

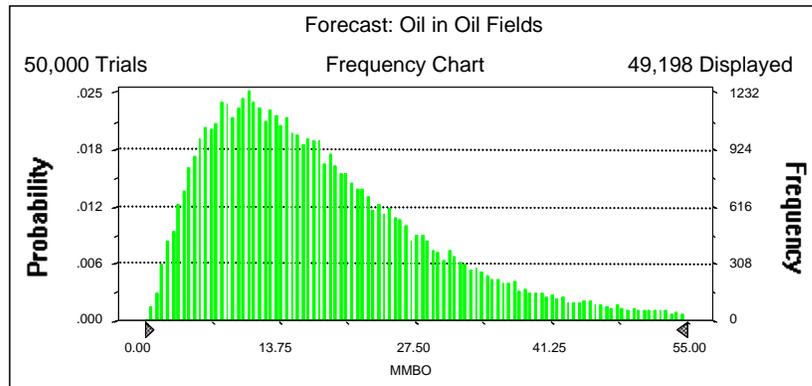
50350101  
Tensleep-Park City Oil and Gas  
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**Forecast: Oil in Oil Fields**

Summary:

Display range is from 0.00 to 55.00 MMBO  
Entire range is from 0.54 to 125.54 MMBO  
After 50,000 trials, the standard error of the mean is 0.05

Statistics:	Value
Trials	50000
Mean	18.42
Median	15.75
Mode	---
Standard Deviation	12.18
Variance	148.41
Skewness	1.44
Kurtosis	6.08
Coefficient of Variability	0.66
Range Minimum	0.54
Range Maximum	125.54
Range Width	125.00
Mean Standard Error	0.05



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

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	0.54
95%	4.22
90%	5.82
85%	7.15
80%	8.38
75%	9.58
70%	10.76
65%	11.92
60%	13.15
55%	14.43
50%	15.75
45%	17.17
40%	18.66
35%	20.30
30%	22.13
25%	24.28
20%	26.72
15%	29.96
10%	34.33
5%	41.97
0%	125.54

End of Forecast

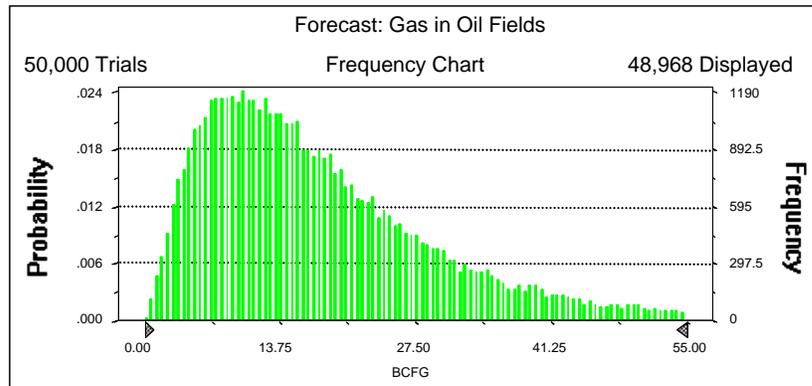
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**Forecast: Gas in Oil Fields**

Summary:

Display range is from 0.00 to 55.00 BCFG  
Entire range is from 0.40 to 128.36 BCFG  
After 50,000 trials, the standard error of the mean is 0.06

Statistics:	Value
Trials	50000
Mean	18.47
Median	15.33
Mode	---
Standard Deviation	13.11
Variance	171.99
Skewness	1.67
Kurtosis	7.35
Coefficient of Variability	0.71
Range Minimum	0.40
Range Maximum	128.36
Range Width	127.96
Mean Standard Error	0.06



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	0.40
95%	3.86
90%	5.42
85%	6.74
80%	7.93
75%	9.12
70%	10.30
65%	11.50
60%	12.73
55%	13.98
50%	15.33
45%	16.75
40%	18.36
35%	20.04
30%	22.05
25%	24.34
20%	27.01
15%	30.46
10%	35.36
5%	43.86
0%	128.36

