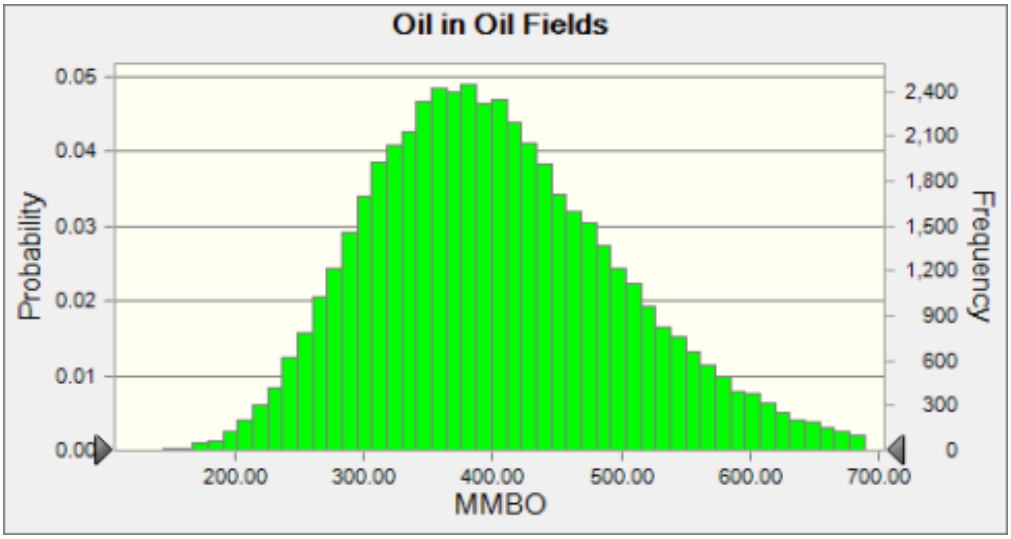
80430102
Cambay Delta
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 2.67 to 916.37
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.45



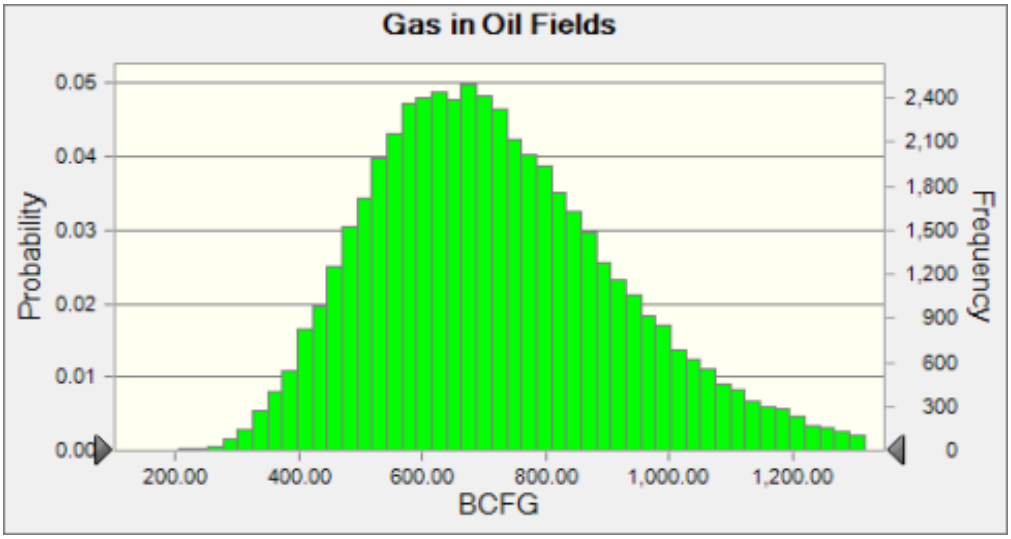
Statistics:	Forecast values
Trials	50,000
Mean	404.77
Median	393.89
Mode	---
Standard Deviation	101.42
Variance	10,286.59
Skewness	0.6316
Kurtosis	3.56
Coefficient of Variability	0.2506
Minimum	2.67
Maximum	916.37
Range Width	913.70
Mean Standard Error	0.45

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	2.67
95%	258.51
90%	284.25
85%	303.07
80%	318.24
75%	332.47
70%	345.54
65%	357.67
60%	369.82
55%	381.71
50%	393.89
45%	406.12
40%	419.02
35%	433.01
30%	448.48
25%	465.91
20%	485.32
15%	509.04
10%	540.15
5%	588.00
0%	916.37

Forecast: Gas in Oil Fields

Summary:
Entire range is from 5.19 to 2,207.61
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.95



