



**52430601**  
**Second White Specks-Cardium Gas**  
**Monte Carlo Results**

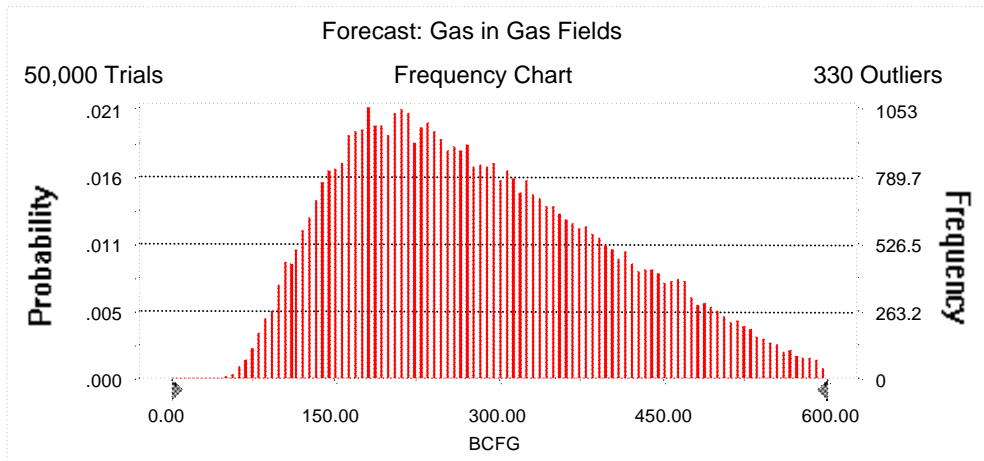
**Forecast: Gas in Gas Fields**

Summary:

Display range is from 0.00 to 600.00 BCFG  
 Entire range is from 45.69 to 744.64 BCFG  
 After 50,000 trials, the standard error of the mean is 0.54

Statistics:

	<u>Value</u>
Trials	50000
Mean	285.14
Median	268.02
Mode	---
Standard Deviation	120.18
Variance	14,443.47
Skewness	0.53
Kurtosis	2.64
Coefficient of Variability	0.42
Range Minimum	45.69
Range Maximum	744.64
Range Width	698.95
Mean Standard Error	0.54



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	45.69
95%	117.48
90%	141.00
85%	159.37
80%	175.51
75%	190.27
70%	205.52
65%	219.92
60%	235.72
55%	251.13
50%	268.02
45%	285.33
40%	303.66
35%	322.83
30%	343.60
25%	366.77
20%	392.43
15%	422.34
10%	459.04
5%	506.33
0%	744.64

End of Forecast

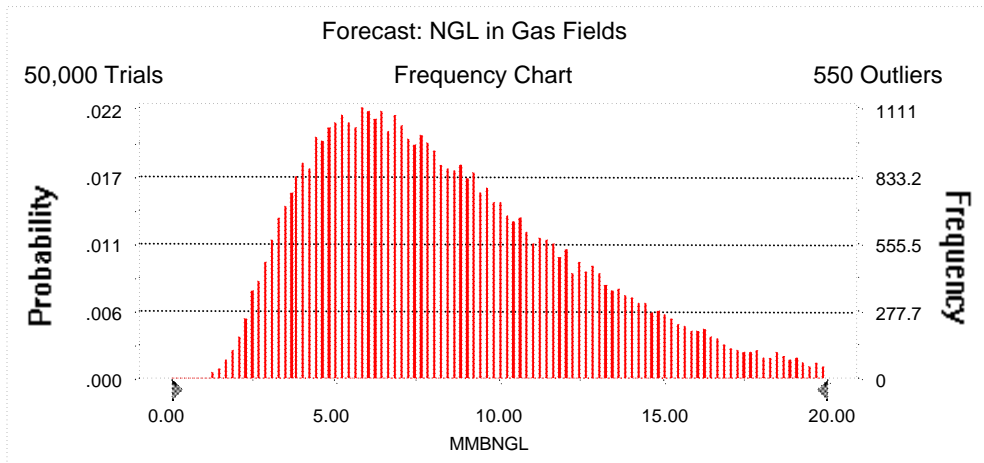
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**Forecast: NGL in Gas Fields**

