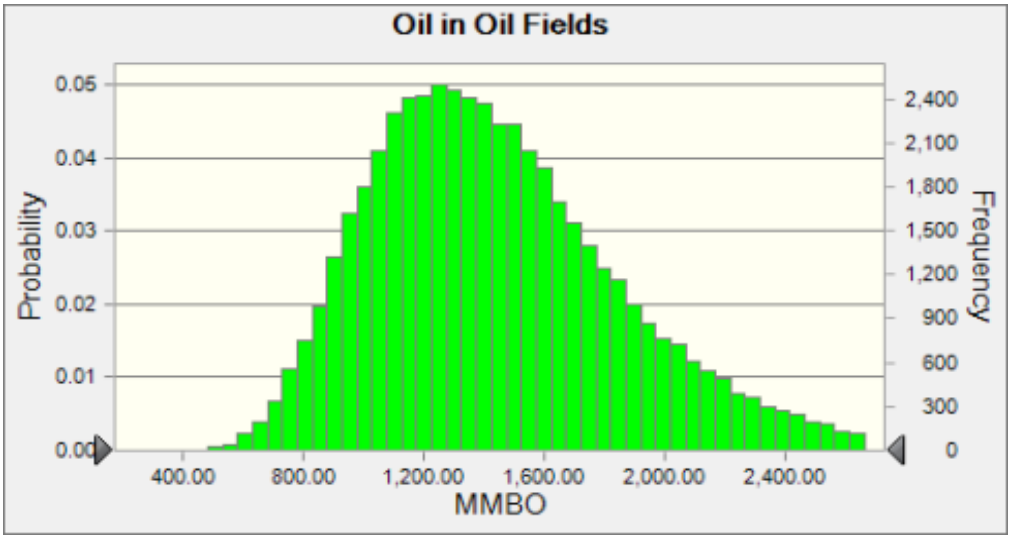
80430101
Bombay Shelf
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 19.90 to 3,492.67
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.94



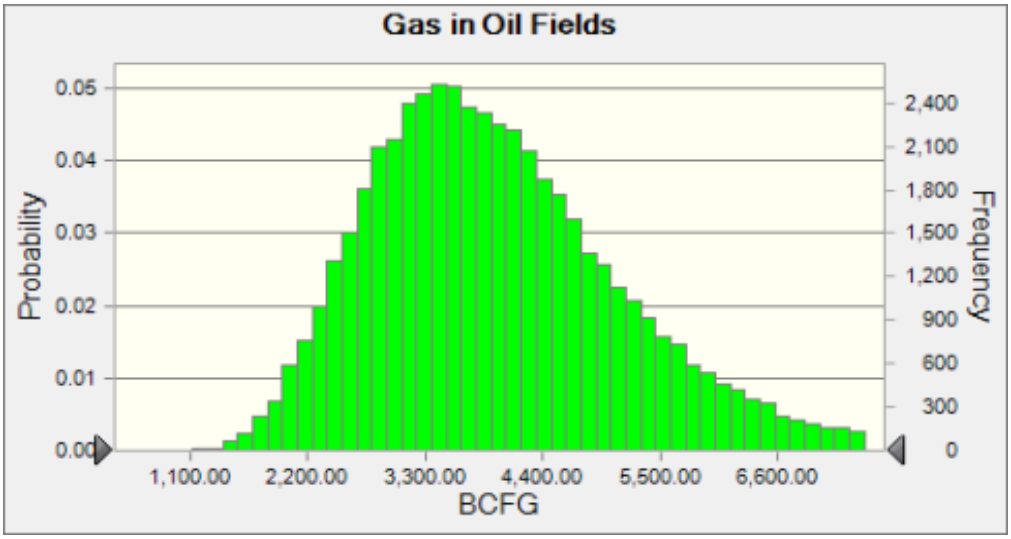
Statistics:	Forecast values
Trials	50,000
Mean	1,448.56
Median	1,388.34
Mode	---
Standard Deviation	433.21
Variance	187,672.40
Skewness	0.8346
Kurtosis	3.94
Coefficient of Variability	0.2991
Minimum	19.90
Maximum	3,492.67
Range Width	3,472.77
Mean Standard Error	1.94

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	19.90
95%	856.56
90%	950.63
85%	1,021.55
80%	1,081.76
75%	1,135.12
70%	1,186.33
65%	1,236.99
60%	1,286.41
55%	1,337.32
50%	1,388.34
45%	1,441.04
40%	1,498.01
35%	1,554.50
30%	1,619.06
25%	1,691.82
20%	1,778.52
15%	1,884.59
10%	2,030.02
5%	2,257.26
0%	3,492.67

Forecast: Gas in Oil Fields

Summary:
Entire range is from 51.14 to 10,415.02
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.47



