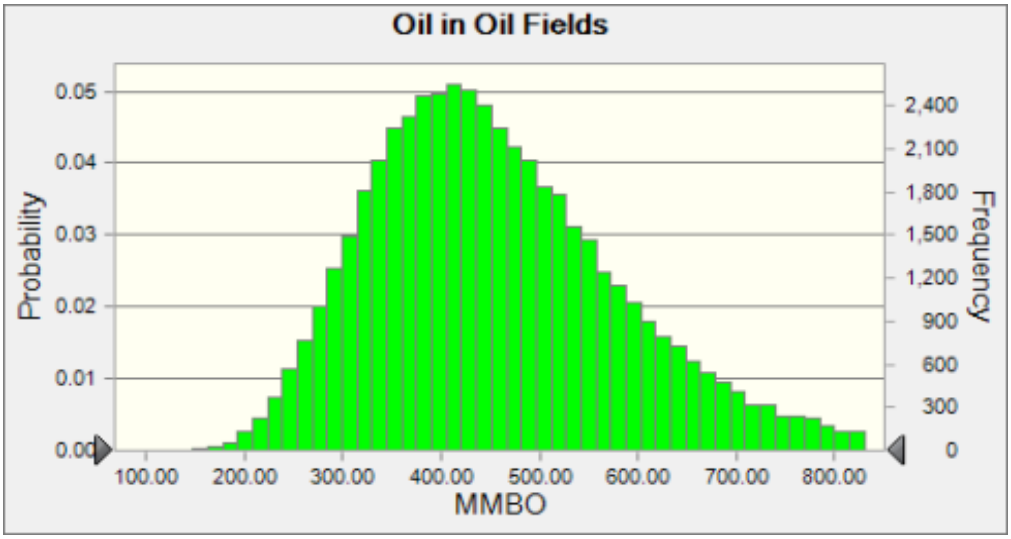
80440101
Northern Cauvery Basin
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 19.37 to 1,119.15
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.59



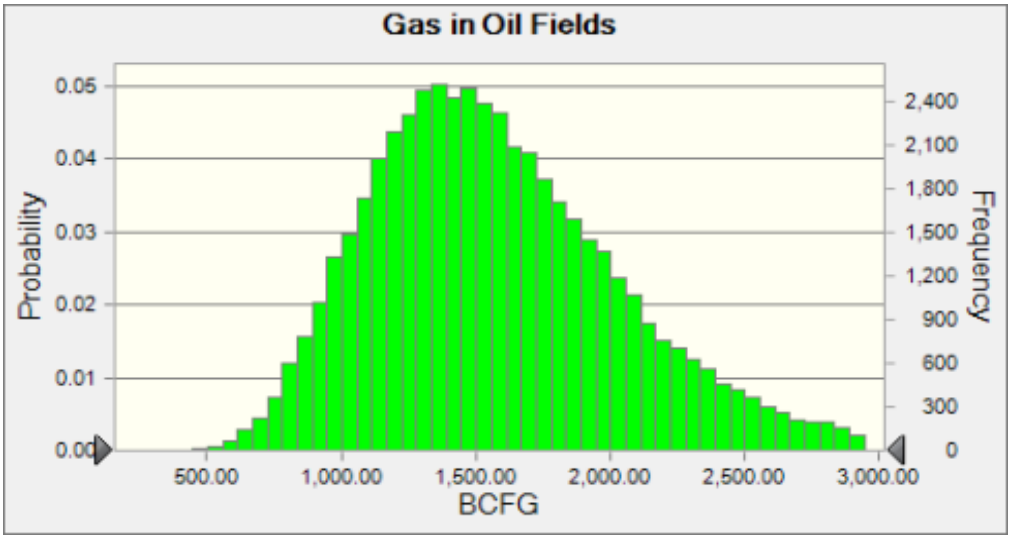
Statistics:	Forecast values
Trials	50,000
Mean	458.38
Median	439.81
Mode	---
Standard Deviation	132.93
Variance	17,670.04
Skewness	0.8017
Kurtosis	3.88
Coefficient of Variability	0.2900
Minimum	19.37
Maximum	1,119.15
Range Width	1,099.78
Mean Standard Error	0.59

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	19.37
95%	274.17
90%	305.18
85%	327.37
80%	346.21
75%	363.01
70%	379.09
65%	394.65
60%	409.53
55%	424.56
50%	439.81
45%	456.00
40%	473.23
35%	491.75
30%	512.06
25%	534.40
20%	560.34
15%	592.63
10%	636.42
5%	704.85
0%	1,119.15

Forecast: Gas in Oil Fields

Summary:
Entire range is from 62.10 to 4,227.24
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.17



