

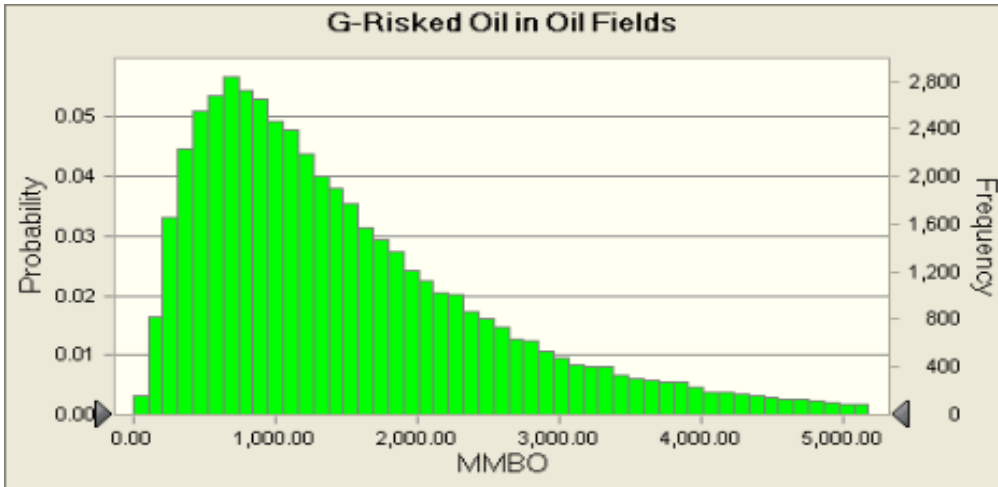
Appendix 3. Detailed assessment results for the
Northern West Siberian Onshore Gas Assessment Unit
11740301
Northern West Siberian Onshore Gas Monte Carlo Results

Forecast: G-Risk Oil in Oil Fields

Summary:

Entire range is from 0.00 to 12,470.78

After 50,000 trials, the standard error of the mean is 5.72



Statistics:	Forecast values
Trials	50,000
Mean	1,600.60
Median	1,251.51
Mode	0.00
Standard Deviation	1,278.36
Variance	1,634,204.44
Skewness	2.06
Kurtosis	9.54
Coefficient of Variability	0.7987
Minimum	0.00
Maximum	12,470.78
Range Width	12,470.78
Mean Standard Error	5.72

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

Percentiles:	MMBO
P100	0.00
P95	309.39
P90	427.65
P85	531.79
P80	630.34
P75	724.04
P70	820.41
P65	920.15
P60	1,022.47
P55	1,131.90
P50	1,251.49
P45	1,380.66
P40	1,525.80
P35	1,684.20
P30	1,864.84
P25	2,088.83
P20	2,348.12
P15	2,688.67
P10	3,197.75
P5	4,069.68
P0	12,470.78

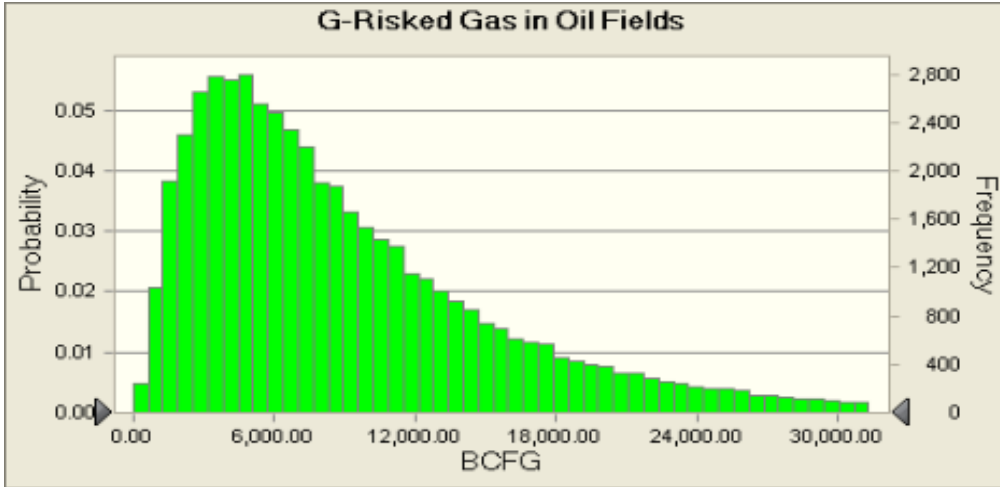
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: G-Risked Gas in Oil Fields

Summary:

Entire range is from 0.00 to 80,392.39

After 50,000 trials, the standard error of the mean is 34.83



Statistics:	Forecast values
Trials	50,000
Mean	9,526.71
Median	7,366.71
Mode	0.00
Standard Deviation	7,788.64
Variance	60,662,898.04
Skewness	2.07
Kurtosis	9.57
Coefficient of Variability	0.8176
Minimum	0.00
Maximum	80,392.39
Range Width	80,392.39
Mean Standard Error	34.83

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

Percentiles:	BCFG
P100	0.00
P95	1,724.02
P90	2,426.74
P85	3,046.31
P80	3,620.20
P75	4,208.24
P70	4,761.64
P65	5,366.09
P60	5,989.60
P55	6,641.89
P50	7,366.70
P45	8,148.72
P40	9,002.59
P35	10,011.88
P30	11,110.51
P25	12,435.52
P20	14,049.30
P15	16,157.11
P10	19,282.34
P5	24,644.38
P0	80,392.39

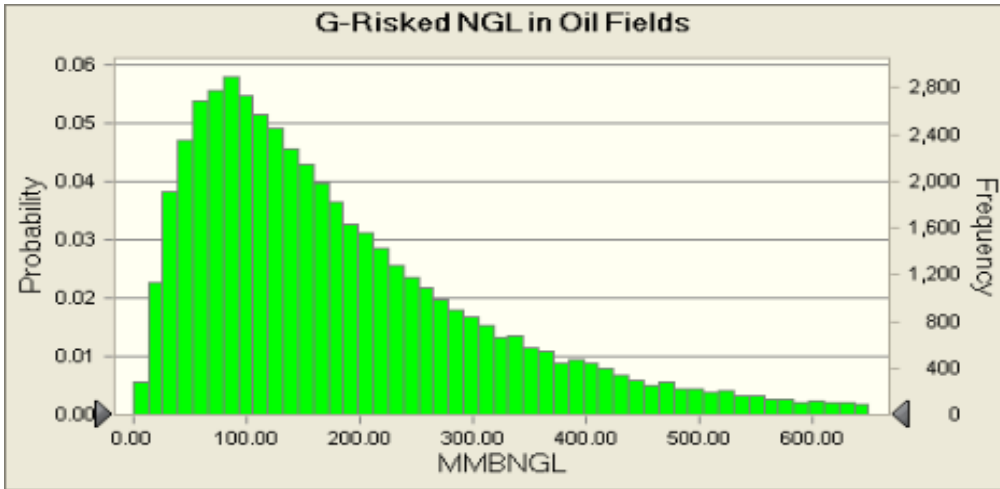
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: G-Risked NGL in Oil Fields