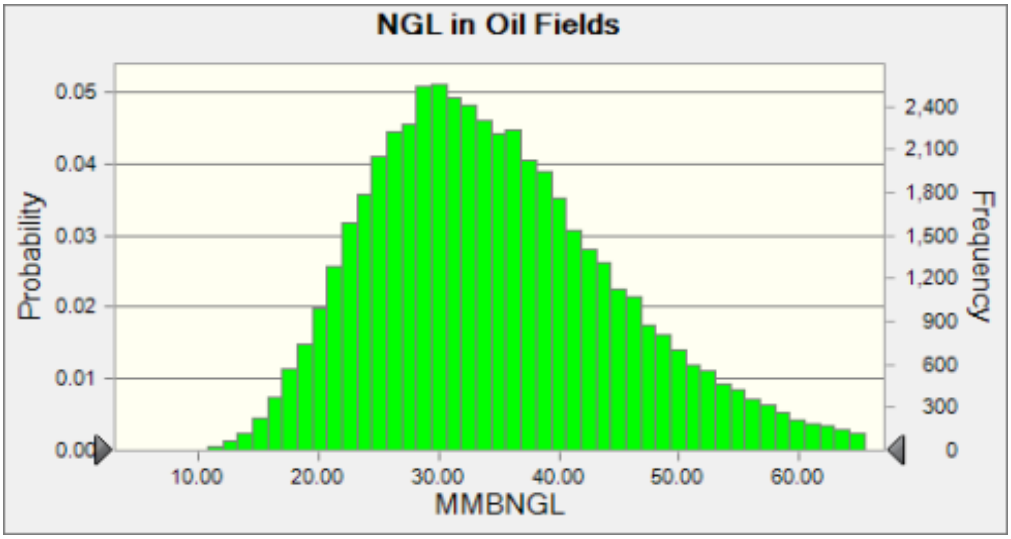
Statistics:	Forecast values
Trials	50,000
Mean	3,985.82
Median	3,820.99
Mode	---
Standard Deviation	1,223.47
Variance	1,496,876.93
Skewness	0.8132
Kurtosis	3.92
Coefficient of Variability	0.3070
Minimum	51.14
Maximum	10,415.02
Range Width	10,363.89
Mean Standard Error	5.47

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	51.14
95%	2,298.14
90%	2,575.84
85%	2,779.49
80%	2,948.56
75%	3,107.03
70%	3,252.95
65%	3,394.28
60%	3,529.90
55%	3,671.52
50%	3,820.99
45%	3,971.62
40%	4,126.25
35%	4,290.31
30%	4,476.00
25%	4,679.01
20%	4,924.34
15%	5,223.72
10%	5,619.09
5%	6,263.63
0%	10,415.02

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.55 to 92.07
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.05



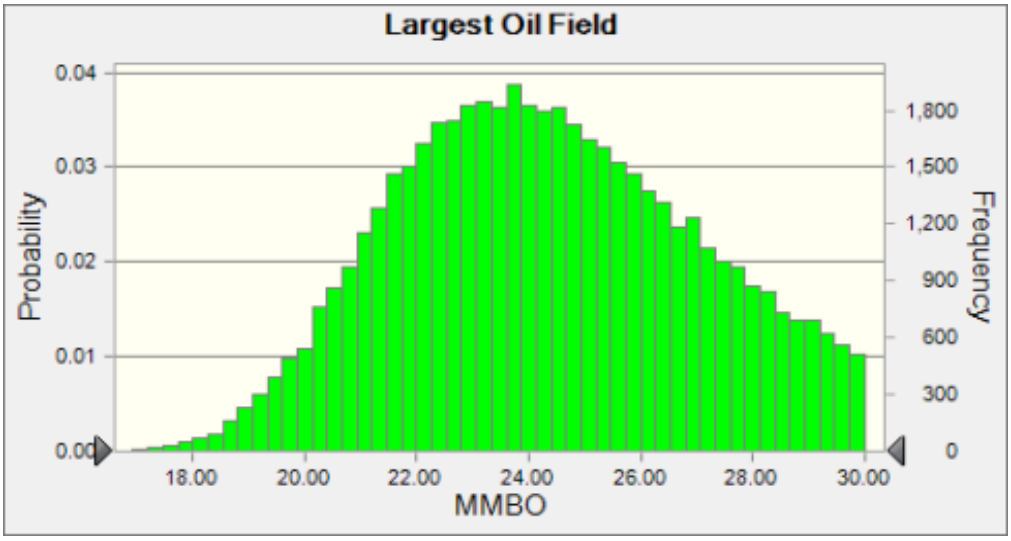
Statistics:	Forecast values
Trials	50,000
Mean	34.99
Median	33.51
Mode	---
Standard Deviation	10.86
Variance	117.84
Skewness	0.8048
Kurtosis	3.90
Coefficient of Variability	0.3103
Minimum	0.55
Maximum	92.07
Range Width	91.51
Mean Standard Error	0.05