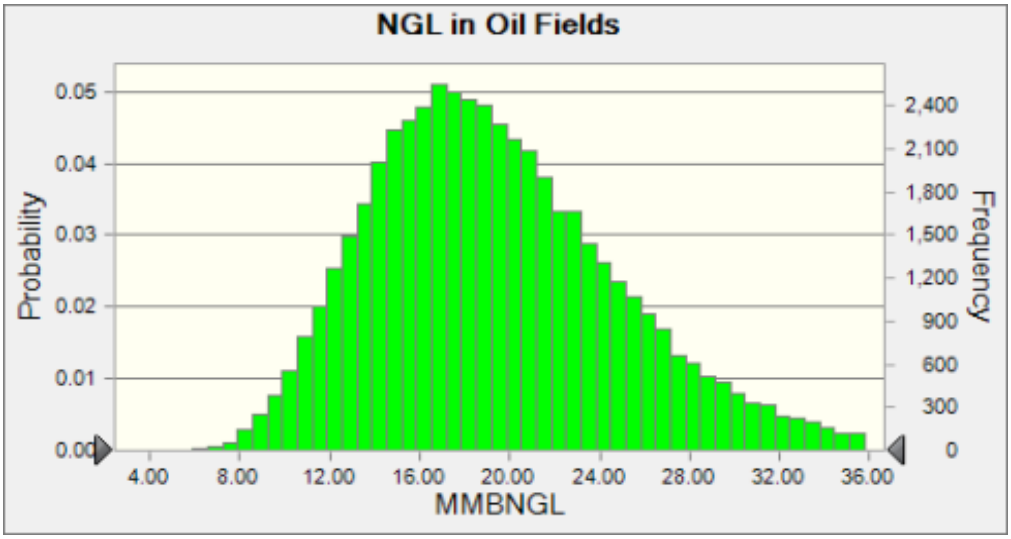
Statistics:	Forecast values
Trials	50,000
Mean	723.56
Median	697.00
Mode	---
Standard Deviation	211.52
Variance	44,740.28
Skewness	0.7972
Kurtosis	4.08
Coefficient of Variability	0.2923
Minimum	5.19
Maximum	2,207.61
Range Width	2,202.43
Mean Standard Error	0.95

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	5.19
95%	427.03
90%	477.40
85%	514.26
80%	544.57
75%	572.28
70%	598.00
65%	622.62
60%	647.97
55%	672.48
50%	696.99
45%	722.90
40%	749.25
35%	778.76
30%	810.11
25%	845.61
20%	886.10
15%	936.51
10%	1,002.41
5%	1,110.90
0%	2,207.61

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.10 to 57.19
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.03



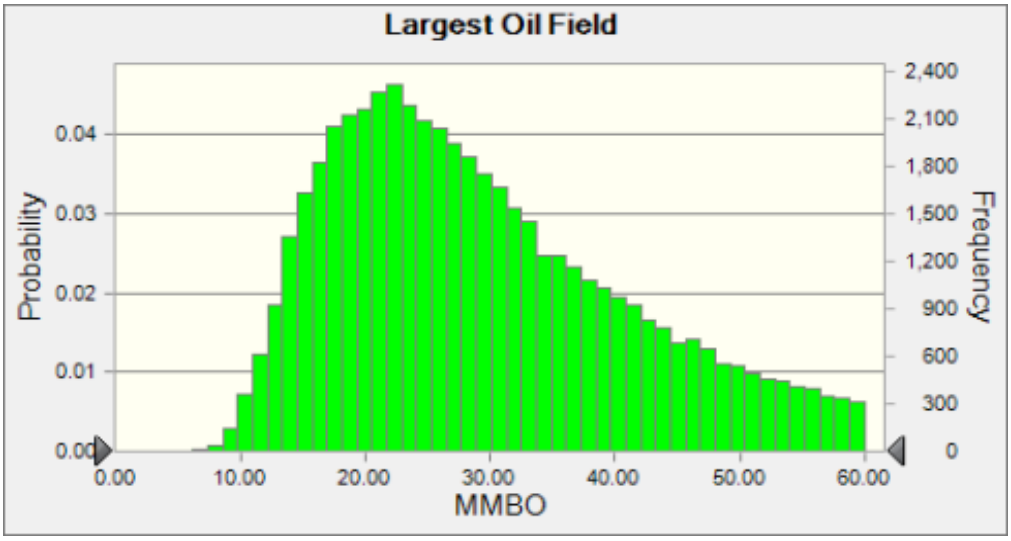
Statistics:	Forecast values
Trials	50,000
Mean	19.50
Median	18.74
Mode	---
Standard Deviation	5.81
Variance	33.73
Skewness	0.8305
Kurtosis	4.21
Coefficient of Variability	0.2978
Minimum	0.10
Maximum	57.19
Range Width	57.09
Mean Standard Error	0.03

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.10
95%	11.40
90%	12.77
85%	13.78
80%	14.61
75%	15.35
70%	16.06
65%	16.75
60%	17.40
55%	18.05
50%	18.74
45%	19.47
40%	20.20
35%	20.99
30%	21.85
25%	22.84
20%	23.96
15%	25.34
10%	27.12
5%	30.13
0%	57.19

