

PETROQUEST ENERGY, INC. BANKRUPTCY CASE STUDY FILED ON 11/06/2018



CreditRiskMonitor's warning of PetroQuest Energy Inc.'s ("PetroQuest") bankruptcy risk was determined by a combination of factors:

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MONTHLY AVERAGE FRISK® SCORE

CreditRiskMonitor's FRISK[®] score had been warning of financial stress at PetroQuest Energy, Inc.(OTC: PQUEQ) for more than a year.

The company ultimately filed for bankruptcy on 11/06/2018

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NO
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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.

*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:



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

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

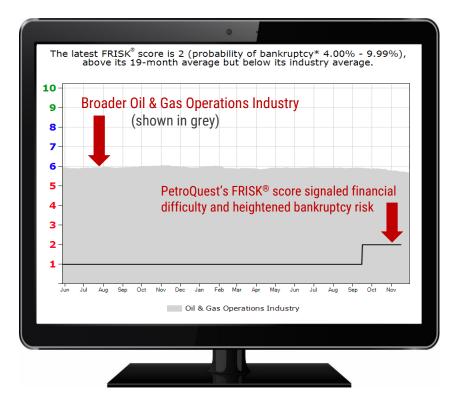


COMPANY REPORT DETAIL

Phone: (337)	232-7028		etroQue 400 E Kalist LAFAYETTE, LA	te Saloom Rd Ste	e 6000	
	Case #18-3	6322, filed in t		nkruptcy on 11/6 tcy Court for the	6/2018 e Southern District of Texas (Houston)	
		l	Latest Financial S	Statements as of	f 9/30/2018	
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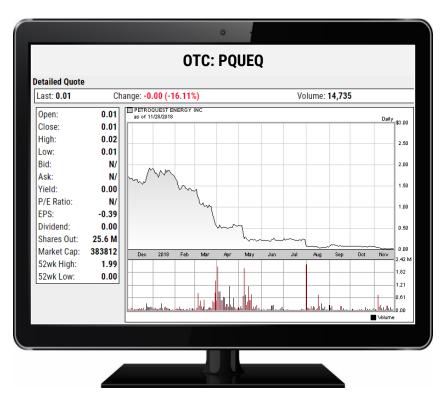
FRISK[®] DEEP DIVE



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

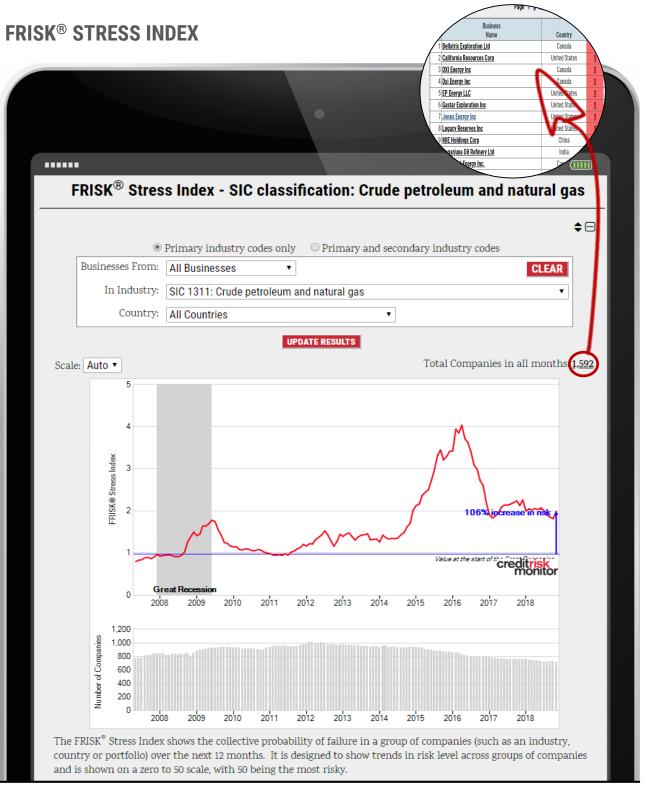


One of the inputs of the FRISK[®] score is a company's market cap volatility, adjusted for dividends, over the course of a year. Incorporating this information allows us to capture the "wisdom of markets" on a daily basis. This ensures our subscribers are getting the most up to date view of the risks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



| 5

Request a Personalized Demo



The average probability of failure for SIC code 1311 (Crude petroleum and natural gas) has increased 106% since 2007. PetroQuest was among the weakest names in the industry as evidenced by its FRISK[®] score of 2.



PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS

r/Quarter: 2018.3 🔻

PetroQuest demonstrates bottom quartile ranking in key financial ratios (shown in red) vs. its industry peers.

Peer Analysis

The Peer Analysis expands to provide a ranking of a company's competitors, which can help provide options for alternate suppliers or new customers.

n/Quarter: 201					new cus	
Peer Group: Sec	tor: Energy, Indus	stry: Oil & Ga	as Operation	s		
REF	RESH					
ctor: Energy] [Industry	7: Oil & Gas Oper	rations] [Ca	alendar Yeai	/Quarter: 20	018.3]	
	Ranking	Number				
	Within	Of				
Businesses in Peer Group: 5017	Peer	Peers	Company		r Group Ran	
	Group	Ranked	Value	Low	Median	High
	Credit R	atings				
ZScore	461	<u>501</u>	-12.96	-9,686.07	1.54	5,117.32
	Performance					Company Name
Net Sales (Thousands of U.S. Dollars)	156	249	20,886	0	82,10 AD Altura En	
Gross Margin % Of Sales	116	480	74.83	-666.67		Group Public Company Limited
Gross Margin % Of Sales TTM SG&A % Of Sales	124	489 512	70.45 22.89	-2,884.62 0.06	3 Tengasco	
SG&A % Of Sales TTM	335	523	16.74	0.07		stream Partners LP
Operating Margin % Of Sales	456	523	-17.51	-40,514.44		I Exploration Inc h Energy Services Inc
Operating Margin % Of Sales TTM	413	521	-17.51	-80,133.33	71 PLC	
EBITDA Margin Of Sales	122	411	53.62	-38,549,30		<u>y Royalty Ltd</u>
EBITDA Margin Of Sales TTM	106	424	53.01	-85,866.67		Oil Ind Co Ltd
Net Profit Margin % Of Sales	433	521	-17.69	-75,506.46		Petroleum Corp dstream Partners LP
Net Profit Margin % Of Sales - TTM	379	529	-4.93	-48,601.27	2.35	
Pre-tax Income % Of Sales	431	521	-17.51	-75,506.46	3.74	6,275.56
Effective Tax Rate	48	467	-1.04	-18,989.99	19.09	357.49
Depreciation % Of Prop/Plant/Equipment	451	491	28.13	0.00	9.51	735.04
Capital Expense % Of Prop/Plant/Equipment	318	427	24.13	0.00	13.91	73,791.67
Interest Coverage	289	376	1.20	-4,685.96	3.88	1,418.00
Interest Coverage TTM	265	411	1.72	-10,290.81	3.07	1,295.78
	Liquidity	ratios:				
Cash Ratio	154	543	0.67	0.00	0.25	4,866.80
Quick Ratio	193	<u>517</u>	0.92	0.00	0.71	4,877.82
Current Ratio	194	543	1.37	0.00	1.12	4,879.87
	Efficiency					\frown
Accounts Receivable Turnover	278	522	8.58	0.00	8.91	Company Name
Days Sales Outstanding	296	522	42.53	0.00		sources Ltd.
% of Inventory Financed by Vendors % of Inventory Financed by Vendors TTM	N/A	<u>267</u> 273	N/A N/A	1.58 2.12		ergy inc Creek Energy Inc
Inventory Turnover	N/A N/A	338	N/A	0.00	4 BP Midst	ream Partners LP
Inventory Turnover TTM	N/A	353	N/A	0.00	5 Charron I	Lubricants Lanka PLC
Days Sales in Inventory	N/A	321	N/A	0.00		ation Oil (Singapore) Corp Ltd
Inventory to Working Capital	N/A	336	N/A	-201.69	8 KoZhaN /	Petroleum Corp
Accounts Payable Turnover	224	388	4.41	0.00		<u>n Energy Services Inc</u>
Accounts Payable Turnover TTM	309	399	1.52	-0.06		ources Ltd.
	Leverage & de					shore Services JSC
Total Debt to Equity Ratio	N/A	434	N/A	0.00	0.60	Energy Inc.
Debt to Tangible Equity Ratio	N/A	41	N/A	0.00	0.63	70.43
Total Debt to Assets Ratio	471	475	2.56	0.00	0.28	1,445.95
Short-Term Debt % of Total Debt	N/A	340	N/A	0.00	29.12	100.00
Short-Term Debt % of Working Capital	N/A	<u>351</u>	N/A		0.54	22,168.16
Liabilities to Net Worth Ratio	N/A	<u>484</u>	N/A	0.00	1.18	94.36
Total Liabilities to Equity Ratio	N/A	<u>502</u>	N/A	0.00	1.17	94.36
TTM EBITDA Over Total Debt	255	375	0.16	-96.02	0.30	568.00
Net Debt Over TTM EBITDA	261	305	5.68	-7.45		213.37
			n Upper Qua			
			Middle Two		<u> </u>	
	Red		Lower Quar		sroup	
TTM = trailing 12 months			nge - Confid			
N/A = Not Available		Grey -	Data is Not A	vallable		