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.55
95%	20.01
90%	22.44
85%	24.27
80%	25.78
75%	27.18
70%	28.52
65%	29.71
60%	30.93
55%	32.22
50%	33.51
45%	34.86
40%	36.27
35%	37.74
30%	39.33
25%	41.20
20%	43.33
15%	45.98
10%	49.49
5%	55.18
0%	92.07

Forecast: Largest Oil Field

Summary:
Entire range is from 10.66 to 30.00
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.01



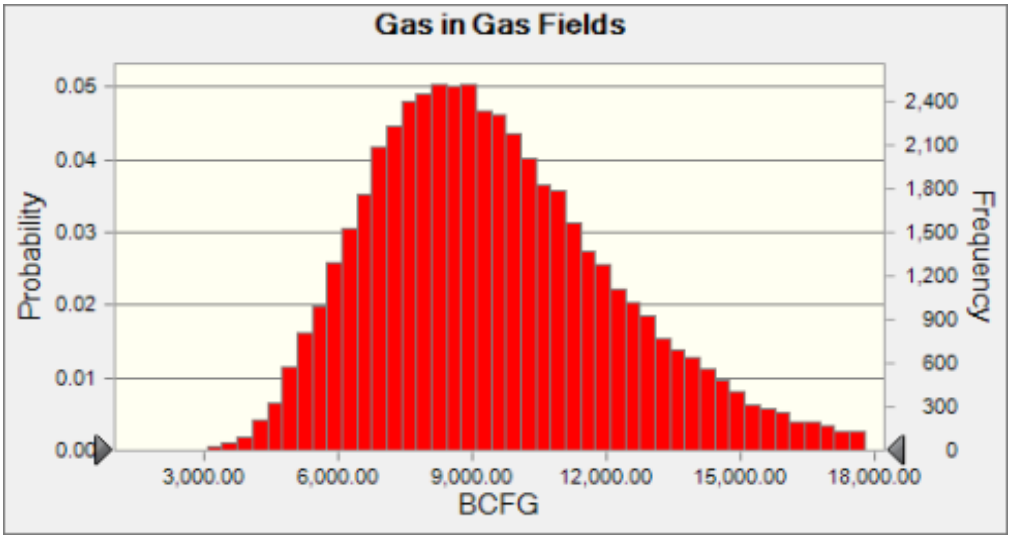
Statistics:	Forecast values
Trials	50,000
Mean	24.30
Median	24.17
Mode	---
Standard Deviation	2.63
Variance	6.94
Skewness	0.0956
Kurtosis	2.35
Coefficient of Variability	0.1084
Minimum	10.66
Maximum	30.00
Range Width	19.34
Mean Standard Error	0.01

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	10.66
95%	20.17
90%	20.93
85%	21.47
80%	21.92
75%	22.34
70%	22.72
65%	23.09
60%	23.45
55%	23.80
50%	24.17
45%	24.54
40%	24.91
35%	25.32
30%	25.76
25%	26.22
20%	26.75
15%	27.33
10%	28.02
5%	28.89
0%	30.00

Forecast: Gas in Gas Fields

Summary:
Entire range is from 300.43 to 24,762.87
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 13.04



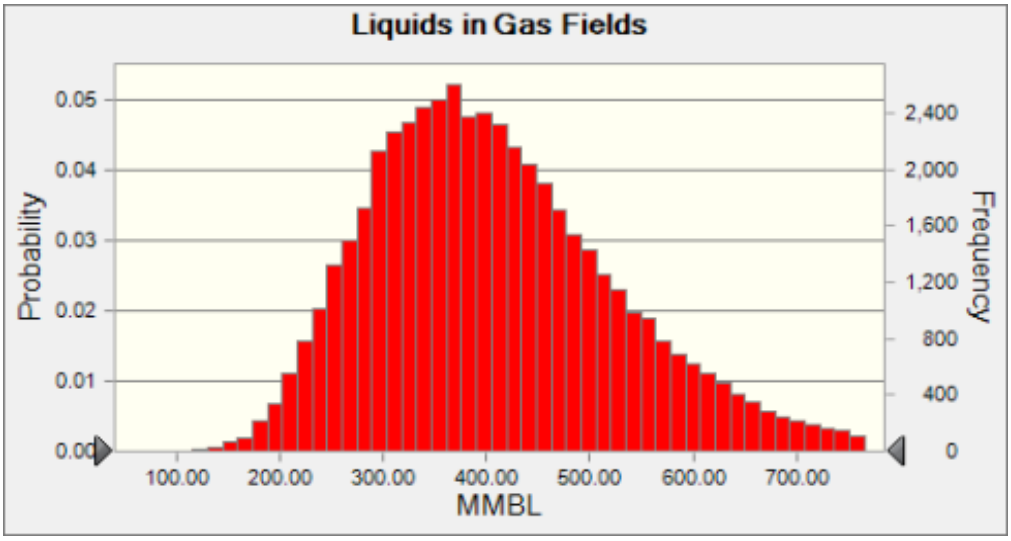
Statistics:	Forecast values
Trials	50,000
Mean	9,592.53
Median	9,182.29
Mode	---
Standard Deviation	2,916.40
Variance	8,505,380.63
Skewness	0.8417
Kurtosis	4.01
Coefficient of Variability	0.3040
Minimum	300.43
Maximum	24,762.87
Range Width	24,462.44
Mean Standard Error	13.04