Forecast: Largest Oil Field

Summary:
Entire range is from 1.35 to 59.99
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.05



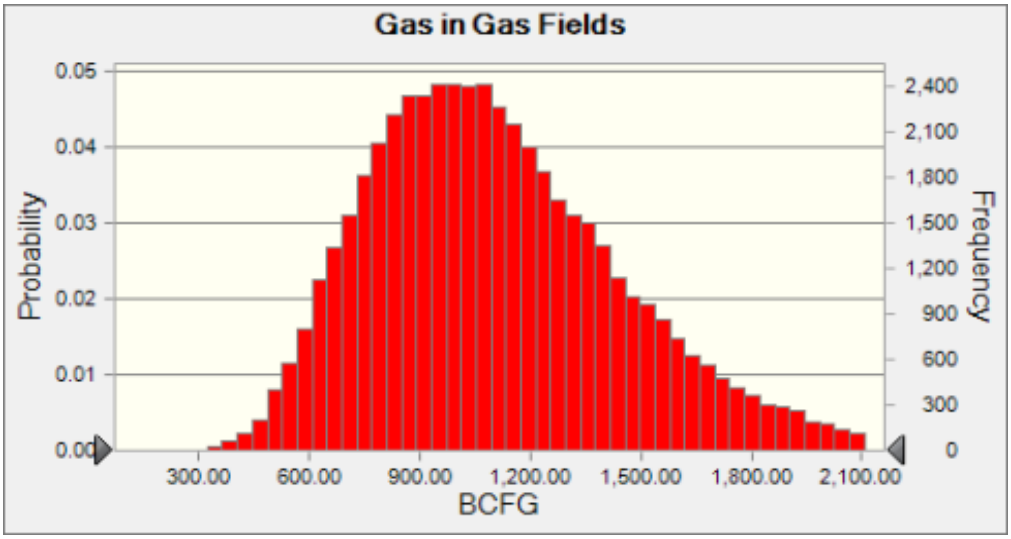
Statistics:	Forecast values
Trials	50,000
Mean	29.17
Median	27.00
Mode	---
Standard Deviation	11.65
Variance	135.62
Skewness	0.6342
Kurtosis	2.65
Coefficient of Variability	0.3992
Minimum	1.35
Maximum	59.99
Range Width	58.63
Mean Standard Error	0.05

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	1.35
95%	13.69
90%	15.67
85%	17.28
80%	18.68
75%	20.09
70%	21.43
65%	22.72
60%	24.07
55%	25.51
50%	27.00
45%	28.59
40%	30.26
35%	32.15
30%	34.23
25%	36.70
20%	39.44
15%	42.65
10%	46.68
5%	52.16
0%	59.99

Forecast: Gas in Gas Fields

Summary:
Entire range is from 18.07 to 3,501.08
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.58



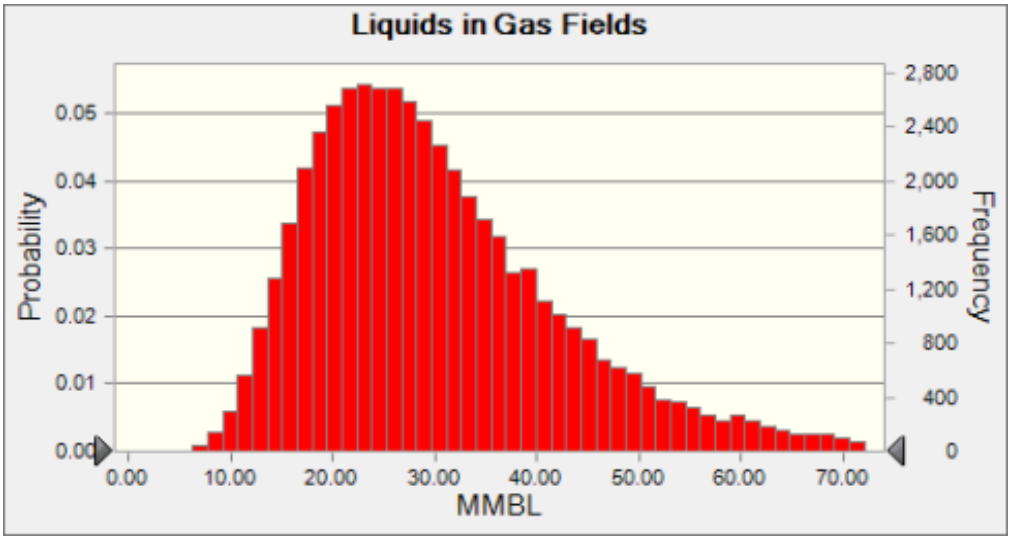
Statistics:	Forecast values
Trials	50,000
Mean	1,113.85
Median	1,068.14
Mode	---
Standard Deviation	354.35
Variance	125,566.39
Skewness	0.7587
Kurtosis	3.78
Coefficient of Variability	0.3181
Minimum	18.07
Maximum	3,501.08
Range Width	3,483.01
Mean Standard Error	1.58

