Coastal Plain and Offshore, Assessment Unit 70130101
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	15	120	430	157	33	255	968	345	2	15	59	21	7	41	217	66
Gas Fields	6						83	414	1,276	510	3	18	58	22	31	137	648	208
Total		1.00	15	120	430	157	116	669	2,244	856	5	33	118	43				

Forecast: Oil in Oil Fields

Summary:
 Display range is from 0.00 to 550.00 MMBO
 Entire range is from 1.04 to 1,300.25 MMBO
 After 50,000 trials, the standard error of the mean is 0.61

Statistics:	Value
Trials	50000
Mean	157.19
Median	119.65
Mode	---
Standard Deviation	135.96
Variance	18,486.14
Skewness	1.62
Kurtosis	6.62
Coefficient of Variability	0.86
Range Minimum	1.04
Range Maximum	1,300.25
Range Width	1,299.21
Mean Standard Error	0.61

Forecast: Oil in Oil Fields

50,000 Trials · Frequency Chart · 955 Outliers

Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	1.04
95%	15.50
90%	25.85
85%	35.48
80%	45.40
75%	56.23
70%	68.06
65%	79.34
60%	91.76
55%	105.10
50%	119.65
45%	135.88
40%	152.45
35%	172.04
30%	193.20
25%	217.88
20%	248.37
15%	286.41
10%	338.66
5%	429.69
0%	1,300.25

End of Forecast

Forecast: Gas in Oil Fields

Summary:
Display range is from 0.00 to 1,200.00 BCFG
Entire range is from 1.97 to 3,297.82 BCFG
After 50,000 trials, the standard error of the mean is 1.40

Statistics:	Value
Trials	50000
Mean	345.48
Median	254.97
Mode	---
Standard Deviation	313.44
Variance	98,241.77
Skewness	1.86
Kurtosis	8.16
Coefficient of Variability	0.91
Range Minimum	1.97
Range Maximum	3,297.82
Range Width	3,295.85
Mean Standard Error	1.40
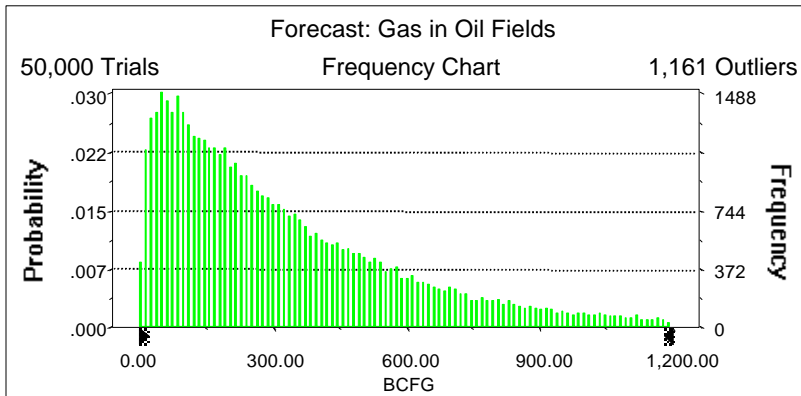
Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	1.97
95%	32.66
90%	54.12
85%	74.65
80%	95.85
75%	118.48
70%	143.26
65%	169.01
60%	195.68
55%	224.19
50%	254.97
45%	290.26
40%	328.14
35%	369.96
30%	419.67
25%	477.05
20%	543.23
15%	629.57
10%	752.10
5%	967.73
0%	3,297.82

End of Forecast

Forecast: NGL in Oil Fields

Summary:

Display range is from 0.00 to 80.00 MMBNGL

Entire range is from 0.10 to 205.74 MMBNGL

After 50,000 trials, the standard error of the mean is 0.09

Statistics:	Value
Trials	50000
Mean	20.70
Median	14.87
Mode	---
Standard Deviation	19.59
Variance	383.85
Skewness	2.05
Kurtosis	9.43
Coefficient of Variability	0.95
Range Minimum	0.10
Range Maximum	205.74
Range Width	205.65
Mean Standard Error	0.09
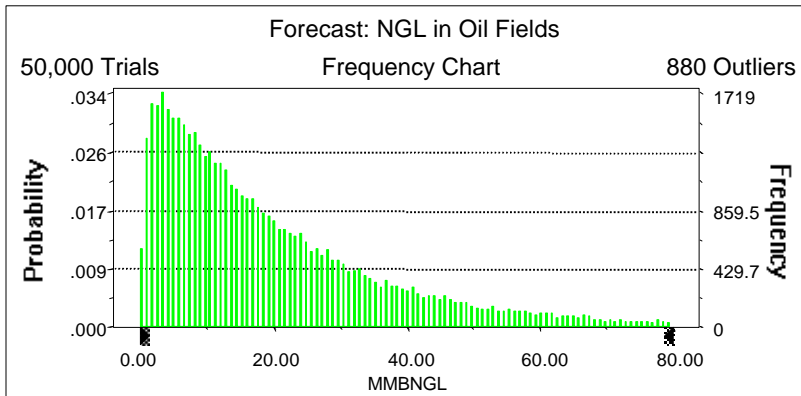
Forecast: NGL in Oil Fields

Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.10
95%	1.87
90%	3.08
85%	4.28
80%	5.56
75%	6.88
70%	8.27
65%	9.74
60%	11.33
55%	13.02
50%	14.87
45%	17.00
40%	19.28
35%	21.87
30%	24.75
25%	28.22
20%	32.38
15%	37.96
10%	45.77
5%	59.43
0%	205.74

End of Forecast

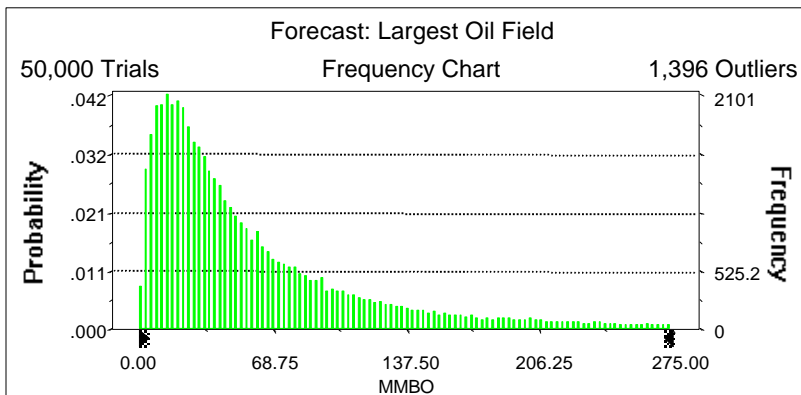**Forecast: Largest Oil Field**

Summary:
    Display range is from 0.00 to 275.00 MMBO
    Entire range is from 1.04 to 499.37 MMBO
    After 50,000 trials, the standard error of the mean is 0.32

Statistics:	Value
Trials	50000
Mean	65.52
Median	40.88
Mode	---
Standard Deviation	72.62
Variance	5,273.93
Skewness	2.50
Kurtosis	10.67
Coefficient of Variability	1.11
Range Minimum	1.04
Range Maximum	499.37
Range Width	498.33
Mean Standard Error	0.32

Forecast: Largest Oil Field

50,000 Trials   Frequency Chart   1,396 Outliers

Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	1.04
95%	6.63
90%	10.25
85%	13.62
80%	16.95
75%	20.35
70%	23.74
65%	27.44
60%	31.54
55%	35.90
50%	40.88
45%	46.51
40%	53.01
35%	60.78
30%	69.78
25%	81.61
20%	96.18
15%	117.03
10%	149.69
5%	216.54
0%	499.37

End of Forecast
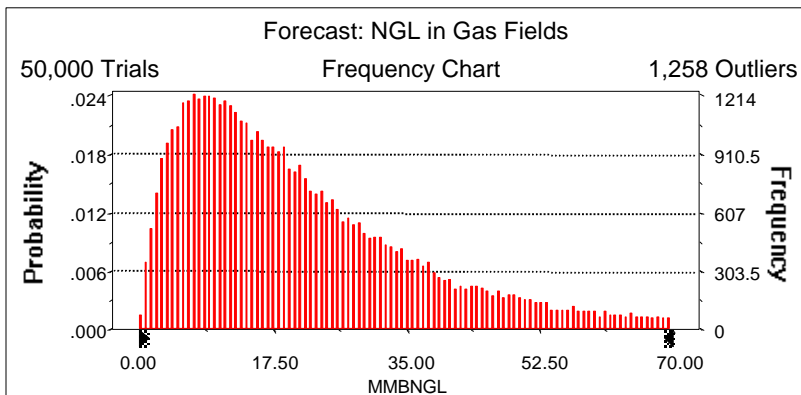
Forecast: Gas in Gas Fields

