Leduc Gas, Assessment Unit 52430201
Assessment Results Summary

[MMBO, million barrels of oil. BCFG, billion cubic feet of gas. MMBNGL, million barrels of natural gas liquids. MFS, minimum field size assessed (MMBO or BCFG). Prob., probability (including both geologic and accessibility probabilities) of at least one field equal to or greater than the MFS. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 represents a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive under the assumption of perfect positive correlation. Shading indicates not applicable]

| Field Type | MFS | Prob. (0-1) | Undiscovered Resources | | | | | | | | | | | | Largest Undiscovered Field (MMBO or BCFG) | | | |
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)							
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
Oil Fields	1	1.00	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA
Gas Fields	3						954	2,349	4,203	2,442	34	87	172	93	108	269	623	304
Total		1.00	0	0	0	0	954	2,349	4,203	2,442	34	87	172	93				

Forecast: Gas in Gas Fields

Summary:
Display range is from 0.00 to 5,500.00 BCFG
Entire range is from 221.79 to 7,533.00 BCFG
After 50,000 trials, the standard error of the mean is 4.43

Statistics:	Value
Trials	50000
Mean	2,441.96
Median	2,348.73
Mode	---
Standard Deviation	991.68
Variance	983,429.87
Skewness	0.43
Kurtosis	2.88
Coefficient of Variability	0.41
Range Minimum	221.79
Range Maximum	7,533.00
Range Width	7,311.21
Mean Standard Error	4.43
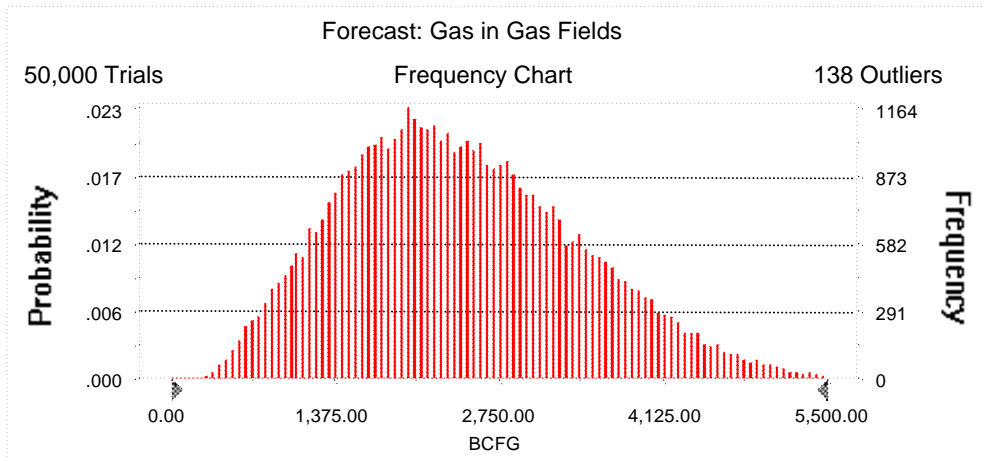
Forecast: Gas in Gas Fields

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

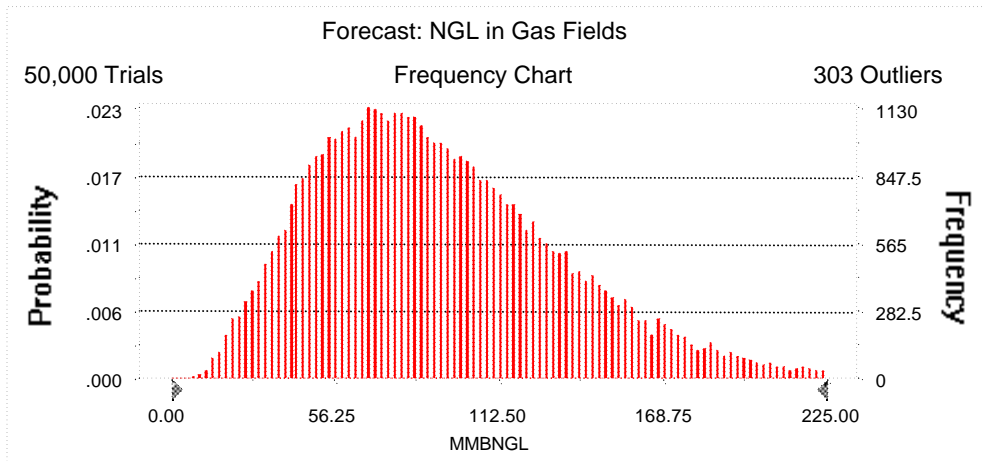| Percentile	BCFG
100%	221.79
95%	953.56
90%	1,209.90
85%	1,404.39
80%	1,561.88
75%	1,702.77
70%	1,838.30
65%	1,969.97
60%	2,092.11
55%	2,218.04
50%	2,348.73
45%	2,485.82
40%	2,624.15
35%	2,774.40
30%	2,923.81
25%	3,096.67
20%	3,286.52
15%	3,520.30
10%	3,800.73
5%	4,203.37
0%	7,533.00