QUARTERLY PERFORMANCE RATIOS

Recurring				Insuf	ficient
operating					coverage
and				ratio a	and free
net losses				cast	n flow
Perform	mance Ratios (Thousands	of U.S. Dollars)	ial Quarter	rs	
	3 mos	6 mos	3 mos	3 mos	3 mos
Period Ended	9/30/2018	6/30/2018	3/31/2018	12/31/2017	9/30/2017
Net Sales \$ % change	\$20,886 n/a	\$46,424 n/a	n/a n/a	\$35,080 24.47%	\$28,184 16.22%
Gross Margin \$	\$15,628	\$32,851	n/a	\$23,658	\$18,209
% change	n/a	,52,651 n/a	n/a	29,92%	9.90%
% of sales	74.83%	70.76%	n/a	67.44%	64.61%
change as % of incremental sales	n/a	n/a	n/a	79.02%	41.72%
SG&A \$	\$4,780	\$7,304	n/a	\$5,052	\$3,341
% change	n/a	n/a	n/a	51.21%	-22.55%
% of sales	22.89%	15.73%	n/a	14.40%	11.85%
change as % of incremental sales	n/a	n/a	n/a	24.81%	-24.74%
Operating margin \$	(\$3,657)	(\$2,147)	n/a	\$221	(\$1,885)
% change	n/a	n/a	n/a	111.72%	17.65%
% of sales	-17.51%	-4.62%	n/a	0.63%	-6.69%
change as % of incremental sales	n/a	n/a	n/a	30.54%	10.27%
EBITDA \$	\$11,200	\$25,498	n/a	\$17,581	\$14,281
% change	n/a	n/a	n/a	23.11%	22.07%
% of sales	53.62%	54.92%	n/a	50.12%	50.67%
change as % of incremental sales	n/a	n/a	n/a	47.85%	65.65%
EBIT \$	\$5,714	\$12,970	n/a	\$7,281	\$5,486
% change % of sales	n/a 27.36%	n/a 27.94%	n/a n/a	32.72% 20.76%	12.93% 19.46%
change as % of incremental sales	27.30% n/a	27.94% n/a	n/a	26.03%	15.97%
Pre-tax income \$	(\$3,657)	(\$2,147)	n/a	\$221	(\$1,885)
% change	(\$3,637) n/a	(v2 ,147) n/a	n/a	111.72%	17.65%
% of sales	-17.51%	-4.62%	n/a	0.63%	-6.69%
change as % of incremental sales	n/a	n/a	n/a	30.54%	10.27%
Net income (loss) \$	(\$3,695)	(\$2,253)	n/a	\$896	(\$1,801)
% change	n/a	n/a	n/a	149.75%	14.24%
% of sales	-17.69%	-4.85%	n/a	2.55%	-6.39%
change as % of incremental sales	n/a	n/a	n/a	39.11%	7.60%
Tax expense \$	\$38	\$106	n/a	(\$65,590)	(\$84)
Effective tax rate	-1.04%	-4.94%	n/a	-29,678.73%	4.46%
Depreciation expense \$	\$5,486	\$12,528	n/a	\$10,300	\$8,795
% of sales	26.27%	26.99%	n/a	29.36%	31.21%
% of capital expenses	116.57%	101.45%	n/a	52.35%	37.75%
% of PP&E, net (annualized)	28.13%	30.92%	n/a	37.30%	32.53%
Capital expenditures \$	\$4,706	\$12,349	\$8,313	\$19,674	\$23,295
% change	n/a	n/a	-57.75%	-15.54%	116.01%
% of PP&E, net (annualized)	24.13%	30.48%	35.10%	71.24%	86.15%
% of working capital (annualized) Interest coverage ratio	372.83%	-395.96%	-459.69%	-497.26%	-417.75%
% change	1.20 n/a	1.69 n/a	n/a n/a	2.49 28.53%	1.94 18.36%
Free cash flow \$	\$78	(\$15,268)	(\$3,233)	(\$10,849)	(\$1,661)
% change	n/a	n/a	70.20%	-553.16%	84.19%
Source:	10-Q	10-Q	10-Q	10-K	10-Q
	11/13/2018	11/13/2018	11/13/2018	3/8/2018	11/2/2017