Summary:

Entire range is from 0.00 to 1,663.45

After 50,000 trials, the standard error of the mean is 0.72



Statistics:	Forecast values
Trials	50,000
Mean	196.54
Median	151.64
Mode	0.00
Standard Deviation	161.75
Variance	26,161.51
Skewness	2.07
Kurtosis	9.56
Coefficient of Variability	0.8230
Minimum	0.00
Maximum	1,663.45
Range Width	1,663.45
Mean Standard Error	0.72

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

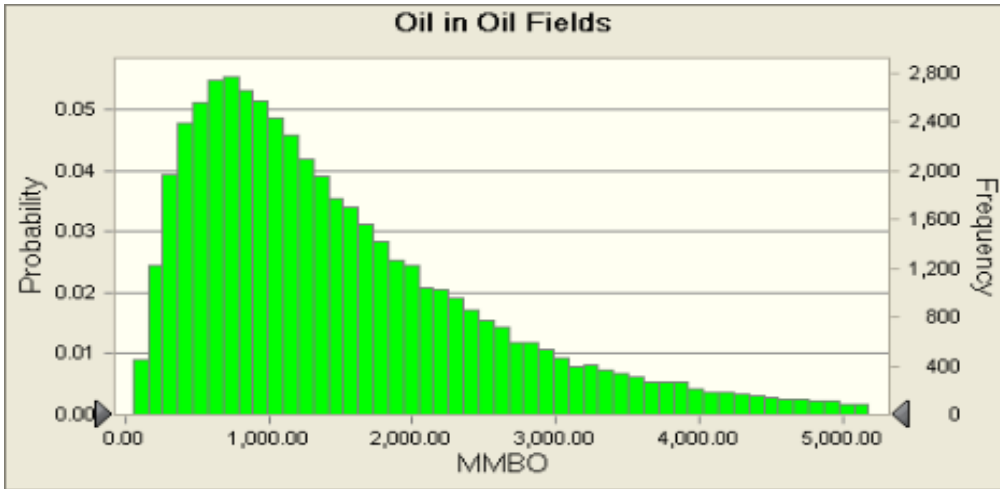
Percentiles:	MMBNGL
P100	0.00
P95	34.76
P90	49.40
P85	62.24
P80	74.23
P75	85.87
P70	97.40
P65	109.86
P60	123.07
P55	136.40
P50	151.63
P45	167.45
P40	185.56
P35	206.27
P30	229.35
P25	257.15
P20	291.12
P15	335.45
P10	398.85
P5	512.82
P0	1,663.45

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Conditional Oil in Oil Fields

Summary:

Entire range is from 52.61 to 12,470.78 (filtered)
Filter range is from 0.00 to Infinity
After 49,999 trials, the standard error of the mean is 5.72



Statistics:	Forecast values
Trials	49,999
Mean	1,600.63
Median	1,251.53
Mode	---
Standard Deviation	1,278.35
Variance	1,634,185.89
Skewness	2.06
Kurtosis	9.54
Coefficient of Variability	0.7987
Minimum	52.61
Maximum	12,470.78
Range Width	12,418.17
Mean Standard Error	5.72
Filtered Values	1

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

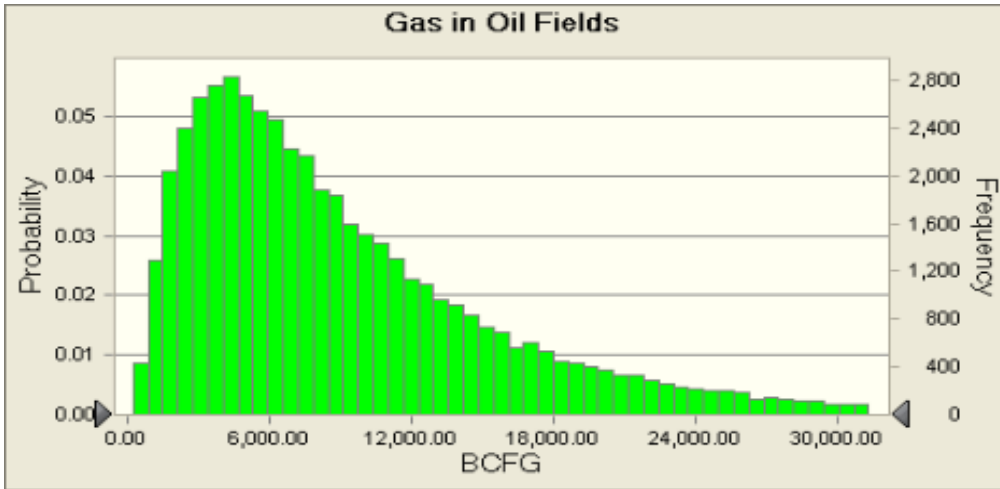
Percentiles:	MMBO
P100	52.61
P95	309.39
P90	427.71
P85	531.80
P80	630.34
P75	724.09
P70	820.43
P65	920.18
P60	1,022.51
P55	1,132.00
P50	1,251.51
P45	1,380.69
P40	1,525.81
P35	1,684.21
P30	1,864.91
P25	2,088.86
P20	2,348.12
P15	2,688.71
P10	3,197.76
P5	4,069.71
P0	12,470.78

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Conditional Gas in Oil Fields

Summary:

Entire range is from 173.18 to 80,392.39 (filtered)
Filter range is from 0.00 to Infinity
After 49,999 trials, the standard error of the mean is 34.83



Statistics:	Forecast values
Trials	49,999
Mean	9,526.90
Median	7,366.73
Mode	---
Standard Deviation	7,788.60
Variance	60,662,296.07
Skewness	2.07
Kurtosis	9.57
Coefficient of Variability	0.8175
Minimum	173.18
Maximum	80,392.39
Range Width	80,219.22
Mean Standard Error	34.83
Filtered Values	1

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

Percentiles:	BCFG
P100	173.18
P95	1,724.27
P90	2,426.92
P85	3,046.68
P80	3,620.23
P75	4,208.43
P70	4,761.89
P65	5,366.83
P60	5,990.31
P55	6,641.90
P50	7,366.71
P45	8,148.80
P40	9,002.89
P35	10,011.94
P30	11,110.72
P25	12,435.67
P20	14,049.32
P15	16,157.27
P10	19,282.55
P5	24,644.55
P0	80,392.39

