%	1,387.49

Forecast: Largest Gas Field

Summary:
Entire range is from 12.63 to 14,997.31
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 8.94



Statistics:	Forecast values
Trials	50,000
Mean	1,394.24
Median	676.92
Mode	---
Standard Deviation	1,998.13
Variance	3,992,521.51
Skewness	3.23
Kurtosis	15.66
Coefficient of Variability	1.43
Minimum	12.63
Maximum	14,997.31
Range Width	14,984.68
Mean Standard Error	8.94

Forecast: Largest Gas Field (continued)

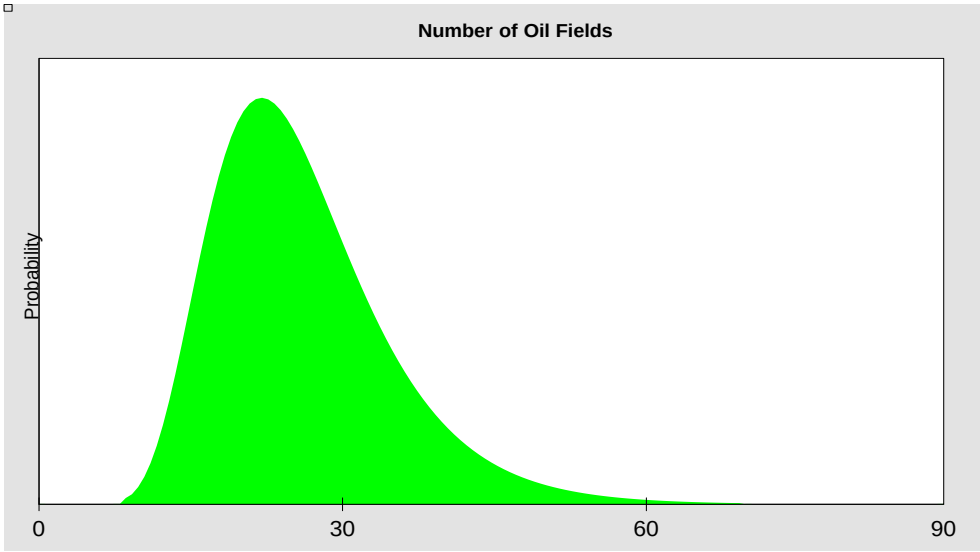
Percentiles:	BCFG
100%	12.63
95%	108.29
90%	159.66
85%	209.10
80%	259.09
75%	313.17
70%	372.08
65%	434.79
60%	504.00
55%	583.49
50%	676.89
45%	789.49
40%	922.76
35%	1,082.19
30%	1,286.46
25%	1,554.25
20%	1,915.71
15%	2,459.02
10%	3,380.70
5%	5,344.39
0%	14,997.31

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	25.44	26.44
Standard Deviation	8.96	8.96
Selected range is from -Infinity to 69.00		1.00 to 70.00