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	300.43
95%	5,573.24
90%	6,237.93
85%	6,730.22
80%	7,131.54
75%	7,501.29
70%	7,850.51
65%	8,179.85
60%	8,509.97
55%	8,846.51
50%	9,182.16
45%	9,541.16
40%	9,896.04
35%	10,300.61
30%	10,754.61
25%	11,230.62
20%	11,814.28
15%	12,534.24
10%	13,494.87
5%	14,962.15
0%	24,762.87

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 15.45 to 1,055.35
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.56



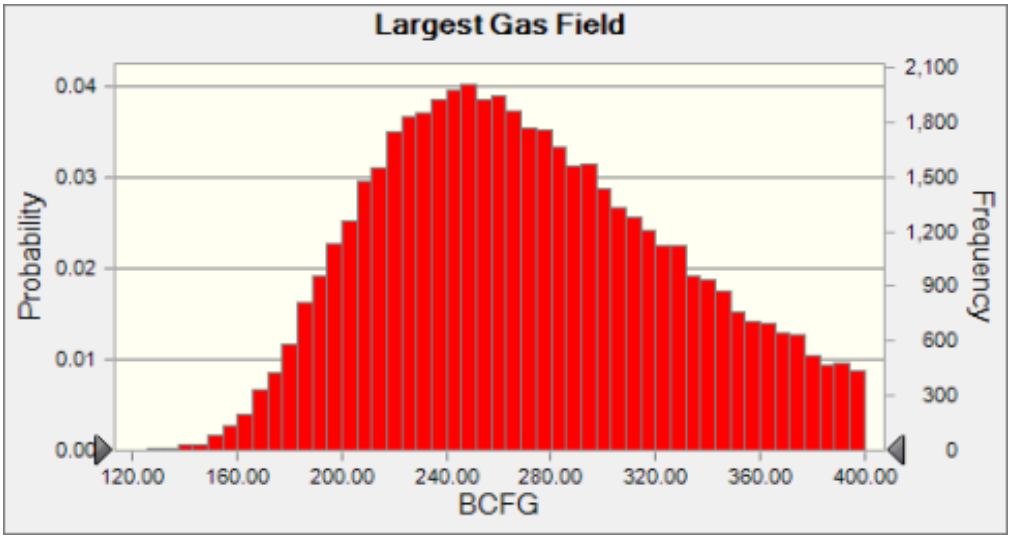
Statistics:	Forecast values
Trials	50,000
Mean	411.76
Median	394.41
Mode	---
Standard Deviation	126.26
Variance	15,942.84
Skewness	0.8392
Kurtosis	4.01
Coefficient of Variability	0.3066
Minimum	15.45
Maximum	1,055.35
Range Width	1,039.90
Mean Standard Error	0.56

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	15.45
95%	238.34
90%	266.43
85%	288.13
80%	305.08
75%	320.83
70%	336.39
65%	350.83
60%	365.14
55%	379.19
50%	394.41
45%	409.67
40%	425.53
35%	442.60
30%	461.49
25%	483.12
20%	507.98
15%	539.09
10%	580.25
5%	645.09
0%	1,055.35

Forecast: Largest Gas Field

Summary:
Entire range is from 119.94 to 400.00
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.25



Statistics:	Forecast values
Trials	50,000
Mean	270.68
Median	265.10
Mode	---
Standard Deviation	55.64
Variance	3,095.77
Skewness	0.2786
Kurtosis	2.37
Coefficient of Variability	0.2056
Minimum	119.94
Maximum	400.00
Range Width	280.06
Mean Standard Error	0.25

Forecast: Largest Gas Field (continued)