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	18.07
95%	620.52
90%	699.40
85%	759.02
80%	809.71
75%	855.77
70%	898.90
65%	941.10
60%	983.66
55%	1,025.25
50%	1,068.13
45%	1,110.52
40%	1,156.46
35%	1,206.46
30%	1,260.73
25%	1,323.97
20%	1,392.30
15%	1,479.25
10%	1,589.33
5%	1,769.17
0%	3,501.08

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 0.40 to 291.65
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.07



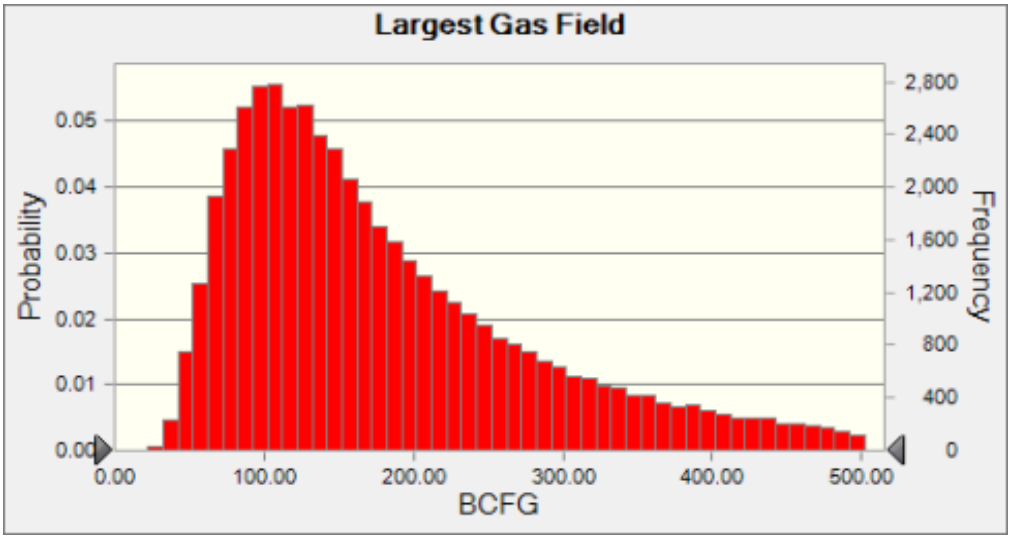
Statistics:	Forecast values
Trials	50,000
Mean	31.01
Median	28.03
Mode	---
Standard Deviation	14.66
Variance	215.06
Skewness	2.16
Kurtosis	13.73
Coefficient of Variability	0.4729
Minimum	0.40
Maximum	291.65
Range Width	291.25
Mean Standard Error	0.07

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	0.40
95%	14.25
90%	16.56
85%	18.27
80%	19.78
75%	21.20
70%	22.57
65%	23.91
60%	25.27
55%	26.64
50%	28.03
45%	29.51
40%	31.12
35%	32.92
30%	34.94
25%	37.24
20%	39.97
15%	43.50
10%	48.43
5%	57.52
0%	291.65

Forecast: Largest Gas Field

Summary:
Entire range is from 11.30 to 599.99
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.50



Statistics:	Forecast values
Trials	50,000
Mean	186.26
Median	153.76
Mode	---
Standard Deviation	112.83
Variance	12,729.65
Skewness	1.30
Kurtosis	4.38
Coefficient of Variability	0.6057
Minimum	11.30
Maximum	599.99
Range Width	588.69
Mean Standard Error	0.50

Forecast: Largest Gas Field (continued)

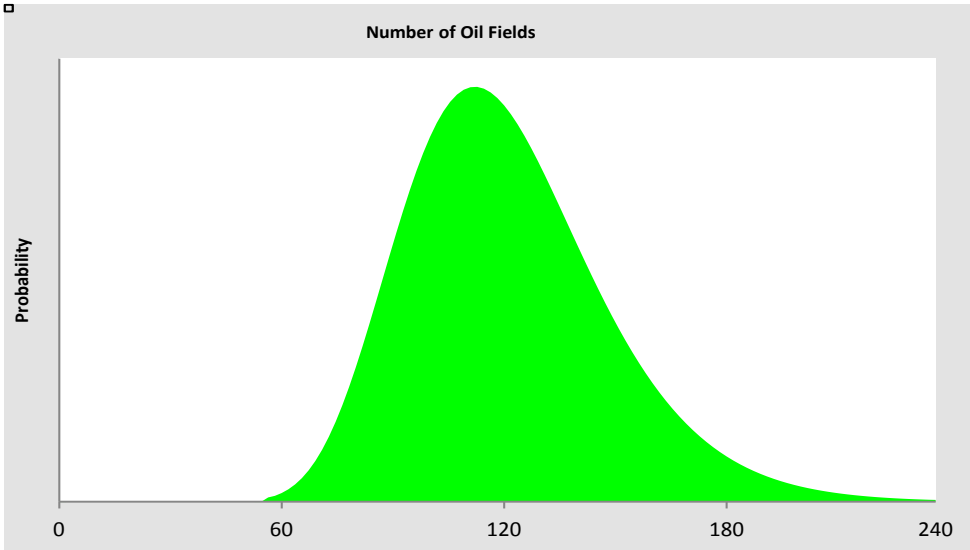
Percentiles:	BCFG
100%	11.30
95%	62.73
90%	75.13
85%	85.46
80%	94.75
75%	103.61
70%	112.83
65%	122.46
60%	132.08
55%	142.55
50%	153.75
45%	166.15
40%	180.51
35%	196.68
30%	215.65
25%	237.74
20%	265.21
15%	300.68
10%	350.39
5%	428.03
0%	599.99