QUARTERLY LEVERAGE RATIOS

Total debt to tangible net worth and debt to assets ratios signaled heightened risk

Leverage Ratios - Sequential Quarters

	(Thousands of	U.S. Dollars)			
Period Ended	9/30/2018	6/30/2018	3/31/2018	12/31/2017	9/30/2017
Total debt \$	\$334,044	\$315,143	\$312,482	\$309,361	\$308,351
% change	6.00%	0.85%	1.01%	0.33%	1.96%
Stockholders' equity \$	(\$258,565)	(\$254,247)	(\$251,809)	(\$248,935)	(\$256,204)
% change	-1.70%	-0.97%	-1.15%	2.84%	-1.09%
Tangible net worth \$	(\$258,565)	(\$254,247)	(\$251,809)	(\$248,935)	(\$256,204)
% change	-1.70%	-0.97%	-1.15%	2.84%	-1.09%
Total assets \$	\$130,438	\$114,852	\$127,784	\$164,298	\$159,526
% change	13.57%	-10.12%	-22.22%	2.99%	7.37%
Total debt to assets ratio	2.56	2.74	2.45	1.88	1.93
% change	-6.67%	12.21%	29.87%	-2.59%	-5.05%
Tangible assets \$	\$130,438	\$114,852	\$127,784	\$164,298	\$159,526
% change	13.57%	-10.12%	-22.22%	2.99%	7.37%
Total liabilities \$	\$389,003	\$369,099	\$379,593	\$413,233	\$415,730
% change	5.39%	-2.76%	-8.14%	-0.60%	3.41%
Total debt to EBITDA ratio (annualized)	7.46	6.18	n/a	4.40	5.40
% change	20.66%	n/a	n/a	-18.50%	-16.48%
Source:	10-Q	10-Q	10-Q	10-K	10-Q

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QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

Insufficient working capital		•			
	Liquidity Ratio	os - Sequer usands of U.S. Dol		rs	
Period Ended	9/30/2018	6/30/2018	3/31/2018	12/31/2017	9/30/2017
Current assets \$	\$51,968	\$34,864	\$44,109	\$56,941	\$37,763
% change	49.06%	-20.96%	-22.54%	50.79%	-3.72%
Current liabilities \$	\$37,963	\$38,771	\$52,677	\$62,840	\$63,516
% change	-2.08%	-26.40%	-16.17%	-1.06%	9.36%
Working capital \$	\$14,005	(\$3,907)	(\$8,568)	(\$5,899)	(\$25,753)
% change	458.46%	54.40%	-45.25%	77.09%	-36.57%
% of sales (annualized)	16.76%	-4.21%	n/a	-4.20%	-22.84%
Cash \$	\$25,500	\$5,792	\$14,178	\$15,655	\$18,064
% change	340.26%	-59.15%	-9.43%	-13.34%	-8.64%
Cash ratio	0.67	0.15	0.27	0.25	0.28
% change	349.60%	-44.48%	8.03%	-12.41%	-16.45%
Quick assets \$	\$34,834	\$15,929	\$25,049	\$37,592	\$33,529
% change	118.68%	-36.41%	-33.37%	12.12%	-3.22%
Quick ratio	0.92	0.41	0.48	0.60	0.53
% change	123.37%	-13.61%	-20.51%	13.32%	-11.50%
Current ratio	1.37	0.90	0.84	0.91	0.59
% change	52.24%	7.39%	-7.59%	52.41%	-11.97%
Source:	10-Q 11/13/2018	10-Q 8/7/2018	10-Q 5/8/2018	10-К 3/8/2018	10-Q 11/2/2017