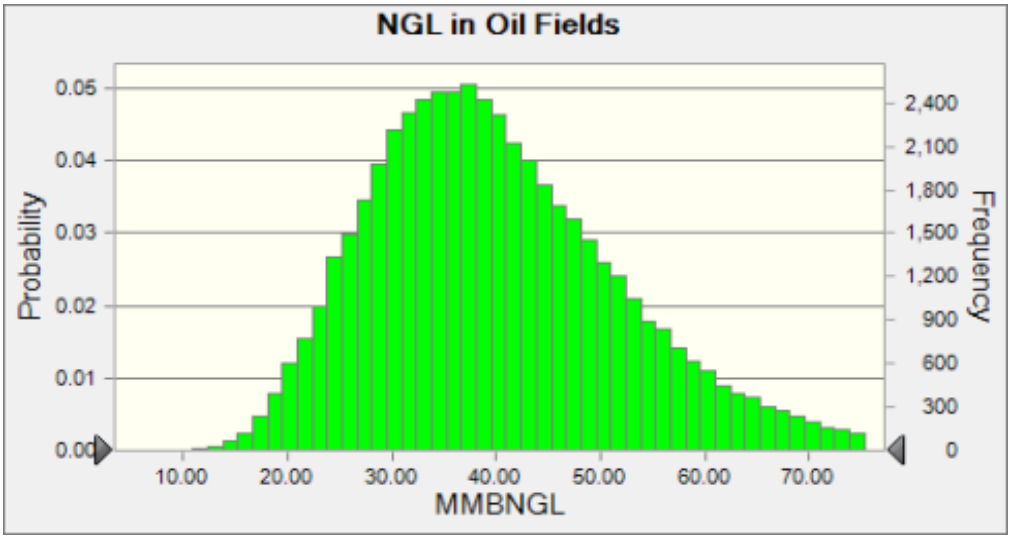
Statistics:	Forecast values
Trials	50,000
Mean	1,584.92
Median	1,519.84
Mode	---
Standard Deviation	485.11
Variance	235,332.30
Skewness	0.7858
Kurtosis	3.88
Coefficient of Variability	0.3061
Minimum	62.10
Maximum	4,227.24
Range Width	4,165.14
Mean Standard Error	2.17

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	62.10
95%	908.15
90%	1,020.11
85%	1,105.99
80%	1,174.82
75%	1,238.07
70%	1,297.06
65%	1,351.92
60%	1,407.09
55%	1,463.68
50%	1,519.83
45%	1,579.62
40%	1,641.77
35%	1,707.97
30%	1,782.70
25%	1,863.77
20%	1,960.97
15%	2,071.96
10%	2,231.59
5%	2,484.62
0%	4,227.24

Forecast: NGL in Oil Fields

Summary:
Entire range is from 1.60 to 108.59
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.06



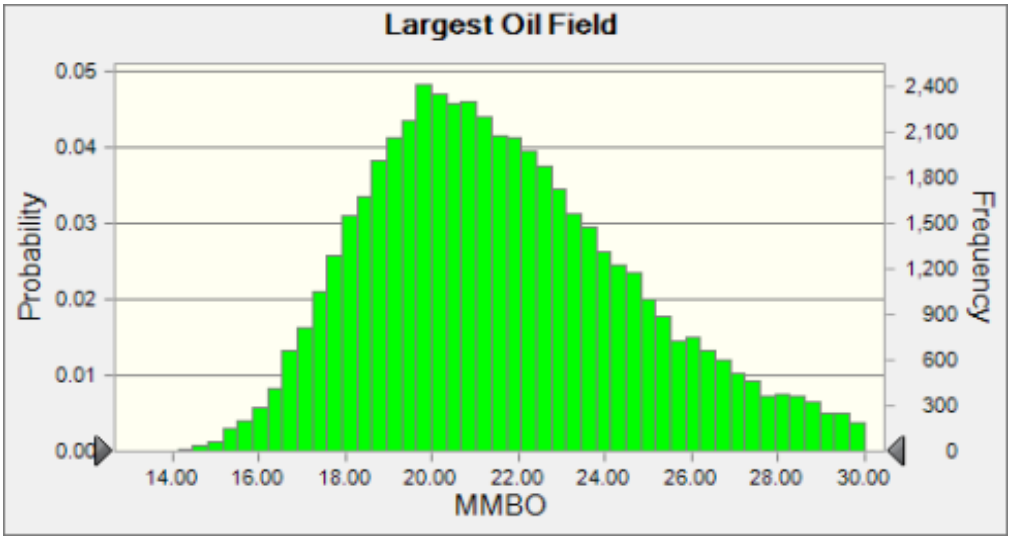
Statistics:	Forecast values
Trials	50,000
Mean	40.23
Median	38.57
Mode	---
Standard Deviation	12.51
Variance	156.50
Skewness	0.7851
Kurtosis	3.88
Coefficient of Variability	0.3110
Minimum	1.60
Maximum	108.59
Range Width	106.99
Mean Standard Error	0.06

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	1.60
95%	22.80
90%	25.67
85%	27.81
80%	29.67
75%	31.28
70%	32.81
65%	34.23
60%	35.68
55%	37.10
50%	38.57
45%	40.05
40%	41.69
35%	43.39
30%	45.32
25%	47.47
20%	49.93
15%	52.88
10%	56.88
5%	63.49
0%	108.59