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	122.07	123.07
Standard Deviation	27.90	27.9
Selected range is from -Infinity to 239.00		1.00 to 240.00



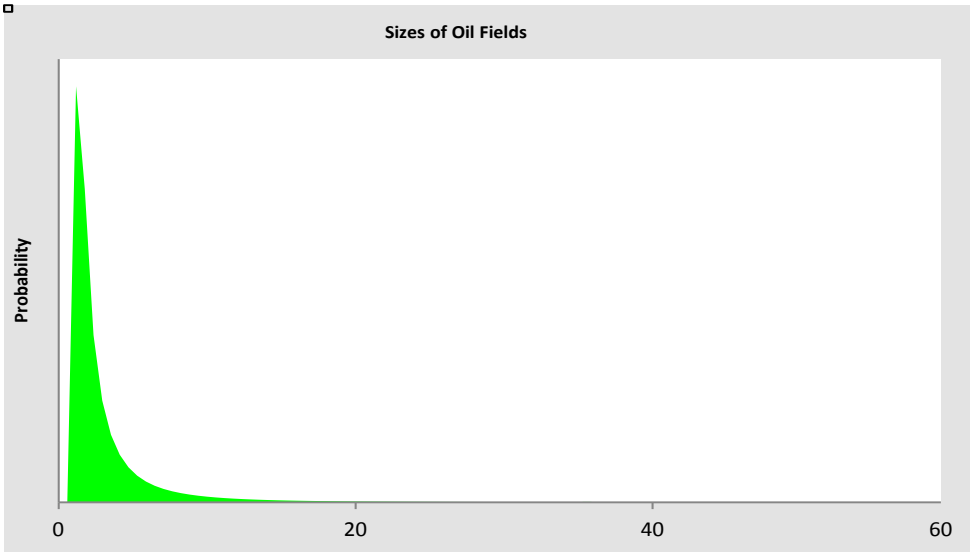
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	122.77	122.94
Median	119.86	119.97
Mode	---	---
Standard Deviation	27.51	27.59
Variance	757.06	761.46
Skewness	0.6341	0.6197
Kurtosis	3.53	3.48
Coefficient of Variability	0.2241	0.2245
Minimum	45.42	1.00
Maximum	238.97	240.00
Range Width	193.54	239.00
Mean Standard Error	0.12	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	45.42	1.00
95%	83.03	83.09
90%	90.11	90.10
85%	95.08	95.17
80%	99.35	99.40
75%	103.12	103.18
70%	106.59	106.70
65%	109.92	110.07
60%	113.23	113.36
55%	116.48	116.64
50%	119.86	119.97
45%	123.24	123.38
40%	126.77	126.96
35%	130.55	130.76
30%	134.67	134.89
25%	139.04	139.49
20%	144.38	144.80
15%	150.81	151.23
10%	159.44	159.73
5%	172.97	173.13
0%	238.97	240.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	2.39	3.39
Standard Deviation	5.18	5.18
Selected range is from -Infinity to 59.00		1.00 to 60.00



