Irrawaddy-Andaman, Assessment Unit 80480102
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	27	177	498	209	197	1,285	3,903	1,563	11	74	242	94	11	46	167	61
Gas Fields	6						3,710	14,982	36,669	16,949	125	513	1,327	593	712	2,690	7,922	3,276
Total		1.00	27	177	498	209	3,908	16,266	40,572	18,512	136	587	1,569	686				

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.00 to 700.00 MMBO
Entire range is from 2.99 to 1,168.77 MMBO
After 50,000 trials, the standard error of the mean is 0.67

Statistics:	Value
Trials	50000
Mean	208.85
Median	177.22
Mode	---
Standard Deviation	150.56
Variance	22,668.60
Skewness	1.01
Kurtosis	3.93
Coefficient of Variability	0.72
Range Minimum	2.99
Range Maximum	1,168.77
Range Width	1,165.77
Mean Standard Error	0.67

Forecast: Oil in Oil Fields
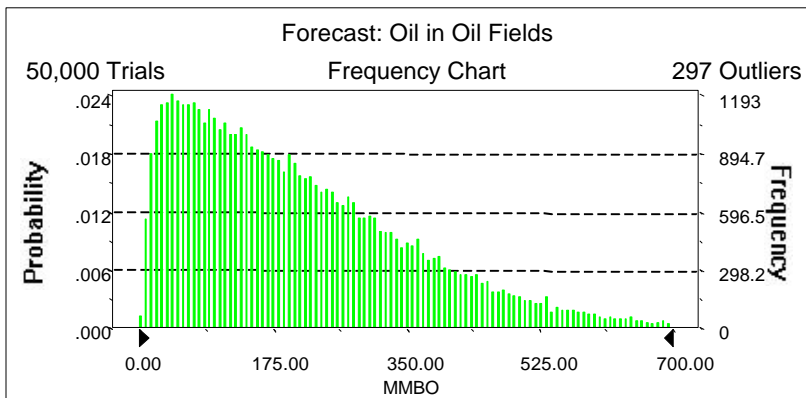
50,000 Trials   Frequency Chart   297 Outliers

Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	2.99
95%	27.45
90%	42.79
85%	57.76
80%	72.97
75%	88.79
70%	104.77
65%	121.98
60%	139.32
55%	157.60
50%	177.22
45%	198.13
40%	219.39
35%	243.16
30%	269.04
25%	297.48
20%	329.82
15%	369.00
10%	420.08
5%	497.79
0%	1,168.77

End of Forecast

Forecast: Gas in Oil Fields

Summary:
     Display range is from 0.00 to 5,000.00 BCFG
     Entire range is from 18.66 to 9,420.09 BCFG
     After 50,000 trials, the standard error of the mean is 5.34

Statistics:	Value
Trials	50000
Mean	1,563.08
Median	1,284.62
Mode	---
Standard Deviation	1,193.42
Variance	1,424,261.15
Skewness	1.25
Kurtosis	4.87
Coefficient of Variability	0.76
Range Minimum	18.66
Range Maximum	9,420.09
Range Width	9,401.42
Mean Standard Error	5.34
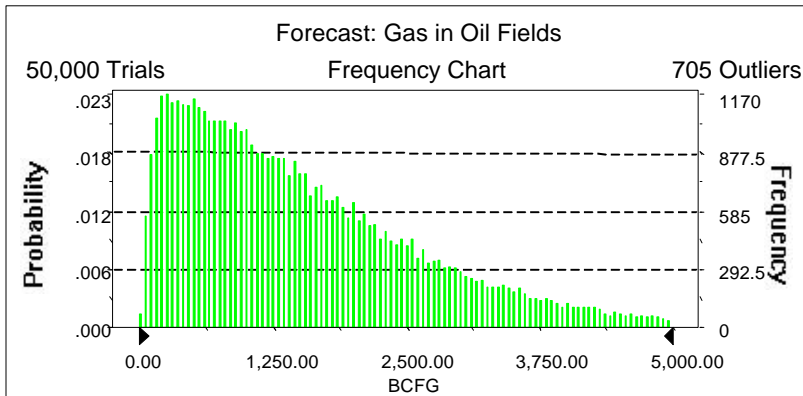
Forecast: Gas in Oil Fields

Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	18.66
95%	197.48
90%	304.85
85%	414.84
80%	526.33
75%	638.82
70%	757.54
65%	880.42
60%	1,003.62
55%	1,138.99
50%	1,284.62
45%	1,432.70
40%	1,592.87
35%	1,773.69
30%	1,971.79
25%	2,194.86
20%	2,462.37
15%	2,783.02
10%	3,214.02
5%	3,902.98
0%	9,420.09