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

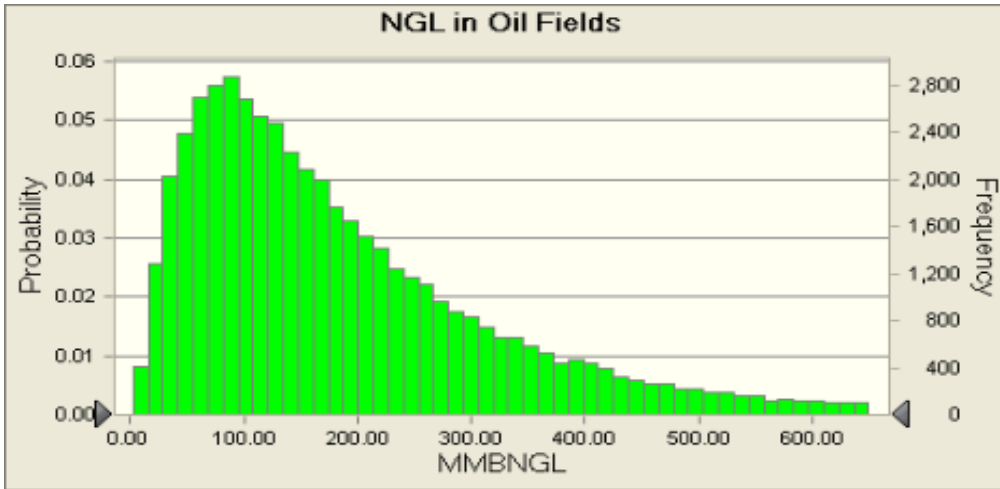
Forecast: Conditional NGL in Oil Fields

Summary:

Entire range is from 2.33 to 1,663.45 (filtered)

Filter range is from 0.00 to Infinity

After 49,999 trials, the standard error of the mean is 0.72



Statistics:	Forecast values
Trials	49,999
Mean	196.54
Median	151.64
Mode	---
Standard Deviation	161.74
Variance	26,161.26
Skewness	2.07
Kurtosis	9.56
Coefficient of Variability	0.8230
Minimum	2.33
Maximum	1,663.45
Range Width	1,661.12
Mean Standard Error	0.72
Filtered Values	1

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

Percentiles:	MMBNGL
P100	2.33
P95	34.76
P90	49.41
P85	62.24
P80	74.24
P75	85.87
P70	97.40
P65	109.87
P60	123.08
P55	136.41
P50	151.64
P45	167.46
P40	185.57
P35	206.27
P30	229.35
P25	257.15
P20	291.12
P15	335.46
P10	398.85
P5	512.82
P0	1,663.45

Northern West Siberian Onshore Gas
Monte Carlo Results

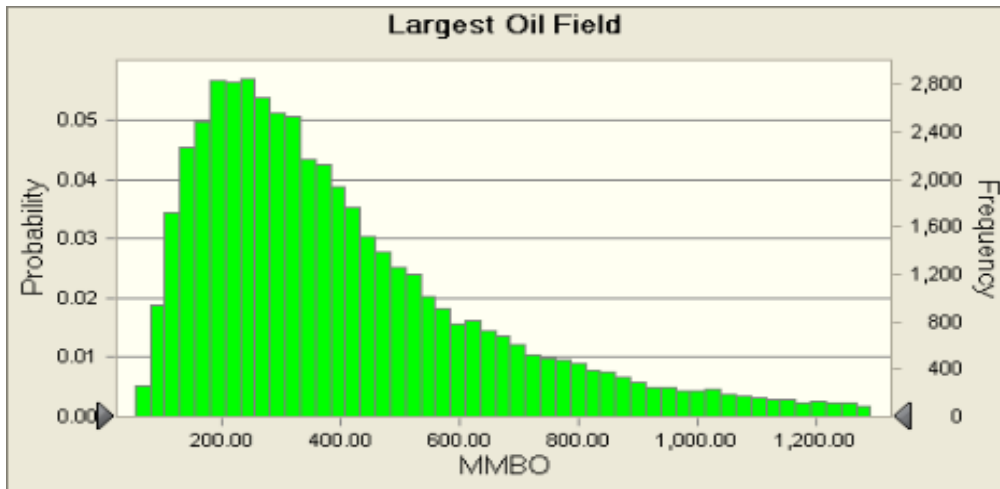
Forecast: Largest Oil Field

Summary:

Entire range is from 52.61 to 1,999.31 (filtered)

Filter range is from 0.00 to Infinity

After 49,999 trials, the standard error of the mean is 1.37



Statistics:

Trials
Mean
Median
Mode
Standard Deviation
Variance
Skewness
Kurtosis
Coefficient of Variability
Minimum
Maximum
Range Width
Mean Standard Error
Filtered Values

Forecast values

49,999
430.76
342.09

307.05
94,279.05
1.87
7.30
0.7128
52.61
1,999.31
1,946.70
1.37
1

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Largest Oil Field (cont'd)

Percentiles:	MMBO
P100	52.61
P95	122.80
P90	151.66
P85	176.85
P80	199.83
P75	221.98
P70	244.06
P65	267.05
P60	291.04
P55	315.93
P50	342.09
P45	371.76
P40	403.63
P35	441.15
P30	484.65
P25	536.71
P20	607.57
P15	694.03
P10	822.29
P5	1,061.13
P0	1,999.31

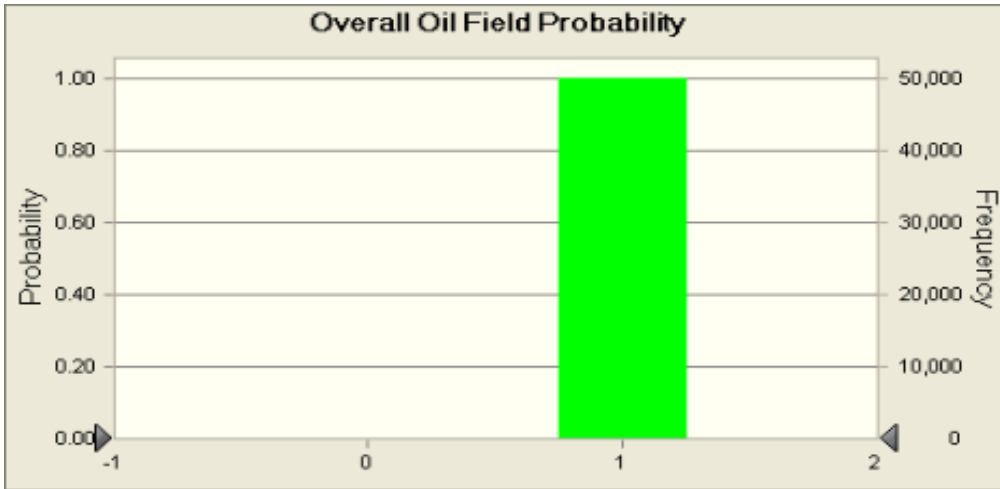
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Overall Oil Field Probability

Summary:

Entire range is from 0.00 to 1.00

After 50,000 trials, the standard error of the mean is 0.00



Statistics:

Trials	50,000
Mean	1.0000
Median	1.00
Mode	1.00
Standard Deviation	0.00
Variance	0.00
Skewness	-223.59
Kurtosis	49,996.00
Coefficient of Variability	0.0045
Minimum	0.00
Maximum	1.00
Range Width	1.00
Mean Standard Error	0.00

Forecast values

= the probability of at least one
undiscovered oil accumulation of
minimum size or larger

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Overall Oil Field Probability (cont'd)