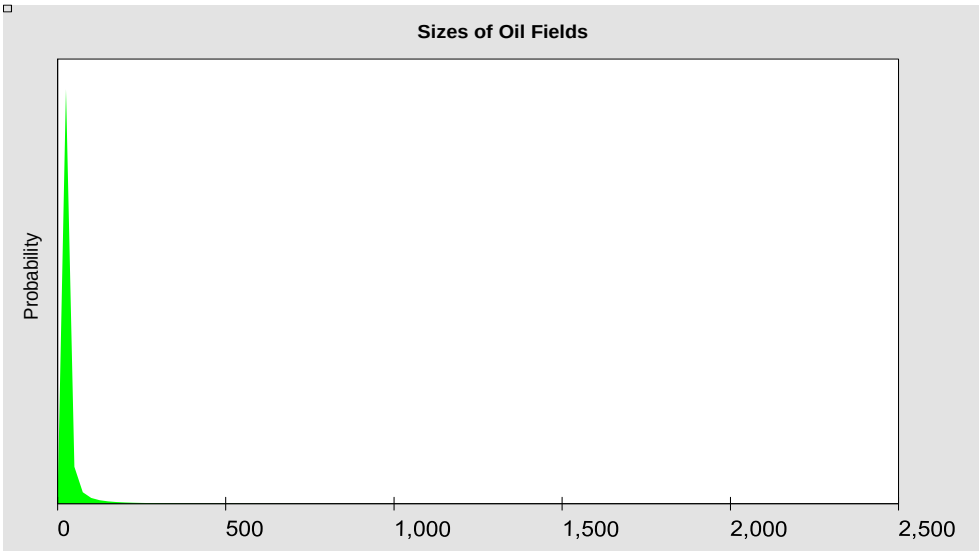
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.32	26.39
Median	24.85	24.99
Mode	---	---
Standard Deviation	8.81	8.81
Variance	77.68	77.66
Skewness	0.9947	0.9682
Kurtosis	4.39	4.33
Coefficient of Variability	0.3349	0.3339
Minimum	6.36	1.00
Maximum	69.88	70.00
Range Width	63.53	69.00
Mean Standard Error	0.04	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.36	1.00
95%	14.72	14.68
90%	16.48	16.48
85%	17.82	17.84
80%	18.96	19.00
75%	20.00	20.05
70%	20.97	21.06
65%	21.93	22.03
60%	22.89	23.00
55%	23.86	23.98
50%	24.85	24.99
45%	25.89	26.04
40%	27.04	27.16
35%	28.26	28.36
30%	29.59	29.69
25%	31.08	31.20
20%	32.86	32.97
15%	35.06	35.16
10%	37.93	38.13
5%	43.11	42.98
0%	69.88	70.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	32.04	33.04
Standard Deviation	340.65	340.65
Selected range is from -Infinity to 2,499.00		1.00 to 2,500.00



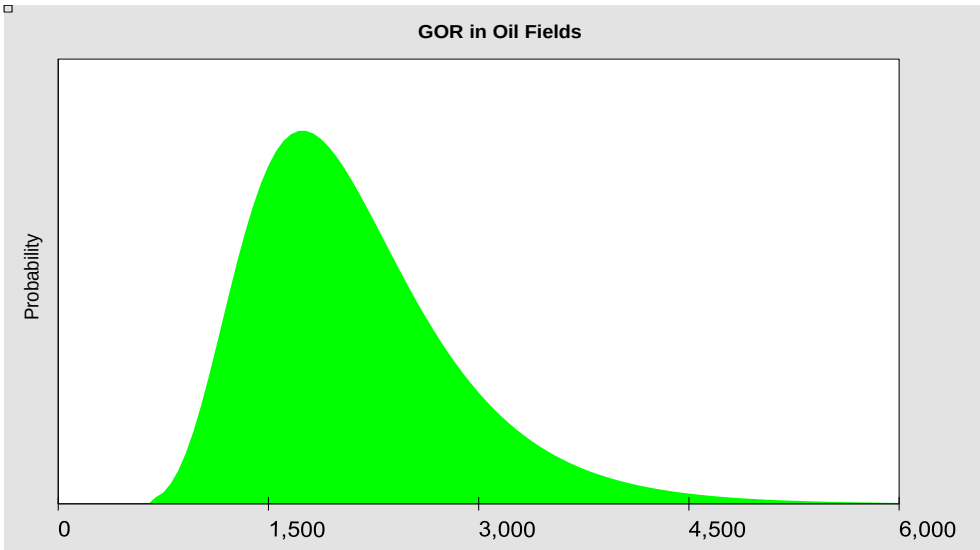
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.27	28.82
Median	3.97	3.99
Mode	---	---
Standard Deviation	102.44	106.51
Variance	10,494.85	11,344.93
Skewness	11.30	10.98
Kurtosis	177.22	164.52
Coefficient of Variability	3.90	3.70
Minimum	1.00	1.00
Maximum	2,466.05	2,500.00
Range Width	2,465.05	2,499.00
Mean Standard Error	0.46	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.00	1.00
95%	1.08	1.08
90%	1.18	1.18
85%	1.31	1.31
80%	1.48	1.48
75%	1.68	1.69
70%	1.94	1.96
65%	2.28	2.29
60%	2.71	2.72
55%	3.25	3.28
50%	3.97	3.99
45%	4.87	4.93
40%	6.10	6.19
35%	7.80	7.91
30%	10.21	10.35
25%	13.74	13.95
20%	19.30	19.62
15%	28.74	29.40
10%	47.50	49.26
5%	102.92	106.48
0%	2,466.05	2,500.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1,933.79	2,133.79
Standard Deviation	759.30	759.3
Selected range is from -Infinity to 5,800.00		200.00 to 6,000.00



