

BELLATRIX EXPLORATION LTD. BANKRUPTCY¹ CASE STUDY

FILED ON 10/02/2019



CreditRiskMonitor's warning of Bellatrix Exploration Ltd.'s ("Bellatrix") bankruptcy risk was determined by a combination of factors:

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^{1.} Bankruptcy throughout this case study refers to a proceeding in Canada called "Companies' Creditors Arrangement Act," which has several similarities to the U.S. Bankruptcy code.

MONTHLY AVERAGE FRISK® SCORE

CreditRiskMonitor's FRISK® score had been warning of financial stress at Bellatrix Exploration Ltd. (TSE: BXE) for more than a year.

We issued a special High Risk Report, dated June 14, 2019, as conditions continued to deteriorate and become more troubling.

The company ultimately filed for bankruptcy on October 2, 2019.

	2018		2019										
Business Name	0	N	D	J	F	M	Α	M	J	J	Α	S	0
Bellatrix Exploration Ltd	1	1	1	1	1	1	1	1	1	1	1	2	2

BANKRUPT!

The FRISK® score is
96% accurate² in
predicting the risk of
corporate failure/bankruptcy
over a 12-month horizon.
All FRISK® scores are
recalculated every night
for each subsequent
12-month period.

	EDICK® P	Probability of bankruptcy within 12 mo						
	rkisk	From	То					
Best	10	0.00%	0.12%					
	9	0.12%	0.27%					
	8	0.27%	0.34%					
	7	0.34%	0.55%					
	6	0.55%	0.87%					
	5	0.87%	1.40%					
	4	1.40%	2.10%					
	3	2.10%	4.00%					
	2	4.00%	9.99%					
Worst	1	9.99%	50.00%					

While the percentage risk of bankruptcy varies at each FRISK® score, 96% of public companies that eventually go bankrupt enter the FRISK® "red zone" prior to filing. A FRISK® score of 5 or less is an important warning sign.

^{2.} FRISK® score accuracy of 96% is based on backtesting of U.S. public companies; results may vary by country.

THE FRISK® SCORE COMPONENTS

At the core of the CreditRiskMonitor process is our 96% accurate FRISK® score, which indicates a company's level of financial stress on a scale of 1 to 10, based on the probability of bankruptcy over a 12-month horizon. When available, the FRISK® score incorporates a number of powerful risk indicators including:

A "Merton" type model using stock market capitalization and volatility Financial ratios, including those used in the Altman Z"-Score Model

Bond agency ratings from Moody's, Fitch, & DBRS

Crowdsourced CreditRiskMonitor Usage Data

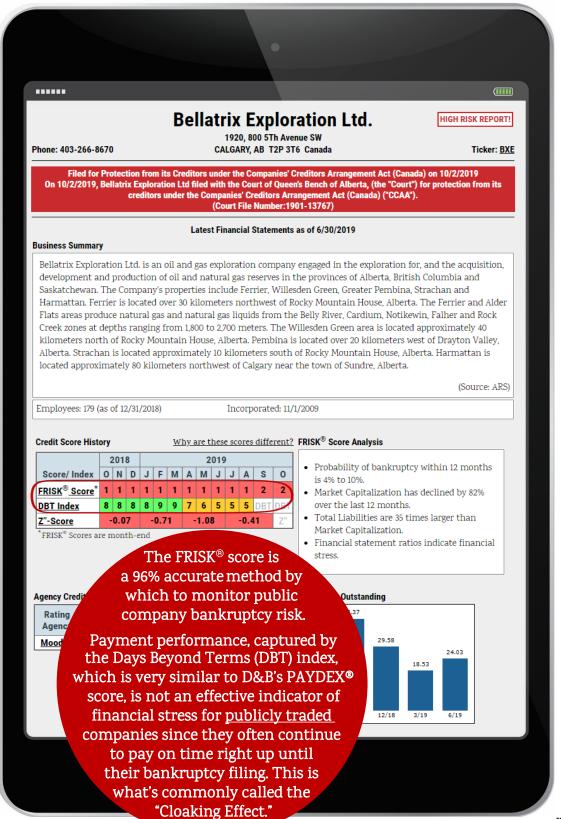
<u>Crowdsourcing</u> has enhanced the accuracy and timeliness of the FRISK® score. We collect and analyze data patterns from thousands of CreditRiskMonitor subscribers, including professionals from more than 35% of the Fortune 1000 and other large corporations worldwide.