Summary:
Display range is from 0.00 to 1,750.00 BCFG
Entire range is from 6.51 to 4,050.63 BCFG
After 50,000 trials, the standard error of the mean is 1.74

Statistics:	Value
Trials	50000
Mean	510.48
Median	414.36
Mode	---
Standard Deviation	389.77
Variance	151,920.90
Skewness	1.64
Kurtosis	7.05
Coefficient of Variability	0.76
Range Minimum	6.51
Range Maximum	4,050.63
Range Width	4,044.13
Mean Standard Error	1.74
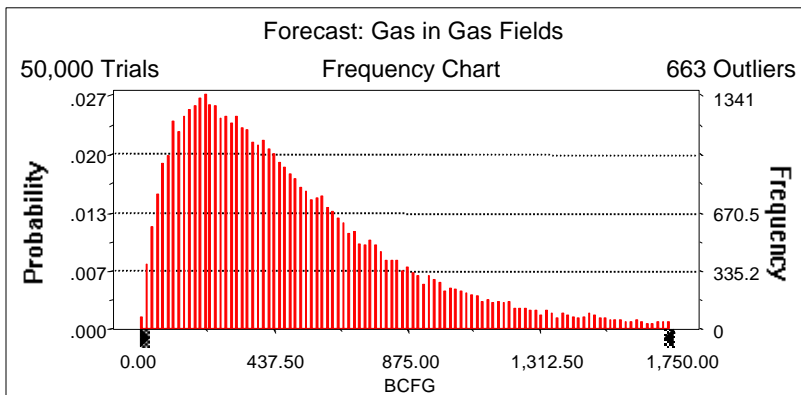
Forecast: Gas in Gas Fields

50,000 Trials   Frequency Chart   663 Outliers

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	6.51
95%	82.85
90%	123.53
85%	160.69
80%	194.94
75%	227.88
70%	261.94
65%	298.05
60%	334.23
55%	372.86
50%	414.36
45%	457.18
40%	504.77
35%	557.63
30%	615.78
25%	682.75
20%	766.59
15%	871.98
10%	1,022.51
5%	1,276.36
0%	4,050.63

End of Forecast

Forecast: NGL in Gas Fields

Summary:
Display range is from 0.00 to 70.00 MMBNGL
Entire range is from 0.22 to 226.26 MMBNGL
After 50,000 trials, the standard error of the mean is 0.08

Statistics:	Value
Trials	50000
Mean	22.49
Median	17.73
Mode	---
Standard Deviation	18.13
Variance	328.68
Skewness	1.84
Kurtosis	8.38
Coefficient of Variability	0.81
Range Minimum	0.22
Range Maximum	226.26
Range Width	226.04
Mean Standard Error	0.08

Forecast: NGL in Gas Fields

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.22
95%	3.46
90%	5.20
85%	6.73
80%	8.20
75%	9.65
70%	11.11
65%	12.61
60%	14.21
55%	15.93
50%	17.73
45%	19.62
40%	21.73
35%	24.14
30%	26.82
25%	30.02
20%	33.80
15%	38.57
10%	46.02
5%	58.26
0%	226.26

End of Forecast

Forecast: Largest Gas Field

Summary:
Display range is from 0.00 to 800.00 BCFG
Entire range is from 6.51 to 1,499.87 BCFG
After 50,000 trials, the standard error of the mean is 0.96