End of Forecast

Forecast: NGL in Oil Fields

Summary:
Display range is from 0.00 to 300.00 MMBNGL
Entire range is from 1.03 to 711.29 MMBNGL
After 50,000 trials, the standard error of the mean is 0.34

Statistics:	Value
Trials	50000
Mean	93.74
Median	74.46
Mode	---
Standard Deviation	75.47
Variance	5,695.63
Skewness	1.47
Kurtosis	6.00
Coefficient of Variability	0.81
Range Minimum	1.03
Range Maximum	711.29
Range Width	710.26
Mean Standard Error	0.34
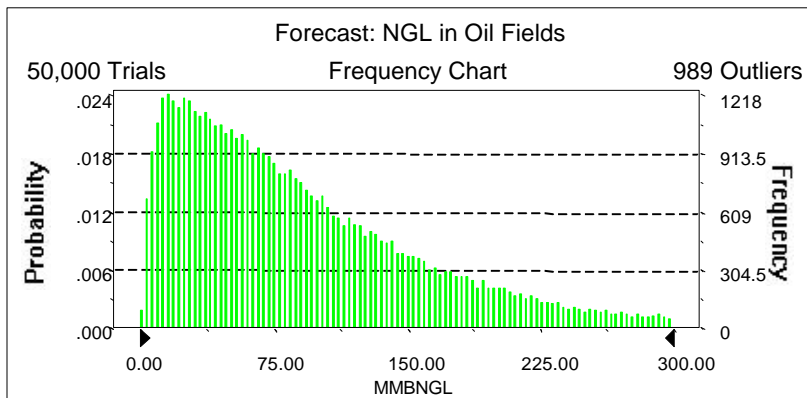
Forecast: NGL in Oil Fields

Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	1.03
95%	11.31
90%	17.52
85%	23.95
80%	30.23
75%	36.92
70%	43.82
65%	51.01
60%	58.38
55%	66.23
50%	74.46
45%	83.59
40%	93.04
35%	103.95
30%	116.54
25%	130.66
20%	146.98
15%	167.78
10%	196.29
5%	241.96
0%	711.29

End of Forecast

Forecast: Largest Oil Field

Summary:
Display range is from 0.00 to 200.00 MMBO
Entire range is from 1.63 to 299.92 MMBO
After 50,000 trials, the standard error of the mean is 0.22

Statistics:	Value
Trials	50000
Mean	61.20
Median	46.48
Mode	---
Standard Deviation	50.05
Variance	2,505.21
Skewness	1.79
Kurtosis	6.69
Coefficient of Variability	0.82
Range Minimum	1.63
Range Maximum	299.92
Range Width	298.29
Mean Standard Error	0.22

Forecast: Largest Oil Field
50,000 Trials — Frequency Chart — 1,393 Outliers
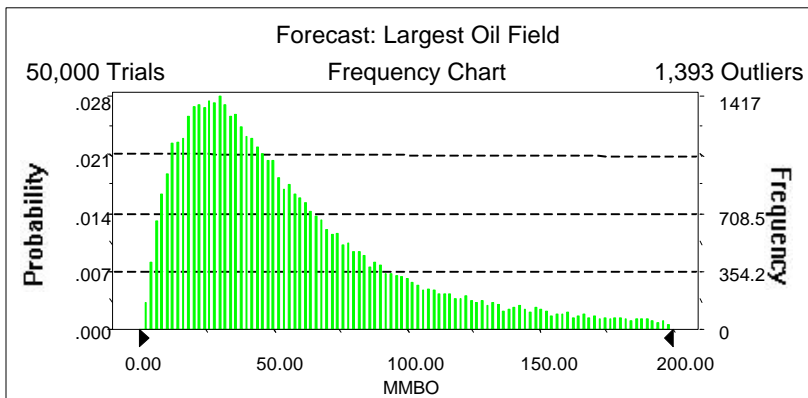
Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	1.63
95%	10.84
90%	15.45
85%	19.58
80%	23.25
75%	26.93
70%	30.55
65%	34.14
60%	37.97
55%	42.12
50%	46.48
45%	51.34
40%	56.89
35%	62.94
30%	70.00
25%	78.67
20%	89.69
15%	104.39
10%	127.13
5%	166.84
0%	299.92

End of Forecast

Forecast: Gas in Gas Fields

Summary:
    Display range is from 0.00 to 45,000.00 BCFG
    Entire range is from 577.37 to 79,390.80 BCFG
    After 50,000 trials, the standard error of the mean is 46.64