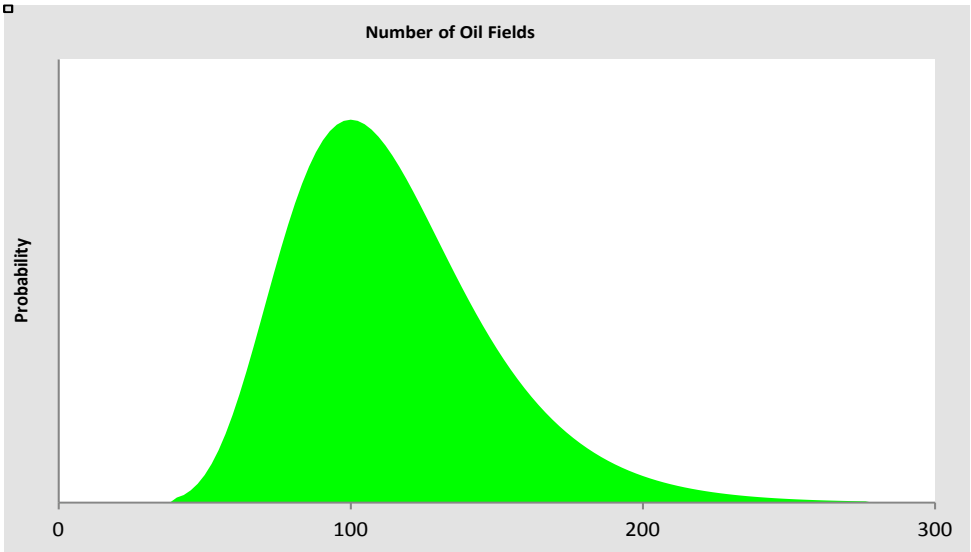
Percentiles:	BCFG
100%	119.94
95%	187.40
90%	201.07
85%	211.45
80%	220.38
75%	228.26
70%	235.82
65%	243.15
60%	250.40
55%	257.77
50%	265.10
45%	273.11
40%	281.27
35%	290.16
30%	299.35
25%	310.05
20%	321.70
15%	334.98
10%	351.14
5%	371.77
0%	400.00

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	113.96	114.96
Standard Deviation	34.77	34.77
Selected range is from -Infinity to 274.00		1.00 to 275.00



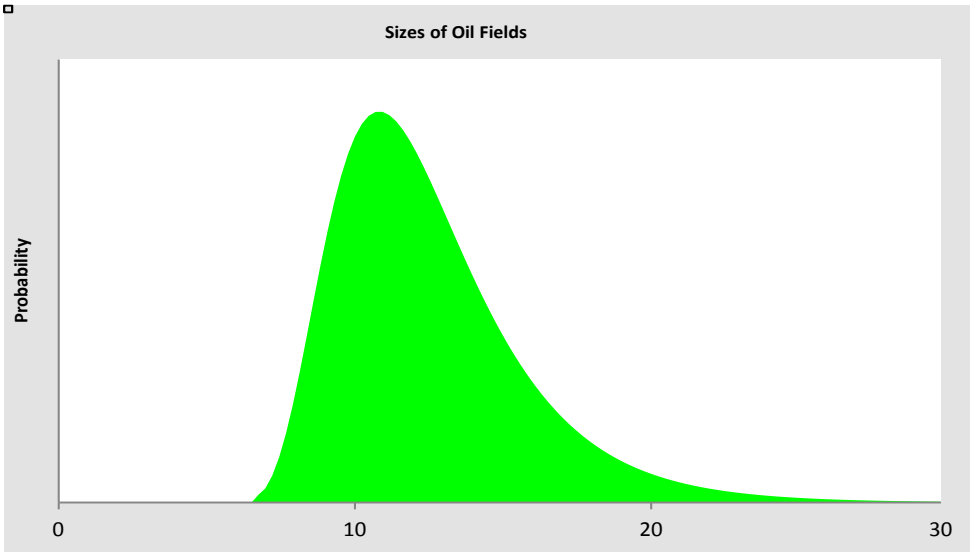
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	114.99	114.77
Median	110.09	109.96
Mode	---	---
Standard Deviation	34.26	34.28
Variance	1,173.95	1,175.17
Skewness	0.8365	0.8356
Kurtosis	3.94	3.96
Coefficient of Variability	0.2980	0.2987
Minimum	32.58	1.00
Maximum	274.53	275.00
Range Width	241.95	274.00
Mean Standard Error	0.15	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	32.58	1.00
95%	67.99	67.72
90%	75.60	75.36
85%	81.27	81.00
80%	86.00	85.78
75%	90.25	90.11
70%	94.26	94.19
65%	98.31	98.14
60%	102.16	102.03
55%	106.17	105.95
50%	110.09	109.96
45%	114.40	114.12
40%	118.84	118.50
35%	123.44	123.21
30%	128.56	128.38
25%	134.20	134.20
20%	141.23	140.99
15%	149.43	149.33
10%	161.04	160.51
5%	179.16	178.56
0%	274.53	275.00