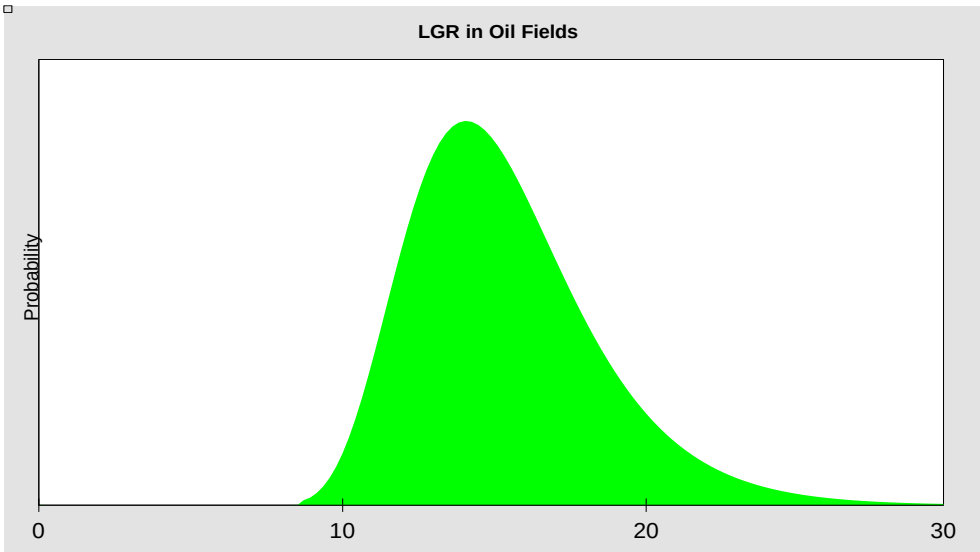
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2,129.72	2,129.24
Median	1,997.62	1,999.15
Mode	---	---
Standard Deviation	744.59	745.65
Variance	554,411.38	555,997.43
Skewness	1.09	1.08
Kurtosis	4.75	4.69
Coefficient of Variability	0.3496	0.3502
Minimum	593.10	200.00
Maximum	5,993.13	6,000.00
Range Width	5,400.03	5,800.00
Mean Standard Error	3.33	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	593.10	200.00
95%	1,164.42	1,165.37
90%	1,310.72	1,307.71
85%	1,416.72	1,415.41
80%	1,509.70	1,508.43
75%	1,593.86	1,593.87
70%	1,673.85	1,675.34
65%	1,754.12	1,755.07
60%	1,831.54	1,834.70
55%	1,913.47	1,915.62
50%	1,997.61	1,999.15
45%	2,089.69	2,086.73
40%	2,184.88	2,180.07
35%	2,284.21	2,281.38
30%	2,398.78	2,393.71
25%	2,527.34	2,521.70
20%	2,677.40	2,672.91
15%	2,861.16	2,861.44
10%	3,114.63	3,118.67
5%	3,530.80	3,544.00
0%	5,993.13	6,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	10.45	15.45
Standard Deviation	3.17	3.17
Selected range is from -Infinity to 25.00		5.00 to 30.00