End of Forecast

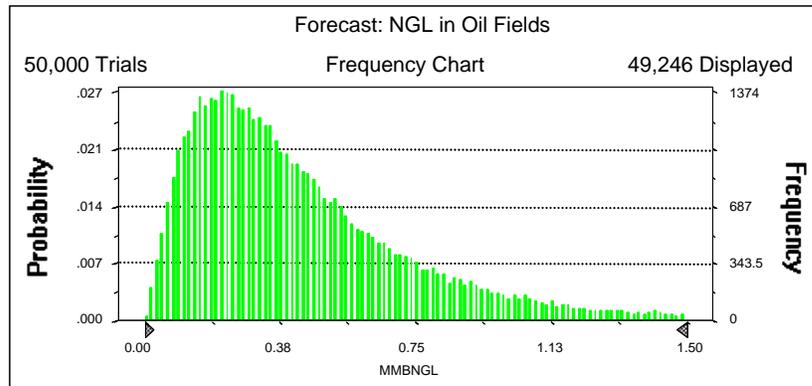
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**Forecast: NGL in Oil Fields**

Summary:

Display range is from 0.00 to 1.50 MMBNGL  
Entire range is from 0.01 to 3.28 MMBNGL  
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.44
Median	0.36
Mode	---
Standard Deviation	0.33
Variance	0.11
Skewness	1.81
Kurtosis	8.07
Coefficient of Variability	0.75
Range Minimum	0.01
Range Maximum	3.28
Range Width	3.27
Mean Standard Error	0.00



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

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.01
95%	0.09
90%	0.12
85%	0.15
80%	0.18
75%	0.21
70%	0.24
65%	0.27
60%	0.30
55%	0.33
50%	0.36
45%	0.39
40%	0.43
35%	0.48
30%	0.52
25%	0.58
20%	0.65
15%	0.74
10%	0.87
5%	1.09
0%	3.28

End of Forecast

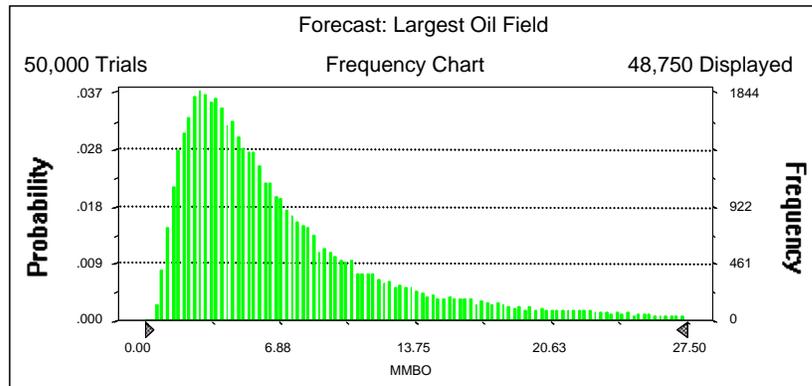
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**Forecast: Largest Oil Field**

Summary:

Display range is from 0.00 to 27.50 MMBO  
Entire range is from 0.54 to 49.99 MMBO  
After 50,000 trials, the standard error of the mean is 0.03

Statistics:	Value
Trials	50000
Mean	7.58
Median	5.51
Mode	---
Standard Deviation	6.71
Variance	45.09
Skewness	2.42
Kurtosis	10.58
Coefficient of Variability	0.89
Range Minimum	0.54
Range Maximum	49.99
Range Width	49.45
Mean Standard Error	0.03



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

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	0.54
95%	1.68
90%	2.16
85%	2.57
80%	2.94
75%	3.32
70%	3.71
65%	4.11
60%	4.54
55%	5.00
50%	5.51
45%	6.03
40%	6.66
35%	7.37
30%	8.22
25%	9.29
20%	10.65
15%	12.56
10%	15.53
5%	21.07
0%	49.99

End of Forecast

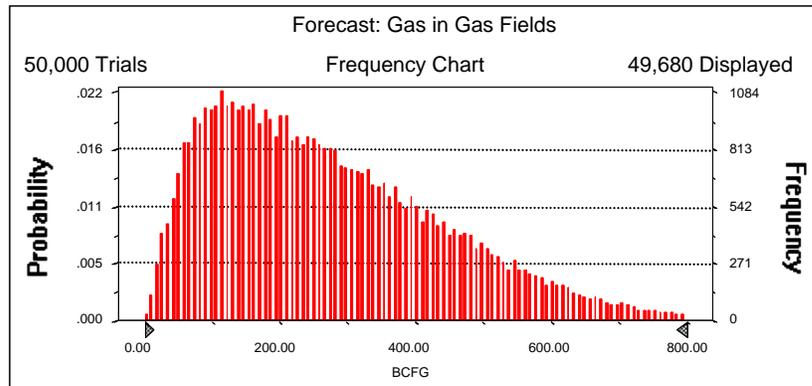
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**Forecast: Gas in Gas Fields**

