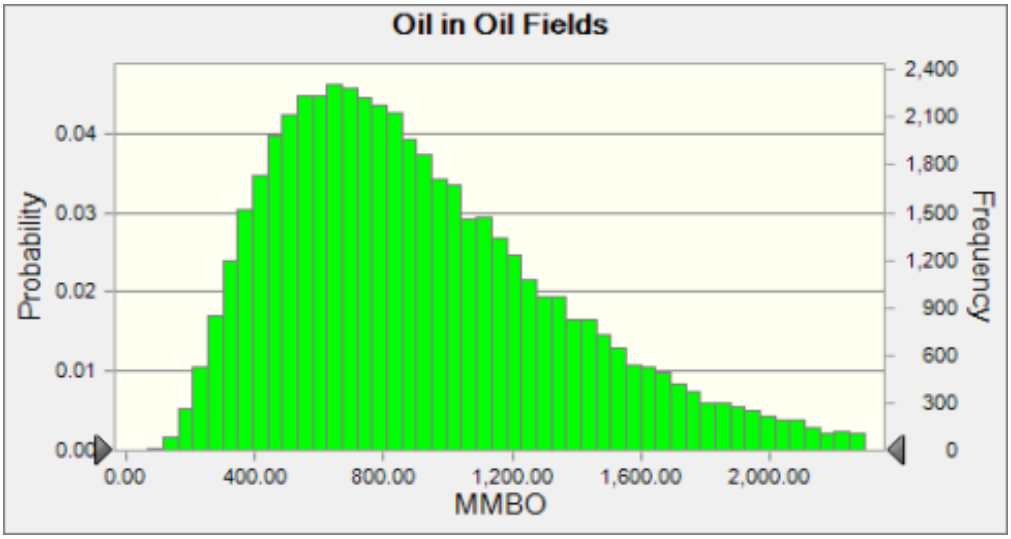
38010101
Irian Jaya Fold Belt
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 22.09 to 4,595.39
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.17



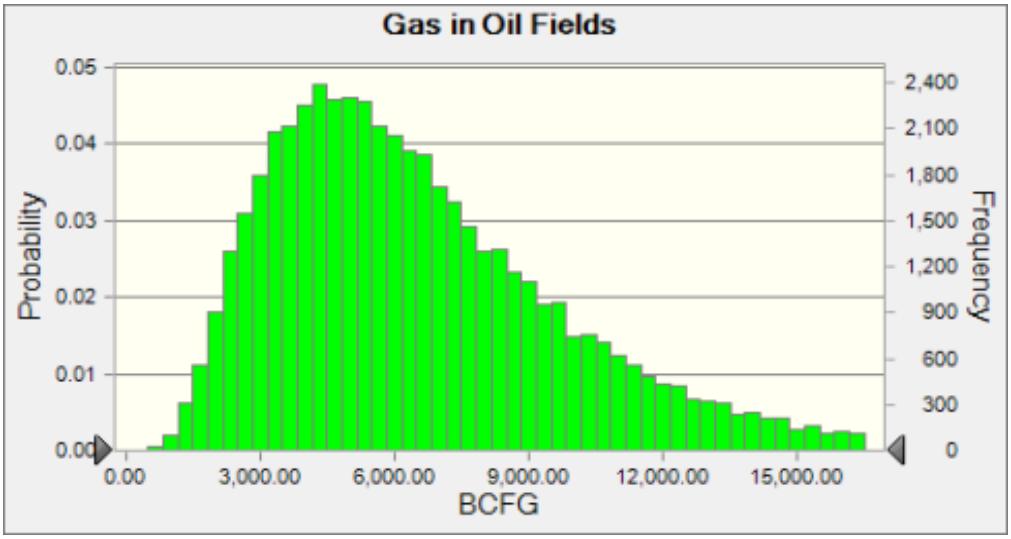
Statistics:	Forecast values
Trials	50,000
Mean	931.94
Median	835.97
Mode	---
Standard Deviation	485.07
Variance	235,292.31
Skewness	1.20
Kurtosis	5.15
Coefficient of Variability	0.5205
Minimum	22.09
Maximum	4,595.39
Range Width	4,573.30
Mean Standard Error	2.17

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	22.09
95%	329.64
90%	407.92
85%	468.90
80%	524.84
75%	577.06
70%	628.68
65%	678.70
60%	729.75
55%	781.43
50%	835.95
45%	892.75
40%	955.40
35%	1,025.02
30%	1,099.87
25%	1,183.59
20%	1,287.37
15%	1,413.27
10%	1,580.86
5%	1,863.38
0%	4,595.39

Forecast: Gas in Oil Fields

Summary:
Entire range is from 131.24 to 32,639.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 15.78



