

50330101
Eastern Basin Margin Upper Fort Union Sandstone
Monte Carlo Results

Forecast: Gas in Gas Fields

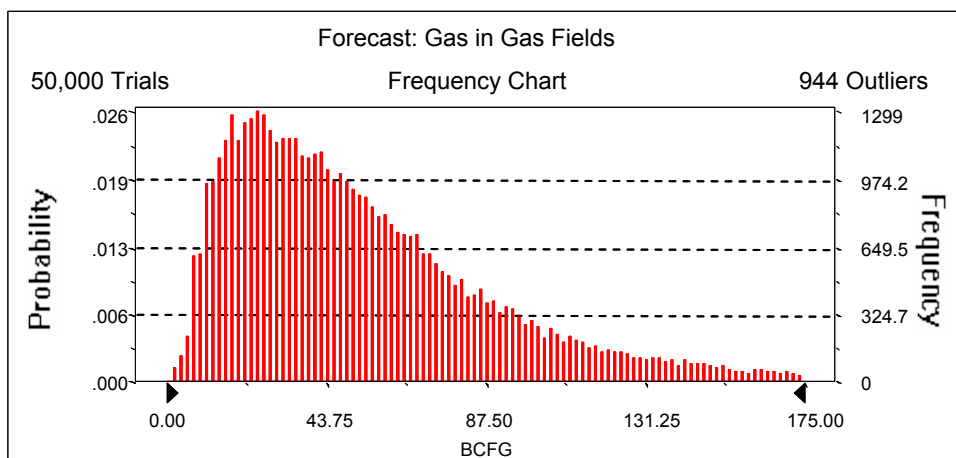
Summary:

Display range is from 0.00 to 175.00 BCFG

Entire range is from 3.01 to 464.45 BCFG

After 50,000 trials, the standard error of the mean is 0.18

| Statistics: | Value |
|----------------------------|----------|
| Trials | 50000 |
| Mean | 56.14 |
| Median | 46.16 |
| Mode | --- |
| Standard Deviation | 40.85 |
| Variance | 1,668.54 |
| Skewness | 1.77 |
| Kurtosis | 7.98 |
| Coefficient of Variability | 0.73 |
| Range Minimum | 3.01 |
| Range Maximum | 464.45 |
| Range Width | 461.45 |
| Mean Standard Error | 0.18 |



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Forecast: Gas in Gas Fields (cont'd)

Percentiles:

| <u>Percentile</u> | <u>BCFG</u> |
|-------------------|-------------|
| 100% | 3.01 |
| 95% | 12.07 |
| 90% | 16.31 |
| 85% | 19.88 |
| 80% | 23.47 |
| 75% | 26.86 |
| 70% | 30.41 |
| 65% | 34.13 |
| 60% | 37.97 |
| 55% | 42.01 |
| 50% | 46.16 |
| 45% | 50.69 |
| 40% | 55.52 |
| 35% | 60.83 |
| 30% | 66.85 |
| 25% | 73.52 |
| 20% | 81.92 |
| 15% | 92.79 |
| 10% | 107.84 |
| 5% | 135.74 |
| 0% | 464.45 |

End of Forecast

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Forecast: Largest Gas Field

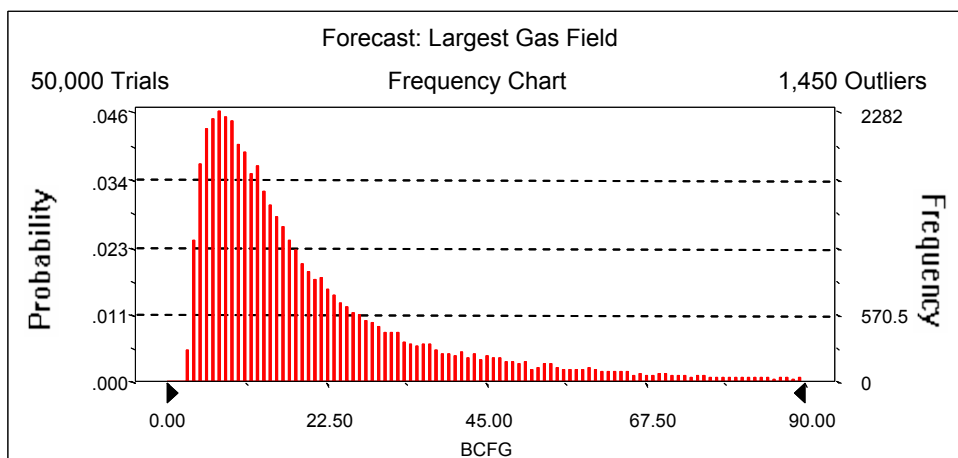
Summary:

Display range is from 0.00 to 90.00 BCFG

Entire range is from 3.01 to 199.91 BCFG

After 50,000 trials, the standard error of the mean is 0.11

| Statistics: | Value |
|----------------------------|--------|
| Trials | 50000 |
| Mean | 23.27 |
| Median | 15.27 |
| Mode | --- |
| Standard Deviation | 24.19 |
| Variance | 585.20 |
| Skewness | 3.02 |
| Kurtosis | 15.04 |
| Coefficient of Variability | 1.04 |
| Range Minimum | 3.01 |
| Range Maximum | 199.91 |
| Range Width | 196.90 |
| Mean Standard Error | 0.11 |



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Forecast: Largest Gas Field (cont'd)

Percentiles:

| <u>Percentile</u> | <u>BCFG</u> |
|-------------------|-------------|
| 100% | 3.01 |
| 95% | 5.01 |
| 90% | 6.11 |
| 85% | 7.12 |
| 80% | 8.10 |
| 75% | 9.09 |
| 70% | 10.15 |
| 65% | 11.29 |
| 60% | 12.52 |
| 55% | 13.80 |
| 50% | 15.27 |
| 45% | 16.90 |
| 40% | 18.83 |
| 35% | 21.16 |
| 30% | 23.87 |
| 25% | 27.34 |
| 20% | 31.94 |
| 15% | 38.61 |
| 10% | 48.89 |
| 5% | 69.94 |
| 0% | 199.91 |

End of Forecast

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Forecast: G-Risked Gas in Gas Fields

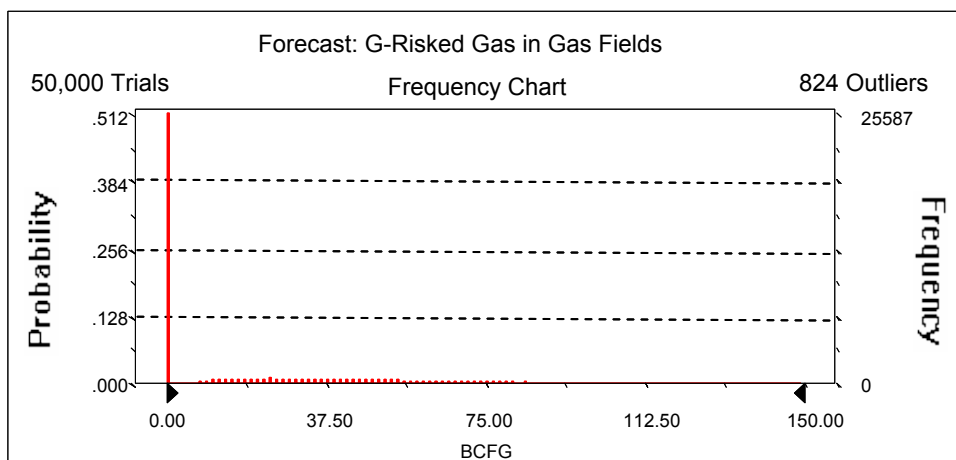
Summary:

Display range is from 0.00 to 150.00 BCFG

Entire range is from 0.00 to 360.21 BCFG

After 50,000 trials, the standard error of the mean is 0.18

| Statistics: | Value |
|----------------------------|----------|
| Trials | 50000 |
| Mean | 27.37 |
| Median | 0.00 |
| Mode | 0.00 |
| Standard Deviation | 39.78 |
| Variance | 1,582.68 |
| Skewness | 1.96 |
| Kurtosis | 7.97 |
| Coefficient of Variability | 1.45 |
| Range Minimum | 0.00 |
| Range Maximum | 360.21 |
| Range Width | 360.21 |
| Mean Standard Error | 0.18 |