The crowdsourcing advantage is even more powerful in our FRISK® score since many of the professionals who use our service are credit managers:

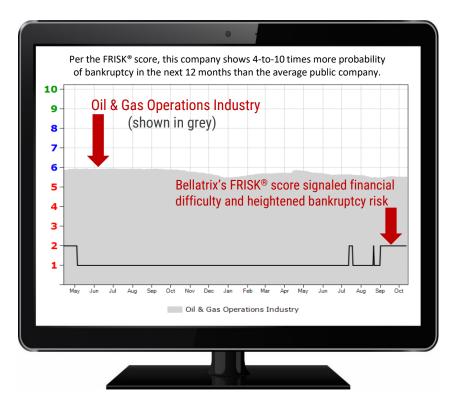
- Credit managers control one of the largest sources of working capital going into a company
- They are not held to the same "Fair Disclosure" restrictions that prevent nondisclosed information sharing on public companies
- Credit managers use a variety of non-public information sources such as their own company's management and sales representatives to be alerted to concerns in a public company's performance
- It is commonly known credit managers confidentially share information with other credit managers, thus collectively, their behavior helps to provide advanced insight to financial problems in public companies

Read more in Credit Research Foundation's quarterly journal article, "Assessing Public Company Financial Risk by Crowdsourcing the Research of Credit Professionals"

COMPANY REPORT DETAIL



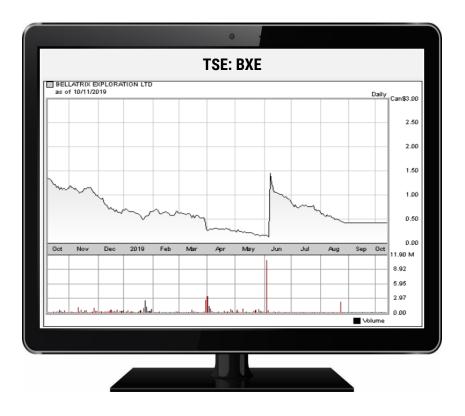
FRISK® DEEP DIVE



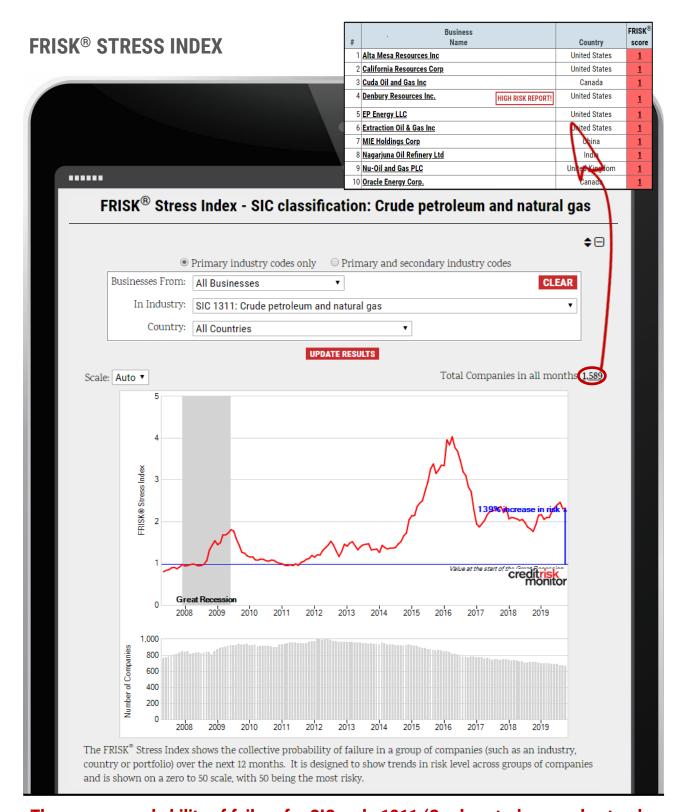
The FRISK® score relative to the broader Oil & Gas Operations industry raised an additional red flag signaling heightened risk relative to peers, as well...