Percentiles:	Forecast values
P100	0.00
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

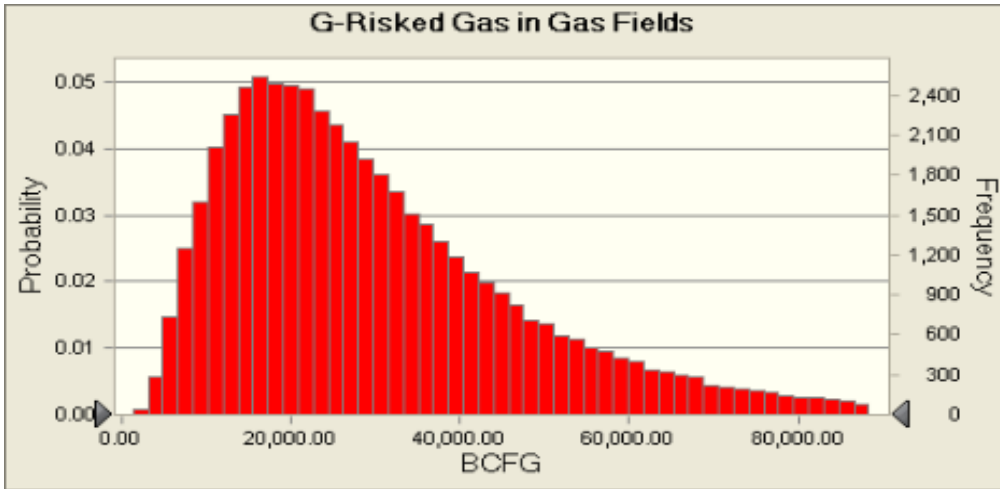
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: G-Risked Gas in Gas Fields

Summary:

Entire range is from 1,368.52 to 220,968.89

After 50,000 trials, the standard error of the mean is 91.28



Statistics:	Forecast values
Trials	50,000
Mean	31,136.45
Median	26,153.98
Mode	---
Standard Deviation	20,410.97
Variance	416,607,506.08
Skewness	1.77
Kurtosis	7.86
Coefficient of Variability	0.6555
Minimum	1,368.52
Maximum	220,968.89
Range Width	219,600.37
Mean Standard Error	91.28

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

Percentiles:	BCFG
P100	1,368.52
P95	8,669.39
P90	11,248.74
P85	13,268.10
P80	15,101.82
P75	16,855.17
P70	18,657.30
P65	20,389.19
P60	22,220.62
P55	24,140.12
P50	26,153.77
P45	28,372.89
P40	30,695.14
P35	33,310.97
P30	36,320.58
P25	39,706.46
P20	43,983.40
P15	49,437.10
P10	57,073.91
P5	70,336.30
P0	220,968.89

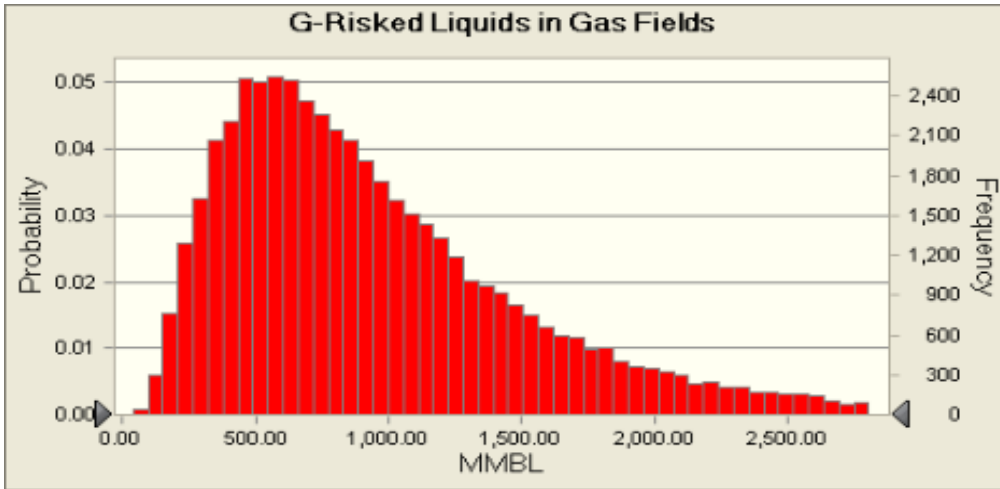
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: G-Risked Liquids in Gas Fields

Summary:

Entire range is from 38.54 to 6,857.31

After 50,000 trials, the standard error of the mean is 2.91



Statistics:	Forecast values
Trials	50,000
Mean	983.54
Median	824.93
Mode	---
Standard Deviation	650.77
Variance	423,497.82
Skewness	1.76
Kurtosis	7.83
Coefficient of Variability	0.6617
Minimum	38.54
Maximum	6,857.31
Range Width	6,818.78
Mean Standard Error	2.91

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

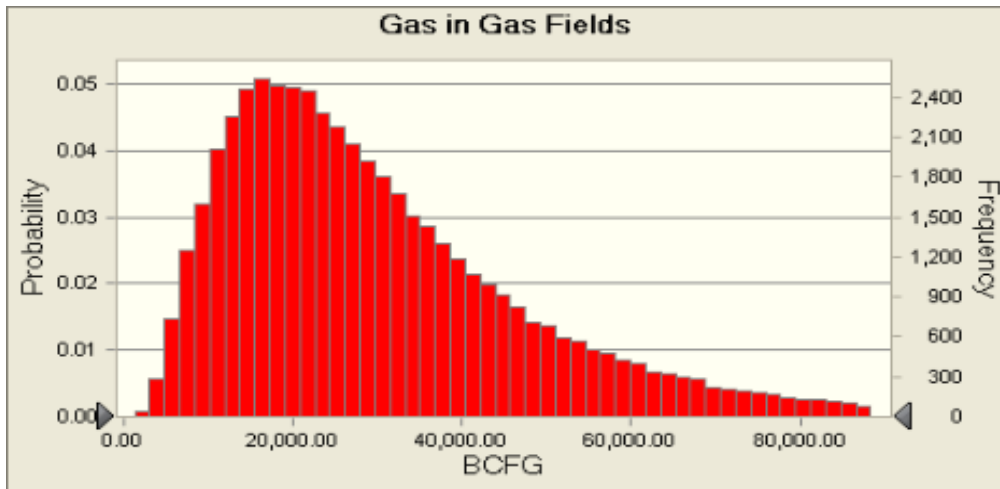
Percentiles:	MMBL
P100	38.54
P95	269.19
P90	348.83
P85	413.92
P80	471.93
P75	527.90
P70	583.89
P65	639.68
P60	697.74
P55	759.06
P50	824.92
P45	893.44
P40	968.44
P35	1,054.66
P30	1,148.22
P25	1,258.56
P20	1,395.62
P15	1,567.31
P10	1,812.27
P5	2,240.89
P0	6,857.31

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Conditional Gas in Gas Fields

Summary:

Entire range is from 1,368.52 to 220,968.89
 Filter range is from 0.00 to Infinity
 After 50,000 trials, the standard error of the mean is 91.28



Statistics:	Forecast values
Trials	50,000
Mean	31,136.45
Median	26,153.98
Mode	---
Standard Deviation	20,410.97
Variance	416,607,506.08
Skewness	1.77
Kurtosis	7.86
Coefficient of Variability	0.6555
Minimum	1,368.52
Maximum	220,968.89
Range Width	219,600.37
Mean Standard Error	91.28

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

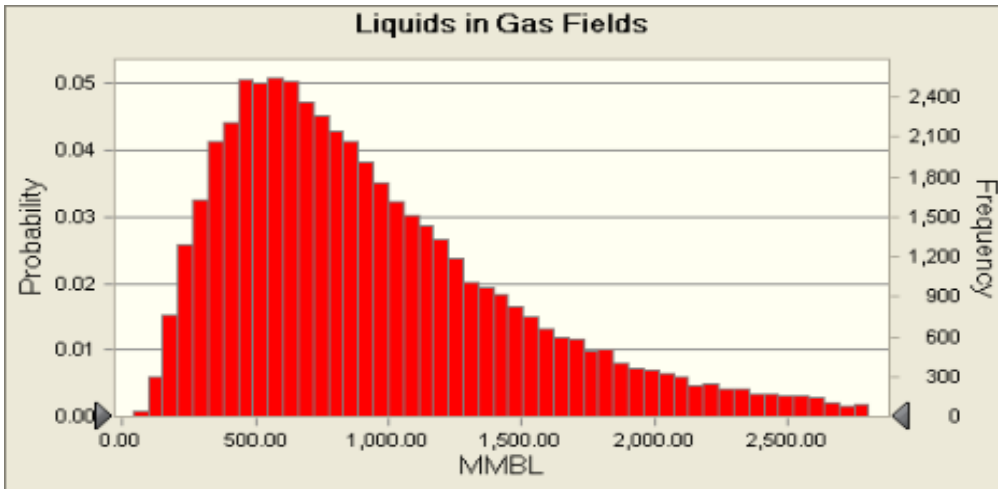
Percentiles:	BCFG
P100	1,368.52
P95	8,669.39
P90	11,248.74
P85	13,268.10
P80	15,101.82
P75	16,855.17
P70	18,657.30
P65	20,389.19
P60	22,220.62
P55	24,140.12
P50	26,153.77
P45	28,372.89
P40	30,695.14
P35	33,310.97
P30	36,320.58
P25	39,706.46
P20	43,983.40
P15	49,437.10
P10	57,073.91
P5	70,336.30
P0	220,968.89

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Conditional Liquids in Gas Fields

Summary:

Entire range is from 38.54 to 6,857.31
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.91



Statistics:	Forecast values
Trials	50,000
Mean	983.54
Median	824.93
Mode	---
Standard Deviation	650.77
Variance	423,497.82
Skewness	1.76
Kurtosis	7.83
Coefficient of Variability	0.6617
Minimum	38.54
Maximum	6,857.31
Range Width	6,818.78
Mean Standard Error	2.91

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

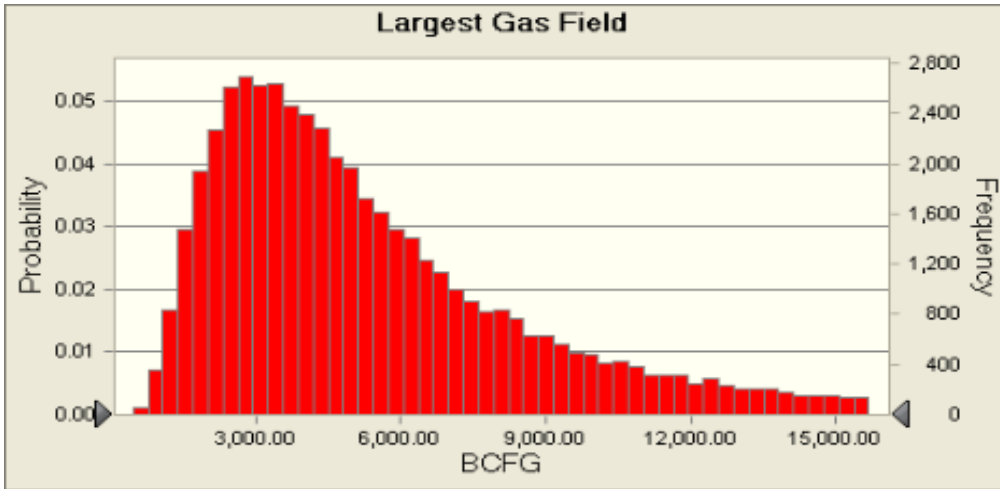
Percentiles:	MMBL
P100	38.54
P95	269.19
P90	348.83
P85	413.92
P80	471.93
P75	527.90
P70	583.89
P65	639.68
P60	697.74
P55	759.06
P50	824.92
P45	893.44
P40	968.44
P35	1,054.66
P30	1,148.22
P25	1,258.56
P20	1,395.62
P15	1,567.31
P10	1,812.27
P5	2,240.89
P0	6,857.31

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Largest Gas Field

Summary:

Entire range is from 447.98 to 19,999.65
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 16.17



Statistics:	Forecast values
Trials	50,000
Mean	5,560.26
Median	4,547.04
Mode	---
Standard Deviation	3,615.08
Variance	13,068,801.96
Skewness	1.43
Kurtosis	4.99
Coefficient of Variability	0.6502
Minimum	447.98
Maximum	19,999.65
Range Width	19,551.67
Mean Standard Error	16.17

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Forecast: Largest Gas Field (cont'd)

Percentiles:	BCFG
P100	447.98
P95	1,652.03
P90	2,052.69
P85	2,385.41
P80	2,680.23
P75	2,966.03
P70	3,265.91
P65	3,560.11
P60	3,878.26
P55	4,201.93
P50	4,546.92
P45	4,930.23
P40	5,359.74
P35	5,839.41
P30	6,397.08
P25	7,071.55
P20	7,941.92
P15	9,032.36
P10	10,621.11
P5	13,297.53
P0	19,999.65

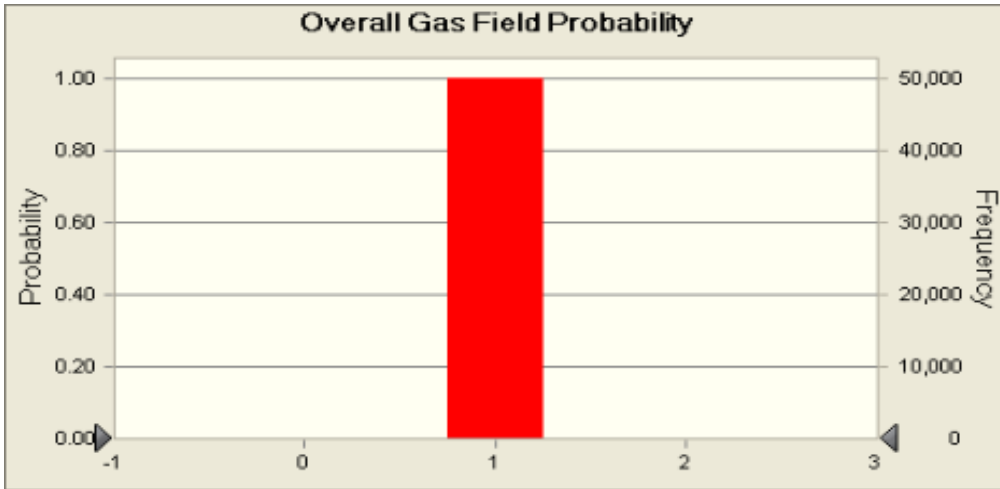
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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:

Trials	50,000
Mean	1.0000
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 values

= the probability of at least one
undiscovered gas accumulation of
minimum size or larger

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

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

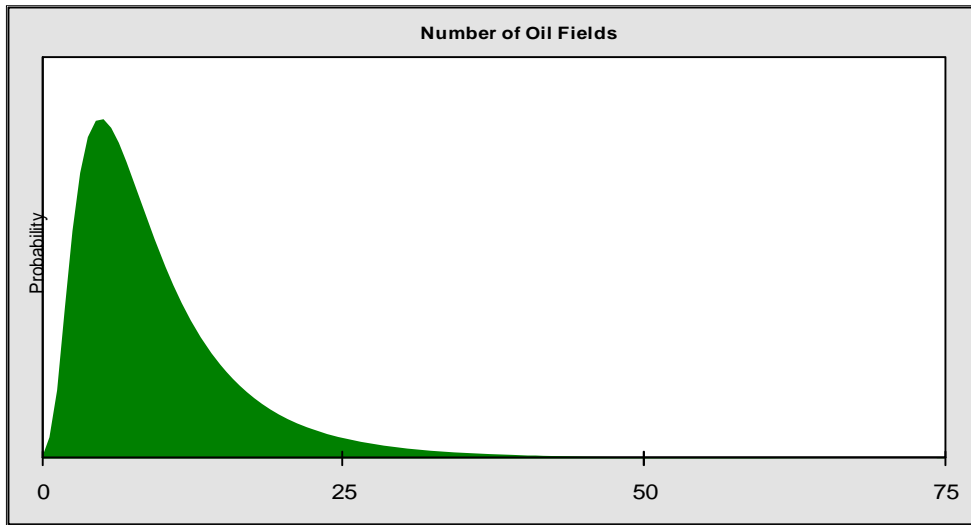
Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:

Mean 10.03
Standard Deviation 7.59

Selected range is from 0.00 to 64.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	9.96	9.96
Median	7.95	7.99
Mode	---	---
Standard Deviation	7.31	7.26
Variance	53.42	52.76
Skewness	2.14	2.11
Kurtosis	9.95	9.71
Coefficient of Variability	0.7340	0.7290
Minimum	0.48	0.00
Maximum	63.94	64.00
Range Width	63.45	64.00
Mean Standard Error	0.03	---

11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: Number of Oil Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	0.48	0.00
P95	2.60	2.64
P90	3.35	3.38
P85	3.96	3.98
P80	4.51	4.54
P75	5.06	5.08
P70	5.60	5.62
P65	6.15	6.17
P60	6.71	6.74
P55	7.30	7.35
P50	7.95	7.99
P45	8.67	8.70
P40	9.47	9.48
P35	10.36	10.36
P30	11.38	11.37
P25	12.59	12.58
P20	14.07	14.07
P15	16.05	16.03
P10	18.88	18.89
P5	24.10	24.05
P0	63.94	64.00

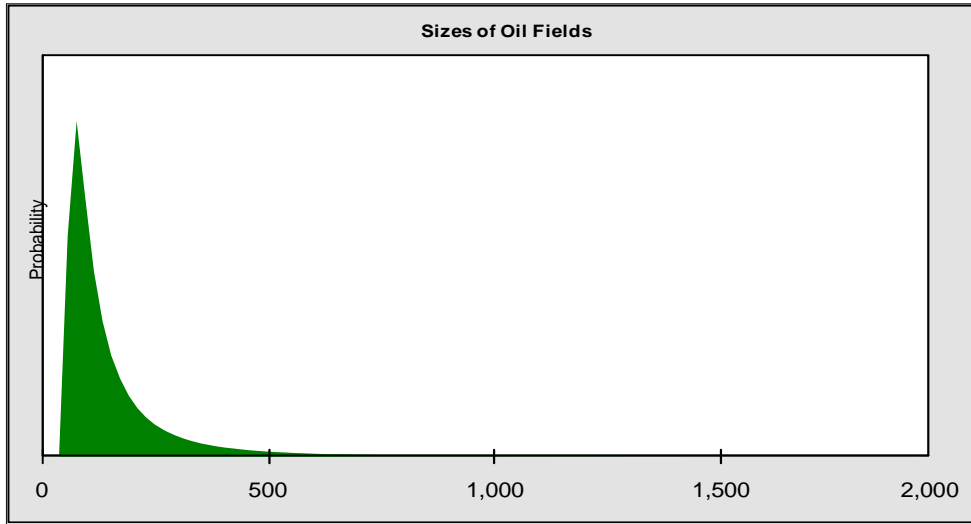
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:

Mean 163.18
Standard Deviation 181.02

Selected range is from 50.00 to 2,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	161.29	160.48
Median	110.20	109.92
Mode	---	---
Standard Deviation	157.29	155.68
Variance	24,739.78	24,235.59
Skewness	4.26	4.20
Kurtosis	29.89	29.23
Coefficient of Variability	0.98	0.97
Minimum	50.87	50.00
Maximum	1,992.56	2,000.00
Range Width	1,941.69	1,950.00
Mean Standard Error	0.70	---

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Assumption: Sizes of Oil Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	50.87	50.00
P95	59.48	59.40
P90	64.27	64.15
P85	68.81	68.65
P80	73.63	73.23
P75	78.49	78.04
P70	83.60	83.20
P65	89.28	88.83
P60	95.44	95.05
P55	102.38	102.01
P50	110.20	109.92
P45	119.27	119.02
P40	130.17	129.68
P35	143.12	142.43
P30	158.91	158.08
P25	179.17	177.94
P20	204.95	204.36
P15	242.82	242.08
P10	304.89	302.75
P5	426.49	428.85
P0	1,992.56	2,000.00