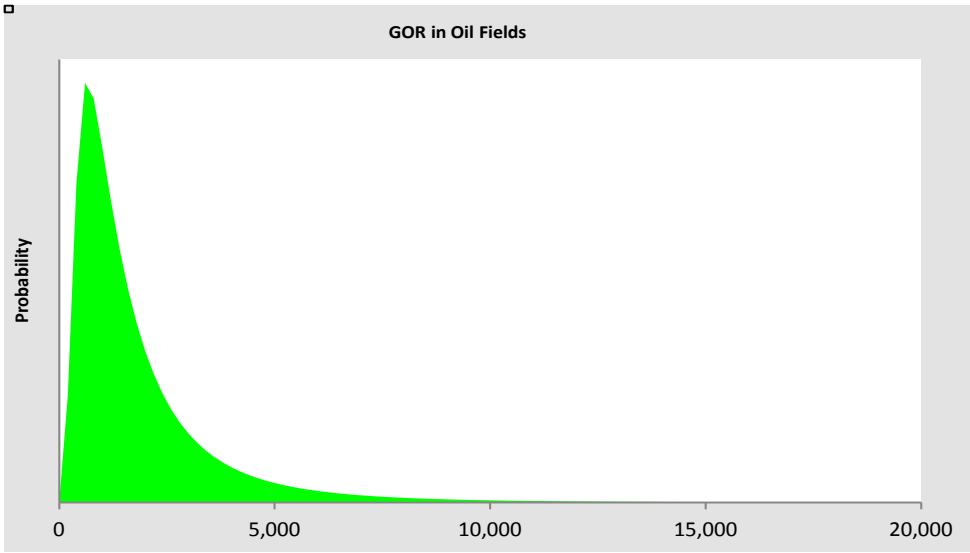
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	3.30	3.30
Median	1.99	2.00
Mode	---	---
Standard Deviation	4.03	4.08
Variance	16.22	16.67
Skewness	5.12	5.29
Kurtosis	41.31	43.91
Coefficient of Variability	1.22	1.24
Minimum	1.01	1.00
Maximum	59.29	60.00
Range Width	58.29	59.00
Mean Standard Error	0.02	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.01	1.00
95%	1.11	1.11
90%	1.18	1.18
85%	1.25	1.25
80%	1.33	1.33
75%	1.41	1.41
70%	1.50	1.50
65%	1.60	1.60
60%	1.71	1.71
55%	1.84	1.85
50%	1.99	2.00
45%	2.17	2.18
40%	2.39	2.39
35%	2.66	2.66
30%	3.00	2.99
25%	3.43	3.43
20%	4.03	4.02
15%	4.93	4.91
10%	6.40	6.39
5%	9.71	9.66
0%	59.29	60.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	44
Mean	1,768.06	1,812.06
Standard Deviation	2,046.12	2,046.12
Selected range is from -Infinity to 19,956.00		44.00 to 20,000.00



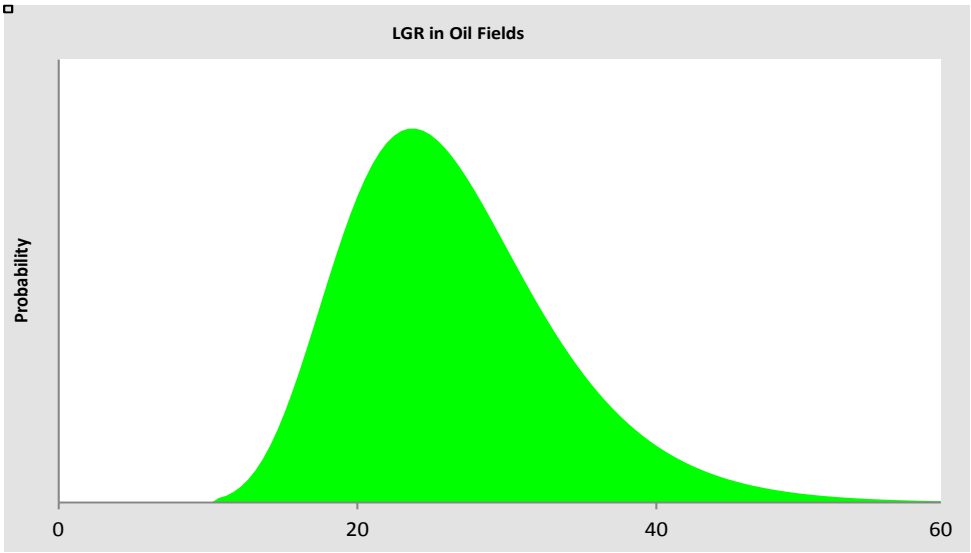
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,787.34	1,787.14
Median	1,190.82	1,198.66
Mode	---	---
Standard Deviation	1,871.99	1,871.75
Variance	3,504,355.90	3,503,429.60
Skewness	3.12	3.17
Kurtosis	17.65	18.14
Coefficient of Variability	1.05	1.05
Minimum	58.79	44.00
Maximum	19,930.39	20,000.00
Range Width	19,871.60	19,956.00
Mean Standard Error	8.37	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	58.79	44.00
95%	293.53	297.65
90%	396.63	398.52
85%	489.85	488.38
80%	573.17	575.76
75%	659.65	664.30
70%	752.36	756.30
65%	846.47	853.68
60%	951.42	958.35
55%	1,066.07	1,072.47
50%	1,190.81	1,198.66
45%	1,332.00	1,340.32
40%	1,495.69	1,502.03
35%	1,692.54	1,690.35
30%	1,919.00	1,915.12
25%	2,196.84	2,192.09
20%	2,543.29	2,548.76
15%	3,047.06	3,039.35
10%	3,817.22	3,793.67
5%	5,315.26	5,265.92
0%	19,930.39	20,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	25.98	26.98
Standard Deviation	7.36	7.36
Selected range is from -Infinity to 59.00		1.00 to 60.00



