Southeast Sirte Hypothetical, Assessment Unit 20430104
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	5	0.50	0	70	824	253	0	13	222	60	0	1	13	4	41	105	295	127
Gas Fields	30						0	0	0	0	0	0	0	0	NA	NA	NA	NA
Total		0.50	0	70	824	253	0	13	222	60	0	1	13	4				

Forecast: Oil in Oil Fields

Summary:
    Display range is from 0.00 to 1,200.00 MMBO
    Entire range is from 31.54 to 1,968.18 MMBO
    After 50,000 trials, the standard error of the mean is 1.06

Statistics:	Value
Trials	50000
Mean	504.57
Median	474.27
Mode	---
Standard Deviation	237.63
Variance	56,466.81
Skewness	0.72
Kurtosis	3.58
Coefficient of Variability	0.47
Range Minimum	31.54
Range Maximum	1,968.18
Range Width	1,936.64
Mean Standard Error	1.06

Forecast: Oil in Oil Fields

50,000 Trials   Frequency Chart   418 Outliers

Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	31.54
95%	171.28
90%	221.79
85%	261.98
80%	296.59
75%	328.92
70%	357.40
65%	386.41
60%	414.81
55%	443.74
50%	474.27
45%	505.26
40%	537.24
35%	570.81
30%	607.30
25%	648.91
20%	695.93
15%	753.67
10%	826.92
5%	938.84
0%	1,968.18

End of Forecast

Forecast: Gas in Oil Fields

Summary:
Display range is from 0.00 to 350.00 BCFG
Entire range is from 4.03 to 821.31 BCFG
After 50,000 trials, the standard error of the mean is 0.34

Statistics:	Value
Trials	50000
Mean	118.85
Median	100.53
Mode	---
Standard Deviation	76.10
Variance	5,791.61
Skewness	1.42
Kurtosis	5.87
Coefficient of Variability	0.64
Range Minimum	4.03
Range Maximum	821.31
Range Width	817.27
Mean Standard Error	0.34
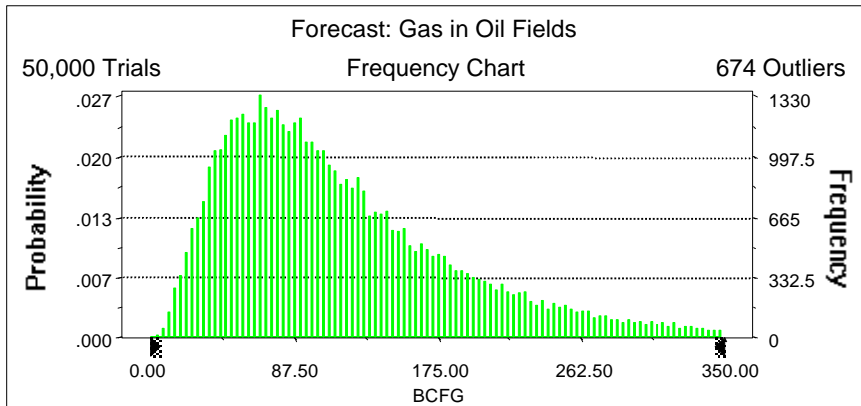
Forecast: Gas in Oil Fields

Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	4.03
95%	31.17
90%	41.17
85%	49.37
80%	56.55
75%	63.81
70%	70.73
65%	77.88
60%	85.10
55%	92.57
50%	100.53
45%	109.07
40%	118.84
35%	129.07
30%	141.08
25%	154.83
20%	171.84
15%	192.69
10%	221.69
5%	268.23
0%	821.31

End of Forecast

Forecast: NGL in Oil Fields

Summary:
Display range is from 0.00 to 20.00 MMBNGL
Entire range is from 0.24 to 45.50 MMBNGL
After 50,000 trials, the standard error of the mean is 0.02

Statistics:	Value
Trials	50000
Mean	7.13
Median	6.01
Mode	---
Standard Deviation	4.60
Variance	21.20
Skewness	1.45
Kurtosis	6.00
Coefficient of Variability	0.65
Range Minimum	0.24
Range Maximum	45.50
Range Width	45.26
Mean Standard Error	0.02
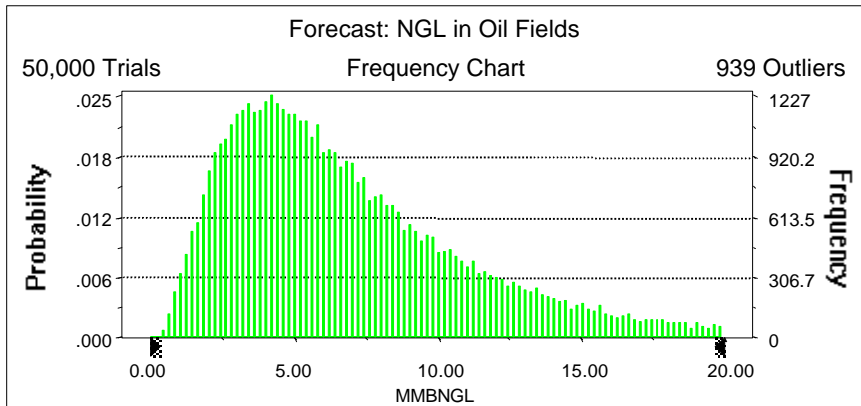
Forecast: NGL in Oil Fields

Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.24
95%	1.86
90%	2.45
85%	2.93
80%	3.37
75%	3.80
70%	4.23
65%	4.65
60%	5.08
55%	5.54
50%	6.01
45%	6.54
40%	7.11
35%	7.74
30%	8.46
25%	9.30
20%	10.31
15%	11.59
10%	13.33
5%	16.18
0%	45.50

End of Forecast

Forecast: Largest Oil Field

Summary:
 Display range is from 0.00 to 350.00 MMBO
 Entire range is from 10.77 to 499.93 MMBO
 After 50,000 trials, the standard error of the mean is 0.36

Statistics:	Value
Trials	50000
Mean	127.17
Median	105.15
Mode	---
Standard Deviation	80.64
Variance	6,502.51
Skewness	1.62
Kurtosis	6.04
Coefficient of Variability	0.63
Range Minimum	10.77
Range Maximum	499.93
Range Width	489.17
Mean Standard Error	0.36
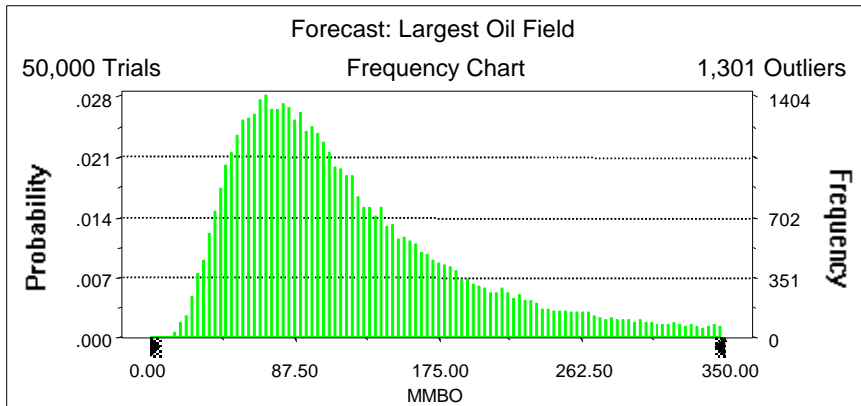
Forecast: Largest Oil Field

50,000 Trials   Frequency Chart   1,301 Outliers

Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	10.77
95%	41.17
90%	50.42
85%	57.91
80%	64.63
75%	71.20
70%	77.63
65%	84.11
60%	90.87
55%	97.89
50%	105.15
45%	113.23
40%	122.25
35%	132.72
30%	144.71
25%	158.85
20%	176.37
15%	199.67
10%	233.43
5%	295.30
0%	499.93

End of Forecast

Forecast: G-Risked Oil in Oil Fields

Summary:
Display range is from 0.00 to 1,100.00 MMBO
Entire range is from 0.00 to 1,915.81 MMBO
After 50,000 trials, the standard error of the mean is 1.35

Statistics:	Value
Trials	50000
Mean	252.75
Median	69.76
Mode	0.00
Standard Deviation	302.85
Variance	91,716.70
Skewness	0.93
Kurtosis	2.99
Coefficient of Variability	1.20
Range Minimum	0.00
Range Maximum	1,915.81
Range Width	1,915.81
Mean Standard Error	1.35
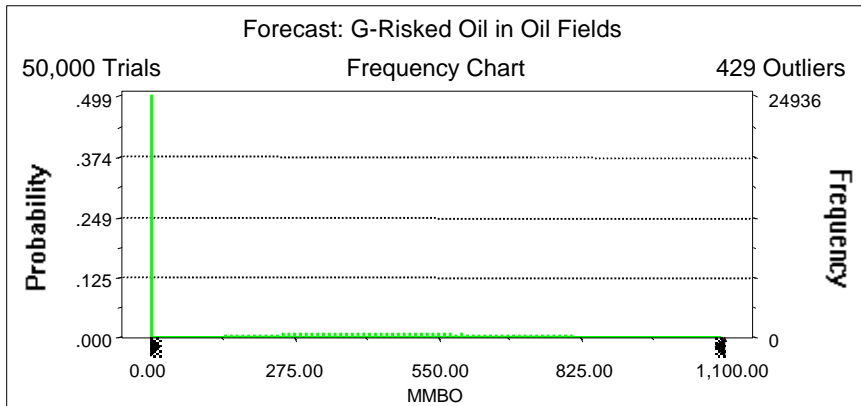
Forecast: G-Risked Oil in Oil Fields