MAKING IMMEDIATE ATTENTION REQUIRED.

ADJUSTED MARKET CAP VOLATILITY

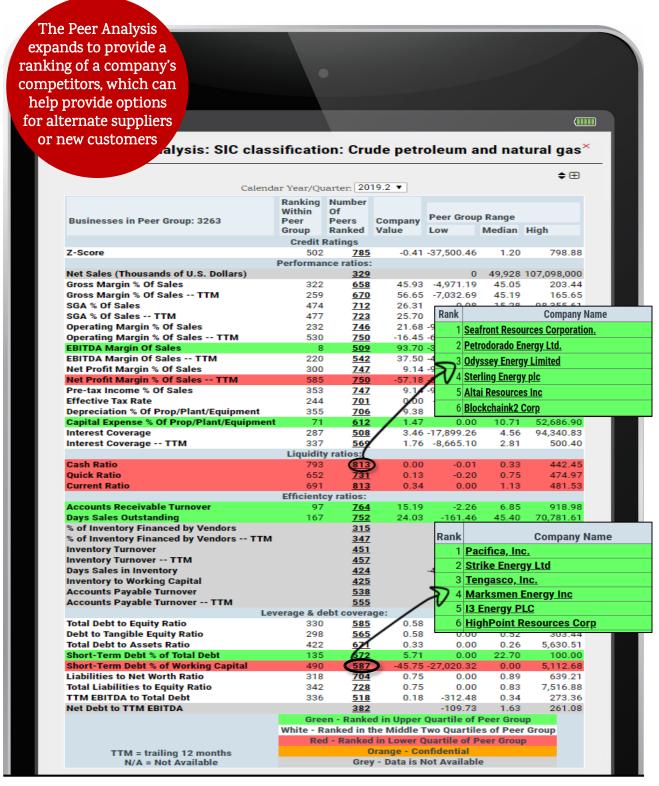


One of the inputs of the FRISK® score is a company's market cap volatility, adjusted for dividends, over the course of a year. Incorporating this information allows us to capture the "wisdom of markets" on a daily basis. This ensures our subscribers are getting the most up to date view of the risks they face since stocks tend to be more liquid and faster moving than bond prices and ratings.



The average probability of failure for SIC code 1311 (Crude petroleum and natural gas) has increased 139% since 2007. Bellatrix was among the weakest names in the industry as evidenced by its FRISK® score of 2.

PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS



Bellatrix Exploration Ltd. demonstrated bottom quartile ranking in key financial ratios (shown in red) versus its industry peers.

QUARTERLY PERFORMANCE RATIOS

Operating and net losses in all but one of the last five quarters

Interest coverage ratio signaled inability to meet current interest charges without impairing normal

