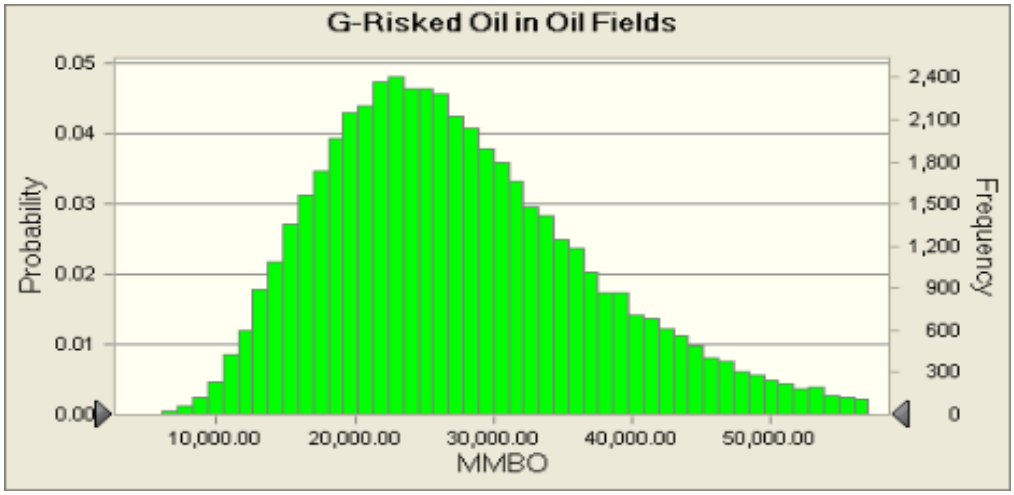
50000101
Alaskan Platform
Monte Carlo Results

Forecast: G-Risked Oil in Oil Fields

Summary:
Entire range is from 3,931.03 to 90,997.60
After 50,000 trials, the standard error of the mean is 46.74



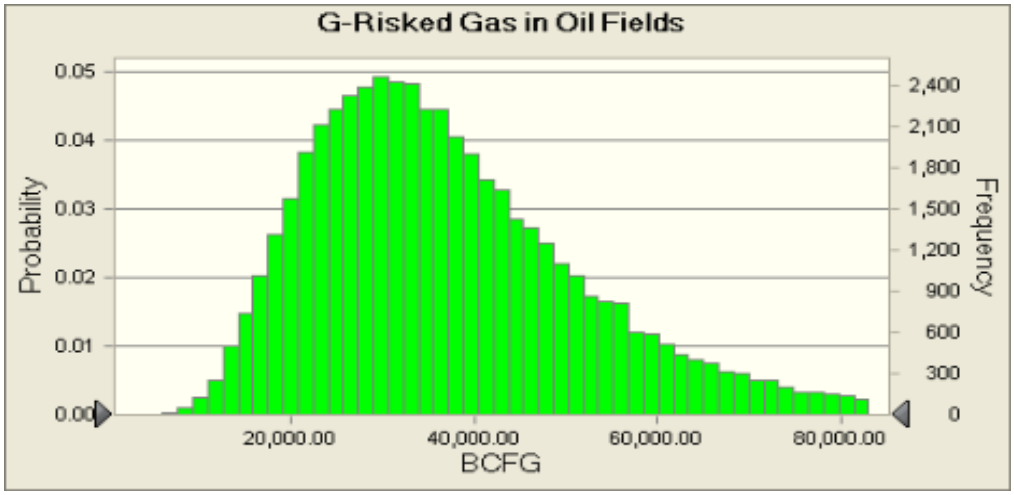
Statistics:	Forecast values
Trials	50,000
Mean	27,851.06
Median	26,207.02
Mode	---
Standard Deviation	10,450.85
Variance	109,220,265.86
Skewness	0.9673
Kurtosis	4.38
Coefficient of Variability	0.3752
Minimum	3,931.03
Maximum	90,997.60
Range Width	87,066.57
Mean Standard Error	46.74

Forecast: G-Risked Oil in Oil Fields (cont'd)

Percentiles:	MMBO
P100	3,931.03
P95	13,866.70
P90	16,031.19
P85	17,679.74
P80	19,097.26
P75	20,363.43
P70	21,568.25
P65	22,732.75
P60	23,847.69
P55	25,023.32
P50	26,206.44
P45	27,444.00
P40	28,742.19
P35	30,196.62
P30	31,740.27
P25	33,577.01
P20	35,625.76
P15	38,283.33
P10	41,856.76
P5	47,425.71
P0	90,997.60

Forecast: G-Risked Gas in Oil Fields

Summary:
Entire range is from 2,717.81 to 197,038.94
After 50,000 trials, the standard error of the mean is 72.52



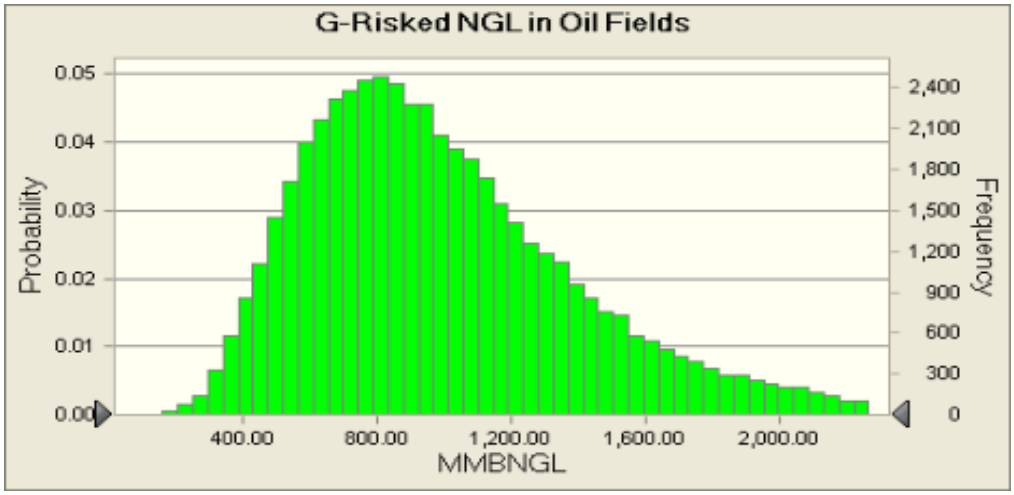
Statistics:	Forecast values
Trials	50,000
Mean	37,692.85
Median	34,742.05
Mode	---
Standard Deviation	16,215.51
Variance	262,942,749.41
Skewness	1.26
Kurtosis	5.92
Coefficient of Variability	0.4302
Minimum	2,717.81
Maximum	197,038.94
Range Width	194,321.13
Mean Standard Error	72.52

Forecast: G-Risked Gas in Oil Fields (cont'd)

Percentiles:	BCFG
P100	2,717.81
P95	17,176.27
P90	20,207.56
P85	22,408.02
P80	24,364.66
P75	26,150.14
P70	27,932.85
P65	29,587.89
P60	31,261.51
P55	32,965.28
P50	34,741.63
P45	36,579.04
P40	38,545.47
P35	40,682.60
P30	43,137.08
P25	45,965.71
P20	49,166.15
P15	53,359.24
P10	58,884.89
P5	68,535.20
P0	197,038.94