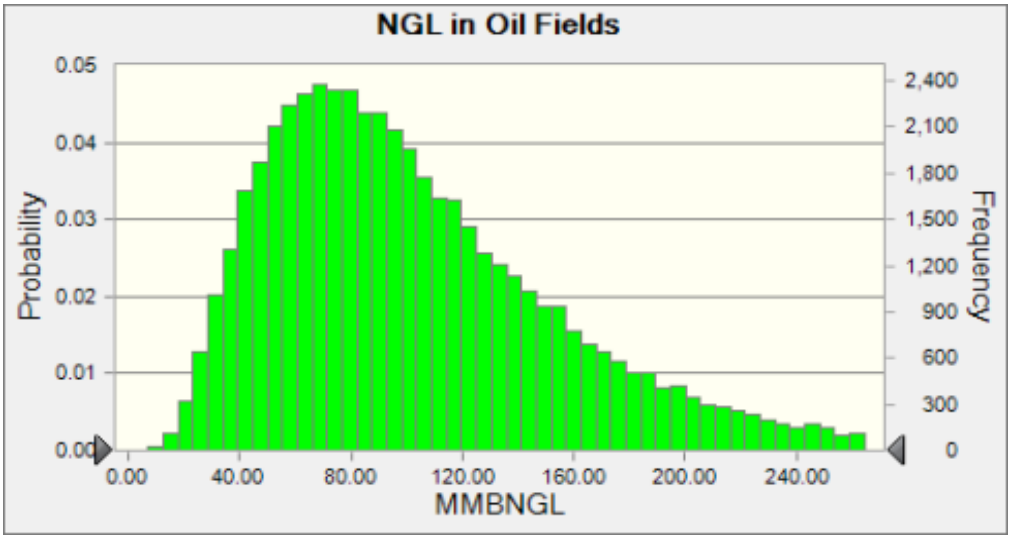
Statistics:	Forecast values
Trials	50,000
Mean	6,628.90
Median	5,915.93
Mode	---
Standard Deviation	3,528.37
Variance	12,449,423.06
Skewness	1.26
Kurtosis	5.38
Coefficient of Variability	0.5323
Minimum	131.24
Maximum	32,639.87
Range Width	32,508.63
Mean Standard Error	15.78

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	131.24
95%	2,304.57
90%	2,856.71
85%	3,297.11
80%	3,697.68
75%	4,072.36
70%	4,421.72
65%	4,787.05
60%	5,149.63
55%	5,517.18
50%	5,915.92
45%	6,332.35
40%	6,760.65
35%	7,248.33
30%	7,794.56
25%	8,432.53
20%	9,161.08
15%	10,083.12
10%	11,308.86
5%	13,399.51
0%	32,639.87

Forecast: NGL in Oil Fields

Summary:
Entire range is from 1.51 to 587.57
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.26



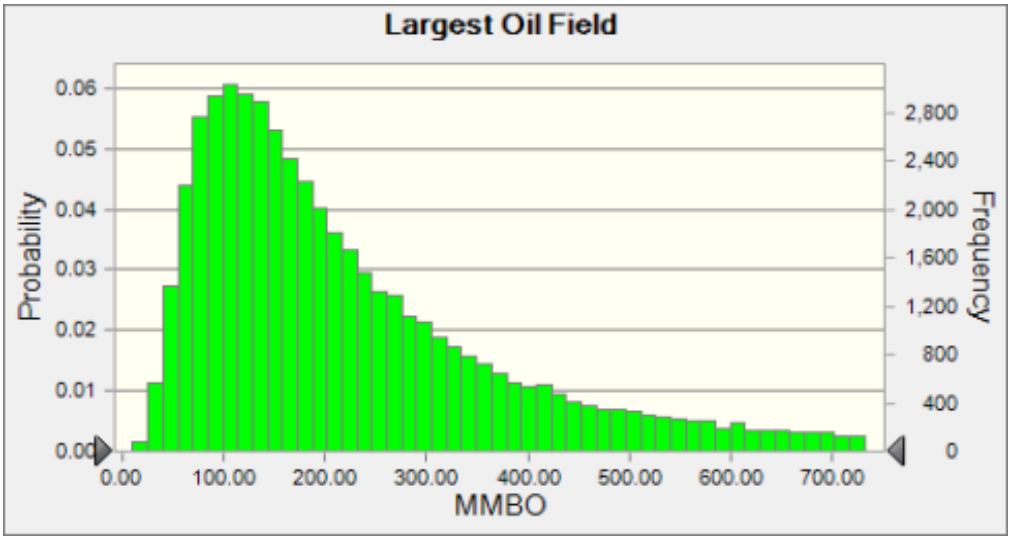
Statistics:	Forecast values
Trials	50,000
Mean	104.50
Median	92.51
Mode	---
Standard Deviation	57.14
Variance	3,264.41
Skewness	1.35
Kurtosis	5.87
Coefficient of Variability	0.5468
Minimum	1.51
Maximum	587.57
Range Width	586.05
Mean Standard Error	0.26