Statistics:	Value
Trials	50000
Mean	16,949.34
Median	14,981.55
Mode	---
Standard Deviation	10,428.66
Variance	108,756,856.71
Skewness	0.81
Kurtosis	3.29
Coefficient of Variability	0.62
Range Minimum	577.37
Range Maximum	79,390.80
Range Width	78,813.43
Mean Standard Error	46.64
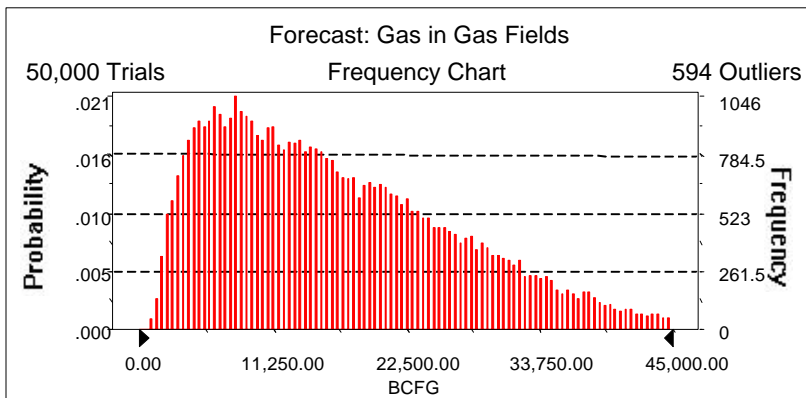
Forecast: Gas in Gas Fields

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	577.37
95%	3,710.34
90%	5,022.95
85%	6,231.21
80%	7,396.53
75%	8,540.38
70%	9,706.39
65%	10,983.70
60%	12,270.19
55%	13,627.50
50%	14,981.55
45%	16,437.53
40%	18,038.76
35%	19,784.73
30%	21,560.23
25%	23,515.92
20%	25,822.79
15%	28,464.78
10%	31,735.89
5%	36,668.58
0%	79,390.80

End of Forecast

Forecast: NGL in Gas Fields

Summary:
    Display range is from 0.00 to 1,750.00 MMBNGL
    Entire range is from 17.15 to 3,697.69 MMBNGL
    After 50,000 trials, the standard error of the mean is 1.72

Statistics:	Value
Trials	50000
Mean	592.55
Median	512.79
Mode	---
Standard Deviation	384.49
Variance	147,832.23
Skewness	1.03
Kurtosis	4.13
Coefficient of Variability	0.65
Range Minimum	17.15
Range Maximum	3,697.69
Range Width	3,680.54
Mean Standard Error	1.72
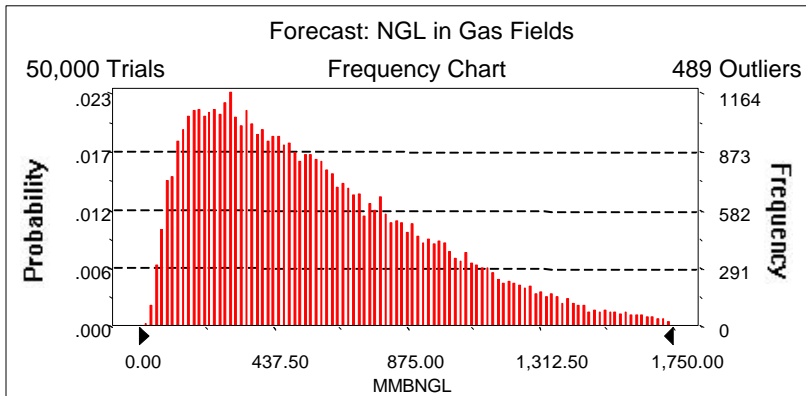
Forecast: NGL in Gas Fields

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	17.15
95%	124.80
90%	169.34
85%	209.96
80%	250.96
75%	291.32
70%	330.85
65%	373.00
60%	417.85
55%	464.05
50%	512.79
45%	564.31
40%	616.80
35%	677.09
30%	743.35
25%	816.66
20%	901.37
15%	1,000.97
10%	1,128.08
5%	1,326.59
0%	3,697.69

End of Forecast

Forecast: Largest Gas Field

Summary:
   Display range is from 0.00 to 9,000.00 BCFG
   Entire range is from 83.07 to 9,996.32 BCFG
   After 50,000 trials, the standard error of the mean is 9.83

Statistics:	Value
Trials	50000
Mean	3,276.40
Median	2,690.41
Mode	---
Standard Deviation	2,196.99
Variance	4,826,747.18
Skewness	1.01
Kurtosis	3.35
Coefficient of Variability	0.67
Range Minimum	83.07
Range Maximum	9,996.32
Range Width	9,913.25
Mean Standard Error	9.83