Forecast: G-Risked NGL in Oil Fields

Summary:
Entire range is from 74.19 to 6,766.93
After 50,000 trials, the standard error of the mean is 2.00



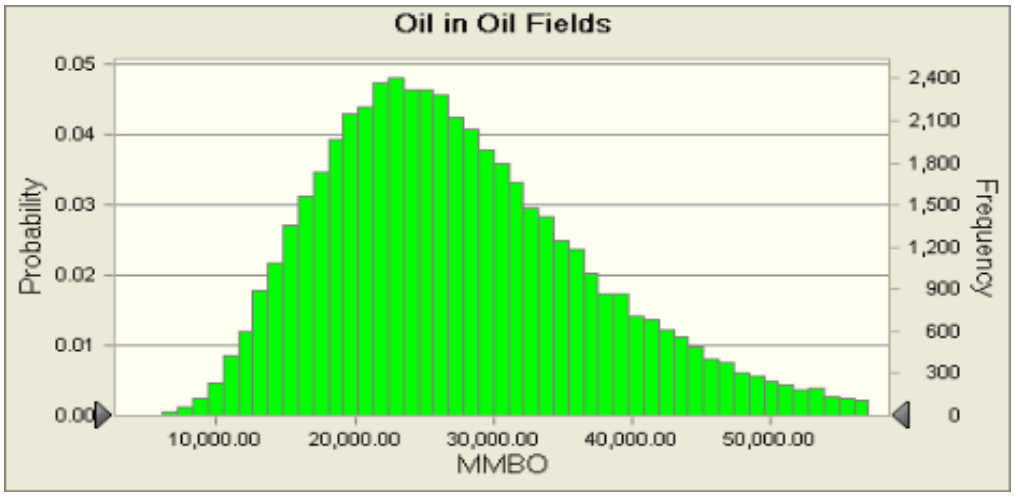
Statistics:	Forecast values
Trials	50,000
Mean	1,011.71
Median	928.94
Mode	---
Standard Deviation	447.97
Variance	200,681.31
Skewness	1.45
Kurtosis	7.73
Coefficient of Variability	0.4428
Minimum	74.19
Maximum	6,766.93
Range Width	6,692.74
Mean Standard Error	2.00

Forecast: G-Risked NGL in Oil Fields (cont'd)

Percentiles:	MMBNGL
P100	74.19
P95	454.91
P90	534.39
P85	594.00
P80	646.63
P75	696.21
P70	742.82
P65	788.56
P60	833.82
P55	879.64
P50	928.94
P45	978.73
P40	1,033.39
P35	1,092.95
P30	1,156.93
P25	1,234.34
P20	1,324.79
P15	1,433.43
P10	1,588.93
P5	1,856.99
P0	6,766.93

Forecast: Conditional Oil in Oil Fields

Summary:
Entire range is from 3,931.03 to 90,997.60
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 46.74



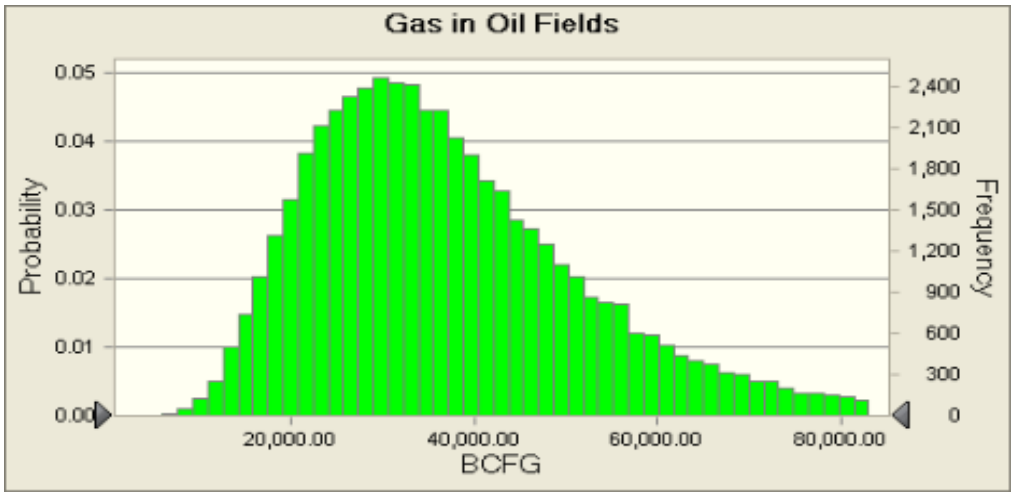
Statistics:	Forecast values
Trials	50,000
Mean	27,851.06
Median	26,207.02
Mode	---
Standard Deviation	10,450.85
Variance	109,220,265.86
Skewness	0.9673
Kurtosis	4.38
Coefficient of Variability	0.3752
Minimum	3,931.03
Maximum	90,997.60
Range Width	87,066.57
Mean Standard Error	46.74

Forecast: Conditional Oil in Oil Fields (cont'd)

Percentiles:	MMBO
P100	3,931.03
P95	13,866.70
P90	16,031.19
P85	17,679.74
P80	19,097.26
P75	20,363.43
P70	21,568.25
P65	22,732.75
P60	23,847.69
P55	25,023.32
P50	26,206.44
P45	27,444.00
P40	28,742.19
P35	30,196.62
P30	31,740.27
P25	33,577.01
P20	35,625.76
P15	38,283.33
P10	41,856.76
P5	47,425.71
P0	90,997.60

Forecast: Conditional Gas in Oil Fields

Summary:
Entire range is from 2,717.81 to 197,038.94
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 72.52



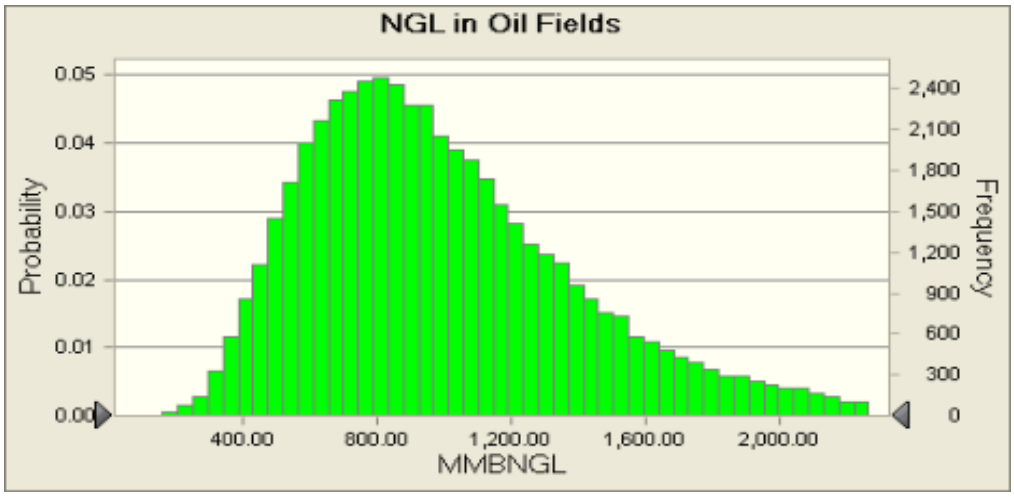
Statistics:	Forecast values
Trials	50,000
Mean	37,692.85
Median	34,742.05
Mode	---
Standard Deviation	16,215.51
Variance	262,942,749.41
Skewness	1.26
Kurtosis	5.92
Coefficient of Variability	0.4302
Minimum	2,717.81
Maximum	197,038.94
Range Width	194,321.13
Mean Standard Error	72.52