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

Percentiles:

| <u>Percentile</u> | <u>BCFG</u> |
|-------------------|-------------|
| 100% | 0.00 |
| 95% | 0.00 |
| 90% | 0.00 |
| 85% | 0.00 |
| 80% | 0.00 |
| 75% | 0.00 |
| 70% | 0.00 |
| 65% | 0.00 |
| 60% | 0.00 |
| 55% | 0.00 |
| 50% | 0.00 |
| 45% | 14.47 |
| 40% | 22.15 |
| 35% | 29.22 |
| 30% | 36.98 |
| 25% | 45.18 |
| 20% | 54.38 |
| 15% | 65.89 |
| 10% | 81.12 |
| 5% | 107.43 |
| 0% | 360.21 |

End of Forecast

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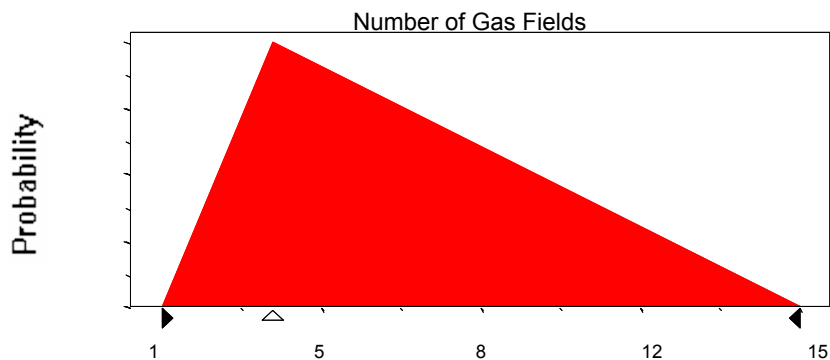
Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:

| | |
|-----------|----|
| Minimum | 1 |
| Likeliest | 3 |
| Maximum | 15 |

Selected range is from 1 to 15
Mean value in simulation was 6



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:

| | |
|--------------------|-------|
| Mean | 6.03 |
| Standard Deviation | 17.14 |

Shifted parameters

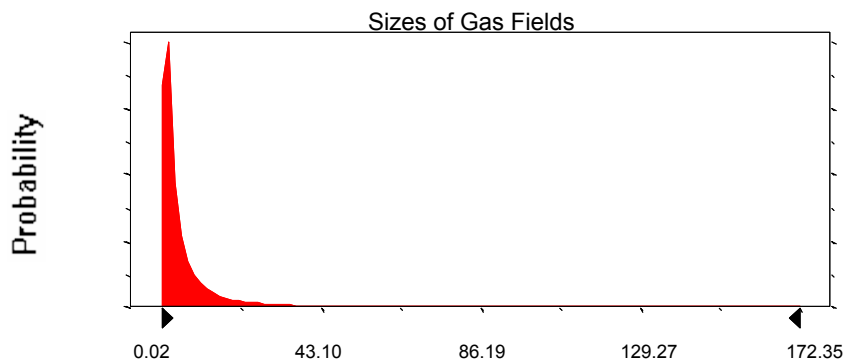
| |
|-------|
| 9.03 |
| 17.14 |

Selected range is from 0.00 to 197.00
Mean value in simulation was 5.64

3.00 to 200.00
8.64

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Assumption: Sizes of Gas Fields (cont'd)



Assumption: LGR in Gas Fields

Custom distribution with parameters:

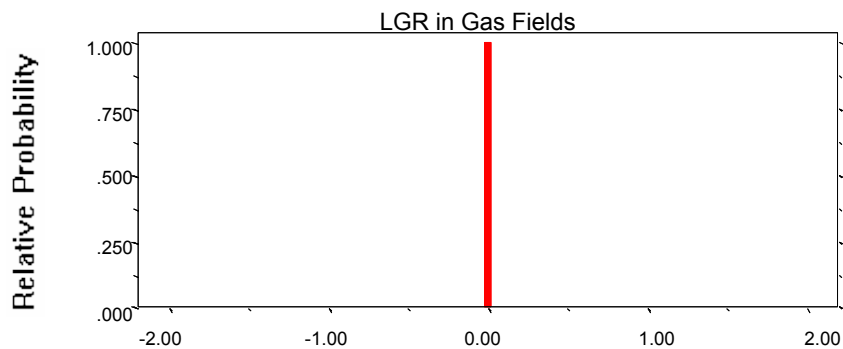
Single point 0.00
Total Relative Probability

Relative Prob.

1.000000

1.000000

Mean value in simulation was 0.00



End of Assumptions

Simulation started on 10/20/00 at 11:06:01

Simulation stopped on 10/20/00 at 11:18:39

