Indus Fan, Assessment Unit 80420102
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	10	0.55	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA
Gas Fields	60						0	2,081	13,494	3,919	0	70	483	137	387	1,463	5,606	1,994
Total		0.55	0	0	0	0	0	2,081	13,494	3,919	0	70	483	137				

Forecast: Gas in Gas Fields

Summary:
Display range is from 0.00 to 20,000.00 BCFG
Entire range is from 66.50 to 43,211.46 BCFG
After 50,000 trials, the standard error of the mean is 19.84

Statistics:	Value
Trials	50000
Mean	7,092.64
Median	6,230.87
Mode	---
Standard Deviation	4,436.23
Variance	19,680,117.84
Skewness	1.01
Kurtosis	4.24
Coefficient of Variability	0.63
Range Minimum	66.50
Range Maximum	43,211.46
Range Width	43,144.95
Mean Standard Error	19.84
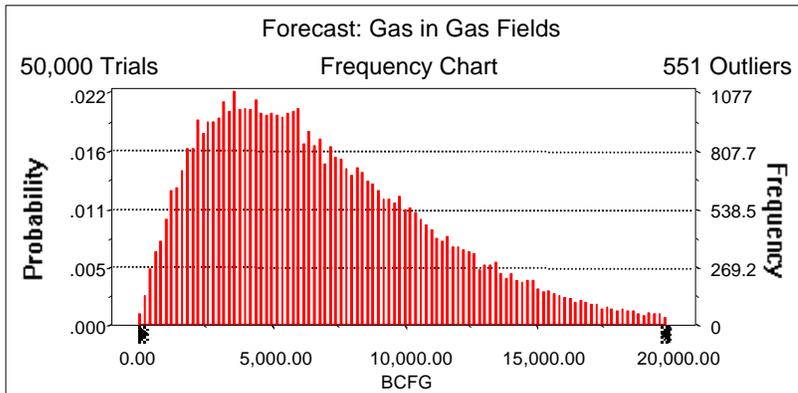
Forecast: Gas in Gas Fields
50,000 Trials — Frequency Chart — 551 Outliers

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	66.50
95%	1,470.37
90%	2,143.07
85%	2,686.93
80%	3,214.04
75%	3,706.77
70%	4,199.70
65%	4,699.22
60%	5,205.73
55%	5,722.64
50%	6,230.87
45%	6,816.11
40%	7,435.80
35%	8,109.33
30%	8,835.42
25%	9,668.22
20%	10,563.98
15%	11,697.96
10%	13,196.22
5%	15,471.90
0%	43,211.46

End of Forecast

Forecast: NGL in Gas Fields

Summary:
Display range is from 0.00 to 700.00 MMBNGL
Entire range is from 1.57 to 1,381.59 MMBNGL
After 50,000 trials, the standard error of the mean is 0.73

Statistics:	Value
Trials	50000
Mean	248.34
Median	213.74
Mode	---
Standard Deviation	163.85
Variance	26,846.50
Skewness	1.20
Kurtosis	5.01
Coefficient of Variability	0.66
Range Minimum	1.57
Range Maximum	1,381.59
Range Width	1,380.01
Mean Standard Error	0.73
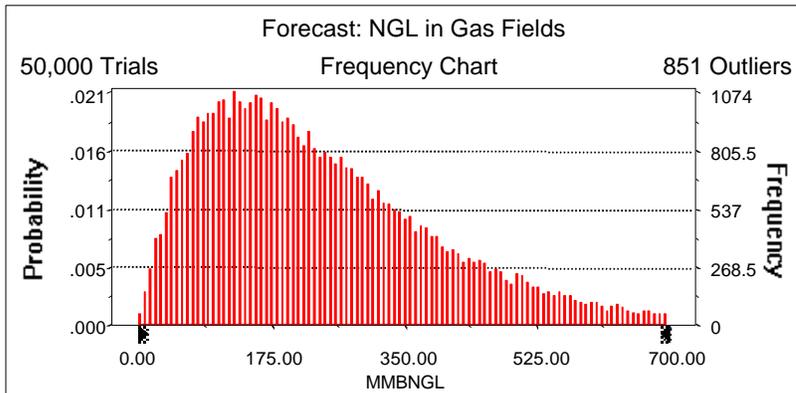
Forecast: NGL in Gas Fields

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	1.57
95%	49.02
90%	72.04
85%	90.75
80%	108.61
75%	125.91
70%	142.71
65%	159.55
60%	177.11
55%	194.79
50%	213.74
45%	234.27
40%	256.57
35%	279.90
30%	305.48
25%	335.07
20%	369.97
15%	412.94
10%	470.85
5%	562.20
0%	1,381.59