Forecast: Conditional Gas in Oil Fields (cont'd)

Percentiles:	BCFG
P100	2,717.81
P95	17,176.27
P90	20,207.56
P85	22,408.02
P80	24,364.66
P75	26,150.14
P70	27,932.85
P65	29,587.89
P60	31,261.51
P55	32,965.28
P50	34,741.63
P45	36,579.04
P40	38,545.47
P35	40,682.60
P30	43,137.08
P25	45,965.71
P20	49,166.15
P15	53,359.24
P10	58,884.89
P5	68,535.20
P0	197,038.94

Forecast: Conditional NGL in Oil Fields

Summary:
Entire range is from 74.19 to 6,766.93
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.00



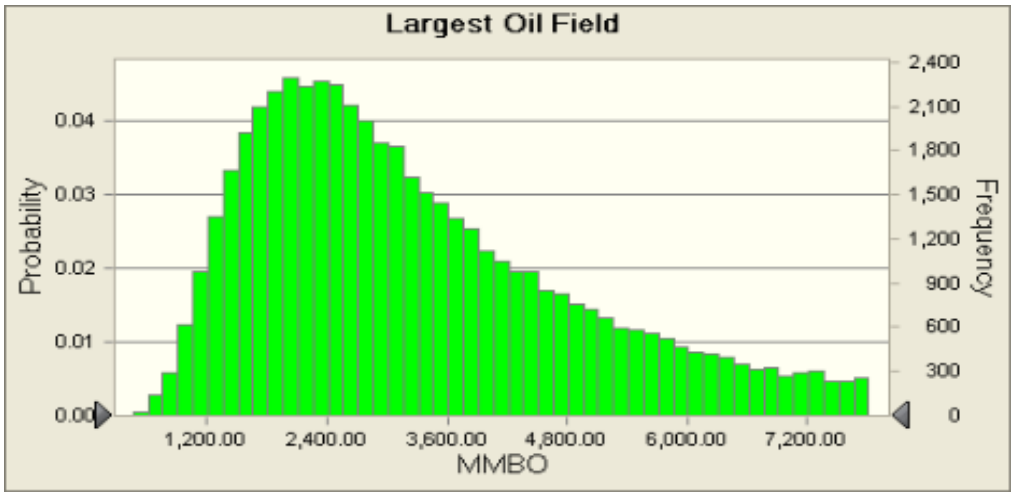
Statistics:	Forecast values
Trials	50,000
Mean	1,011.71
Median	928.94
Mode	---
Standard Deviation	447.97
Variance	200,681.31
Skewness	1.45
Kurtosis	7.73
Coefficient of Variability	0.4428
Minimum	74.19
Maximum	6,766.93
Range Width	6,692.74
Mean Standard Error	2.00

Forecast: Conditional NGL in Oil Fields (cont'd)

Percentiles:	MMBNGL
P100	74.19
P95	454.91
P90	534.39
P85	594.00
P80	646.63
P75	696.21
P70	742.82
P65	788.56
P60	833.82
P55	879.64
P50	928.94
P45	978.73
P40	1,033.39
P35	1,092.95
P30	1,156.93
P25	1,234.34
P20	1,324.79
P15	1,433.43
P10	1,588.93
P5	1,856.99
P0	6,766.93

Forecast: Largest Oil Field

Summary:
Entire range is from 456.39 to 7,999.31
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 7.24



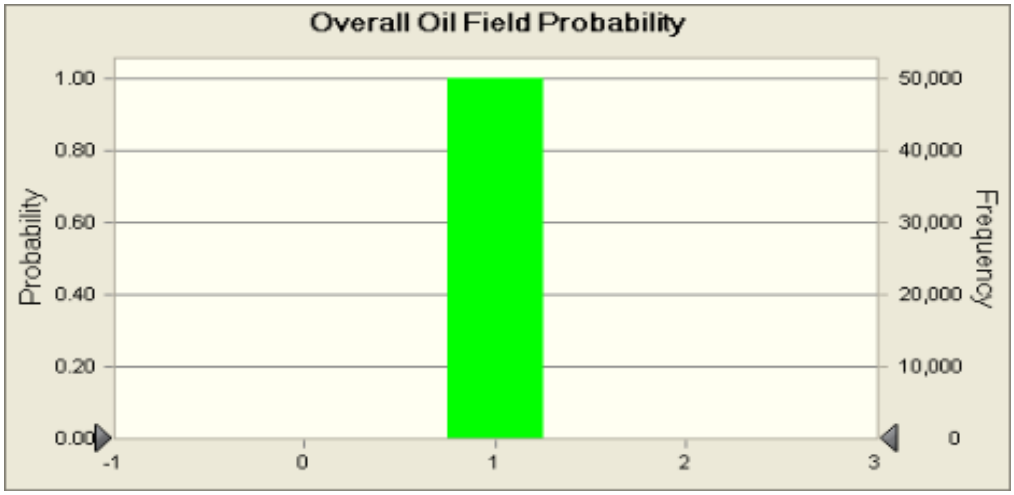
Statistics:	Forecast values
Trials	50,000
Mean	3,280.92
Median	2,904.98
Mode	---
Standard Deviation	1,619.33
Variance	2,622,214.05
Skewness	0.8487
Kurtosis	3.06
Coefficient of Variability	0.4936
Minimum	456.39
Maximum	7,999.31
Range Width	7,542.92
Mean Standard Error	7.24

Forecast: Largest Oil Field (cont'd)

Percentiles:	MMBO
P100	456.39
P95	1,264.08
P90	1,503.87
P85	1,695.70
P80	1,873.41
P75	2,039.40
P70	2,203.71
P65	2,370.18
P60	2,538.31
P55	2,714.92
P50	2,904.97
P45	3,111.25
P40	3,336.80
P35	3,592.35
P30	3,878.22
P25	4,222.17
P20	4,614.82
P15	5,101.80
P10	5,731.55
P5	6,603.05
P0	7,999.31

Forecast: Overall Oil Field Probability

Summary:
Entire range is from 1.00 to 1.00
After 50,000 trials, the standard error of the mean is 0.00



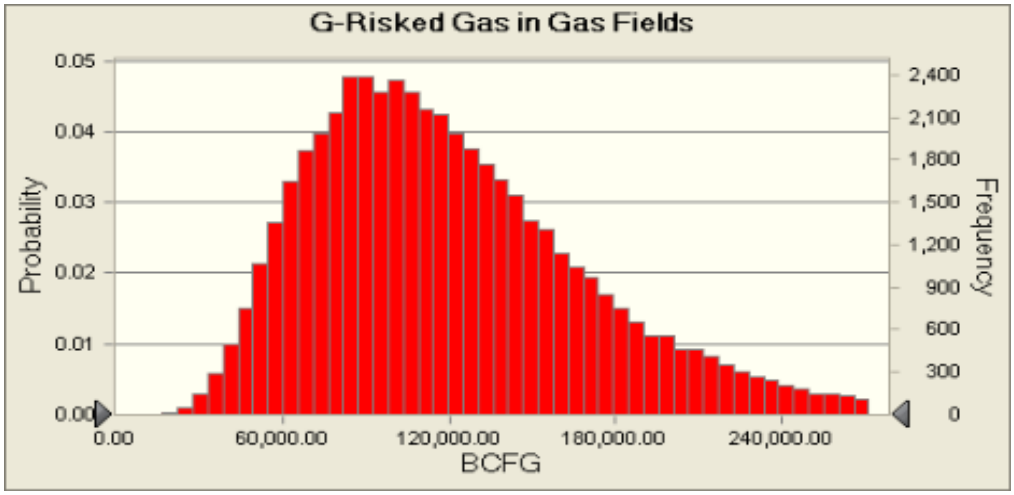
Statistics:	Forecast values	
Trials	50,000	
Mean	1.0000	= the probability of at least one undiscovered oil accumulation of minimum size or larger
Median	1.00	
Mode	1.00	
Standard Deviation	0.00	
Variance	0.00	
Skewness	---	
Kurtosis	---	
Coefficient of Variability	0.00	
Minimum	1.00	
Maximum	1.00	
Range Width	0.00	
Mean Standard Error	0.00	