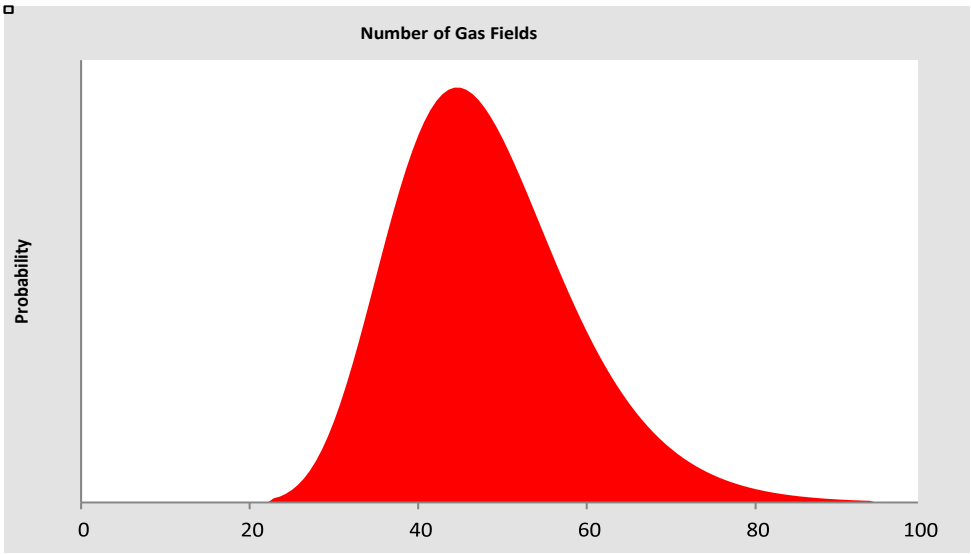
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.92	26.95
Median	25.96	25.99
Mode	---	---
Standard Deviation	7.29	7.27
Variance	53.18	52.79
Skewness	0.7858	0.7743
Kurtosis	3.85	3.81
Coefficient of Variability	0.2709	0.2696
Minimum	9.03	1.00
Maximum	59.72	60.00
Range Width	50.69	59.00
Mean Standard Error	0.03	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	9.03	1.00
95%	16.80	16.83
90%	18.43	18.51
85%	19.70	19.74
80%	20.75	20.78
75%	21.69	21.72
70%	22.55	22.60
65%	23.43	23.46
60%	24.25	24.29
55%	25.08	25.13
50%	25.96	25.99
45%	26.86	26.88
40%	27.79	27.81
35%	28.79	28.81
30%	29.91	29.91
25%	31.13	31.13
20%	32.52	32.56
15%	34.30	34.31
10%	36.61	36.64
5%	40.38	40.39
0%	59.72	60.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	47.21	48.21
Standard Deviation	10.90	10.9
Selected range is from -Infinity to 93.00		1.00 to 94.00



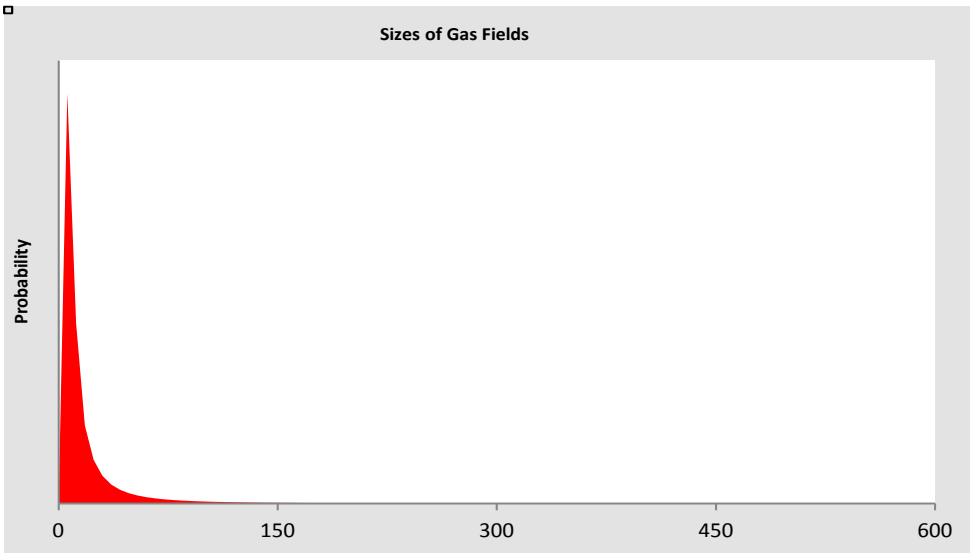
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	48.16	48.16
Median	46.99	46.99
Mode	---	---
Standard Deviation	10.77	10.78
Variance	115.89	116.10
Skewness	0.6075	0.6260
Kurtosis	3.45	3.49
Coefficient of Variability	0.2236	0.2237
Minimum	17.44	1.00
Maximum	93.98	94.00
Range Width	76.55	93.00
Mean Standard Error	0.05	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	17.44	1.00
95%	32.59	32.62
90%	35.29	35.35
85%	37.30	37.32
80%	38.99	38.97
75%	40.42	40.44
70%	41.81	41.81
65%	43.11	43.13
60%	44.43	44.41
55%	45.69	45.69
50%	46.99	46.99
45%	48.37	48.32
40%	49.75	49.72
35%	51.22	51.20
30%	52.87	52.81
25%	54.67	54.61
20%	56.75	56.69
15%	59.22	59.20
10%	62.53	62.52
5%	67.73	67.77
0%	93.98	94.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	6
Mean	18.13	24.13
Standard Deviation	51.69	51.69
Selected range is from -Infinity to 594.00		6.00 to 600.00