50,000 Trials   Frequency Chart   429 Outliers

Forecast: G-Risked Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
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%	69.76
45%	222.16
40%	297.97
35%	359.37
30%	415.88
25%	474.91
20%	537.99
15%	606.47
10%	696.08
5%	823.94
0%	1,915.81

End of Forecast

Forecast: G-Risked Gas in Oil Fields

Summary:
 Display range is from 0.00 to 275.00 BCFG
 Entire range is from 0.00 to 821.31 BCFG
 After 50,000 trials, the standard error of the mean is 0.36

Statistics:	Value
Trials	50000
Mean	59.50
Median	12.69
Mode	0.00
Standard Deviation	80.12
Variance	6,418.60
Skewness	1.62
Kurtosis	6.12
Coefficient of Variability	1.35
Range Minimum	0.00
Range Maximum	821.31
Range Width	821.31
Mean Standard Error	0.36
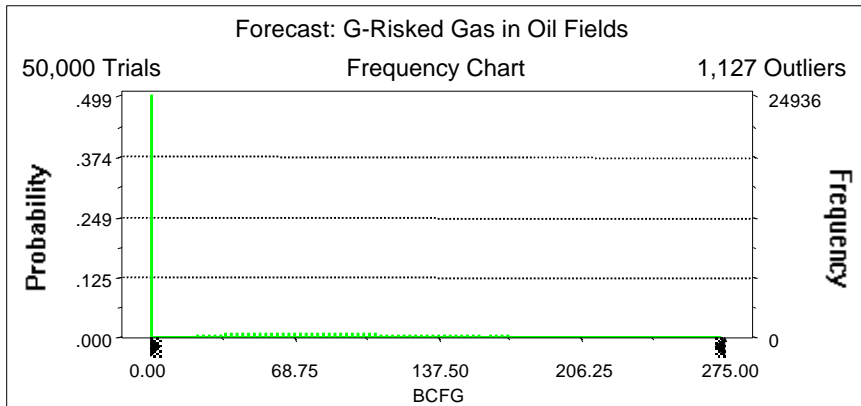
Forecast: G-Risked Gas in Oil Fields

50,000 Trials   Frequency Chart   1,127 Outliers

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

Percentiles:

Percentile	BCFG
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%	12.69
45%	41.48
40%	57.03
35%	71.14
30%	85.24
25%	100.53
20%	119.07
15%	141.23
10%	171.51
5%	221.87
0%	821.31

End of Forecast

Forecast: G-Risked NGL in Oil Fields

Summary:
Display range is from 0.00 to 17.50 MMBNGL
Entire range is from 0.00 to 45.50 MMBNGL
After 50,000 trials, the standard error of the mean is 0.02

Statistics:	Value
Trials	50000
Mean	3.57
Median	0.76
Mode	0.00
Standard Deviation	4.83
Variance	23.29
Skewness	1.64
Kurtosis	6.23
Coefficient of Variability	1.35
Range Minimum	0.00
Range Maximum	45.50
Range Width	45.50
Mean Standard Error	0.02
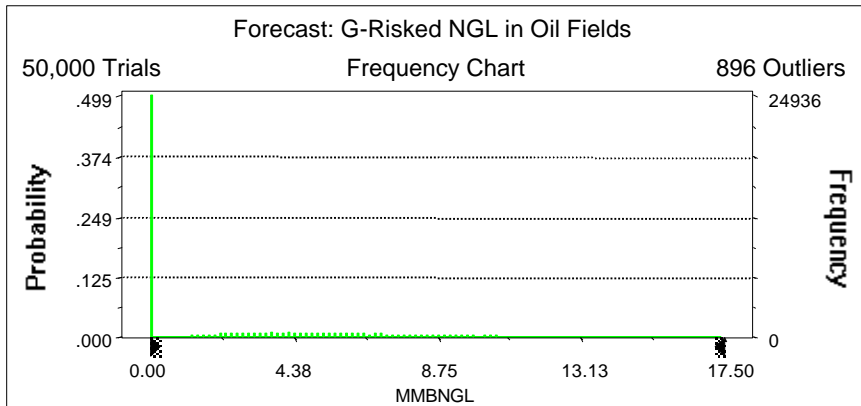
Forecast: G-Risked NGL in Oil Fields

50,000 Trials   Frequency Chart   896 Outliers

Forecast: G-Risked NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
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%	0.76
45%	2.46
40%	3.41
35%	4.25
30%	5.08
25%	6.01
20%	7.12
15%	8.45
10%	10.31
5%	13.35
0%	45.50