Performance Ratios - Sequential Quarters

operations

	(Thousands of Canadian Dollars)				
Period Ended	3 mos 6/30/2019	3 mos 3/31/2019	3 mos 12/31/2018	3 mos 9/30/2018	3 mos 6/30/2018
Net Sales \$	\$40,801	\$61,276	\$51,549	\$45,850	\$47,922
% change	-33.41%	18.87%	12.43%	-4.32%	-19.60%
Gross Margin \$	\$18,738	\$41,872	\$30,339	\$22,060	\$22,280
% change	-55.25%	38.01%	37.53%	-0.99%	-31.90%
% of sales	45.93%	68.33%	58.85%	48.11%	46.49%
change as % of incremental sales	n/m	118.57%	145.27%	n/m	n/m
SG&A \$	\$10,733	\$12,869	\$14,195	\$13,468	\$14,258
% change	-16.60%	-9.34%	5.40%	-5.54%	7.61%
% of sales	26.31%	21.00%	27.54%	29.37%	29.75%
change as % of incremental sales	n/m	-13.63%	12.76%	n/m	n/m
Operating margin \$	\$8,845	(\$8,893)	(\$15,536)	(\$17,235)	(\$20,820)
% change	199.46%	42.76%	9.86%	17.22%	-150.87%
% of sales	21.68%	-14.51%	-30.14%	-37.59%	-43.45%
change as % of incremental sales	n/m	68.29%	29.81%	n/m	n/m
EBITDA \$	\$38,232	\$21,447	\$8,195	\$6,937	\$7,623
% change	78.26%	161.71%	18.13%	-9.00%	-75.37%
% of sales	93.70%	35.00%	15.90%	15.13%	15.91%
change as % of incremental sales	n/m	136.24%	22.07%	n/m	n/m
EBIT \$	\$8,853	(\$8,893)	(\$17,814)	(\$18,518)	(\$20,901)
% change	199.55%	50.08%	3.80%	11.40%	-695.98%
% of sales	21.70%	-14.51%	-34.56%	-40.39%	-43.61%
change as % of incremental sales	n/m	91.71%	12.35%	n/m	n/m
Pre-tax income \$	\$3,728	(\$19,109)	(\$20,359)	(\$16,311)	(\$47,250)
% change	119.51%	6.14%	-24.82%	65.48%	-234.54%
% of sales	9.14%	-31.19%	-39.49%	-35.57%	-98.60%
change as % of incremental sales	n/m	12.85%	-71.03%	n/m	n/m
Net income (loss) \$	\$3,728	(\$19,109)	(\$89,788)	(\$8,882)	(\$34,768)
% change	119.51%	78.72%	-910.90%	74.45%	-169.50%
% of sales	9.14%	-31.19%	-174.18%	-19.37%	-72.55%
change as % of incremental sales	n/m	726.63%	-1,419.65%	n/m	n/m
Tax expense \$	\$0	\$0	\$69,429	(\$7,429)	(\$12,482)
Effective tax rate	0.00%	0.00%	-341.02%	45.55%	26.42%
Depreciation expense \$ % of sales	\$29,379 72.01%	\$30,340 49.51%	\$26,009 50.45%	\$25,455 55,52%	\$28,524 59.52%
% of capital expenses	639.65%	147.53%	80.30%	344.08%	488.76%
% of Capital expenses % of PP&E, net (annualized)	9.38%	9.92%	8.88%	8.68%	9.55%
Capital expenditures \$	\$4,593	\$20,566	\$32,390	\$7,398	\$5,836
% change	-77.67%	-36.51%	337.82%	26.76%	-76.15%
% of PP&E, net (annualized)	1.47%	6.72%	11.06%	2.52%	1.95%
% of working capital (annualized)	-24.59%	-102.44%	-302.79%	-156.14%	-153.65%
Interest coverage ratio	3.46	1.84	0.83	0.70	0.29
% change	87.96%	121.58%	19.01%	141.51%	-83.52%
Free cash flow \$	\$22,060	(\$13,040)	(\$4,151)	\$219	\$6,168
% change	269.17%	-214.14%	-1,995.43%	-96.45%	162.60%
Source:	Interim Report	Interim Report	ARS	Interim Report	Interim Report
	8/7/2019	5/15/2019	3/14/2019	11/1/2018	8/2/2018
NOTE: This is a Canadian company whose reported fi					

International Financial Reporting Standards.