Statistics:	Value
Trials	50000
Mean	208.34
Median	136.69
Mode	---
Standard Deviation	214.98
Variance	46,215.18
Skewness	2.54
Kurtosis	11.01
Coefficient of Variability	1.03
Range Minimum	6.51
Range Maximum	1,499.87
Range Width	1,493.36
Mean Standard Error	0.96
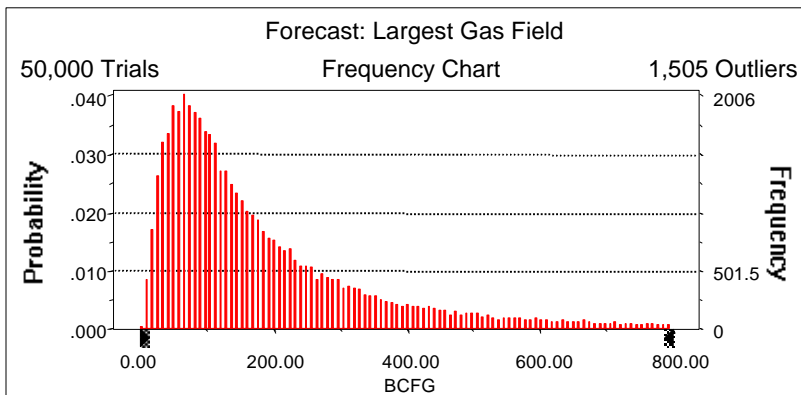
Forecast: Largest Gas Field

Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	6.51
95%	31.35
90%	43.90
85%	54.66
80%	65.31
75%	75.39
70%	86.12
65%	97.18
60%	109.20
55%	122.05
50%	136.69
45%	153.51
40%	172.99
35%	195.63
30%	222.88
25%	256.13
20%	299.39
15%	358.66
10%	455.13
5%	647.51
0%	1,499.87

End of Forecast

Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:
Minimum   1
Likeliest   4
Maximum   35

Selected range is from 1 to 35
Mean value in simulation was 13

Number of Oil Fields
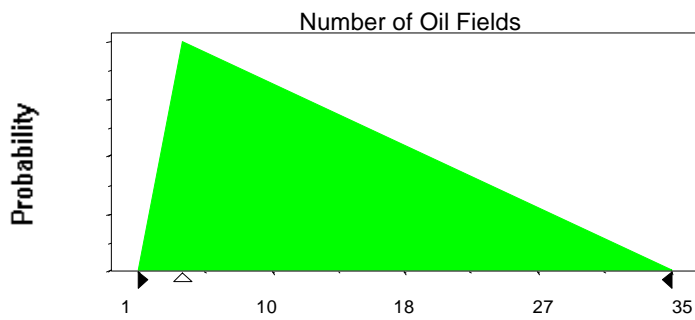
Assumption: Sizes of Oil Fields

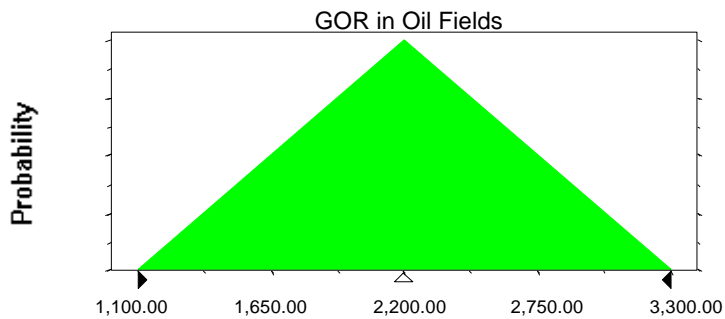| Lognormal distribution with parameters:		Shifted parameters	
Mean	11.80		12.8
Standard Deviation	44.89		44.89
Selected range is from 0.00 to 499.00			1.00 to 500.00
Mean value in simulation was 11.05			12.05

Assumption: Sizes of Oil Fields (cont'd)
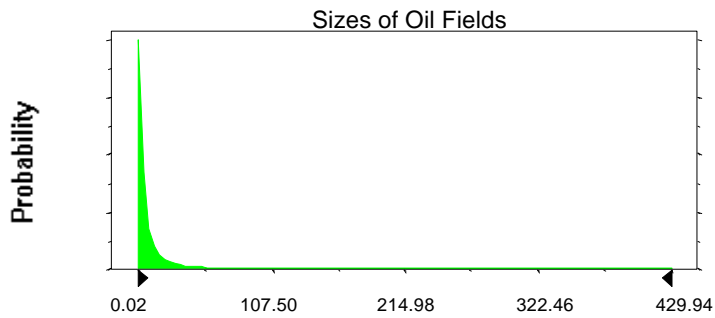
Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	1,100.00
Likeliest	2,200.00
Maximum	3,300.00