Forecast: Largest Oil Field

Summary:
Entire range is from 11.14 to 30.00
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.01



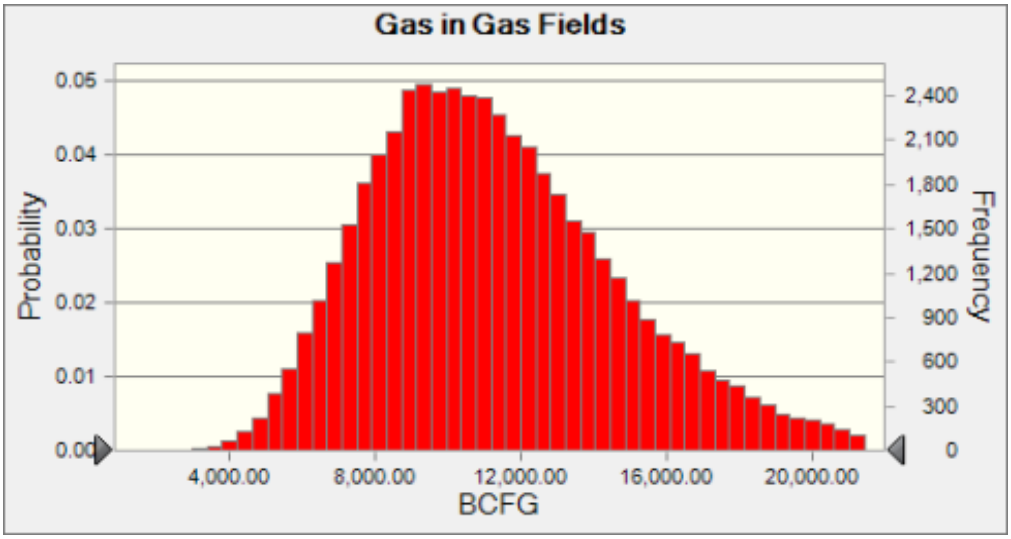
Statistics:	Forecast values
Trials	50,000
Mean	21.58
Median	21.23
Mode	---
Standard Deviation	3.04
Variance	9.22
Skewness	0.4494
Kurtosis	2.75
Coefficient of Variability	0.1407
Minimum	11.14
Maximum	30.00
Range Width	18.86
Mean Standard Error	0.01

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	11.14
95%	17.17
90%	17.92
85%	18.47
80%	18.93
75%	19.35
70%	19.73
65%	20.10
60%	20.47
55%	20.84
50%	21.23
45%	21.64
40%	22.06
35%	22.50
30%	22.98
25%	23.52
20%	24.16
15%	24.88
10%	25.90
5%	27.28
0%	30.00

Forecast: Gas in Gas Fields

Summary:
Entire range is from 87.87 to 31,823.78
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 16.05



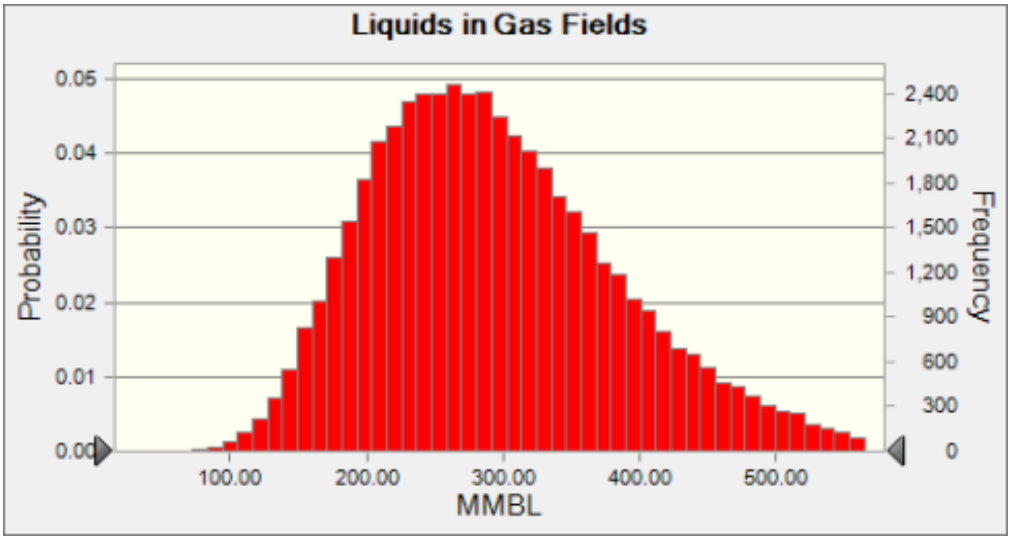
Statistics:	Forecast values
Trials	50,000
Mean	11,393.77
Median	10,921.71
Mode	---
Standard Deviation	3,587.82
Variance	12,872,449.64
Skewness	0.7937
Kurtosis	3.91
Coefficient of Variability	0.3149
Minimum	87.87
Maximum	31,823.78
Range Width	31,735.91
Mean Standard Error	16.05