Forecast: Overall Oil Field Probability (cont'd)

Percentiles:	Forecast values
P100	1.00
P95	1.00
P90	1.00
P85	1.00
P80	1.00
P75	1.00
P70	1.00
P65	1.00
P60	1.00
P55	1.00
P50	1.00
P45	1.00
P40	1.00
P35	1.00
P30	1.00
P25	1.00
P20	1.00
P15	1.00
P10	1.00
P5	1.00
P0	1.00

Forecast: G-Risked Gas in Gas Fields

Summary:
Entire range is from 5,755.87 to 488,937.68
After 50,000 trials, the standard error of the mean is 239.05



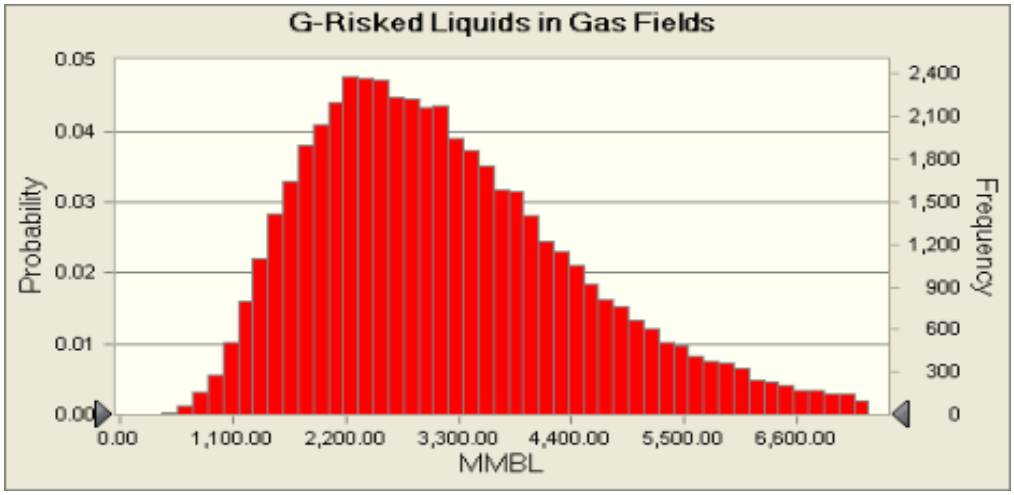
Statistics:	Forecast values
Trials	50,000
Mean	121,860.59
Median	112,562.12
Mode	---
Standard Deviation	53,452.97
Variance	2,857,220,328.15
Skewness	1.11
Kurtosis	4.87
Coefficient of Variability	0.4386
Minimum	5,755.87
Maximum	488,937.68
Range Width	483,181.81
Mean Standard Error	239.05

Forecast: G-Risked Gas in Gas Fields (cont'd)

Percentiles:	BCFG
P100	5,755.87
P95	53,122.97
P90	62,864.18
P85	70,389.66
P80	77,128.22
P75	83,247.12
P70	88,972.79
P65	94,688.28
P60	100,590.93
P55	106,321.20
P50	112,561.63
P45	118,974.57
P40	125,696.88
P35	132,982.99
P30	141,070.20
P25	150,218.09
P20	160,892.26
P15	174,302.98
P10	193,259.45
P5	222,711.73
P0	488,937.68

Forecast: G-Risked Liquids in Gas Fields

Summary:
Entire range is from 118.38 to 13,686.75
After 50,000 trials, the standard error of the mean is 6.48



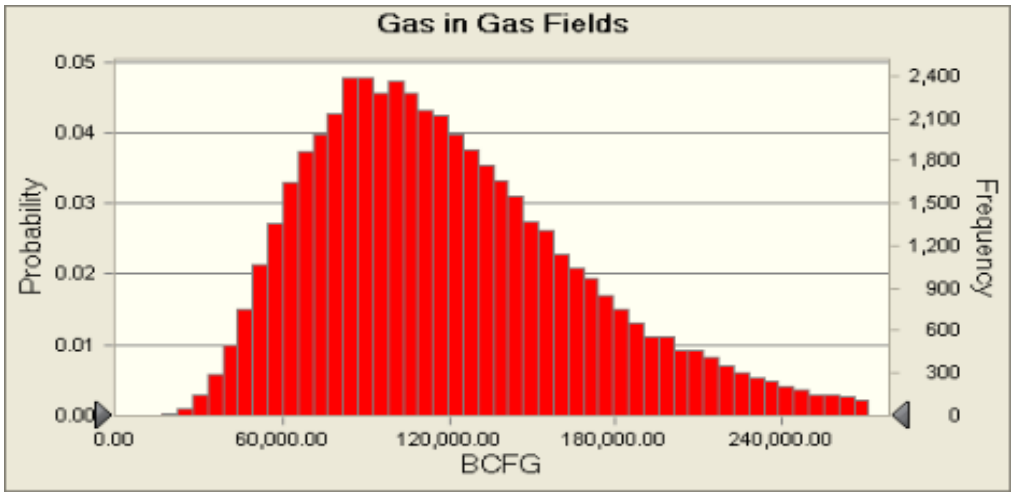
Statistics:	Forecast values
Trials	50,000
Mean	3,245.45
Median	2,993.27
Mode	---
Standard Deviation	1,449.80
Variance	2,101,934.21
Skewness	1.12
Kurtosis	4.95
Coefficient of Variability	0.4467
Minimum	118.38
Maximum	13,686.75
Range Width	13,568.37
Mean Standard Error	6.48

Forecast: G-Risked Liquids in Gas Fields (cont'd)

Percentiles:	MMBL
P100	118.38
P95	1,391.94
P90	1,648.77
P85	1,852.30
P80	2,032.81
P75	2,197.06
P70	2,349.96
P65	2,505.00
P60	2,661.65
P55	2,828.35
P50	2,993.23
P45	3,162.63
P40	3,348.12
P35	3,548.67
P30	3,771.07
P25	4,009.26
P20	4,299.88
P15	4,666.63
P10	5,171.48
P5	5,989.52
P0	13,686.75

Forecast: Conditional Gas in Gas Fields

Summary:
Entire range is from 5,755.87 to 488,937.68
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 239.05