End of Forecast

Forecast: NGL in Gas Fields

Summary:
    Display range is from 0.00 to 225.00 MMBNGL
    Entire range is from 5.99 to 378.96 MMBNGL
    After 50,000 trials, the standard error of the mean is 0.19

Statistics:	Value
Trials	50000
Mean	92.69
Median	86.70
Mode	---
Standard Deviation	42.76
Variance	1,828.61
Skewness	0.75
Kurtosis	3.59
Coefficient of Variability	0.46
Range Minimum	5.99
Range Maximum	378.96
Range Width	372.97
Mean Standard Error	0.19

Forecast: NGL in Gas Fields

50,000 Trials   Frequency Chart   303 Outliers

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

| Percentile	MMBNGL
100%	5.99
95%	33.55
90%	42.72
85%	49.36
80%	55.32
75%	60.78
70%	66.18
65%	71.26
60%	76.40
55%	81.46
50%	86.70
45%	92.24
40%	98.06
35%	104.22
30%	110.97
25%	118.40
20%	126.86
15%	137.32
10%	150.86
5%	171.85
0%	378.96

End of Forecast

Forecast: Largest Gas Field

Summary:
Display range is from 0.00 to 800.00 BCFG
Entire range is from 24.18 to 749.96 BCFG
After 50,000 trials, the standard error of the mean is 0.70

Statistics:	Value
Trials	50000
Mean	304.01
Median	269.19
Mode	---
Standard Deviation	155.47
Variance	24,171.33
Skewness	0.81
Kurtosis	2.96
Coefficient of Variability	0.51
Range Minimum	24.18
Range Maximum	749.96
Range Width	725.77
Mean Standard Error	0.70

Forecast: Largest Gas Field
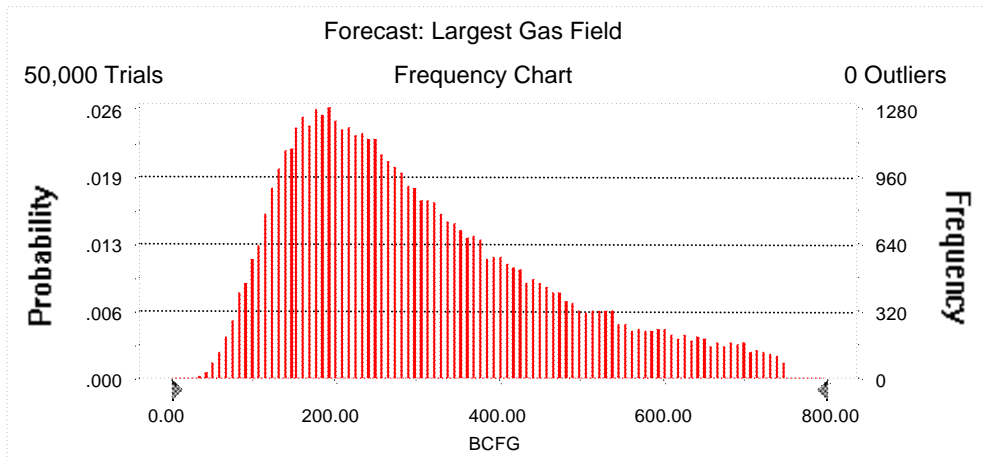
50,000 Trials   Frequency Chart   0 Outliers

Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	24.18
95%	108.21
90%	132.26
85%	150.94
80%	167.54
75%	183.76
70%	199.50
65%	216.10
60%	233.20
55%	250.67
50%	269.19
45%	289.50
40%	312.14
35%	336.53
30%	364.63
25%	396.17
20%	433.16
15%	478.90
10%	539.31
5%	622.71
0%	749.96

End of Forecast

Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:
Minimum	20
Likeliest	89
Maximum	200

Selected range is from 20 to 200
Mean value in simulation was 103

Number of Gas Fields
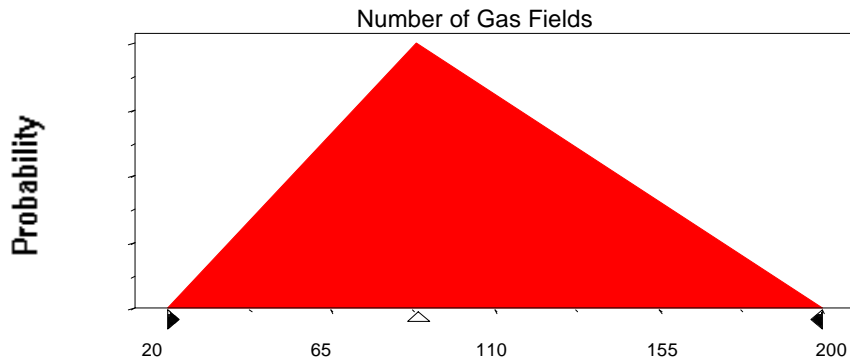
Assumption: Sizes of Gas Fields

Lognormal distribution with parameters: Shifted parameters
Mean	21.93	24.93
Standard Deviation	65.13	65.13

Selected range is from 0.00 to 747.00   3.00 to 750.00
Mean value in simulation was 20.65   23.65

Assumption: Sizes of Gas Fields (cont'd)

Sizes of Gas Fields
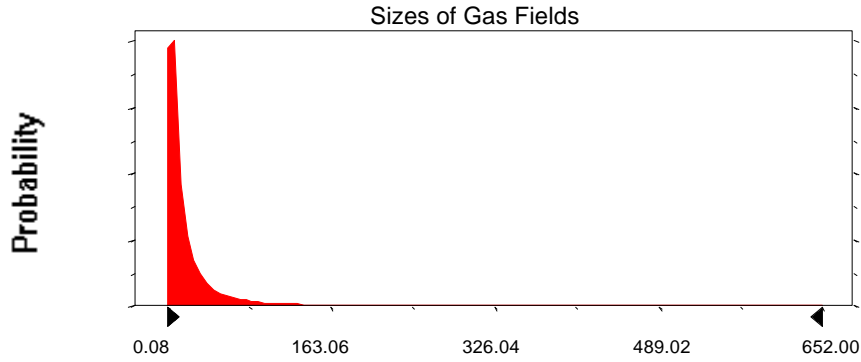
Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	19.00
Likeliest	38.00
Maximum	57.00

Selected range is from 19.00 to 57.00
Mean value in simulation was 37.97

LGR in Gas Fields
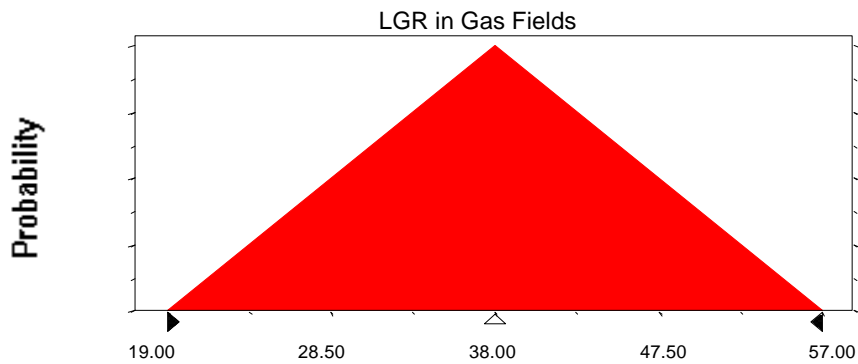
End of Assumptions

Simulation started on 7/19/99 at 12:02:17
Simulation stopped on 7/19/99 at 12:53:20