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	87.87
95%	6,406.76
90%	7,227.27
85%	7,841.33
80%	8,355.24
75%	8,815.64
70%	9,238.18
65%	9,648.09
60%	10,078.42
55%	10,484.08
50%	10,921.61
45%	11,357.58
40%	11,825.03
35%	12,319.96
30%	12,857.61
25%	13,468.15
20%	14,163.54
15%	15,020.89
10%	16,206.85
5%	18,010.06
0%	31,823.78

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 2.61 to 842.43
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.43



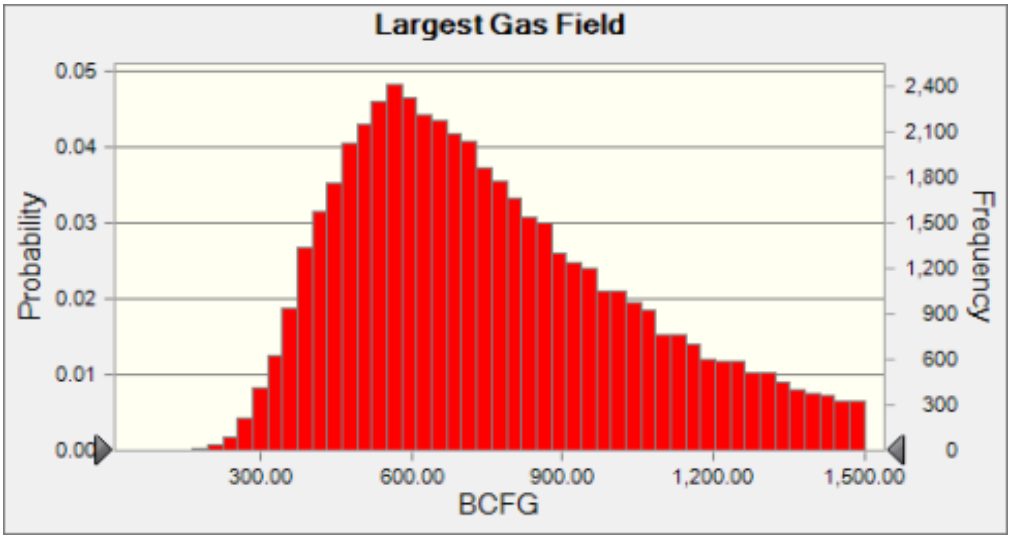
Statistics:	Forecast values
Trials	50,000
Mean	296.75
Median	284.25
Mode	---
Standard Deviation	95.77
Variance	9,172.30
Skewness	0.7859
Kurtosis	3.89
Coefficient of Variability	0.3227
Minimum	2.61
Maximum	842.43
Range Width	839.82
Mean Standard Error	0.43

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	2.61
95%	163.79
90%	185.85
85%	201.51
80%	214.91
75%	227.32
70%	238.91
65%	250.31
60%	261.74
55%	272.56
50%	284.25
45%	295.78
40%	308.06
35%	321.96
30%	336.06
25%	352.56
20%	370.89
15%	394.30
10%	424.68
5%	473.36
0%	842.43

Forecast: Largest Gas Field

Summary:
Entire range is from 46.20 to 1,499.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.26



Statistics:	Forecast values
Trials	50,000
Mean	754.70
Median	703.82
Mode	---
Standard Deviation	281.00
Variance	78,961.87
Skewness	0.6150
Kurtosis	2.66
Coefficient of Variability	0.3723
Minimum	46.20
Maximum	1,499.87
Range Width	1,453.67
Mean Standard Error	1.26

Forecast: Largest Gas Field (continued)

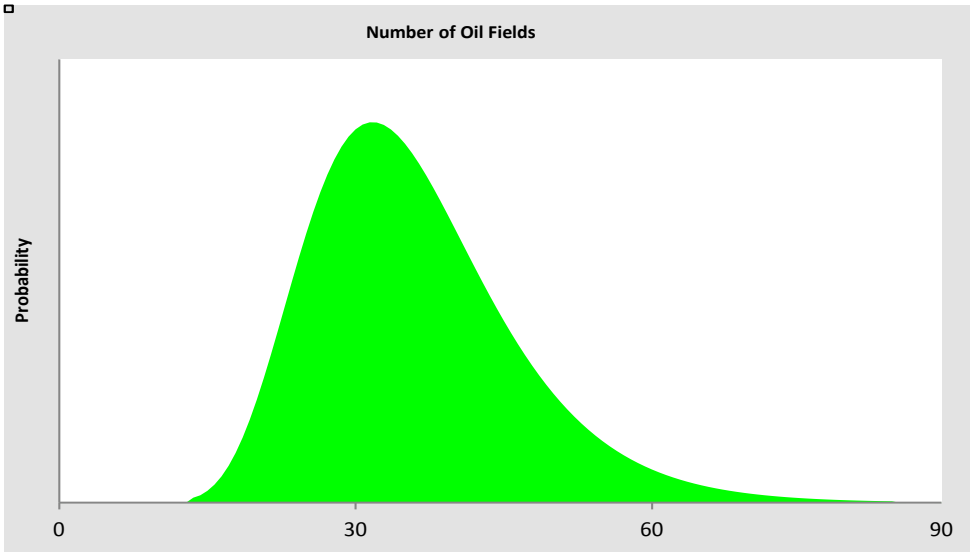
Percentiles:	BCFG
100%	46.20
95%	376.96
90%	428.12
85%	469.10
80%	504.85
75%	538.47
70%	569.90
65%	600.67
60%	634.40
55%	668.31
50%	703.80
45%	740.93
40%	782.67
35%	826.80
30%	876.51
25%	935.10
20%	1,001.48
15%	1,076.34
10%	1,175.32
5%	1,305.20
0%	1,499.87