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



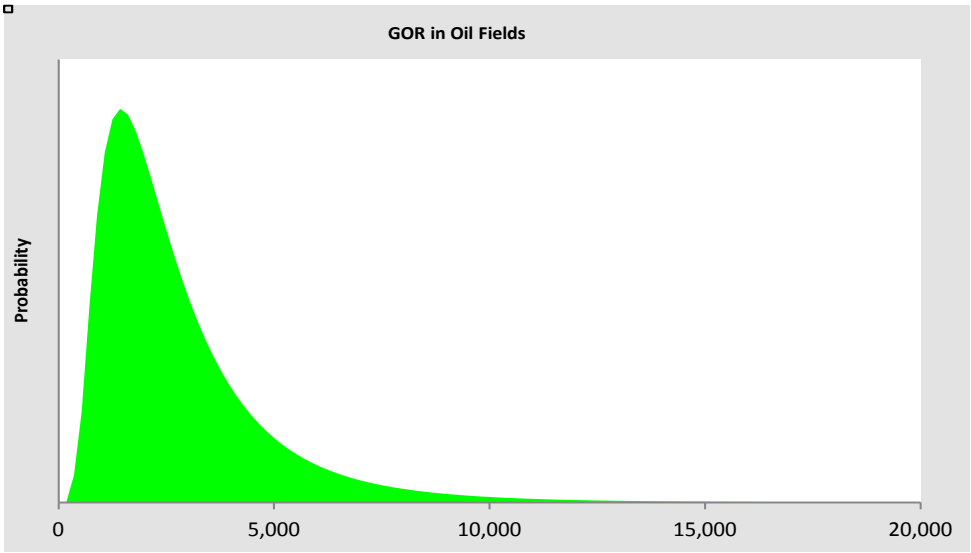
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	12.58	12.60
Median	11.99	12.00
Mode	---	---
Standard Deviation	3.19	3.21
Variance	10.15	10.32
Skewness	1.17	1.19
Kurtosis	5.05	5.06
Coefficient of Variability	0.2534	0.2549
Minimum	5.91	5.00
Maximum	29.91	30.00
Range Width	24.01	25.00
Mean Standard Error	0.01	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.91	5.00
95%	8.55	8.55
90%	9.10	9.13
85%	9.55	9.57
80%	9.94	9.95
75%	10.30	10.30
70%	10.64	10.64
65%	10.96	10.97
60%	11.29	11.30
55%	11.63	11.64
50%	11.99	12.00
45%	12.35	12.37
40%	12.75	12.77
35%	13.18	13.20
30%	13.67	13.68
25%	14.22	14.23
20%	14.86	14.89
15%	15.66	15.71
10%	16.80	16.84
5%	18.62	18.73
0%	29.91	30.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	100
Mean	2,670.85	2,770.85
Standard Deviation	2,098.89	2,098.89
Selected range is from -Infinity to 17,900.00		100.00 to 18,000.00



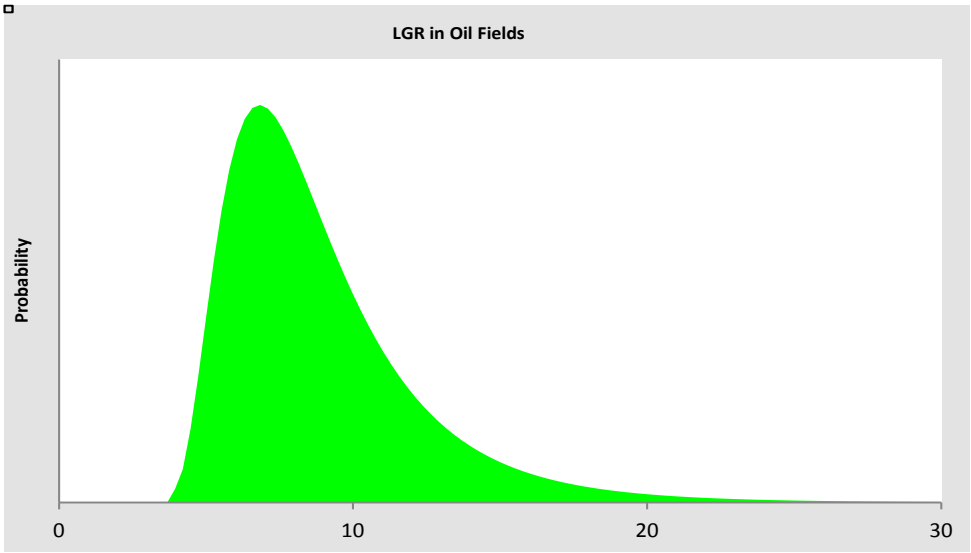
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2,751.86	2,751.39
Median	2,201.33	2,198.17
Mode	---	---
Standard Deviation	2,009.76	2,002.32
Variance	4,039,133.36	4,009,303.69
Skewness	2.22	2.19
Kurtosis	10.41	10.23
Coefficient of Variability	0.7303	0.7278
Minimum	202.96	100.00
Maximum	17,953.81	18,000.00
Range Width	17,750.85	17,900.00
Mean Standard Error	8.99	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	202.96	100.00
95%	771.84	770.94
90%	965.53	963.13
85%	1,129.61	1,123.00
80%	1,274.90	1,270.92
75%	1,418.39	1,414.75
70%	1,562.06	1,558.89
65%	1,710.38	1,706.52
60%	1,864.50	1,860.37
55%	2,028.00	2,023.23
50%	2,201.33	2,198.17
45%	2,386.39	2,389.00
40%	2,591.14	2,600.65
35%	2,837.29	2,839.93
30%	3,102.93	3,116.82
25%	3,433.29	3,446.95
20%	3,838.38	3,856.95
15%	4,371.74	4,398.05
10%	5,160.85	5,189.22
5%	6,654.60	6,629.11
0%	17,953.81	18,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	3
Mean	5.80	8.8
Standard Deviation	3.42	3.42
Selected range is from -Infinity to 27.00		3.00 to 30.00