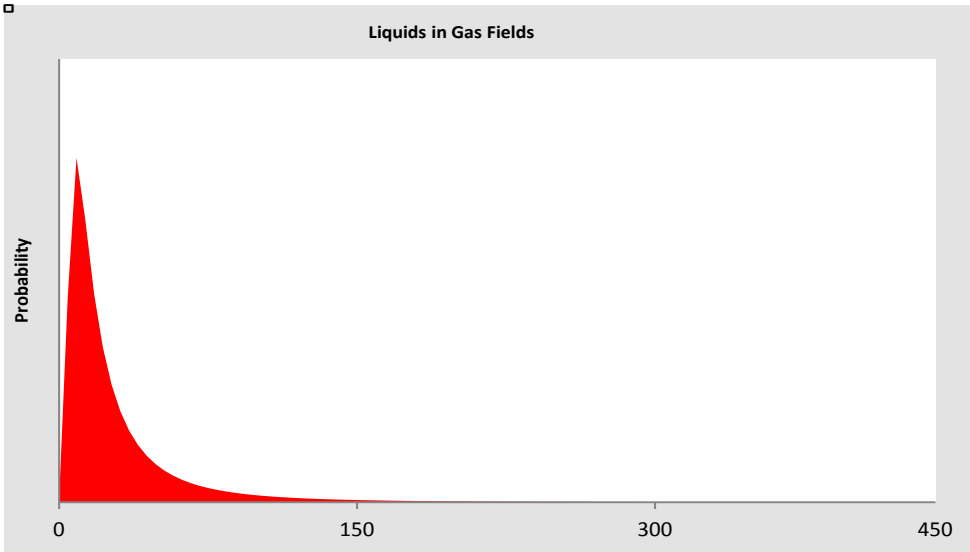
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	22.99	23.19
Median	11.98	11.99
Mode	---	---
Standard Deviation	35.61	36.67
Variance	1,268.43	1,344.97
Skewness	6.14	6.32
Kurtosis	57.87	60.37
Coefficient of Variability	1.55	1.58
Minimum	6.01	6.00
Maximum	593.00	600.00
Range Width	586.99	594.00
Mean Standard Error	0.16	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	6.01	6.00
95%	6.50	6.52
90%	6.88	6.89
85%	7.27	7.28
80%	7.69	7.71
75%	8.17	8.20
70%	8.72	8.75
65%	9.36	9.38
60%	10.08	10.11
55%	10.94	10.97
50%	11.98	11.99
45%	13.22	13.22
40%	14.76	14.73
35%	16.63	16.61
30%	19.01	19.05
25%	22.24	22.30
20%	26.90	26.89
15%	33.91	33.87
10%	45.88	46.04
5%	74.17	74.32
0%	593.00	600.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	27.47	28.47
Standard Deviation	42.14	42.14
Selected range is from -Infinity to 449.00		1.00 to 450.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	28.04	27.85
Median	16.05	15.98
Mode	---	---
Standard Deviation	37.22	36.59
Variance	1,384.97	1,338.82
Skewness	4.06	4.06
Kurtosis	27.16	27.54
Coefficient of Variability	1.33	1.31
Minimum	1.15	1.00
Maximum	447.80	450.00
Range Width	446.65	449.00
Mean Standard Error	0.17	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.15	1.00
95%	3.44	3.46
90%	4.65	4.66
85%	5.75	5.79
80%	6.90	6.94
75%	8.11	8.14
70%	9.36	9.42
65%	10.76	10.81
60%	12.31	12.34
55%	14.10	14.05
50%	16.05	15.98
45%	18.27	18.20
40%	20.82	20.79
35%	24.04	23.87
30%	27.79	27.65
25%	32.46	32.42
20%	38.66	38.74
15%	47.52	47.72
10%	62.15	62.08
5%	92.50	91.68
0%	447.80	450.00

End of Assumptions

Simulation started on 10/17/2011 at 4:32 PM
Simulation stopped on 10/17/2011 at 4:41 PM