Summary:

Display range is from 0.00 to 800.00 BCFG  
Entire range is from 3.26 to 1,312.41 BCFG  
After 50,000 trials, the standard error of the mean is 0.77

Statistics:	Value
Trials	50000
Mean	274.80
Median	243.50
Mode	---
Standard Deviation	172.17
Variance	29,642.22
Skewness	0.84
Kurtosis	3.43
Coefficient of Variability	0.63
Range Minimum	3.26
Range Maximum	1,312.41
Range Width	1,309.15
Mean Standard Error	0.77



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	3.26
95%	55.49
90%	78.31
85%	98.78
80%	117.97
75%	137.66
70%	157.61
65%	177.49
60%	198.99
55%	220.13
50%	243.50
45%	267.02
40%	292.17
35%	320.07
30%	349.47
25%	382.27
20%	419.35
15%	463.37
10%	517.41
5%	599.59
0%	1,312.41

End of Forecast

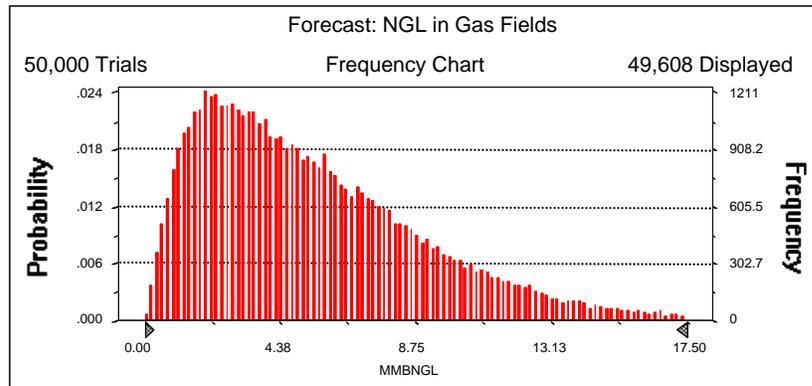
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**Forecast: NGL in Gas Fields**

Summary:

Display range is from 0.00 to 17.50 MMBNGL  
Entire range is from 0.05 to 30.07 MMBNGL  
After 50,000 trials, the standard error of the mean is 0.02

Statistics:	Value
Trials	50000
Mean	5.49
Median	4.71
Mode	---
Standard Deviation	3.68
Variance	13.57
Skewness	1.12
Kurtosis	4.50
Coefficient of Variability	0.67
Range Minimum	0.05
Range Maximum	30.07
Range Width	30.02
Mean Standard Error	0.02



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

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.05
95%	1.04
90%	1.50
85%	1.89
80%	2.26
75%	2.64
70%	3.02
65%	3.42
60%	3.82
55%	4.25
50%	4.71
45%	5.20
40%	5.71
35%	6.25
30%	6.88
25%	7.54
20%	8.31
15%	9.27
10%	10.56
5%	12.55
0%	30.07

End of Forecast

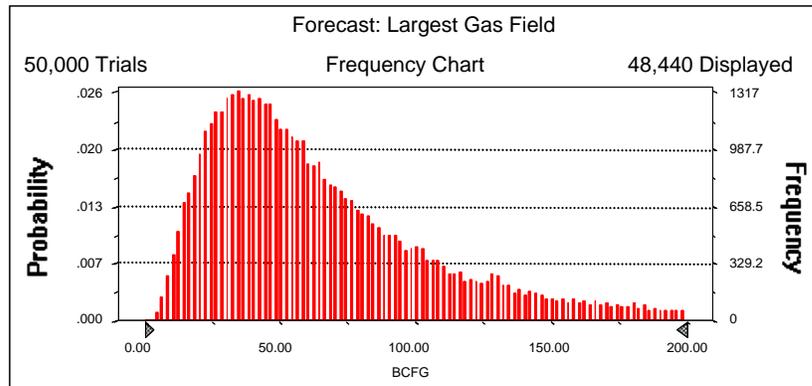
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**Forecast: Largest Gas Field**