Selected range is from 1,100.00 to 3,300.00
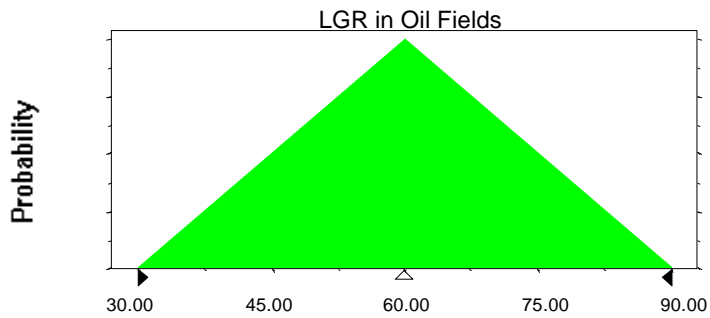Mean value in simulation was 2,198.06

Assumption: LGR in Oil Fields

Triangular distribution with parameters:
Minimum	30.00
Likeliest	60.00
Maximum	90.00

Selected range is from 30.00 to 90.00
Mean value in simulation was 59.96

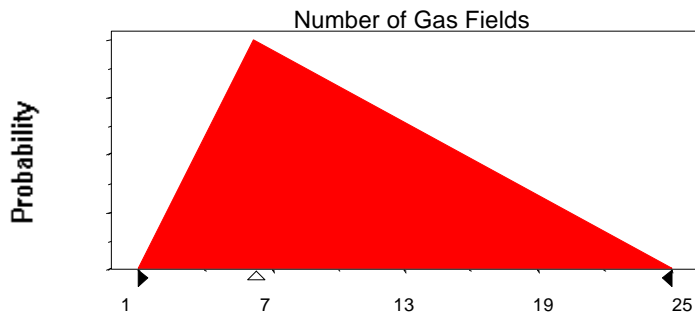**Assumption: Number of Gas Fields**

Triangular distribution with parameters:
Minimum	1
Likeliest	6
Maximum	25

Selected range is from 1 to 25
Mean value in simulation was 11

Assumption: Number of Gas Fields (cont'd)

Number of Gas Fields

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	43.87		49.87
Standard Deviation	130.27		130.27

Selected range is from 0.00 to 1,494.00   6.00 to 1,500.00
Mean value in simulation was 41.53   47.53
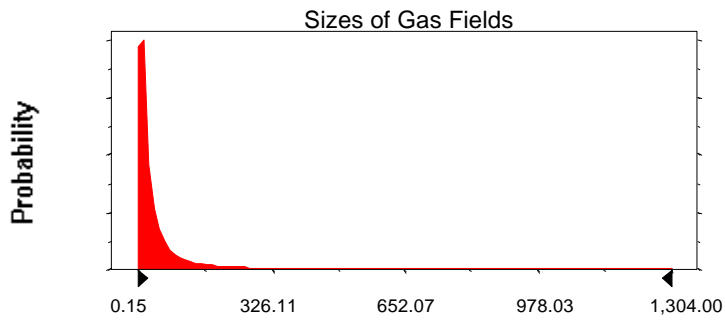
Sizes of Gas Fields

Assumption: LGR in Gas Fields

Triangular distribution with parameters:
Minimum	22.00
Likeliest	44.00
Maximum	66.00

Selected range is from 22.00 to 66.00
Mean value in simulation was 44.05

LGR in Gas Fields
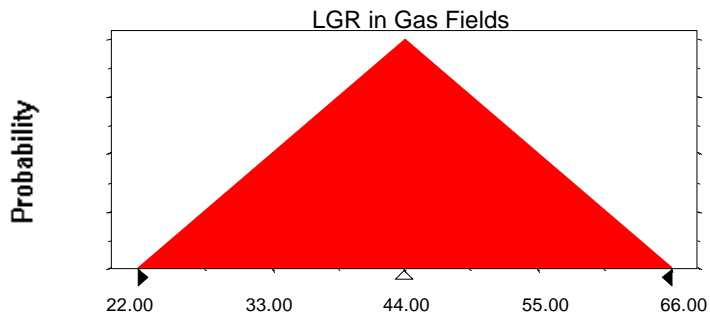
End of Assumptions

Simulation started on 10/7/99 at 14:29:13
Simulation stopped on 10/7/99 at 14:51:40