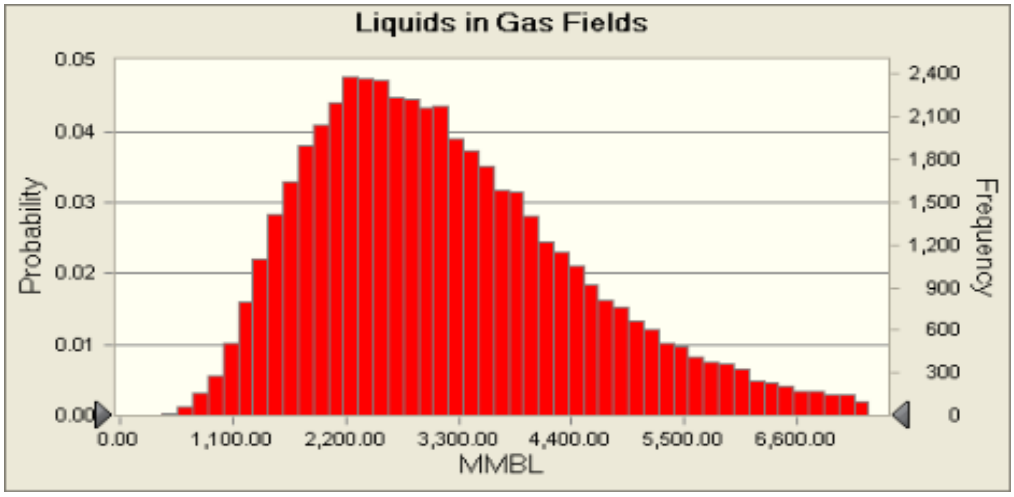
Statistics:	Forecast values
Trials	50,000
Mean	121,860.59
Median	112,562.12
Mode	---
Standard Deviation	53,452.97
Variance	2,857,220,328.15
Skewness	1.11
Kurtosis	4.87
Coefficient of Variability	0.4386
Minimum	5,755.87
Maximum	488,937.68
Range Width	483,181.81
Mean Standard Error	239.05

Forecast: Conditional Gas in Gas Fields (cont'd)

Percentiles:	BCFG
P100	5,755.87
P95	53,122.97
P90	62,864.18
P85	70,389.66
P80	77,128.22
P75	83,247.12
P70	88,972.79
P65	94,688.28
P60	100,590.93
P55	106,321.20
P50	112,561.63
P45	118,974.57
P40	125,696.88
P35	132,982.99
P30	141,070.20
P25	150,218.09
P20	160,892.26
P15	174,302.98
P10	193,259.45
P5	222,711.73
P0	488,937.68

Forecast: Conditional Liquids in Gas Fields

Summary:
Entire range is from 118.38 to 13,686.75
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.48



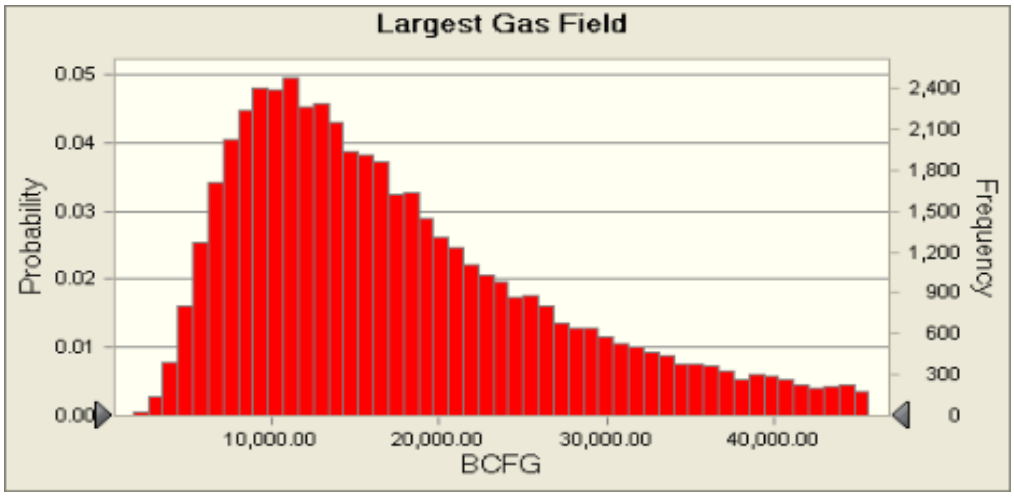
Statistics:	Forecast values
Trials	50,000
Mean	3,245.45
Median	2,993.27
Mode	---
Standard Deviation	1,449.80
Variance	2,101,934.21
Skewness	1.12
Kurtosis	4.95
Coefficient of Variability	0.4467
Minimum	118.38
Maximum	13,686.75
Range Width	13,568.37
Mean Standard Error	6.48

Forecast: Conditional Liquids in Gas Fields (cont'd)

Percentiles:	MMBL
P100	118.38
P95	1,391.94
P90	1,648.77
P85	1,852.30
P80	2,032.81
P75	2,197.06
P70	2,349.96
P65	2,505.00
P60	2,661.65
P55	2,828.35
P50	2,993.23
P45	3,162.63
P40	3,348.12
P35	3,548.67
P30	3,771.07
P25	4,009.26
P20	4,299.88
P15	4,666.63
P10	5,171.48
P5	5,989.52
P0	13,686.75

Forecast: Largest Gas Field

Summary:
Entire range is from 1,714.72 to 49,993.47
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 44.40



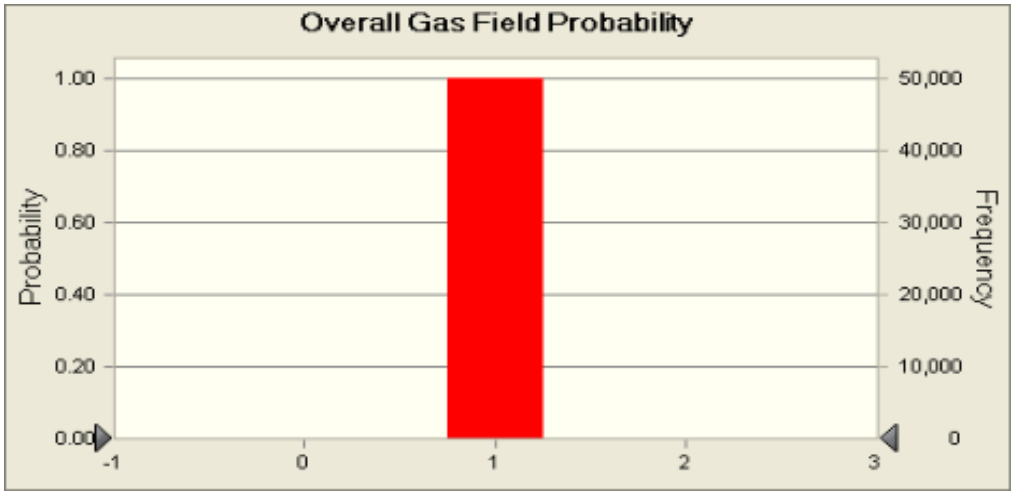
Statistics:	Forecast values
Trials	50,000
Mean	17,864.13
Median	15,403.31
Mode	---
Standard Deviation	9,928.09
Variance	98,566,931.58
Skewness	1.03
Kurtosis	3.54
Coefficient of Variability	0.5558
Minimum	1,714.72
Maximum	49,993.47
Range Width	48,278.75
Mean Standard Error	44.40