Summary:

Display range is from 0.00 to 20.00 MMBNGL  
Entire range is from 0.86 to 29.50 MMBNGL  
After 50,000 trials, the standard error of the mean is 0.02

Statistics:	<u>Value</u>
Trials	50000
Mean	8.54
Median	7.82
Mode	---
Standard Deviation	4.08
Variance	16.65
Skewness	0.83
Kurtosis	3.48
Coefficient of Variability	0.48
Range Minimum	0.86
Range Maximum	29.50
Range Width	28.64
Mean Standard Error	0.02



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**Forecast: NGL in Gas Fields (cont'd)**

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.86
95%	3.20
90%	3.88
85%	4.45
80%	4.96
75%	5.43
70%	5.90
65%	6.36
60%	6.83
55%	7.31
50%	7.82
45%	8.35
40%	8.93
35%	9.53
30%	10.21
25%	10.98
20%	11.88
15%	12.94
10%	14.26
5%	16.30
0%	29.50

End of Forecast

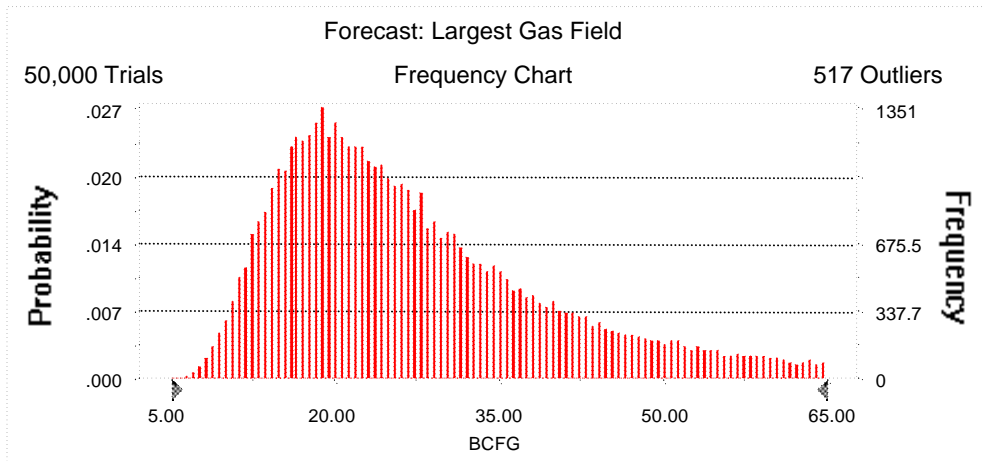
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**Forecast: Largest Gas Field**

Summary:

Display range is from 5.00 to 65.00 BCFG  
Entire range is from 5.51 to 69.99 BCFG  
After 50,000 trials, the standard error of the mean is 0.06

Statistics:	<u>Value</u>
Trials	50000
Mean	27.50
Median	24.48
Mode	---
Standard Deviation	12.60
Variance	158.76
Skewness	1.04
Kurtosis	3.70
Coefficient of Variability	0.46
Range Minimum	5.51
Range Maximum	69.99
Range Width	64.48
Mean Standard Error	0.06



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**Forecast: Largest Gas Field (cont'd)**

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	5.51
95%	12.31
90%	14.19
85%	15.67
80%	16.94
75%	18.18
70%	19.34
65%	20.54
60%	21.80
55%	23.09
50%	24.48
45%	25.99
40%	27.61
35%	29.42
30%	31.49
25%	34.02
20%	36.97
15%	40.76
10%	45.92
5%	53.75
0%	69.99