QUARTERLY LEVERAGE RATIOS

Total liabilities to tangible net worth ratio signals heightened risk in the last 5 quarters

Short-term debt as a percentage of working capital is negative in the last five quarters

Leverage Ratios - Sequential Quarters (Thousands of Canadian Dollars)

	(Thousands of (comocian Donar	-/		
Period Ended	6/30/2019	3/31/2019	12/31/2018	9/30/2018	6/30/2018
Total debt \$	\$421,711	\$512,327	\$435,364	\$412,553	\$422,231
% change	-17.69%	17.68%	5.53%	-2.29%	-0.06%
Stockholders' equity \$	\$722,787	\$653,613	\$672,725	\$739,955	\$747,191
% change	10.58%	-2.84%	-9.09%	-0.97%	-1.84%
Total debt to equity ratio	0.58	0.78	0.65	0.56	0.57
% change	-25.56%	21.11%	16.09%	-1.34%	1.82%
Tangible net worth \$	\$722,787	\$653,613	\$672,725	\$739,955	\$747,191
% change	10.58%	-2.84%	-9.09%	-0.97%	-1.84%
Total debt to tangible net worth	0.58	0.78	0.65	0.56	0.57
% change	-25.56%	21.11%	16.09%	-1.34%	1.82%
Total assets \$	\$1,267,939	\$1,308,915	\$1,235,743	\$1,286,877	\$1,311,330
% change	-3.13%	5.92%	-3.97%	-1.86%	-1.41%
Total debt to assets ratio	0.33	0.39	0.35	0.32	0.32
% change	-15.02%	11.10%	9.89%	-0.43%	1.39%
Tangible assets \$	\$1,267,939	\$1,308,915	\$1,235,743	\$1,286,877	\$1,311,330
% change	-3.13%	5.92%	-3.97%	-1.86%	-1.41%
Short-term debt \$	\$24,100	\$64,355	\$49,672	\$1,836	\$1,830
% change	-62.55%	29.56%	2,605.45%	0.33%	-37.54%
Short-term debt % of total debt	5.71%	12.56%	11.41%	0.45%	0.43%
% change	-54.50%	10.10%	2,463.89%	2.68%	-37.51%
Short-term debt % of working capital	-45.75%	-66.52%	-77.78%	-8.46%	-11.30%
% change	31.22%	14.48%	-819.86%	25.20%	45.23%
Total liabilities \$	\$545,152		\$563,018		
% change	-16.81%	16.39%	2.94%	-3.05%	-0.84%
Total liabilities to equity ratio	0.75	1.00	0.84	0.74	0.76
% change	-24.78%	19.80%	13.23%	-2.11%	1.03%
Total liabilities to tangible net worth ratio	0.75	1.00	0.84		0.76
% change	-24.78%	19.80%	13.23%	-2.11%	1.03%
Total debt to EBITDA ratio (annualized)	2.76	5.97	13.28	14.87	13.85
% change	-53.82%	-55.03%	-10.67%	7.37%	305.70%
Source:	Interim Report		ARS	Interim Report	
	8/7/2019	5/15/2019	3/14/2019	11/1/2018	8/2/2018
NOTE: This is a Canadian company whose reported financia	ctatements	adian Dali	lare and whose curre	ant financial statements	t are reported under

NOTE: This is a Canadian company whose reported financial statement ian Dollars and whose current financial statements are reported under Total debt to

> EBITDA ratio (annualized) signals that the ability to meet financial obligations is in jeopardy

QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

Recurring Meager quick and negative working current capital ratios **Liquidity Ratios - Sequential Quarters** (Thousands of Canadian Dollars) Period Ended 6/30/2019 3/31/2019 12/31/2018 9/30/2018 6/30/2018 Current assets \$ \$27,107 \$42,611 \$50,323 \$55,208 \$63,746 % change -36.39% -15.33% -8.85% -13.39% -11.07% % of short-term debt 112.48% 66.21% 101.31% 3,006.97% 3.483.39% Current liabilities \$ \$79,780 \$139,359 \$114,187 \$76,922 \$79,936 % change -42.75% 22.04% 48.45% -3.77%-6.92%■ Working capital \$ (\$16,190) (\$52,673) (\$96,748) (\$63,864)(\$21,714) 45.56% -51.49% -194.11% -34.12% -14.05% % change % of sales (annualized) -32.27% -39.47% -30.97% -11.84% -8.45% Quick assets \$ \$10,009 \$11,479 \$13,406 \$20,018 \$22,565 % change -12.81% -14.37% -33.03% -11.29% 76.06% % of short-term debt 41.53% 17.84% 26.99% 1,090.31% 1,233.06% Quick ratio 0.13 0.08 0.12 0.26 0.28 % change 52.31% -29.81% -54.88% -7.83% 89.08% Current ratio 0.34 0.31 0.44 0.72 0.80 % change 11.12% -30.61% -38.60% -10.01% -4.46% Source: Interim Report Interim Report ARS Interim Report Interim Report 3/14/2019 8/7/2019 5/15/2019 11/1/2018 8/2/2018 NOTE: This is a Canadian company whose reported financial statements are denominated in Canadian Dollars and whose current financial statements are reported under International Financial Reporting Standards.