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	1.51
95%	35.48
90%	44.15
85%	51.18
80%	57.38
75%	63.25
70%	69.04
65%	74.67
60%	80.38
55%	86.42
50%	92.51
45%	99.03
40%	106.14
35%	114.10
30%	122.61
25%	133.07
20%	144.92
15%	159.64
10%	180.27
5%	214.09
0%	587.57

Forecast: Largest Oil Field

Summary:
Entire range is from 11.05 to 999.99
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.79



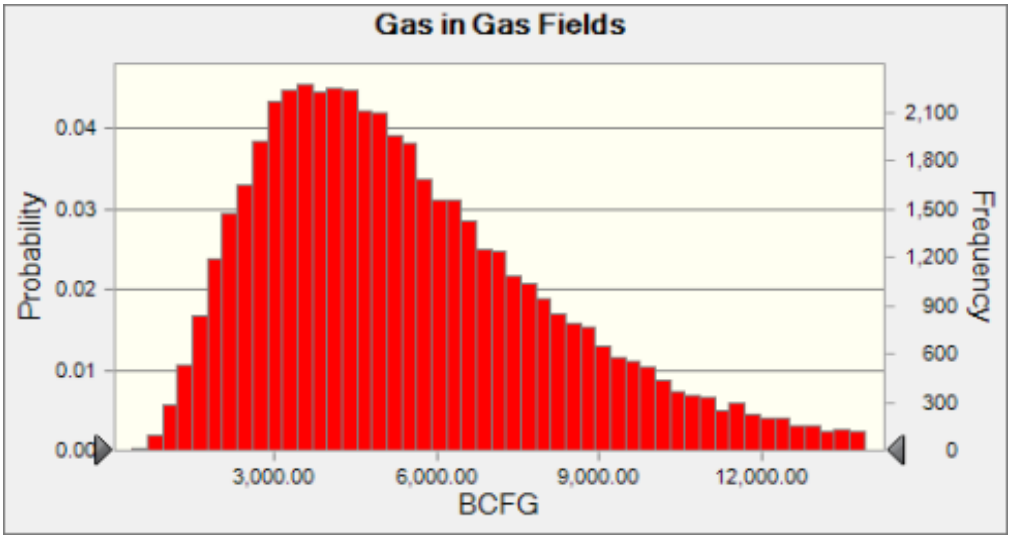
Statistics:	Forecast values
Trials	50,000
Mean	235.46
Median	180.16
Mode	---
Standard Deviation	177.07
Variance	31,355.29
Skewness	1.65
Kurtosis	5.81
Coefficient of Variability	0.7520
Minimum	11.05
Maximum	999.99
Range Width	988.94
Mean Standard Error	0.79

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	11.05
95%	58.81
90%	74.36
85%	87.38
80%	99.75
75%	111.87
70%	124.07
65%	136.77
60%	149.99
55%	164.53
50%	180.16
45%	197.98
40%	217.83
35%	241.09
30%	268.36
25%	300.74
20%	341.46
15%	397.83
10%	481.15
5%	618.76
0%	999.99

Forecast: Gas in Gas Fields

Summary:
Entire range is from 400.50 to 28,946.05
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 13.22



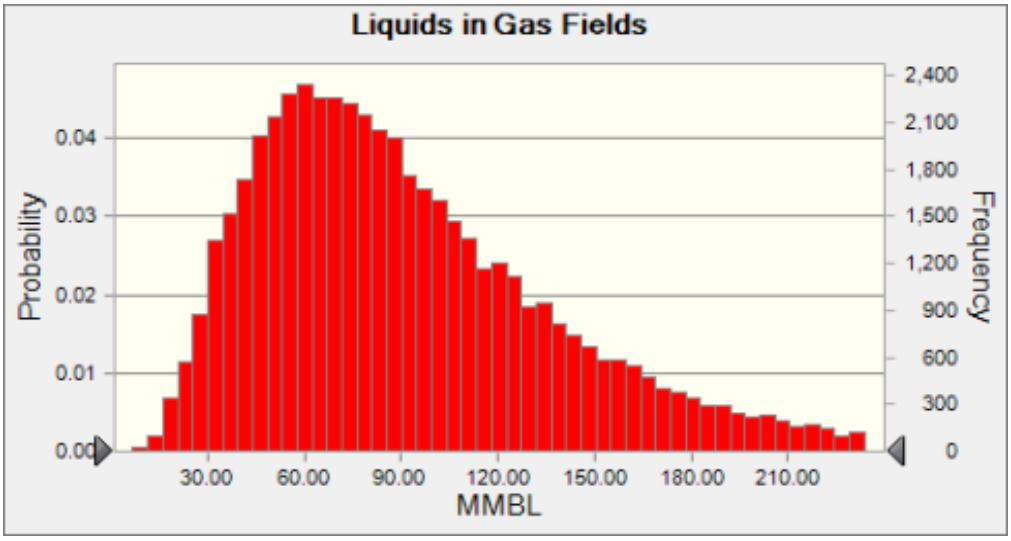
Statistics:	Forecast values
Trials	50,000
Mean	5,601.21
Median	4,995.38
Mode	---
Standard Deviation	2,956.73
Variance	8,742,275.00
Skewness	1.24
Kurtosis	5.39
Coefficient of Variability	0.5279
Minimum	400.50
Maximum	28,946.05
Range Width	28,545.54
Mean Standard Error	13.22