Forecast: Largest Gas Field

50,000 Trials   Frequency Chart   1,036 Outliers
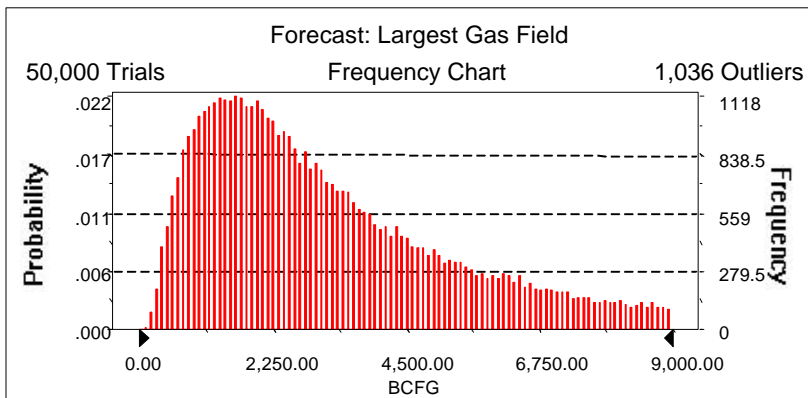
Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	83.07
95%	711.75
90%	962.16
85%	1,180.35
80%	1,384.70
75%	1,591.60
70%	1,792.99
65%	2,000.82
60%	2,213.07
55%	2,445.61
50%	2,690.41
45%	2,966.32
40%	3,267.15
35%	3,602.78
30%	3,995.73
25%	4,458.98
20%	5,019.25
15%	5,718.98
10%	6,619.37
5%	7,921.54
0%	9,996.32

End of Forecast

Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:
Minimum	2
Likeliest	3
Maximum	45

Selected range is from 2 to 45
Mean value in simulation was 17

Number of Oil Fields
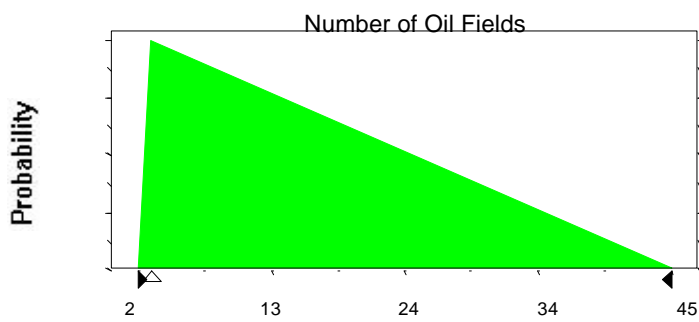
Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	12.01		13.01
Standard Deviation	26.24		26.24

Selected range is from 0.00 to 299.00   1.00 to 300.00
Mean value in simulation was 11.58   12.58

Assumption: Sizes of Oil Fields (cont'd)

Sizes of Oil Fields

| 0.09 | 66.42 | 132.75 | 199.08 | 265.41 |
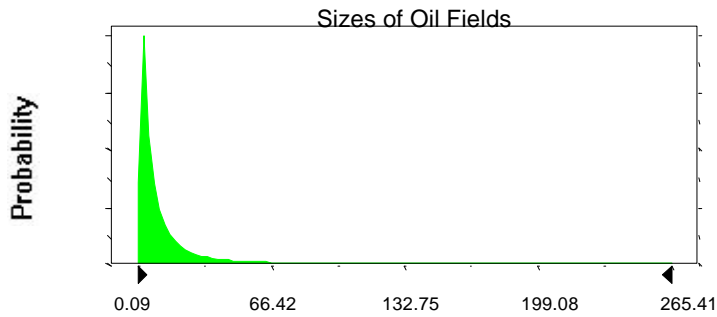
Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	3,750.00
Likeliest	7,500.00
Maximum	11,250.00

Selected range is from 3,750.00 to 11,250.00
Mean value in simulation was 7,493.68

GOR in Oil Fields

| 3,750.00 | 5,625.00 | 7,500.00 | 9,375.00 | 11,250.00 |
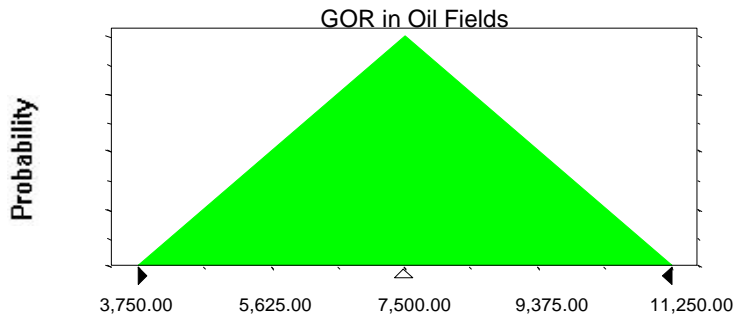
Assumption: LGR in Oil Fields