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	35.49	36.49
Standard Deviation	10.61	10.61
Selected range is from -Infinity to 84.00		1.00 to 85.00



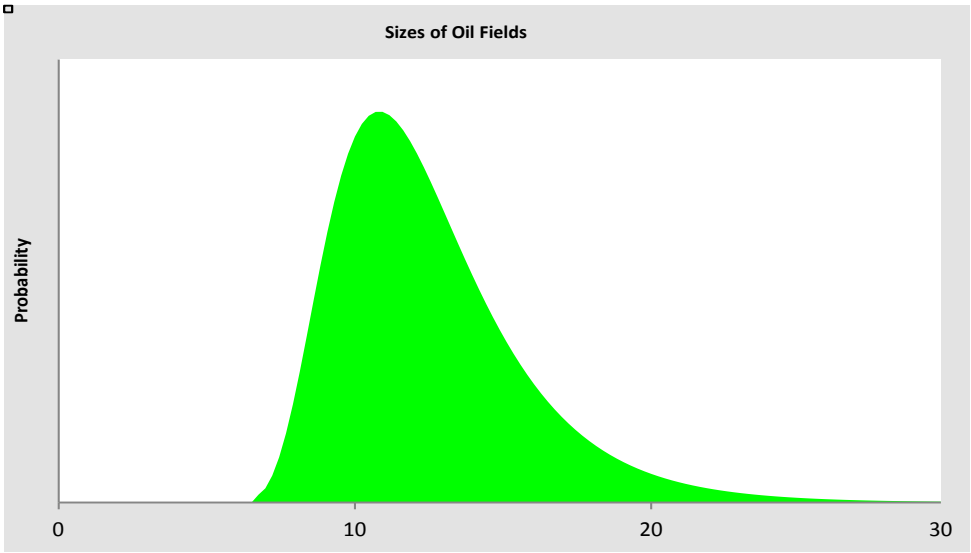
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	36.38	36.43
Median	34.94	34.99
Mode	---	---
Standard Deviation	10.44	10.47
Variance	108.90	109.59
Skewness	0.8129	0.8187
Kurtosis	3.91	3.92
Coefficient of Variability	0.2869	0.2873
Minimum	10.21	1.00
Maximum	84.83	85.00
Range Width	74.62	84.00
Mean Standard Error	0.05	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	10.21	1.00
95%	21.97	22.01
90%	24.33	24.36
85%	26.09	26.10
80%	27.58	27.57
75%	28.87	28.90
70%	30.12	30.15
65%	31.33	31.37
60%	32.54	32.56
55%	33.72	33.76
50%	34.94	34.99
45%	36.23	36.26
40%	37.55	37.60
35%	38.96	39.04
30%	40.57	40.62
25%	42.32	42.39
20%	44.36	44.46
15%	46.90	47.00
10%	50.31	50.40
5%	55.83	55.88
0%	84.83	85.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	7.62	12.62
Standard Deviation	3.28	3.28
Selected range is from -Infinity to 25.00		5.00 to 30.00