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	400.50
95%	1,954.50
90%	2,428.05
85%	2,811.57
80%	3,133.01
75%	3,439.86
70%	3,742.61
65%	4,057.08
60%	4,359.85
55%	4,676.86
50%	4,995.33
45%	5,349.59
40%	5,719.40
35%	6,145.82
30%	6,599.52
25%	7,134.10
20%	7,751.92
15%	8,542.89
10%	9,564.31
5%	11,288.07
0%	28,946.05

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 6.67 to 487.85
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.22



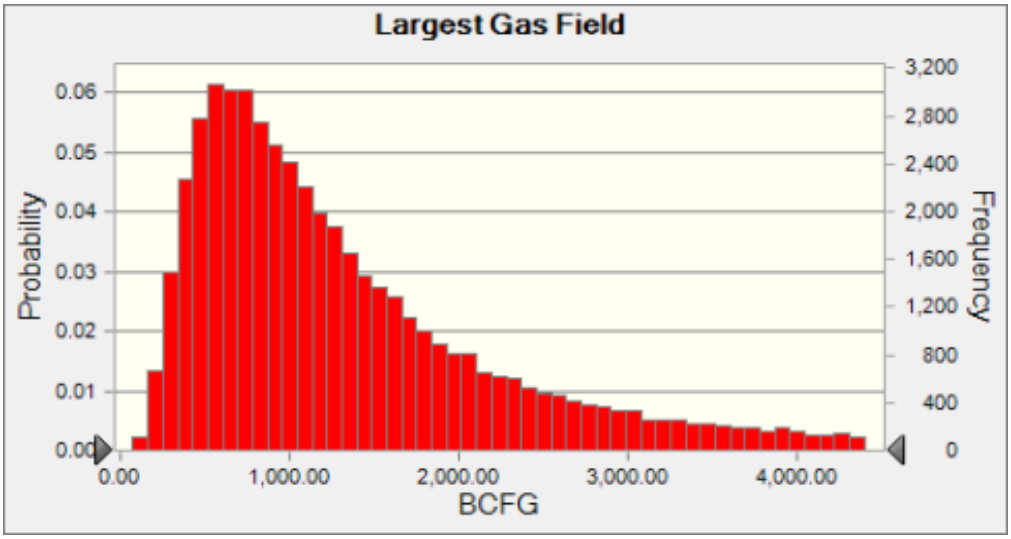
Statistics:	Forecast values
Trials	50,000
Mean	93.06
Median	82.58
Mode	---
Standard Deviation	50.23
Variance	2,522.85
Skewness	1.30
Kurtosis	5.59
Coefficient of Variability	0.5398
Minimum	6.67
Maximum	487.85
Range Width	481.17
Mean Standard Error	0.22

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	6.67
95%	31.99
90%	39.74
85%	46.03
80%	51.56
75%	56.72
70%	61.68
65%	66.70
60%	71.86
55%	77.08
50%	82.58
45%	88.27
40%	94.64
35%	101.55
30%	109.22
25%	118.50
20%	129.00
15%	142.14
10%	160.47
5%	190.05
0%	487.85

Forecast: Largest Gas Field

Summary:
Entire range is from 78.03 to 5,998.84
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.77



Statistics:	Forecast values
Trials	50,000
Mean	1,410.70
Median	1,080.41
Mode	---
Standard Deviation	1,067.45
Variance	1,139,442.55
Skewness	1.68
Kurtosis	5.93
Coefficient of Variability	0.7567
Minimum	78.03
Maximum	5,998.84
Range Width	5,920.82
Mean Standard Error	4.77

Forecast: Largest Gas Field (continued)