Summary:

Display range is from 0.00 to 200.00 BCFG  
Entire range is from 3.26 to 299.91 BCFG  
After 50,000 trials, the standard error of the mean is 0.22

Statistics:	Value
Trials	50000
Mean	69.70
Median	55.82
Mode	---
Standard Deviation	49.82
Variance	2,482.26
Skewness	1.67
Kurtosis	6.19
Coefficient of Variability	0.71
Range Minimum	3.26
Range Maximum	299.91
Range Width	296.65
Mean Standard Error	0.22



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	3.26
95%	17.39
90%	22.85
85%	27.24
80%	31.35
75%	35.17
70%	39.00
65%	42.89
60%	46.86
55%	51.17
50%	55.82
45%	60.70
40%	66.32
35%	72.71
30%	80.04
25%	88.89
20%	99.81
15%	113.93
10%	134.74
5%	174.38
0%	299.91

End of Forecast

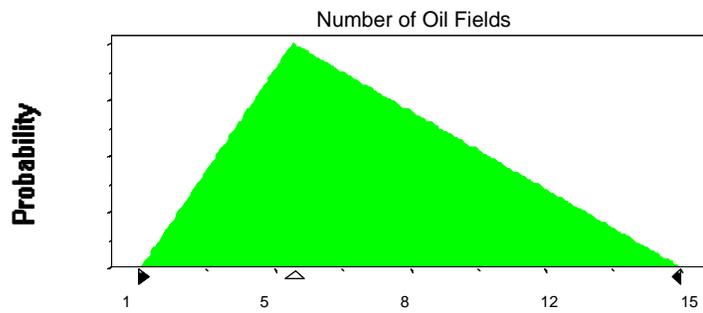
**Assumptions**

**Assumption: Number of Oil Fields**

Triangular distribution with parameters:

Minimum	1
Likeliest	5
Maximum	15

Selected range is from 1 to 15



**Assumption: Sizes of Oil Fields**

Lognormal distribution with parameters:

Mean	2.22
Standard Deviation	4.40

Shifted parameters

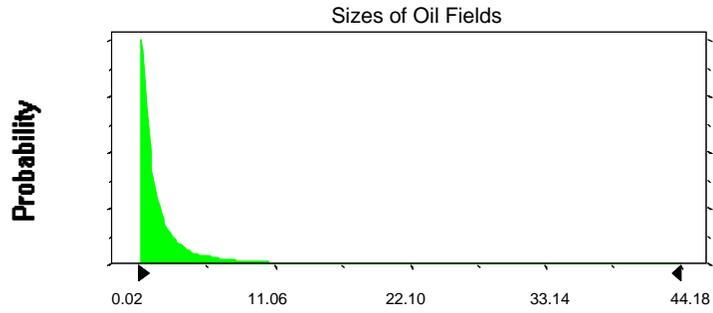
2.72
4.40

Selected range is from 0.00 to 49.50

0.50 to 50.00

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**Assumption: Sizes of Oil Fields (cont'd)**

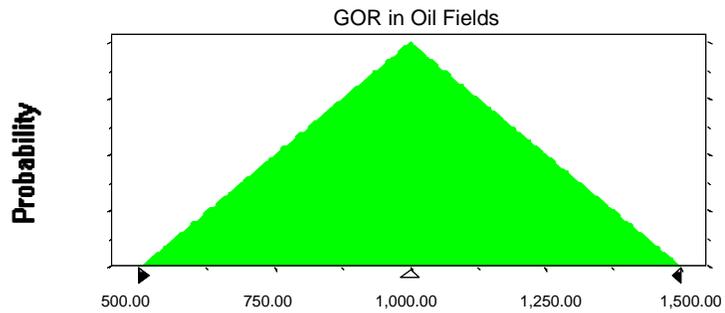


**Assumption: GOR in Oil Fields**

Triangular distribution with parameters:

Minimum	500.00
Likeliest	1,000.00
Maximum	1,500.00

Selected range is from 500.00 to 1,500.00



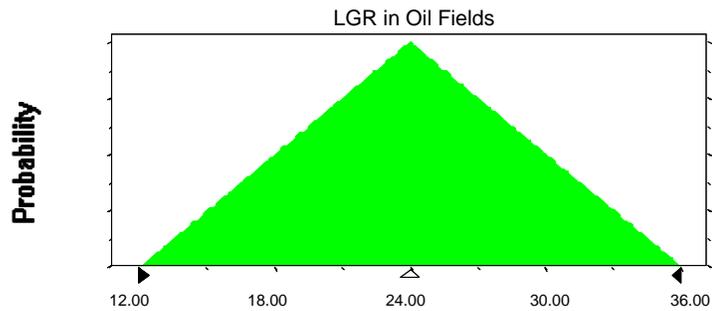
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**Assumption: LGR in Oil Fields**

Triangular distribution with parameters:

Minimum	12.00
Likeliest	24.00
Maximum	36.00

Selected range is from 12.00 to 36.00



**Assumption: Number of Gas Fields**

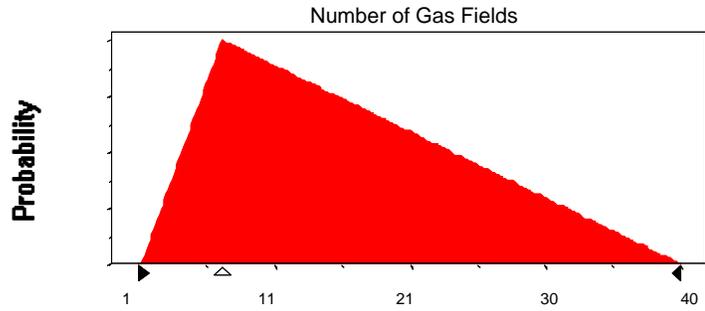
Triangular distribution with parameters:

Minimum	1
Likeliest	7
Maximum	40

Selected range is from 1 to 40

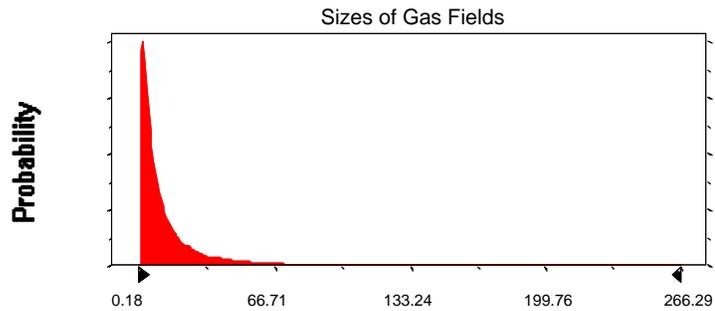
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**Assumption: Number of Gas Fields (cont'd)**



**Assumption: Sizes of Gas Fields**

Lognormal distribution with parameters:		Shifted parameters
Mean	14.61	17.61
Standard Deviation	26.75	26.75
Selected range is from 0.00 to 297.00		3.00 to 300.00



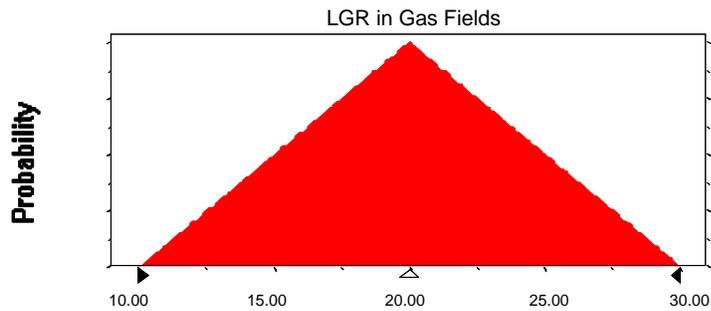
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**Assumption: LGR in Gas Fields**

Triangular distribution with parameters:

Minimum	10.00
Likeliest	20.00
Maximum	30.00

Selected range is from 10.00 to 30.00



End of Assumptions

Simulation started on 10/3/05 at 10:16:55

Simulation stopped on 10/3/05 at 10:19:53



***Click here to return to  
Chapter 2***