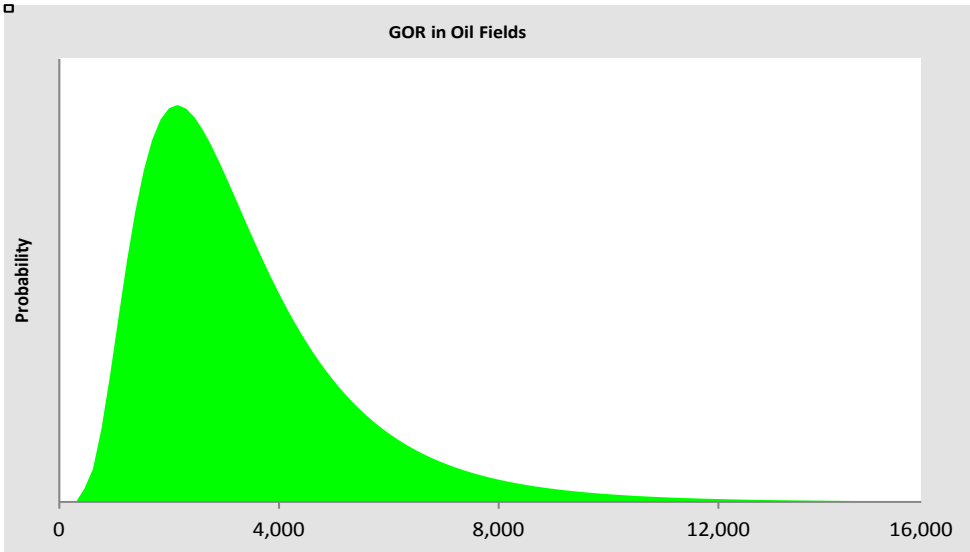
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	12.59	12.60
Median	12.00	12.00
Mode	---	---
Standard Deviation	3.19	3.21
Variance	10.20	10.32
Skewness	1.19	1.19
Kurtosis	5.10	5.06
Coefficient of Variability	0.2536	0.2549
Minimum	6.29	5.00
Maximum	29.92	30.00
Range Width	23.64	25.00
Mean Standard Error	0.01	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.29	5.00
95%	8.57	8.55
90%	9.14	9.13
85%	9.57	9.57
80%	9.94	9.95
75%	10.30	10.30
70%	10.62	10.64
65%	10.96	10.97
60%	11.31	11.30
55%	11.64	11.64
50%	12.00	12.00
45%	12.37	12.37
40%	12.77	12.77
35%	13.19	13.20
30%	13.67	13.68
25%	14.21	14.23
20%	14.88	14.89
15%	15.69	15.71
10%	16.77	16.84
5%	18.67	18.73
0%	29.92	30.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	36
Mean	3,438.40	3,474.40
Standard Deviation	2,021.74	2,021.74
Selected range is from -Infinity to 15,964.00		36.00 to 16,000.00



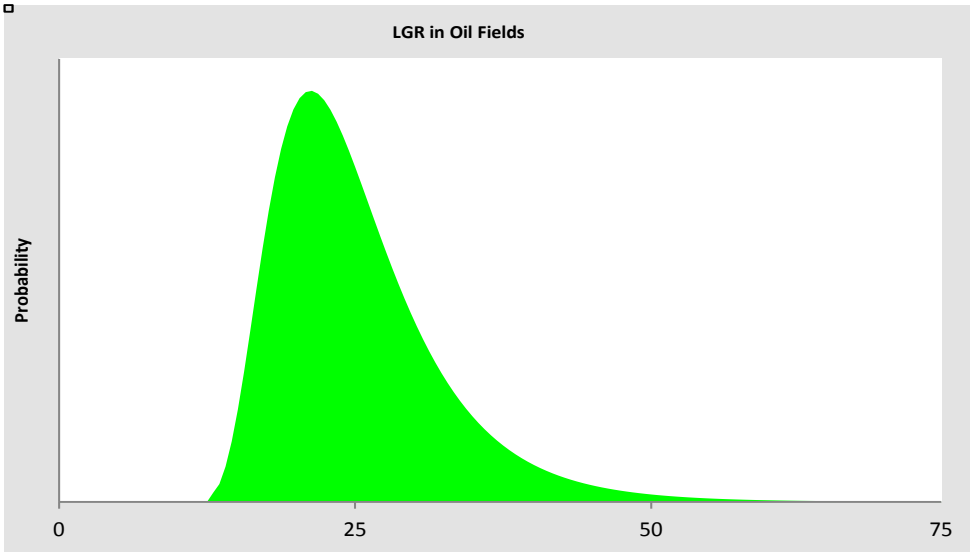
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	3,471.03	3,459.04
Median	3,002.64	2,997.97
Mode	---	---
Standard Deviation	1,980.68	1,961.34
Variance	3,923,104.76	3,846,847.85
Skewness	1.66	1.64
Kurtosis	7.15	7.00
Coefficient of Variability	0.5706	0.5670
Minimum	318.29	36.00
Maximum	15,939.71	16,000.00
Range Width	15,621.42	15,964.00
Mean Standard Error	8.86	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	318.29	36.00
95%	1,235.89	1,245.21
90%	1,507.62	1,509.87
85%	1,716.35	1,720.41
80%	1,908.79	1,908.99
75%	2,093.09	2,087.50
70%	2,266.82	2,262.24
65%	2,440.26	2,437.41
60%	2,624.13	2,616.34
55%	2,809.04	2,802.12
50%	3,002.60	2,997.97
45%	3,215.30	3,207.67
40%	3,444.83	3,435.90
35%	3,694.67	3,689.01
30%	3,987.94	3,976.07
25%	4,336.17	4,311.05
20%	4,741.99	4,717.40
15%	5,258.85	5,239.47
10%	6,007.43	5,978.28
5%	7,261.13	7,263.29
0%	15,939.71	16,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	10
Mean	15.44	25.44
Standard Deviation	7.19	7.19
Selected range is from -Infinity to 55.00		10.00 to 65.00