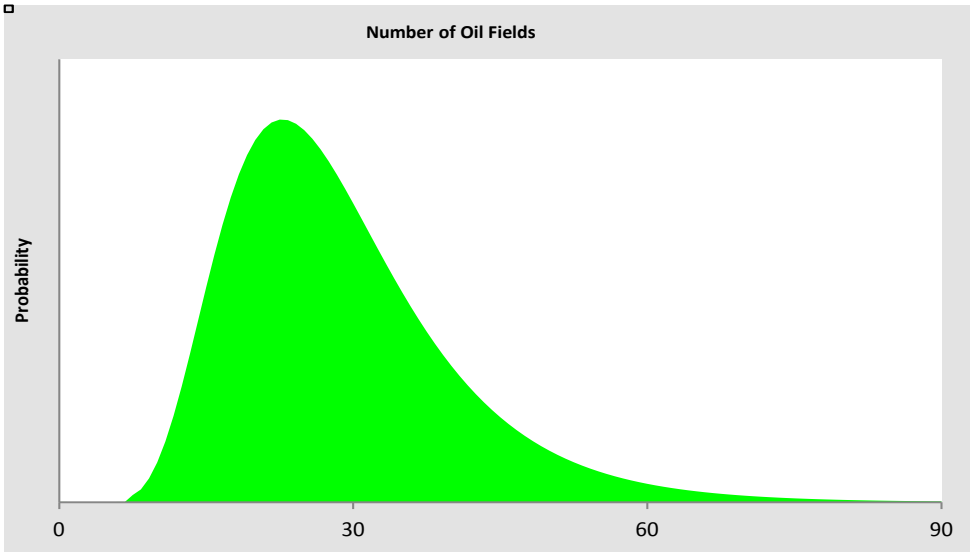
Percentiles:	BCFG
100%	78.03
95%	352.71
90%	447.64
85%	524.59
80%	596.14
75%	668.73
70%	740.66
65%	815.87
60%	898.82
55%	986.65
50%	1,080.39
45%	1,186.47
40%	1,302.84
35%	1,438.90
30%	1,597.19
25%	1,786.11
20%	2,041.31
15%	2,373.60
10%	2,873.35
5%	3,737.26
0%	5,998.84

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	28.15	29.15
Standard Deviation	11.67	11.67
Selected range is from -Infinity to 89.00		1.00 to 90.00



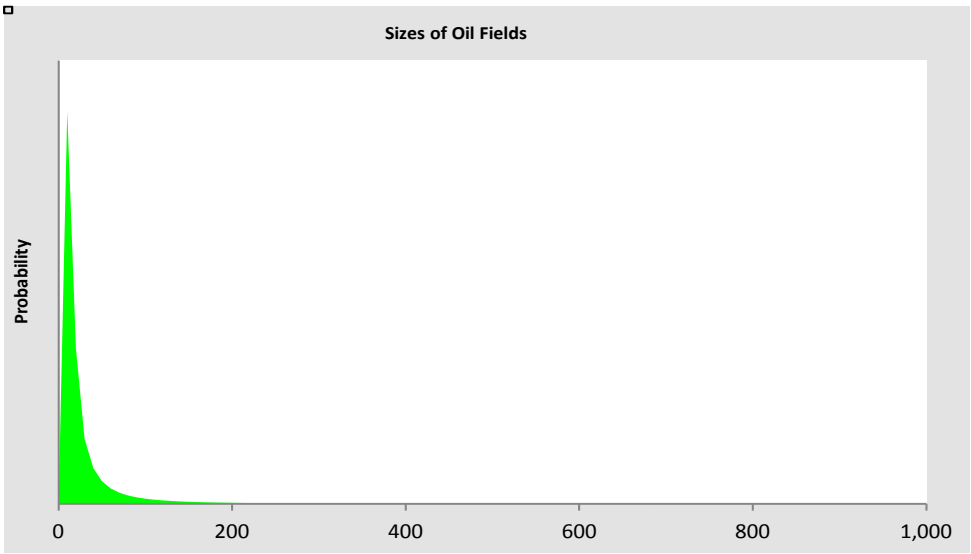
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	29.09	29.07
Median	27.08	26.99
Mode	---	---
Standard Deviation	11.41	11.44
Variance	130.16	130.99
Skewness	1.16	1.15
Kurtosis	5.02	4.90
Coefficient of Variability	0.3922	0.3937
Minimum	4.96	1.00
Maximum	89.81	90.00
Range Width	84.85	89.00
Mean Standard Error	0.05	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.96	1.00
95%	14.50	14.50
90%	16.62	16.60
85%	18.24	18.20
80%	19.65	19.59
75%	20.96	20.87
70%	22.13	22.09
65%	23.33	23.29
60%	24.54	24.50
55%	25.80	25.72
50%	27.08	26.99
45%	28.38	28.32
40%	29.81	29.74
35%	31.34	31.29
30%	33.06	33.01
25%	34.95	34.98
20%	37.26	37.31
15%	40.15	40.23
10%	44.16	44.22
5%	50.55	50.87
0%	89.81	90.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	28.69	33.69
Standard Deviation	86.87	86.87
Selected range is from -Infinity to 995.00		5.00 to 1,000.00