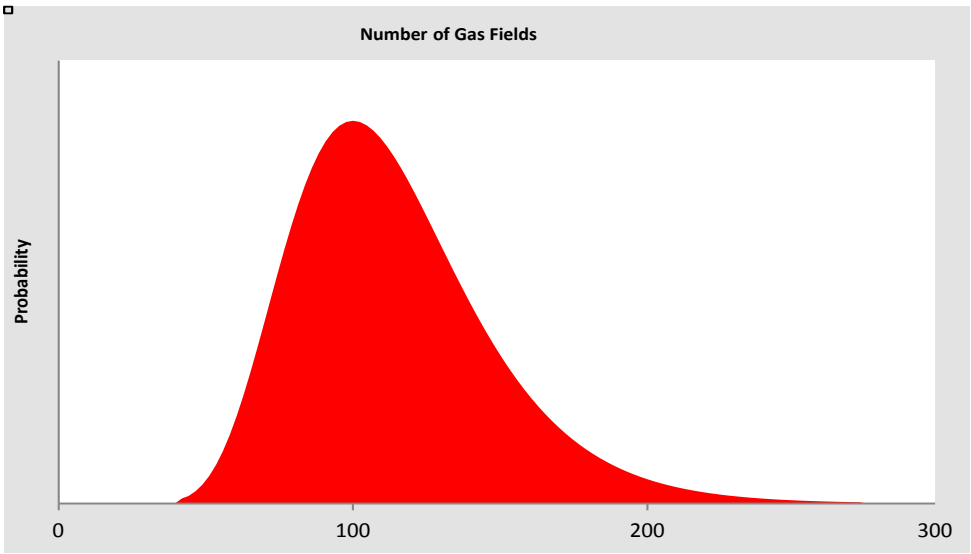
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	8.81	8.78
Median	8.02	8.00
Mode	---	---
Standard Deviation	3.33	3.32
Variance	11.08	10.99
Skewness	1.65	1.64
Kurtosis	7.13	7.02
Coefficient of Variability	0.3781	0.3778
Minimum	3.61	3.00
Maximum	29.91	30.00
Range Width	26.31	27.00
Mean Standard Error	0.01	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	3.61	3.00
95%	5.04	5.04
90%	5.50	5.48
85%	5.86	5.84
80%	6.17	6.16
75%	6.48	6.46
70%	6.77	6.75
65%	7.07	7.05
60%	7.37	7.35
55%	7.68	7.67
50%	8.02	8.00
45%	8.39	8.35
40%	8.78	8.74
35%	9.22	9.16
30%	9.69	9.65
25%	10.26	10.22
20%	10.94	10.90
15%	11.81	11.79
10%	13.08	13.03
5%	15.24	15.21
0%	29.91	30.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	113.96	114.96
Standard Deviation	34.77	34.77
Selected range is from -Infinity to 274.00		1.00 to 275.00



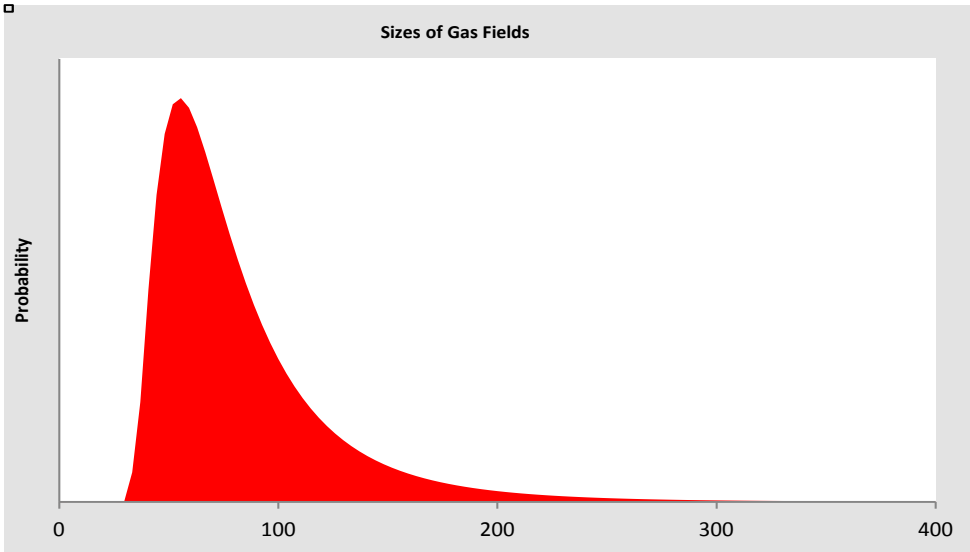
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	114.98	114.77
Median	110.08	109.96
Mode	---	---
Standard Deviation	34.51	34.28
Variance	1,190.77	1,175.17
Skewness	0.8485	0.8356
Kurtosis	4.01	3.96
Coefficient of Variability	0.3001	0.2987
Minimum	33.69	1.00
Maximum	274.74	275.00
Range Width	241.04	274.00
Mean Standard Error	0.15	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	33.69	1.00
95%	67.56	67.72
90%	75.27	75.36
85%	80.98	81.00
80%	85.85	85.78
75%	90.24	90.11
70%	94.25	94.19
65%	98.16	98.14
60%	102.17	102.03
55%	106.09	105.95
50%	110.07	109.96
45%	114.33	114.12
40%	118.71	118.50
35%	123.39	123.21
30%	128.71	128.38
25%	134.51	134.20
20%	141.37	140.99
15%	149.66	149.33
10%	160.98	160.51
5%	178.81	178.56
0%	274.74	275.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	53.82	83.82
Standard Deviation	43.12	43.12
Selected range is from -Infinity to 370.00		30.00 to 400.00