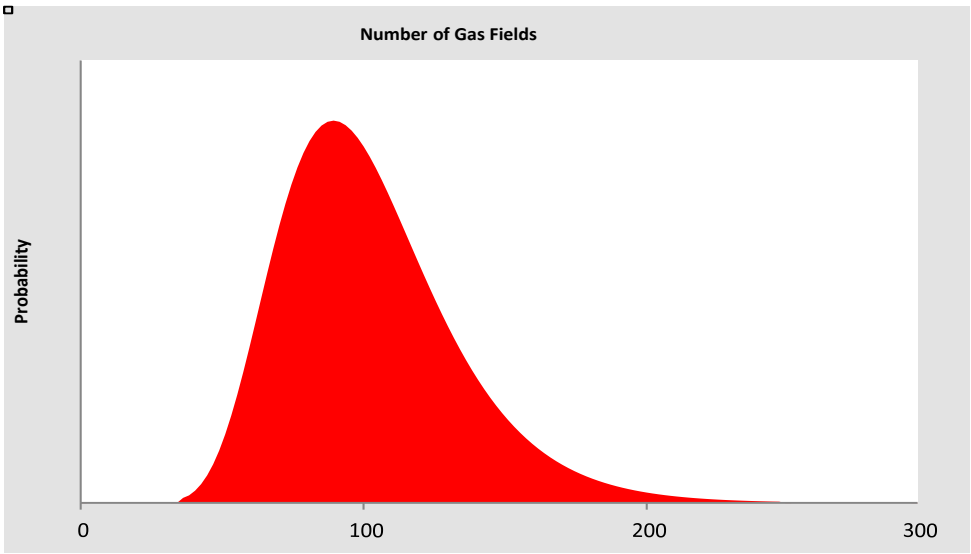
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	25.36	25.39
Median	23.92	23.99
Mode	---	---
Standard Deviation	7.05	7.03
Variance	49.69	49.41
Skewness	1.32	1.29
Kurtosis	5.61	5.44
Coefficient of Variability	0.2780	0.2768
Minimum	12.42	10.00
Maximum	64.98	65.00
Range Width	52.56	55.00
Mean Standard Error	0.03	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	12.42	10.00
95%	16.78	16.76
90%	17.92	17.94
85%	18.81	18.84
80%	19.59	19.64
75%	20.32	20.38
70%	21.02	21.09
65%	21.74	21.80
60%	22.47	22.51
55%	23.18	23.24
50%	23.92	23.99
45%	24.72	24.79
40%	25.60	25.65
35%	26.55	26.59
30%	27.61	27.64
25%	28.80	28.85
20%	30.25	30.30
15%	32.09	32.12
10%	34.60	34.64
5%	38.85	38.89
0%	64.98	65.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	103.51	104.51
Standard Deviation	31.60	31.6
Selected range is from -Infinity to 249.00		1.00 to 250.00



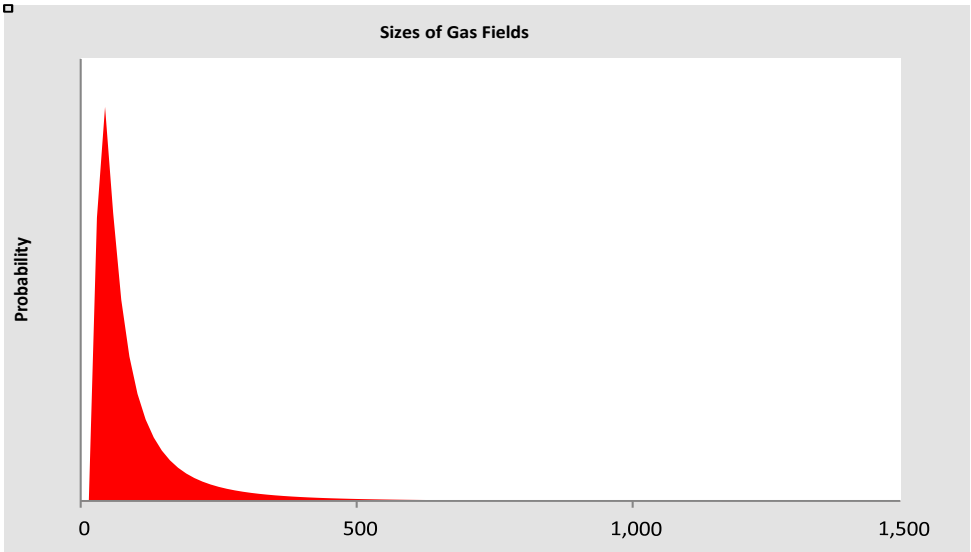
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	104.28	104.34
Median	100.02	99.96
Mode	---	---
Standard Deviation	31.03	31.16
Variance	963.17	970.74
Skewness	0.8250	0.8362
Kurtosis	3.97	3.96
Coefficient of Variability	0.2976	0.2986
Minimum	26.38	1.00
Maximum	249.75	250.00
Range Width	223.37	249.00
Mean Standard Error	0.14	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	26.38	1.00
95%	61.44	61.58
90%	68.40	68.52
85%	73.71	73.64
80%	78.04	77.99
75%	81.87	81.93
70%	85.63	85.63
65%	89.29	89.22
60%	92.88	92.76
55%	96.37	96.32
50%	100.02	99.96
45%	103.74	103.74
40%	107.67	107.73
35%	111.93	112.01
30%	116.74	116.71
25%	122.12	121.99
20%	128.27	128.16
15%	135.77	135.75
10%	145.75	145.91
5%	161.20	162.32
0%	249.75	250.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	81.42	111.42
Standard Deviation	135.21	135.21
Selected range is from -Infinity to 1,470.00		30.00 to 1,500.00