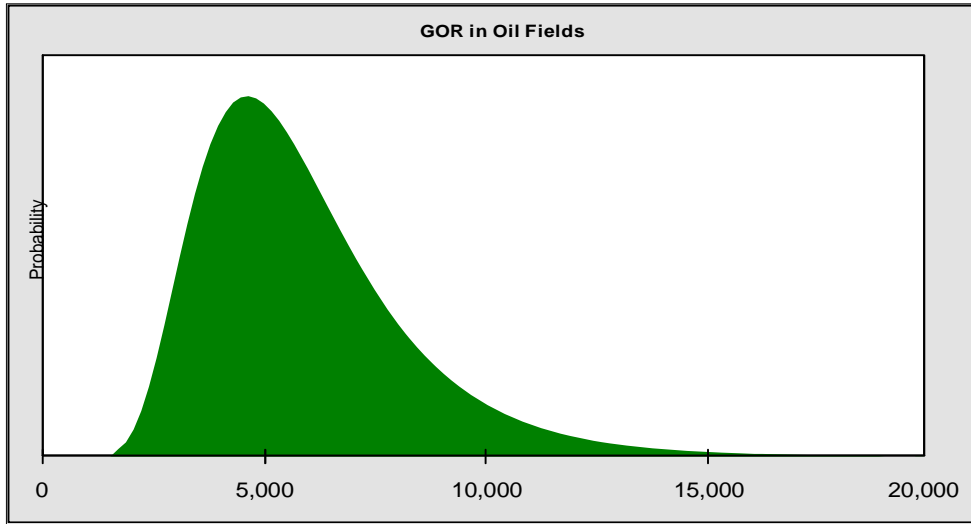
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Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:

Mean 5,968.89
Standard Deviation 2,423.34

Selected range is from 500.00 to 19,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	5,959.71	5,953.39
Median	5,519.15	5,497.35
Mode	---	---
Standard Deviation	2,377.02	2,373.27
Variance	5,650,205.27	5,632,401.57
Skewness	1.22	1.23
Kurtosis	5.15	5.20
Coefficient of Variability	0.3988	0.3986
Minimum	1,310.97	500.00
Maximum	18,977.26	19,000.00
Range Width	17,666.30	18,500.00
Mean Standard Error	10.63	---

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Assumption: GOR in Oil Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	1,310.97	500.00
P95	2,988.21	2,991.26
P90	3,408.71	3,405.42
P85	3,720.05	3,723.06
P80	3,988.69	4,000.08
P75	4,253.22	4,256.62
P70	4,507.70	4,502.97
P65	4,751.68	4,745.63
P60	5,006.64	4,989.45
P55	5,259.15	5,238.64
P50	5,519.14	5,497.35
P45	5,789.31	5,770.13
P40	6,075.73	6,062.51
P35	6,389.09	6,381.68
P30	6,743.48	6,737.76
P25	7,147.41	7,146.05
P20	7,622.10	7,631.90
P15	8,260.04	8,242.55
P10	9,088.30	9,083.93
P5	10,550.79	10,494.24
P0	18,977.26	19,000.00

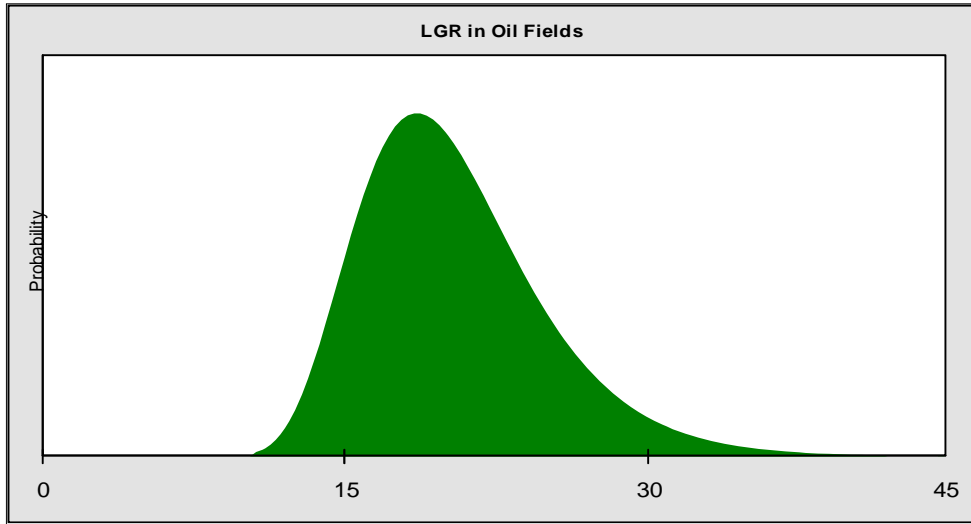
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Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:

Mean 20.65
Standard Deviation 4.67

Selected range is from 5.00 to 42.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	20.66	20.63
Median	20.01	19.99
Mode	---	---
Standard Deviation	4.63	4.61
Variance	21.47	21.25
Skewness	0.8238	0.8172
Kurtosis	3.95	3.91
Coefficient of Variability	0.2243	0.2234
Minimum	9.07	5.00
Maximum	41.94	42.00
Range Width	32.86	37.00
Mean Standard Error	0.02	---

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Assumption: LGR in Oil Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	9.07	5.00
P95	14.30	14.27
P90	15.33	15.31
P85	16.08	16.08
P80	16.73	16.73
P75	17.31	17.31
P70	17.87	17.87
P65	18.42	18.40
P60	18.95	18.93
P55	19.47	19.45
P50	20.01	19.99
P45	20.58	20.55
P40	21.18	21.15
P35	21.80	21.78
P30	22.50	22.47
P25	23.31	23.26
P20	24.23	24.17
P15	25.34	25.28
P10	26.81	26.78
P5	29.19	29.19
P0	41.94	42.00

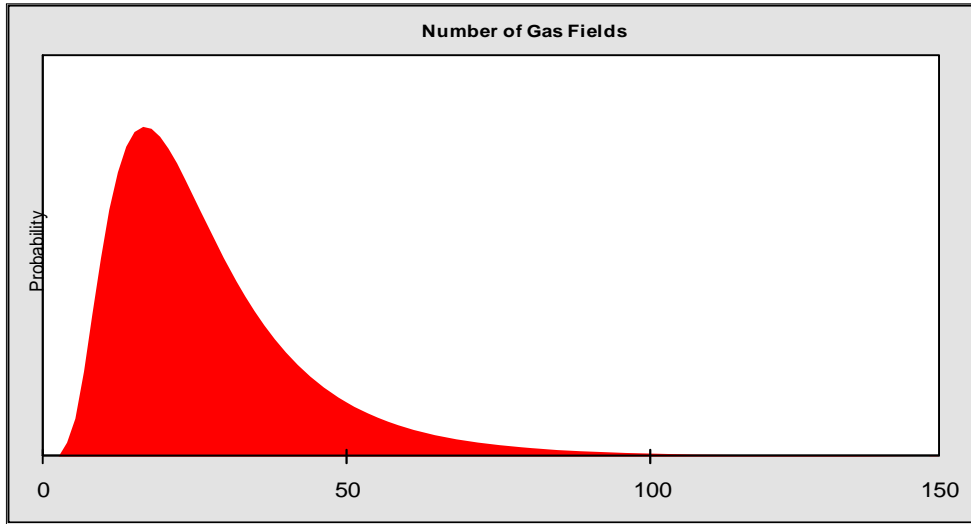
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Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: Number of Gas Fields

Lognormal distribution with parameters:

Mean 28.39
Standard Deviation 17.73

Selected range is from 1.00 to 144.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	28.20	28.25
Median	23.84	23.98
Mode	---	---
Standard Deviation	17.23	17.12
Variance	297.04	293.04
Skewness	1.83	1.80
Kurtosis	8.01	7.88
Coefficient of Variability	0.6111	0.6059
Minimum	2.73	1.00
Maximum	143.90	144.00
Range Width	141.18	143.00
Mean Standard Error	0.08	---

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Northern West Siberian Onshore Gas
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Assumption: Number of Gas Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	2.73	1.00
P95	9.61	9.69
P90	11.68	11.78
P85	13.36	13.46
P80	14.91	14.98
P75	16.36	16.43
P70	17.74	17.86
P65	19.20	19.30
P60	20.66	20.79
P55	22.22	22.34
P50	23.84	23.98
P45	25.63	25.75
P40	27.58	27.69
P35	29.76	29.86
P30	32.23	32.33
P25	35.15	35.23
P20	38.77	38.77
P15	43.39	43.36
P10	49.88	49.93
P5	61.68	61.51
P0	143.90	144.00

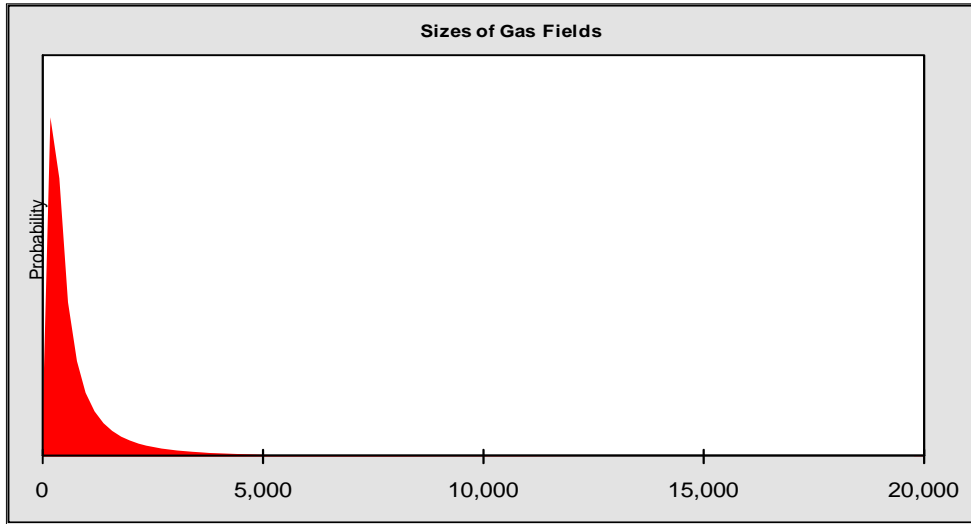
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Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:

Mean 1,132.90
Standard Deviation 1,737.73

Selected range is from 300.00 to 20,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,097.93	1,103.48
Median	655.61	659.42
Mode	---	---
Standard Deviation	1,367.35	1,387.23
Variance	1,869,644.36	1,924,401.17
Skewness	5.05	5.15
Kurtosis	40.77	41.81
Coefficient of Variability	1.25	1.26
Minimum	302.16	300.00
Maximum	19,935.00	20,000.00
Range Width	19,632.84	19,700.00
Mean Standard Error	6.11	---

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Assumption: Sizes of Gas Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	302.16	300.00
P95	343.09	342.73
P90	369.29	368.41
P85	394.20	393.96
P80	422.26	420.91
P75	451.47	450.12
P70	483.34	482.32
P65	517.25	518.28
P60	557.37	558.95
P55	603.45	605.48
P50	655.60	659.42
P45	717.07	722.87
P40	791.63	798.81
P35	881.71	891.65
P30	1,001.54	1,008.19
P25	1,154.00	1,159.77
P20	1,363.42	1,366.89
P15	1,663.51	1,671.71
P10	2,181.14	2,180.68
P5	3,280.83	3,295.07
P0	19,935.00	20,000.00

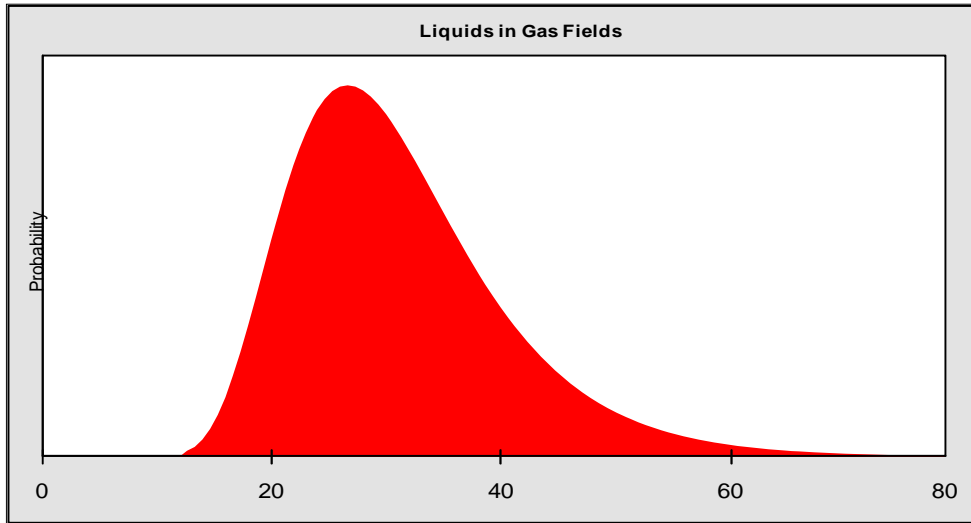
11740301
Northern West Siberian Onshore Gas
Monte Carlo Results

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:

Mean 31.63
Standard Deviation 9.78

Selected range is from 5.00 to 80.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	31.60	31.57
Median	29.97	29.99
Mode	---	---
Standard Deviation	9.63	9.61
Variance	92.69	92.39
Skewness	1.01	1.01
Kurtosis	4.43	4.46
Coefficient of Variability	0.3046	0.3044
Minimum	10.97	5.00
Maximum	79.96	80.00
Range Width	68.99	75.00
Mean Standard Error	0.04	---

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Northern West Siberian Onshore Gas
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Assumption: Liquids in Gas Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	10.97	5.00
P95	19.01	18.93
P90	20.87	20.85
P85	22.32	22.29
P80	23.58	23.53
P75	24.69	24.66
P70	25.75	25.74
P65	26.78	26.79
P60	27.82	27.84
P55	28.89	28.90
P50	29.97	29.99
P45	31.14	31.13
P40	32.36	32.34
P35	33.67	33.65
P30	35.12	35.10
P25	36.82	36.75
P20	38.73	38.69
P15	41.17	41.09
P10	44.48	44.36
P5	49.90	49.72
P0	79.96	80.00

End of Assumptions

Simulation started on 3/7/2008 at 15:24:07
Simulation stopped on 3/7/2008 at 15:43:27