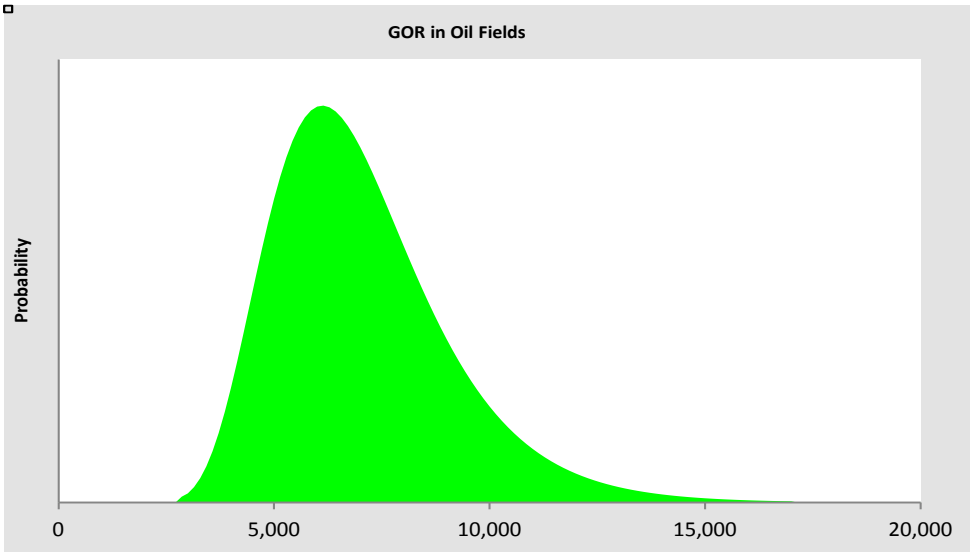
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	31.96	32.10
Median	14.02	13.98
Mode	---	---
Standard Deviation	59.32	60.03
Variance	3,519.02	3,603.68
Skewness	6.43	6.55
Kurtosis	61.70	64.35
Coefficient of Variability	1.86	1.87
Minimum	5.01	5.00
Maximum	987.61	1,000.00
Range Width	982.60	995.00
Mean Standard Error	0.27	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.01	5.00
95%	5.74	5.73
90%	6.27	6.28
85%	6.86	6.86
80%	7.51	7.50
75%	8.25	8.22
70%	9.06	9.04
65%	10.01	10.00
60%	11.14	11.11
55%	12.43	12.42
50%	14.02	13.98
45%	15.97	15.88
40%	18.39	18.21
35%	21.39	21.14
30%	25.19	24.94
25%	30.29	30.05
20%	37.64	37.28
15%	48.81	48.38
10%	67.39	67.87
5%	111.16	113.65
0%	987.61	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



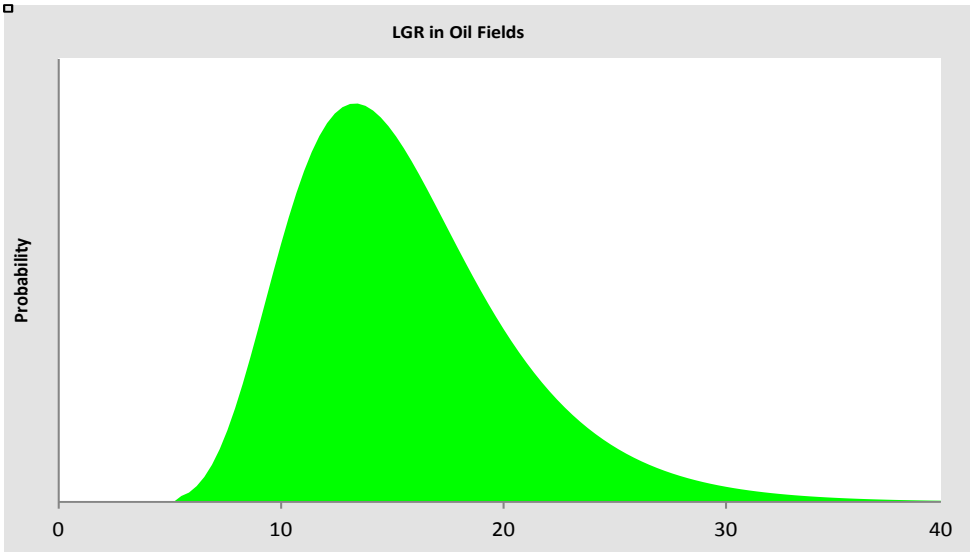
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	7,122.56	7,109.83
Median	6,812.53	6,797.61
Mode	---	---
Standard Deviation	2,029.26	2,033.92
Variance	4,117,878.53	4,136,820.46
Skewness	0.9181	0.9271
Kurtosis	4.18	4.21
Coefficient of Variability	0.2849	0.2861
Minimum	2,569.31	1,000.00
Maximum	16,995.03	17,000.00
Range Width	14,425.72	16,000.00
Mean Standard Error	9.08	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	2,569.31	1,000.00
95%	4,384.95	4,378.87
90%	4,814.07	4,806.92
85%	5,137.89	5,125.92
80%	5,415.77	5,398.40
75%	5,667.45	5,646.44
70%	5,896.87	5,881.07
65%	6,127.42	6,109.04
60%	6,351.96	6,335.17
55%	6,583.03	6,563.45
50%	6,812.49	6,797.61
45%	7,053.52	7,041.59
40%	7,313.55	7,299.97
35%	7,590.68	7,578.57
30%	7,900.78	7,885.42
25%	8,247.48	8,232.46
20%	8,652.96	8,639.27
15%	9,144.16	9,141.86
10%	9,840.06	9,820.06
5%	10,923.06	10,924.53
0%	16,995.03	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