Forecast: Largest Gas Field (cont'd)

Percentiles:	BCFG
P100	1,714.72
P95	6,136.18
P90	7,410.91
P85	8,454.83
P80	9,418.38
P75	10,352.44
P70	11,281.72
P65	12,229.18
P60	13,212.44
P55	14,248.09
P50	15,403.04
P45	16,561.20
P40	17,903.34
P35	19,343.29
P30	21,065.20
P25	23,079.37
P20	25,521.54
P15	28,604.62
P10	32,675.12
P5	38,866.11
P0	49,993.47

Forecast: Overall Gas Field Probability

Summary:
Entire range is from 1.00 to 1.00
After 50,000 trials, the standard error of the mean is 0.00



Statistics:	Forecast values	
Trials	50,000	
Mean	1.0000	= the probability of at least one undiscovered gas accumulation of minimum size or larger
Median	1.00	
Mode	1.00	
Standard Deviation	0.00	
Variance	0.00	
Skewness	---	
Kurtosis	---	
Coefficient of Variability	0.00	
Minimum	1.00	
Maximum	1.00	
Range Width	0.00	
Mean Standard Error	0.00	

Forecast: Overall Gas Field Probability (cont'd)

Percentiles:	Forecast values
P100	1.00
P95	1.00
P90	1.00
P85	1.00
P80	1.00
P75	1.00
P70	1.00
P65	1.00
P60	1.00
P55	1.00
P50	1.00
P45	1.00
P40	1.00
P35	1.00
P30	1.00
P25	1.00
P20	1.00
P15	1.00
P10	1.00
P5	1.00
P0	1.00

End of Forecasts

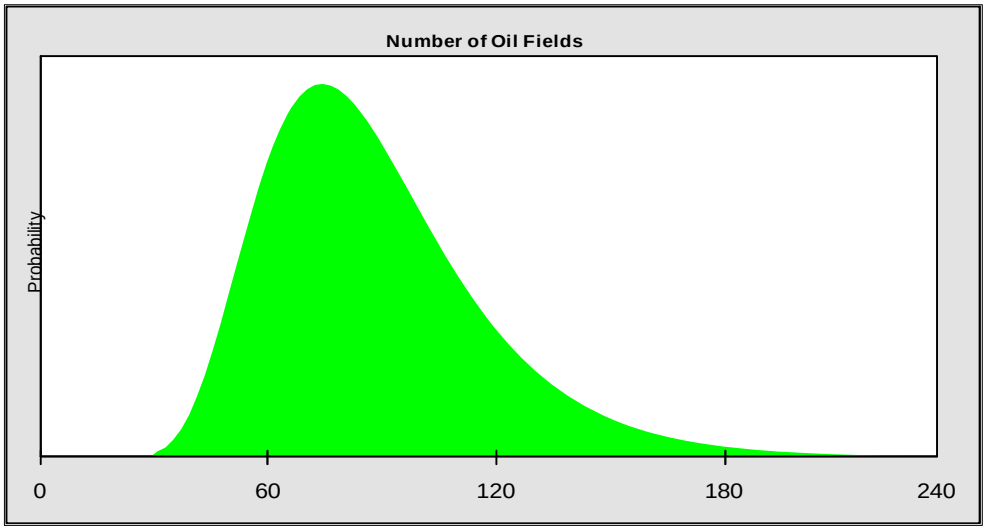
Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:

Mean	90.06
Standard Deviation	30.25

Selected range is from 8.00 to 240.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	89.88	89.89
Median	84.86	84.97
Mode	---	---
Standard Deviation	29.87	29.74
Variance	892.04	884.58
Skewness	1.05	1.02
Kurtosis	4.59	4.47
Coefficient of Variability	0.3323	0.3309
Minimum	25.36	8.00
Maximum	239.99	240.00
Range Width	214.63	232.00
Mean Standard Error	0.13	---

Assumption: Number of Oil Fields (cont'd)

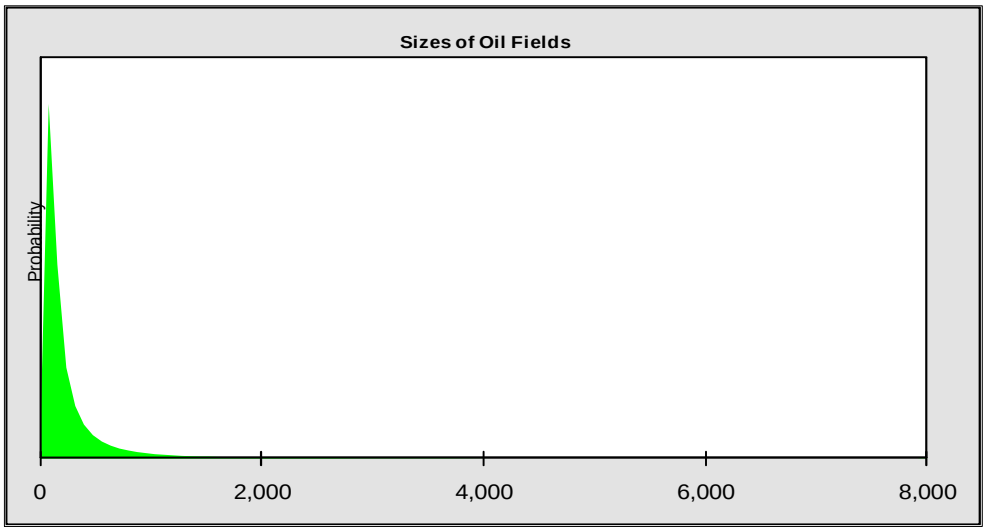
Percentiles:	Simulated values	Theoretical values
P100	25.36	8.00
P95	50.87	50.80
P90	56.85	56.72
P85	61.20	61.18
P80	65.03	65.01
P75	68.56	68.51
P70	71.79	71.84
P65	75.09	75.08
P60	78.25	78.32
P55	81.52	81.59
P50	84.86	84.97
P45	88.39	88.49
P40	92.11	92.24
P35	96.07	96.30
P30	100.52	100.78
P25	105.58	105.88
P20	111.71	111.88
P15	119.46	119.32
P10	129.51	129.44
P5	146.01	146.05
P0	239.99	240.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:

Mean	322.56
Standard Deviation	691.06

Selected range is from 50.00 to 8,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	310.07	310.16
Median	150.35	149.82
Mode	---	---
Standard Deviation	506.97	514.55
Variance	257,021.67	264,757.00
Skewness	5.66	5.88
Kurtosis	49.32	52.96
Coefficient of Variability	1.64	1.66
Minimum	50.28	50.00
Maximum	7,984.93	8,000.00
Range Width	7,934.64	7,950.00
Mean Standard Error	2.27	---

Assumption: Sizes of Oil Fields (cont'd)