End of Forecast

Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:
Minimum	3
Likeliest	13
Maximum	30

Selected range is from 3 to 30
Mean value in simulation was 15

Number of Oil Fields
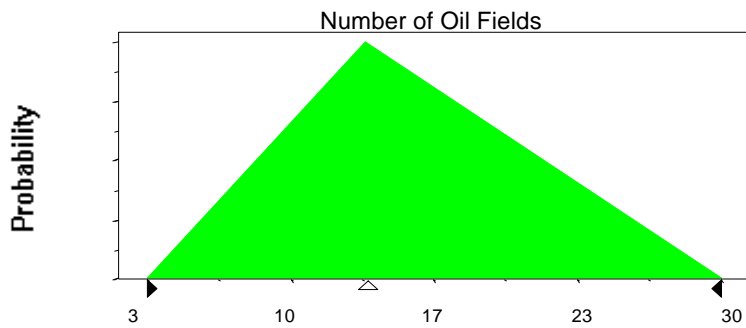
Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	28.45		33.45
Standard Deviation	45.86		45.86

Selected range is from 0.00 to 495.00	5.00 to 500.00
Mean value in simulation was 27.99	32.99

Assumption: Sizes of Oil Fields (cont'd)

Sizes of Oil Fields

| 0.50 | 112.15 | 223.79 | 335.43 | 447.07 |
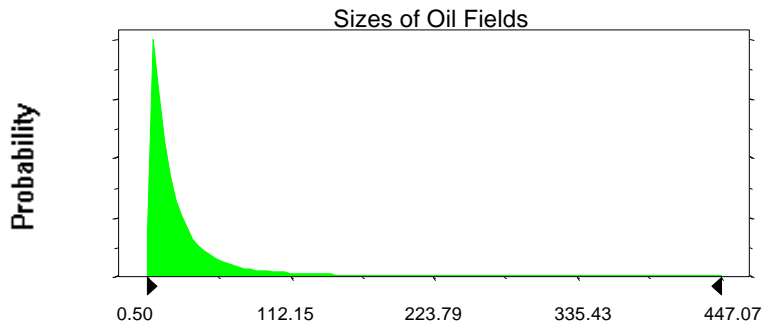
Assumption: GOR in Oil Fields

Triangular distribution with parameters:
Minimum	100.00
Likeliest	108.00
Maximum	500.00

Selected range is from 100.00 to 500.00
Mean value in simulation was 235.85

GOR in Oil Fields

| 100.00 | 200.00 | 300.00 | 400.00 | 500.00 |
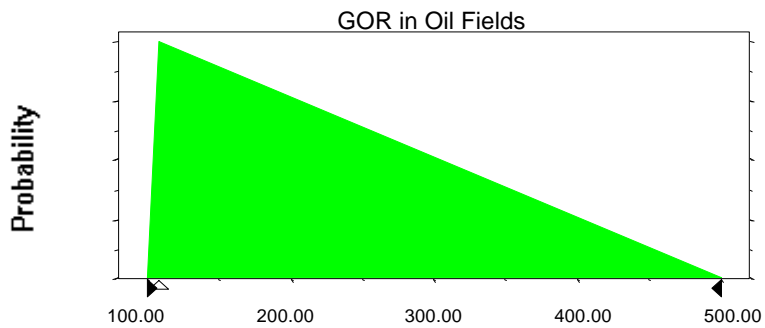
Assumption: LGR in Oil Fields

Triangular distribution with parameters:
Minimum   50.00
Likeliest   60.00
Maximum   70.00

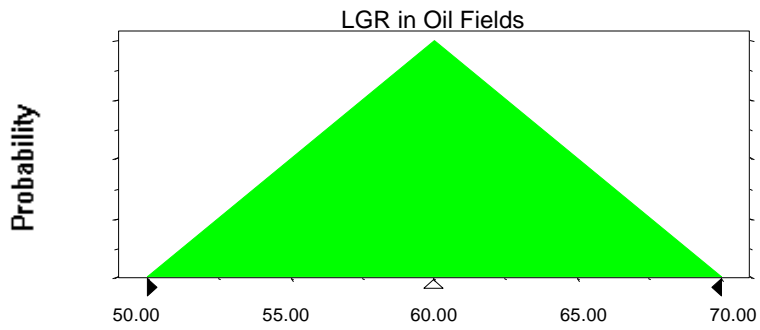Selected range is from 50.00 to 70.00
Mean value in simulation was 59.98

LGR in Oil Fields

End of Assumptions

Simulation started on 12/1/98 at 15:47:04
Simulation stopped on 12/1/98 at 16:01:06