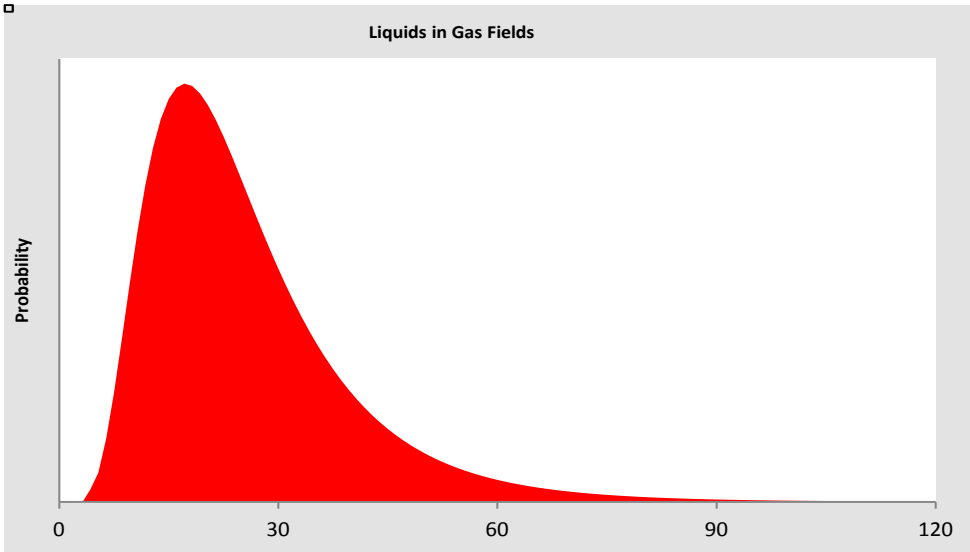
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	110.33	109.36
Median	72.58	71.94
Mode	---	---
Standard Deviation	115.24	115.22
Variance	13,280.59	13,276.28
Skewness	4.13	4.33
Kurtosis	28.23	30.82
Coefficient of Variability	1.04	1.05
Minimum	30.35	30.00
Maximum	1,497.67	1,500.00
Range Width	1,467.32	1,470.00
Mean Standard Error	0.52	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.35	30.00
95%	36.33	36.33
90%	39.57	39.61
85%	42.65	42.74
80%	45.97	45.93
75%	49.41	49.31
70%	52.97	52.95
65%	57.14	56.93
60%	61.71	61.34
55%	66.78	66.30
50%	72.58	71.94
45%	79.19	78.46
40%	86.89	86.11
35%	96.07	95.30
30%	107.25	106.61
25%	122.03	121.01
20%	141.47	140.25
15%	170.28	167.83
10%	216.63	212.42
5%	312.81	305.81
0%	1,497.67	1,500.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	25.16	26.16
Standard Deviation	13.95	13.95
Selected range is from -Infinity to 109.00		1.00 to 110.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.06	26.06
Median	23.01	22.99
Mode	---	---
Standard Deviation	13.51	13.57
Variance	182.39	184.12
Skewness	1.51	1.54
Kurtosis	6.33	6.54
Coefficient of Variability	0.5181	0.5208
Minimum	2.61	1.00
Maximum	109.23	110.00
Range Width	106.63	109.00
Mean Standard Error	0.06	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	2.61	1.00
95%	10.37	10.38
90%	12.35	12.33
85%	13.89	13.86
80%	15.24	15.22
75%	16.52	16.51
70%	17.77	17.76
65%	18.99	19.01
60%	20.29	20.28
55%	21.59	21.60
50%	23.01	22.99
45%	24.53	24.46
40%	26.16	26.06
35%	27.93	27.83
30%	29.93	29.83
25%	32.25	32.16
20%	34.97	34.97
15%	38.58	38.56
10%	43.61	43.61
5%	52.32	52.32
0%	109.23	110.00

End of Assumptions

Simulation started on 11/21/2011 at 12:11 PM
Simulation stopped on 11/21/2011 at 12:20 PM