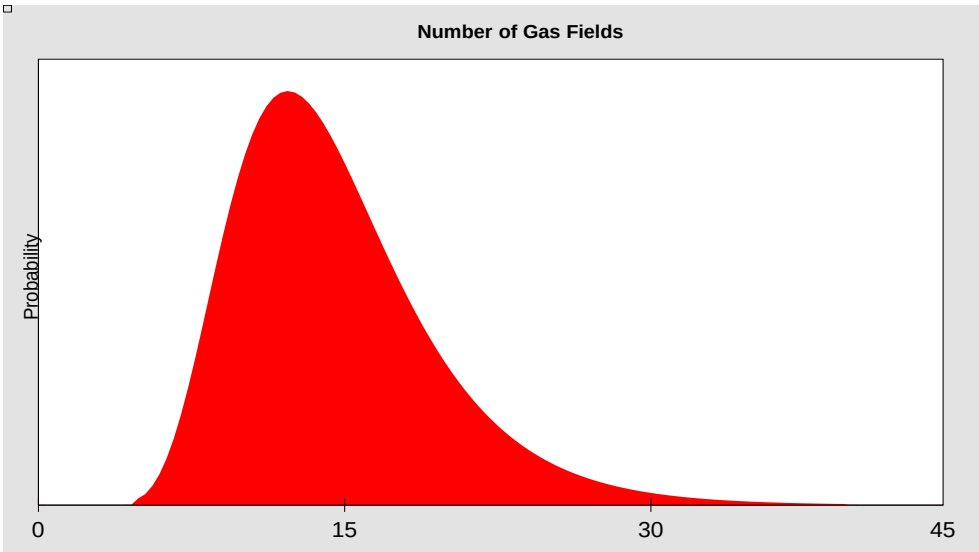
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	15.42	15.43
Median	14.97	15.00
Mode	---	---
Standard Deviation	3.13	3.12
Variance	9.81	9.76
Skewness	0.8376	0.8303
Kurtosis	3.92	3.95
Coefficient of Variability	0.2031	0.2024
Minimum	7.69	5.00
Maximum	29.95	30.00
Range Width	22.26	25.00
Mean Standard Error	0.01	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.69	5.00
95%	11.15	11.14
90%	11.83	11.84
85%	12.35	12.35
80%	12.78	12.79
75%	13.17	13.19
70%	13.54	13.56
65%	13.89	13.92
60%	14.23	14.27
55%	14.60	14.63
50%	14.97	15.00
45%	15.35	15.38
40%	15.75	15.78
35%	16.19	16.20
30%	16.65	16.68
25%	17.18	17.21
20%	17.81	17.82
15%	18.61	18.58
10%	19.64	19.60
5%	21.28	21.24
0%	29.95	30.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	13.85	14.85
Standard Deviation	5.08	5.08
Selected range is from -Infinity to 39.00		1.00 to 40.00



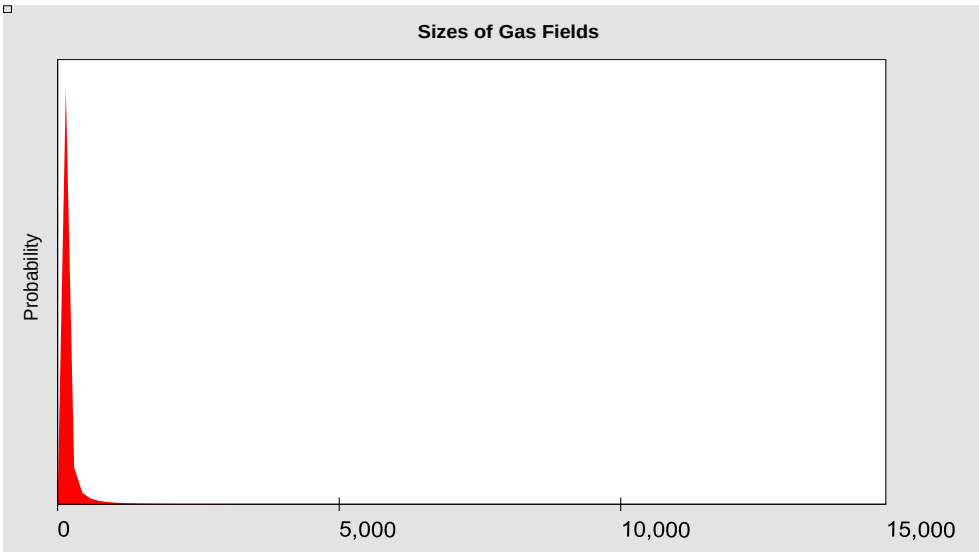
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	14.81	14.82
Median	13.99	13.99
Mode	---	---
Standard Deviation	5.02	5.00
Variance	25.24	24.98
Skewness	1.02	1.01
Kurtosis	4.46	4.46
Coefficient of Variability	0.3391	0.3373
Minimum	4.05	1.00
Maximum	39.97	40.00
Range Width	35.92	39.00
Mean Standard Error	0.02	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.05	1.00
95%	8.20	8.24
90%	9.21	9.24
85%	9.96	9.99
80%	10.63	10.64
75%	11.21	11.23
70%	11.77	11.79
65%	12.31	12.33
60%	12.85	12.88
55%	13.41	13.43
50%	13.99	13.99
45%	14.55	14.59
40%	15.19	15.22
35%	15.88	15.90
30%	16.65	16.65
25%	17.52	17.51
20%	18.54	18.52
15%	19.81	19.77
10%	21.51	21.47
5%	24.30	24.25
0%	39.97	40.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	192.23	198.23
Standard Deviation	2,043.92	2,043.92
Selected range is from -Infinity to 14,994.00		6.00 to 15,000.00