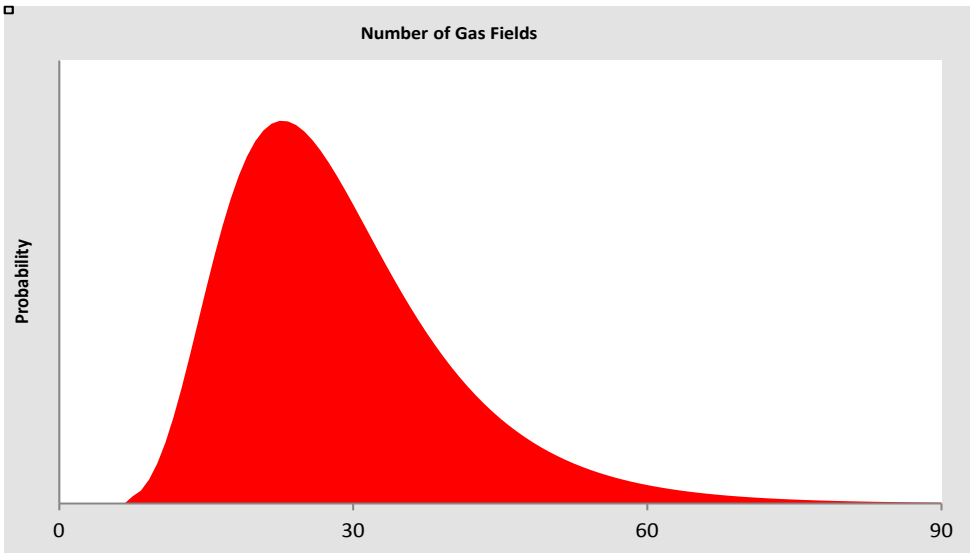
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	15.75	15.76
Median	14.96	14.99
Mode	---	---
Standard Deviation	4.94	4.96
Variance	24.39	24.64
Skewness	0.9238	0.9368
Kurtosis	4.16	4.24
Coefficient of Variability	0.3136	0.3149
Minimum	4.18	1.00
Maximum	39.70	40.00
Range Width	35.52	39.00
Mean Standard Error	0.02	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.18	1.00
95%	9.14	9.11
90%	10.18	10.15
85%	10.93	10.93
80%	11.59	11.59
75%	12.19	12.19
70%	12.75	12.76
65%	13.30	13.32
60%	13.84	13.87
55%	14.39	14.42
50%	14.96	14.99
45%	15.55	15.59
40%	16.20	16.22
35%	16.88	16.90
30%	17.65	17.65
25%	18.51	18.49
20%	19.50	19.49
15%	20.67	20.72
10%	22.32	22.38
5%	25.05	25.08
0%	39.70	40.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	28.15	29.15
Standard Deviation	11.67	11.67
Selected range is from -Infinity to 89.00		1.00 to 90.00



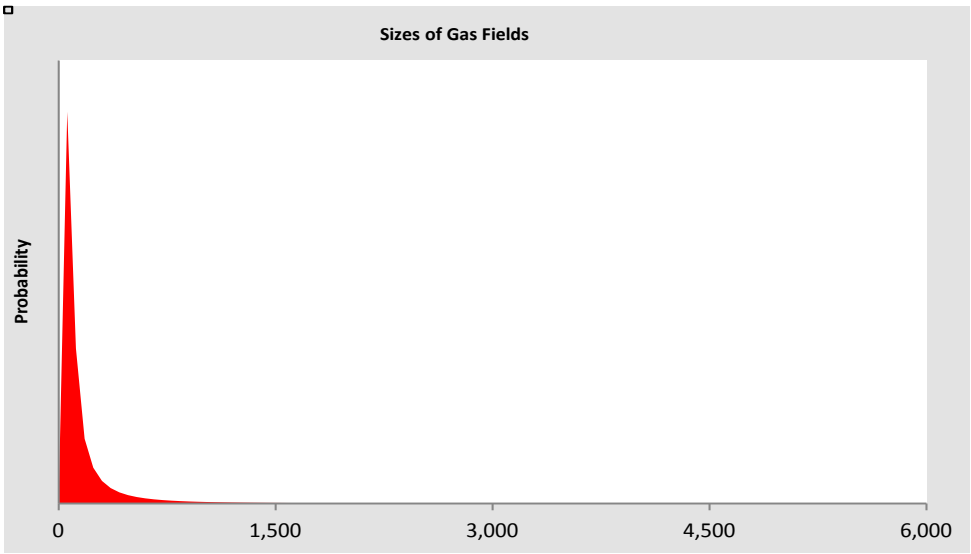
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	29.10	29.07
Median	27.08	26.99
Mode	---	---
Standard Deviation	11.49	11.44
Variance	131.95	130.99
Skewness	1.13	1.15
Kurtosis	4.86	4.90
Coefficient of Variability	0.3947	0.3937
Minimum	5.19	1.00
Maximum	89.70	90.00
Range Width	84.51	89.00
Mean Standard Error	0.05	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.19	1.00
95%	14.41	14.50
90%	16.50	16.60
85%	18.16	18.20
80%	19.58	19.59
75%	20.88	20.87
70%	22.11	22.09
65%	23.28	23.29
60%	24.51	24.50
55%	25.79	25.72
50%	27.08	26.99
45%	28.42	28.32
40%	29.79	29.74
35%	31.34	31.29
30%	33.03	33.01
25%	35.06	34.98
20%	37.38	37.31
15%	40.16	40.23
10%	44.28	44.22
5%	51.06	50.87
0%	89.70	90.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	172.17	202.17
Standard Deviation	521.23	521.23
Selected range is from -Infinity to 5,970.00		30.00 to 6,000.00