End of Forecast

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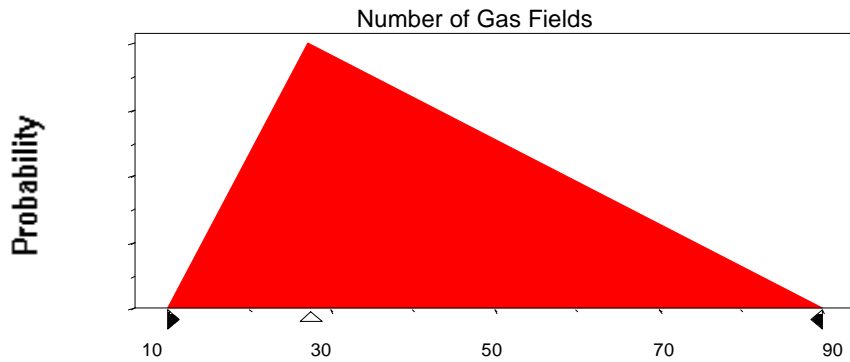
**Assumptions**

**Assumption: Number of Gas Fields**

Triangular distribution with parameters:

Minimum	10
Likeliest	28
Maximum	90

Selected range is from 10 to 90  
Mean value in simulation was 42



**Assumption: Sizes of Gas Fields**

Lognormal distribution with parameters:

Mean	3.81
Standard Deviation	6.20

Shifted parameters

6.81
6.2

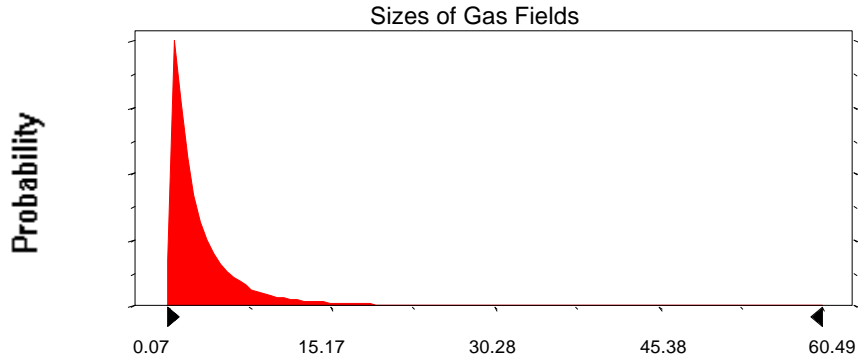
Selected range is from 0.00 to 67.00  
Mean value in simulation was 3.75

3.00 to 70.00  
6.75



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Assumption: Sizes of Gas Fields (cont'd)



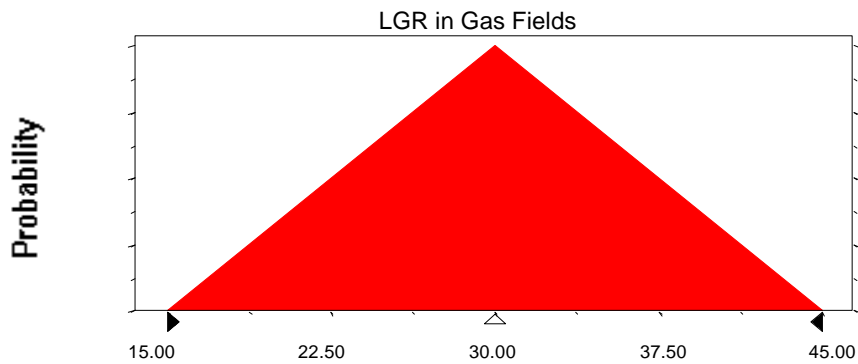
Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	15.00
Likeliest	30.00
Maximum	45.00

Selected range is from 15.00 to 45.00

Mean value in simulation was 29.95



End of Assumptions

Simulation started on 8/11/99 at 15:23:29

Simulation stopped on 8/11/99 at 15:48:28