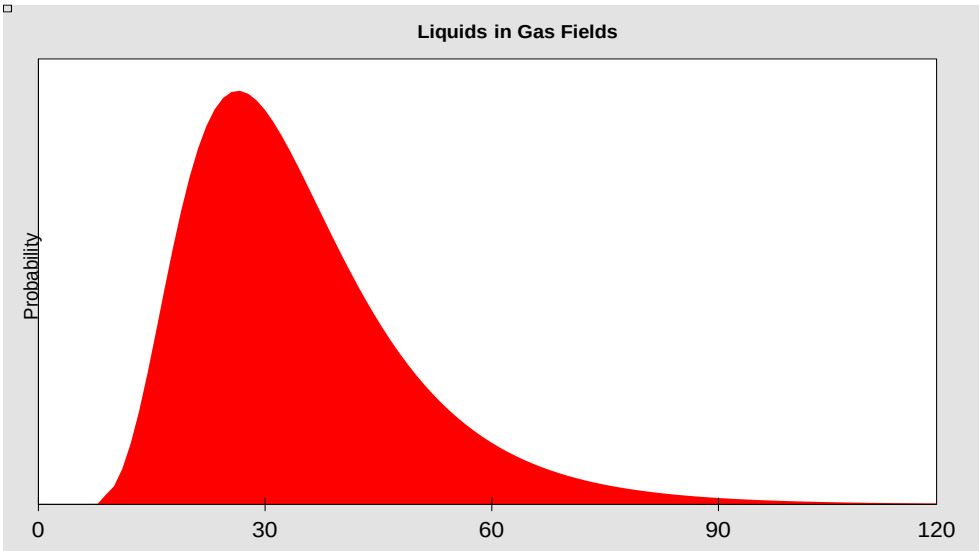
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	166.57	172.91
Median	24.04	23.95
Mode	---	---
Standard Deviation	654.90	639.08
Variance	428,898.92	408,417.55
Skewness	10.92	10.98
Kurtosis	162.54	164.52
Coefficient of Variability	3.93	3.70
Minimum	6.00	6.00
Maximum	14,980.85	15,000.00
Range Width	14,974.84	14,994.00
Mean Standard Error	2.93	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.00	6.00
95%	6.50	6.50
90%	7.11	7.11
85%	7.88	7.88
80%	8.88	8.88
75%	10.18	10.14
70%	11.83	11.74
65%	13.84	13.77
60%	16.46	16.35
55%	19.72	19.66
50%	24.04	23.95
45%	29.67	29.59
40%	37.09	37.14
35%	47.59	47.48
30%	62.14	62.11
25%	84.00	83.73
20%	116.94	117.70
15%	175.96	176.40
10%	298.34	295.57
5%	657.95	638.89
0%	14,980.85	15,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	33.10	35.1
Standard Deviation	15.42	15.42
Selected range is from -Infinity to 118.00		2.00 to 120.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	34.94	34.99
Median	31.90	31.98
Mode	---	---
Standard Deviation	15.10	15.08
Variance	227.99	227.41
Skewness	1.31	1.29
Kurtosis	5.55	5.45
Coefficient of Variability	0.4321	0.4309
Minimum	6.13	2.00
Maximum	119.60	120.00
Range Width	113.47	118.00
Mean Standard Error	0.07	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.13	2.00
95%	16.48	16.47
90%	18.96	19.00
85%	20.88	20.95
80%	22.58	22.65
75%	24.17	24.24
70%	25.68	25.77
65%	27.22	27.28
60%	28.74	28.80
55%	30.27	30.36
50%	31.90	31.98
45%	33.63	33.70
40%	35.50	35.54
35%	37.51	37.56
30%	39.77	39.82
25%	42.41	42.41
20%	45.46	45.51
15%	49.38	49.41
10%	54.83	54.82
5%	63.56	63.94
0%	119.60	120.00

End of Assumptions

Simulation started on 11/30/2009 at 15:08:42
Simulation stopped on 11/30/2009 at 15:33:46