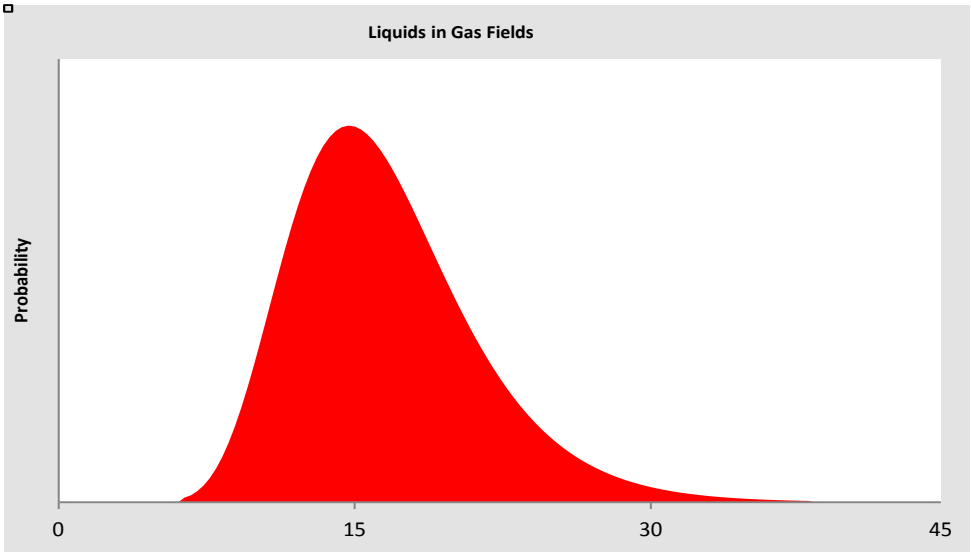
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	191.49	192.62
Median	84.00	83.90
Mode	---	---
Standard Deviation	362.83	360.18
Variance	131,647.95	129,732.54
Skewness	6.68	6.55
Kurtosis	66.28	64.35
Coefficient of Variability	1.89	1.87
Minimum	30.10	30.00
Maximum	5,974.28	6,000.00
Range Width	5,944.18	5,970.00
Mean Standard Error	1.62	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.10	30.00
95%	34.41	34.41
90%	37.68	37.66
85%	41.01	41.13
80%	44.88	44.97
75%	49.30	49.31
70%	54.25	54.27
65%	59.87	59.99
60%	66.52	66.66
55%	74.62	74.52
50%	84.00	83.90
45%	95.56	95.25
40%	109.47	109.24
35%	126.65	126.84
30%	148.71	149.64
25%	177.97	180.28
20%	220.92	223.69
15%	286.64	290.28
10%	400.55	407.20
5%	676.19	681.89
0%	5,974.28	6,000.00

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	16.63	16.62
Median	16.02	15.99
Mode	---	---
Standard Deviation	4.69	4.67
Variance	21.96	21.76
Skewness	0.7912	0.7911
Kurtosis	3.86	3.85
Coefficient of Variability	0.2818	0.2807
Minimum	4.68	0.30
Maximum	37.96	38.00
Range Width	33.27	37.70
Mean Standard Error	0.02	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	4.68	0.30
95%	10.09	10.15
90%	11.17	11.22
85%	12.00	12.00
80%	12.68	12.66
75%	13.28	13.26
70%	13.84	13.83
65%	14.38	14.37
60%	14.92	14.91
55%	15.46	15.45
50%	16.02	15.99
45%	16.58	16.56
40%	17.18	17.16
35%	17.82	17.80
30%	18.50	18.51
25%	19.30	19.30
20%	20.22	20.21
15%	21.38	21.34
10%	22.88	22.85
5%	25.28	25.26
0%	37.96	38.00

End of Assumptions

Simulation started on 9/14/2011 at 11:06 AM
Simulation stopped on 9/14/2011 at 11:23 AM