End of Forecast

Forecast: Largest Gas Field

Summary:
Display range is from 0.00 to 7,000.00 BCFG
Entire range is from 66.50 to 9,988.94 BCFG
After 50,000 trials, the standard error of the mean is 7.53

Statistics:	Value
Trials	50000
Mean	1,993.84
Median	1,462.86
Mode	---
Standard Deviation	1,683.46
Variance	2,834,052.37
Skewness	1.87
Kurtosis	6.89
Coefficient of Variability	0.84
Range Minimum	66.50
Range Maximum	9,988.94
Range Width	9,922.43
Mean Standard Error	7.53
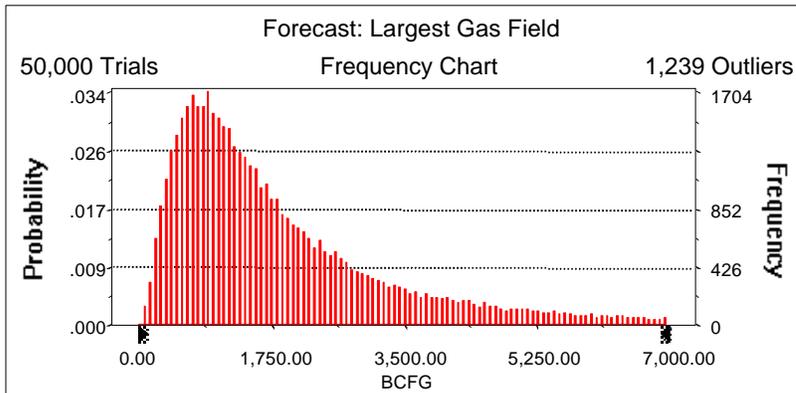
Forecast: Largest Gas Field
50,000 Trials   Frequency Chart   1,239 Outliers

Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	66.50
95%	386.76
90%	525.29
85%	642.78
80%	750.09
75%	858.40
70%	963.47
65%	1,077.21
60%	1,195.50
55%	1,322.13
50%	1,462.86
45%	1,616.80
40%	1,794.46
35%	1,997.37
30%	2,237.86
25%	2,535.22
20%	2,902.95
15%	3,429.16
10%	4,227.19
5%	5,605.96
0%	9,988.94

End of Forecast

Forecast: G-Risked Gas in Gas Fields

Summary:
Display range is from 0.00 to 17,500.00 BCFG
Entire range is from 0.00 to 43,211.46 BCFG
After 50,000 trials, the standard error of the mean is 21.57

Statistics:	Value
Trials	50000
Mean	3,919.23
Median	2,080.75
Mode	0.00
Standard Deviation	4,822.74
Variance	23,258,857.02
Skewness	1.26
Kurtosis	4.27
Coefficient of Variability	1.23
Range Minimum	0.00
Range Maximum	43,211.46
Range Width	43,211.46
Mean Standard Error	21.57
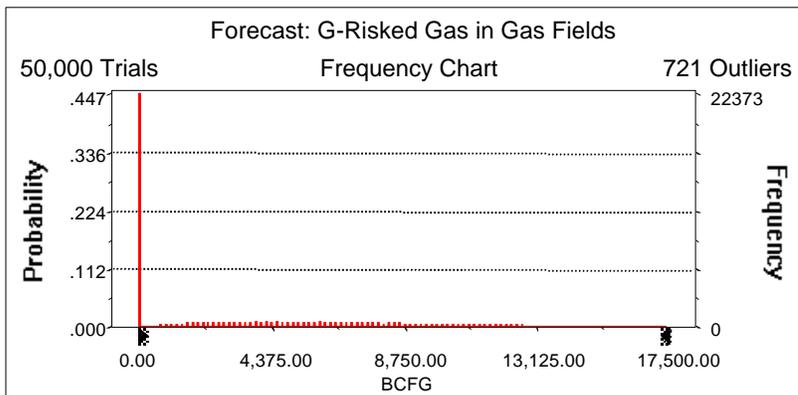
Forecast: G-Risked Gas in Gas Fields
50,000 Trials — Frequency Chart — 721 Outliers

Forecast: G-Risked Gas in Gas 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%	468.47
50%	2,080.75
45%	3,066.90
40%	3,967.68
35%	4,858.40
30%	5,793.39
25%	6,808.07
20%	7,939.78
15%	9,280.30
10%	10,969.41
5%	13,493.66
0%	43,211.46

End of Forecast

Forecast: G-Risked NGL in Gas Fields

Summary:
Display range is from 0.00 to 600.00 MMBNGL
Entire range is from 0.00 to 1,372.91 MMBNGL
After 50,000 trials, the standard error of the mean is 0.77