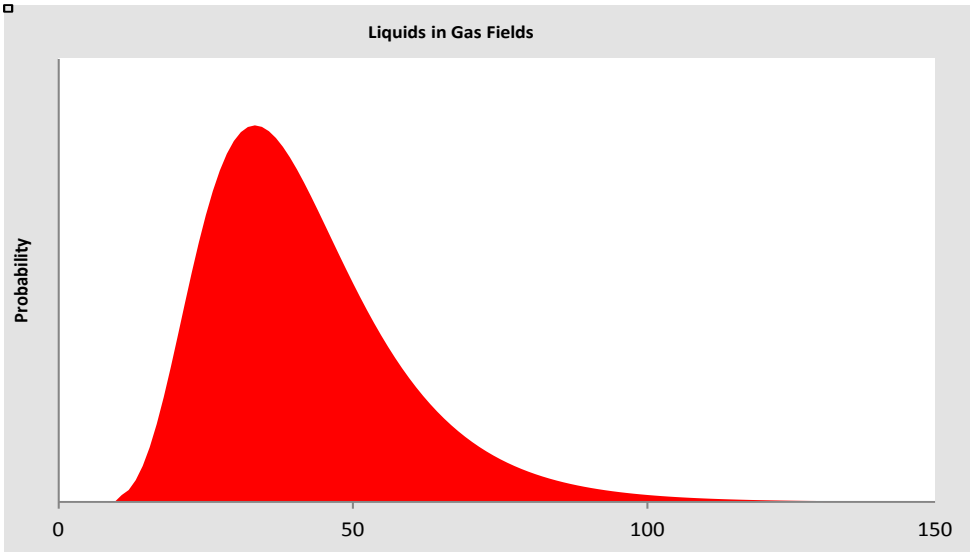
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	83.29	83.41
Median	71.73	71.96
Mode	---	---
Standard Deviation	41.10	41.07
Variance	1,689.28	1,686.89
Skewness	2.22	2.23
Kurtosis	10.38	10.52
Coefficient of Variability	0.4934	0.4924
Minimum	31.82	30.00
Maximum	399.88	400.00
Range Width	368.05	370.00
Mean Standard Error	0.18	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	31.82	30.00
95%	43.01	43.19
90%	46.93	47.03
85%	50.14	50.23
80%	53.08	53.21
75%	56.02	56.11
70%	58.88	59.01
65%	61.78	62.00
60%	64.89	65.11
55%	68.24	68.41
50%	71.73	71.96
45%	75.58	75.84
40%	79.82	80.15
35%	84.71	85.02
30%	90.61	90.67
25%	97.33	97.42
20%	105.81	105.81
15%	116.79	116.91
10%	132.95	133.18
5%	163.53	162.88
0%	399.88	400.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	42.03	43.03
Standard Deviation	16.90	16.9
Selected range is from -Infinity to 129.00		1.00 to 130.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	43.09	42.93
Median	40.16	39.98
Mode	---	---
Standard Deviation	16.67	16.59
Variance	277.78	275.24
Skewness	1.12	1.11
Kurtosis	4.81	4.78
Coefficient of Variability	0.3868	0.3864
Minimum	7.44	1.00
Maximum	129.36	130.00
Range Width	121.91	129.00
Mean Standard Error	0.07	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.44	1.00
95%	21.75	21.63
90%	24.87	24.74
85%	27.24	27.10
80%	29.24	29.15
75%	31.08	31.03
70%	32.93	32.82
65%	34.77	34.58
60%	36.51	36.34
55%	38.26	38.13
50%	40.16	39.98
45%	42.07	41.92
40%	44.08	43.99
35%	46.37	46.24
30%	48.84	48.74
25%	51.72	51.59
20%	55.05	54.96
15%	59.28	59.17
10%	65.17	64.93
5%	74.86	74.46
0%	129.36	130.00

End of Assumptions

Simulation started on 10/17/2011 at 4:00 PM
Simulation stopped on 10/17/2011 at 4:22 PM