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 60.00

LGR in Oil Fields
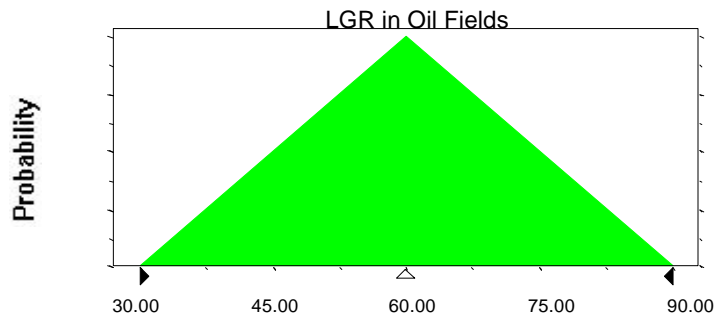
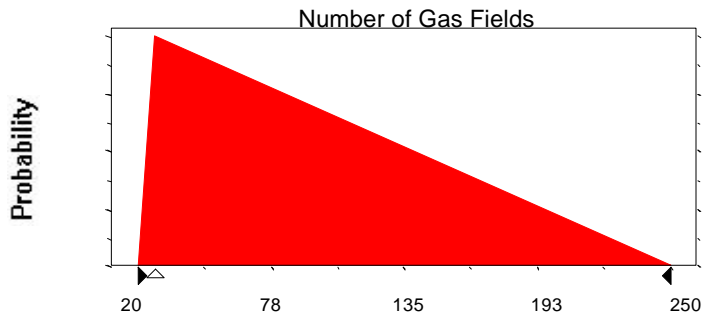**Assumption: Number of Gas Fields**

Triangular distribution with parameters:
Minimum	20
Likeliest	27
Maximum	250

Selected range is from 20 to 250
Mean value in simulation was 99

Assumption: Number of Gas Fields (cont'd)

Number of Gas Fields

| | | | | |
|20|78|135|193|250|

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters: Shifted parameters
   Mean   184.53   190.53
   Standard Deviation   984.42   984.42

Selected range is from 0.00 to 9,994.00   6.00 to 10,000.00
Mean value in simulation was 166.58   172.58

Sizes of Gas Fields

| | | | | |
|0.14|2,117.43|4,234.73|6,352.02|8,469.31|
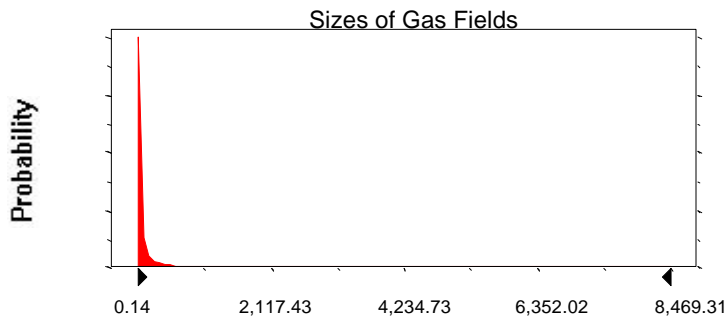
Assumption: LGR in Gas Fields

Triangular distribution with parameters:
Minimum	20.00
Likeliest	35.00
Maximum	50.00

Selected range is from 20.00 to 50.00
Mean value in simulation was 34.98
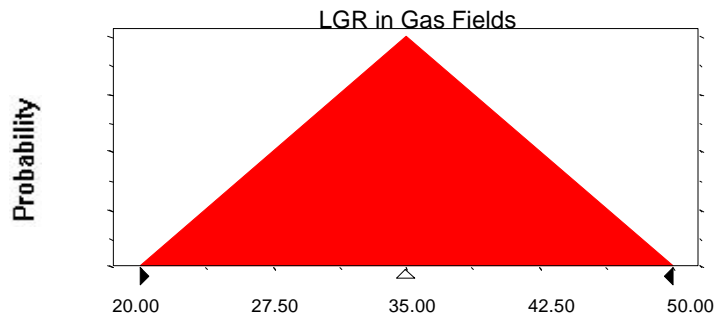
End of Assumptions

Simulation started on 8/20/99 at 10:48:48
Simulation stopped on 8/20/99 at 11:56:33