Statistics:	Value
Trials	50000
Mean	137.19
Median	70.05
Mode	0.00
Standard Deviation	173.11
Variance	29,967.25
Skewness	1.42
Kurtosis	5.03
Coefficient of Variability	1.26
Range Minimum	0.00
Range Maximum	1,372.91
Range Width	1,372.91
Mean Standard Error	0.77

Forecast: G-Risked NGL in Gas Fields

50,000 Trials   Frequency Chart   1,039 Outliers
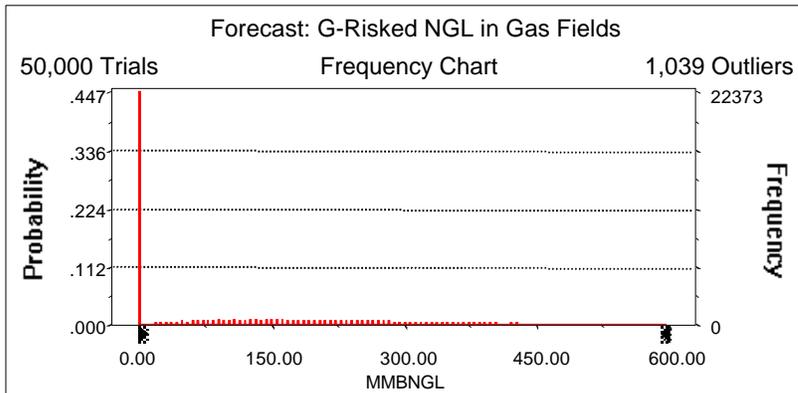
Forecast: G-Risked NGL in Gas Fields (cont'd)

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%	15.51
50%	70.05
45%	103.40
40%	134.91
35%	164.56
30%	197.61
25%	233.58
20%	274.22
15%	322.13
10%	384.82
5%	483.03
0%	1,372.91

End of Forecast

Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:
Minimum	1
Likeliest	13
Maximum	50

Selected range is from 1 to 50
Mean value in simulation was 21

Number of Gas Fields
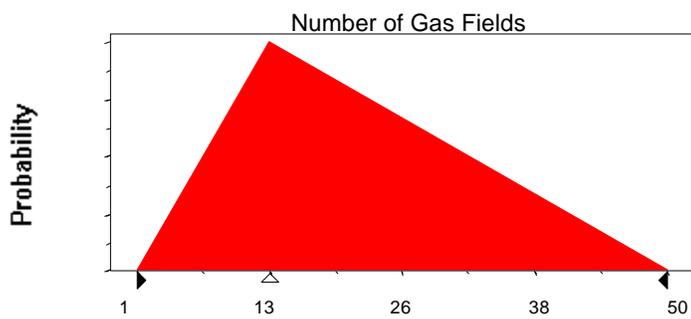
Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	286.81		346.81
Standard Deviation	867.81		867.81

Selected range is from 0.00 to 9,940.00		60.00 to 10,000.00	
Mean value in simulation was 270.12			330.12

Assumption: Sizes of Gas Fields (cont'd)

Sizes of Gas Fields
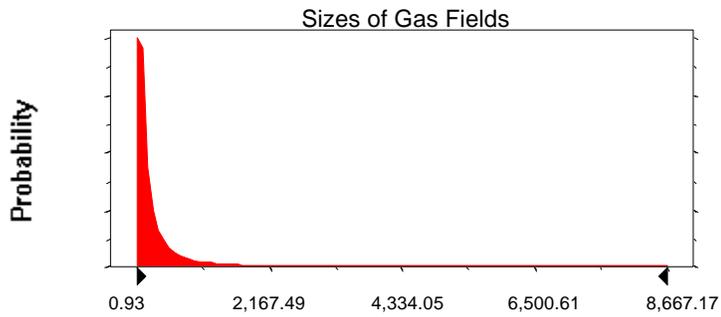
Assumption: LGR in Gas Fields

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 35.01

LGR in Gas Fields
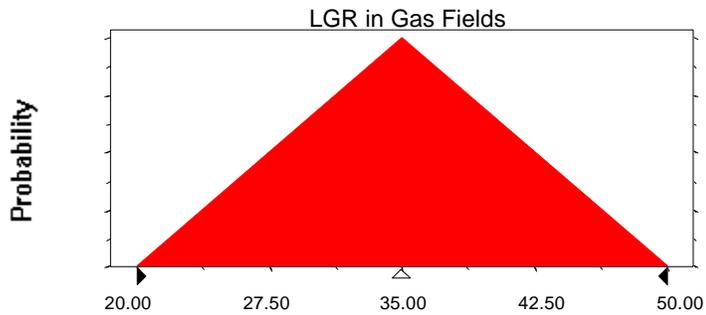
End of Assumptions

Simulation started on 1/4/00 at 16:16:47
Simulation stopped on 1/4/00 at 16:34:38