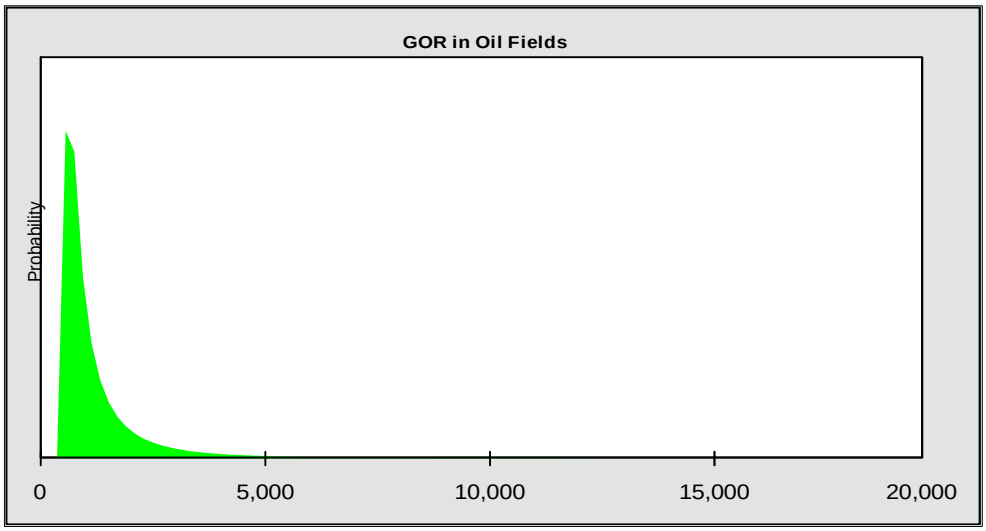
Percentiles:	Simulated values	Theoretical values
P100	50.28	50.00
P95	59.67	59.73
P90	66.12	66.27
P85	72.95	73.02
P80	80.27	80.34
P75	88.44	88.43
P70	97.49	97.53
P65	107.98	107.87
P60	119.90	119.75
P55	133.88	133.56
P50	150.35	149.82
P45	169.75	169.24
P40	193.35	192.84
P35	222.59	222.15
P30	260.69	259.54
P25	311.70	309.04
P20	380.35	377.98
P15	486.71	481.69
P10	658.35	659.56
P5	1,061.68	1,063.83
P0	7,984.93	8,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:

Mean	1,382.30
Standard Deviation	1,734.66

Selected range is from 500.00 to 20,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,356.63	1,353.63
Median	894.77	899.37
Mode	---	---
Standard Deviation	1,429.90	1,410.85
Variance	2,044,601.96	1,990,491.81
Skewness	5.01	4.93
Kurtosis	40.20	38.73
Coefficient of Variability	1.05	1.04
Minimum	501.73	500.00
Maximum	19,966.69	20,000.00
Range Width	19,464.96	19,500.00
Mean Standard Error	6.39	---

Assumption: GOR in Oil Fields (cont'd)

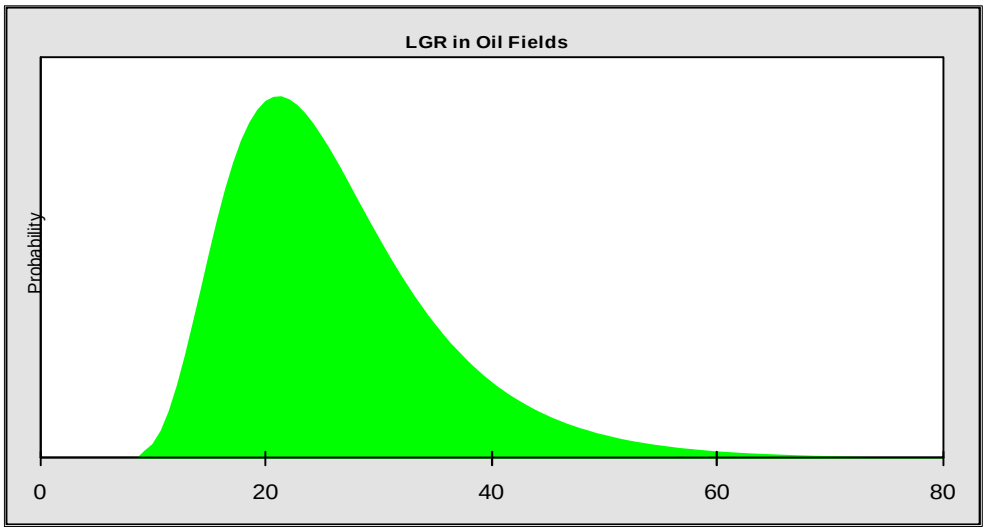
Percentiles:	Simulated values	Theoretical values
P100	501.73	500.00
P95	549.87	550.50
P90	579.28	579.74
P85	607.75	608.53
P80	637.90	638.65
P75	670.27	671.07
P70	705.43	706.60
P65	745.14	746.07
P60	787.41	790.47
P55	837.89	841.03
P50	894.75	899.37
P45	962.91	967.68
P40	1,044.05	1,049.04
P35	1,143.09	1,148.02
P30	1,270.13	1,271.66
P25	1,428.91	1,431.59
P20	1,645.17	1,648.82
P15	1,973.02	1,966.37
P10	2,501.16	2,492.23
P5	3,669.29	3,630.37
P0	19,966.69	20,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:

Mean	26.92
Standard Deviation	9.82

Selected range is from 5.00 to 80.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.80	26.85
Median	24.94	24.99
Mode	---	---
Standard Deviation	9.58	9.61
Variance	91.80	92.44
Skewness	1.23	1.24
Kurtosis	5.18	5.25
Coefficient of Variability	0.3576	0.3580
Minimum	7.81	5.00
Maximum	79.78	80.00
Range Width	71.97	75.00
Mean Standard Error	0.04	---

Assumption: LGR in Oil Fields (cont'd)

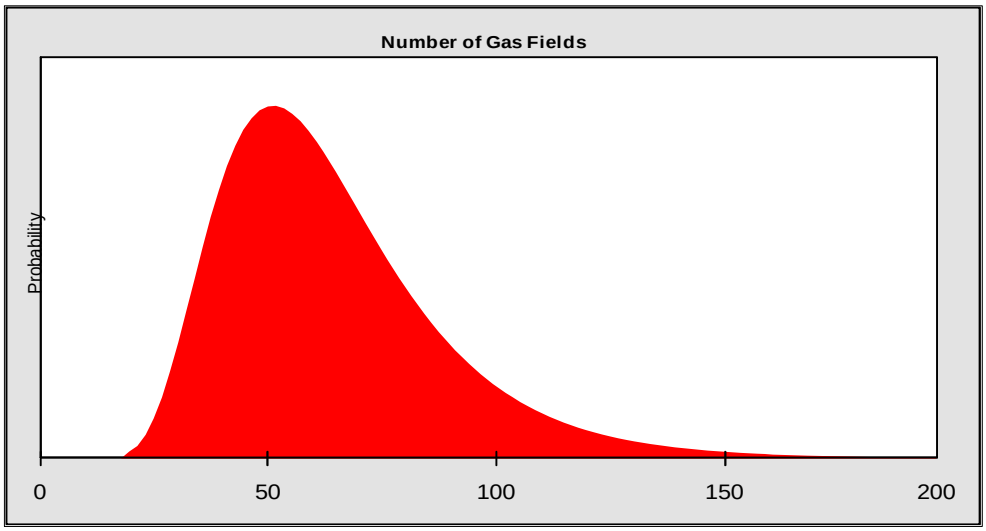
Percentiles:	Simulated values	Theoretical values
P100	7.81	5.00
P95	14.85	14.89
P90	16.50	16.56
P85	17.78	17.83
P80	18.89	18.95
P75	19.94	19.98
P70	20.94	20.98
P65	21.91	21.95
P60	22.89	22.94
P55	23.92	23.94
P50	24.94	24.99
P45	26.05	26.09
P40	27.22	27.27
P35	28.52	28.57
P30	29.92	30.01
P25	31.55	31.66
P20	33.59	33.63
P15	36.07	36.11
P10	39.43	39.53
P5	45.21	45.26
P0	79.78	80.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:

Mean	64.81
Standard Deviation	25.56

Selected range is from 5.00 to 200.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	64.47	64.65
Median	59.83	59.97
Mode	---	---
Standard Deviation	24.97	25.06
Variance	623.51	627.89
Skewness	1.19	1.18
Kurtosis	5.09	5.03
Coefficient of Variability	0.3873	0.3876
Minimum	13.65	5.00
Maximum	197.97	200.00
Range Width	184.32	195.00
Mean Standard Error	0.11	---

Assumption: Number of Gas Fields (cont'd)

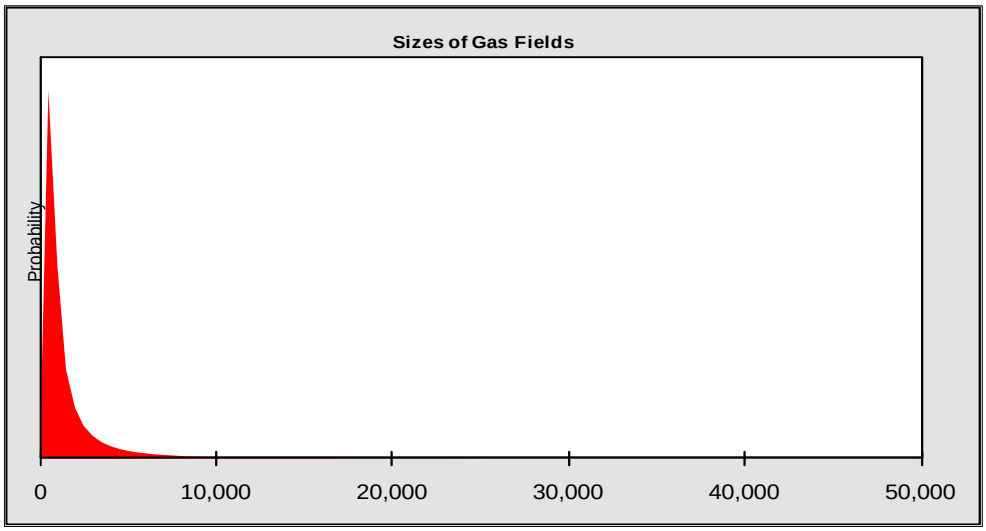
Percentiles:	Simulated values	Theoretical values
P100	13.65	5.00
P95	32.90	33.03
P90	37.47	37.53
P85	40.84	40.96
P80	43.83	43.95
P75	46.61	46.71
P70	49.28	49.35
P65	51.88	51.95
P60	54.44	54.56
P55	57.05	57.22
P50	59.83	59.97
P45	62.75	62.87
P40	65.83	65.98
P35	69.07	69.36
P30	72.85	73.12
P25	77.12	77.43
P20	82.32	82.55
P15	88.61	88.96
P10	97.45	97.77
P5	112.01	112.48
P0	197.97	200.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:

Mean	1,966.56
Standard Deviation	4,318.61

Selected range is from 300.00 to 50,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,862.22	1,888.79
Median	887.11	898.93
Mode	---	---
Standard Deviation	3,099.19	3,188.00
Variance	9,604,984.80	10,163,363.42
Skewness	5.85	5.96
Kurtosis	53.00	54.30
Coefficient of Variability	1.66	1.69
Minimum	301.95	300.00
Maximum	49,993.47	50,000.00
Range Width	49,691.52	49,700.00
Mean Standard Error	13.86	---

Assumption: Sizes of Gas Fields (cont'd)

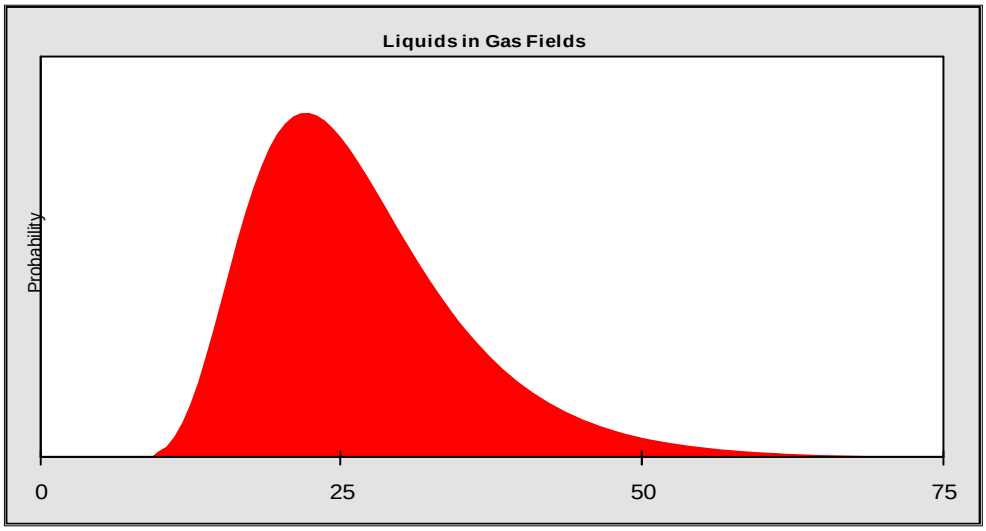
Percentiles:	Simulated values	Theoretical values
P100	301.95	300.00
P95	356.61	357.12
P90	395.00	395.99
P85	434.85	436.26
P80	477.86	479.99
P75	524.85	528.54
P70	577.30	583.19
P65	639.90	645.43
P60	710.03	717.10
P55	792.02	800.54
P50	887.10	898.93
P45	1,005.74	1,016.63
P40	1,146.85	1,159.92
P35	1,326.33	1,338.15
P30	1,550.12	1,566.01
P25	1,858.54	1,868.18
P20	2,267.64	2,289.93
P15	2,894.55	2,925.95
P10	4,012.87	4,019.93
P5	6,439.78	6,516.72
P0	49,993.47	50,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:

Mean	26.70
Standard Deviation	9.31

Selected range is from 4.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.71	26.64
Median	25.02	24.99
Mode	---	---
Standard Deviation	9.17	9.13
Variance	84.11	83.38
Skewness	1.13	1.13
Kurtosis	4.81	4.86
Coefficient of Variability	0.3434	0.3428
Minimum	7.14	4.00
Maximum	74.76	75.00
Range Width	67.62	71.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	7.14	4.00
P95	15.02	14.98
P90	16.71	16.67
P85	18.00	17.95
P80	19.09	19.07
P75	20.14	20.09
P70	21.15	21.07
P65	22.09	22.03
P60	23.03	23.00
P55	24.02	23.98
P50	25.02	24.99
P45	26.09	26.05
P40	27.27	27.19
P35	28.49	28.43
P30	29.89	29.80
P25	31.46	31.37
P20	33.33	33.23
P15	35.60	35.55
P10	38.76	38.73
P5	44.29	44.02
P0	74.76	75.00

End of Assumptions

Simulation started on 8/8/2007 at 15:38:34
Simulation stopped on 8/8/2007 at 16:35:52