Negative returns in all but one of the last five Rate of Return - Sequential Quarters quarters (Thousands of Canadian Dollars) 3 mos 3 mos 3 mas 3 mos 3 mos Period Ended 6/30/2019 3/31/2019 12/31/2018 9/30/2018 6/30/2018 Return on equity -2.84% -12.13% -1.19% -4.57% 0.57% 120.08% % change 76.59% -920.80% 73.97% -174.03% -4.57% Return on net tangible equity 0.57% -2.84% -12.13% -1.19% 120.08% 76.59% -920.80% 73.97% -174.03% % change Return on total assets 0.29% -1.50% -7.12% -0.68% -2.63% 74.03% -172.52% % change 119.26% 78.90% -941.19% Return on tangible assets 0.29% -1.50% -7 12% -0.68% -2.63% % change 119.26% 78.90% -941.19% 74.03% -172.52%Source: Interim Report Interim Report ARS Interim Report Interim Report 3/14/2019 11/1/2018 8/7/2019 5/15/2019 8/2/2018 NOTE: This is a Canadian company whose reported financial statements are denominated in Canadian Dollars and whose current financial statements are reported under International Financial Reporting Standards.

NEWS ALERTS: A TIMELINE OF CONCERNING NEWS ITEMS

Bellatrix's Q	3 2018 net los	s was \$8.8 million; it's year-to-date net loss was \$56.6 million.
11/3/2018	CRMZ News Service	Bellatrix Exploration Ltd updated financials available
	oorting require	educe listing fees, internal administration costs, and costs associated ments, Bellatrix's board of directors announced a NYSE delisting of its
1/22/2019	Globe Newswire	Bellatrix Announces Voluntary NYSE Delisting
Bellatrix's Q	4 2018 net los	s was \$89.8 million; it's year-to-date net loss was \$146.3 million.
3/16/2019	CRMZ News Service	Bellatrix Exploration Ltd updated financials available
and complet		's announcement of a proposed recapitalization transaction, if approved d, would likely lead to a limited default designation on certain of the s. Moody's says Bellatrix's proposed recapitalization would likely lead to limited default
	1 2019 working f last year's sai	g capital decreased to negative \$96.8 million from negative \$14.2 million
	Service 3 2019 net los	s for the year-to-date period was \$15.4 million.
8/9/2019	CRMZ News Service	Bellatrix Exploration Ltd updated financials available
Bellatrix Ex	ploration Ltd. f	iled for bankruptcy
10/2/2019	GlobeNewswire	Bellatrix Announces Strategic Process and a Court-Supervised Restructuring Proceeding

ABOUT THIS REPORT/CONTACT CREDITRISKMONITOR



CreditRiskMonitor is a financial risk analysis and news service that helps credit, supply chain and financial professionals stay ahead of and manage risk quickly, accurately and cost effectively. More than 35% of the Fortune 1000, plus over a thousand other large corporations worldwide, rely on our financial risk coverage of over 58,000 global public companies.

CreditRiskMonitor Bankruptcy Case Studies provide post-filing analyses of public company bankruptcies. Our case studies educate subscribers about methods they can apply to assess bankruptcy risk using CreditRiskMonitor's proprietary FRISK® score, robust financial database and timely news alerts.

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Read more Bankruptcy Case Studies, High Risk Reports and other resources

Contact us at: 845.230.3000 creditriskmonitor.com/contact-us