	Rate of Retur	n - Sequent sands of U.S. Doll	*		Inadequate rate of return
	3 mos	6 mos	3 mos	3 mos	3 mos
Period Ended	9/30/2018	6/30/2018	3/31/2018	12/31/2017	9/30/2017
Return on total assets	-3.01%	-1.86%	0.00%	0.55%	-1.17%
% change	n/a	n/a	-100.00%	147.34%	16.82%
Return on tangible assets	-3.01%	-1.86%	0.00%	0.55%	-1.17%
% change	n/a	n/a	-100.00%	147.34%	16.82%
Source:	10-Q 11/13/2018	10-Q 11/13/2018	10-Q 11/13/2018	10-К 3/8/2018	10-Q 11/2/2017

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NEWS ALERTS: A TIMELINE OF CONCERNING HEADLINES

5/10/2018	CRMZ News Service	Petroquest Energy Inc updated financials available
Over the 30 day stock was less t		n April 9, 2018, the average closing price of PetroQuest's comm
5/22/2018	CRMZ News Service	PETROQUEST ENERGY INC: a Form 25-NSE has been Filed with the SEC
The Company e .oan Agreemen		consent agreement with lenders pertaining to a Multidraw Term
6/22/2018	CRMZ News Service	PETROQUEST ENERGY INC FILES (8-K) Disclosing Other Events
Restructuring a	dvisors were consulted t	to possibly reorganize PetroQuest's capital structure.
7/31/2018	Globe Newswire	PetroQuest Energy, Inc. Announces Review of Alternatives Related to its Capi Structure, Engagement of Advisors and Second Quarter 2018 Earnings Releas Date
Sales for Q2 20 nillion.	18 decreased 11% to \$	21.6 million versus last year's comparable period amount of \$24.
8/8/2018	CRMZ News Service	Petroquest Energy Inc updated financials available
PetroQuest ento be extended set		reements on its senior secured notes. Their expiration dates wo
9/17/2018	CRMZ News Service	Petroquest Energy Buys More Time As Potential Bankruptcy Looms
		t net loss for the period increased 105% to \$3.7 million
		or the same period last year.
compared with 11/7/2018	net loss of \$1.8 million f	or the same period last year.



MANAGEMENT DISCUSSION AND ANALYSIS

One of the CreditRiskMonitor service's features is the ability to quickly access a Company's Management Discussion and Analysis (MD&A) history.

The MD&A represents the thoughts and opinions of management, and provides a forecast of future operations, and therefore these statements can't typically be falsified. According to the Financial Accounting Standards Board (FASB), "MD&A should provide a balanced presentation that includes both positive and negative information about the topics discussed."

			Sarbanes-Oxley subjects CEOs ar CFOs to jail and monetary penalt
			for certifying
Report		PetroQuest Energy, Inc.	misleading or
Overview	•	400 E Kaliste Saloom Rd Ste 6000	fraudulent repor
Company News	Phone: (337) 232-7028	LAFAYETTE, LA 70508-8523 United States	
Risk Ratings	•	Filed for Bankruptcy on 11/6/2018	
Important Information	Case #18-36	i322, filed in the U.S. Bankruptcy Court for the Southern Distri	ct of Texas (Houston)
Annual Financials	•	Management Discussion and Analy	sis
Year/Year Interim		·······	
,		For the period ended 6/30/2018	
Sequential Quarters	Despite the foregoi	ng actions, our overall liquidity posi.	tion and our cash
Liquidity (MD&A)		al expenditures continue to be negative	
SEC Filings		aral gas prices, declining production as a outstanding indebtedness. Due to the	
Peer Analysis		n January 2018 and normal production de	
Payments	-	the second quarter of 2018 when compared our cash flow from operations for the	
Public Filings		negative \$2.9 million. The sale of ou bined with reduced capital spending in	
General Info	result in declining	production, proved reserves and cash	flow from operations
		ompared to 2017. At June 30, 2018, we have approximately \$317.0 million aggregated	
Access History		edness, and we had deferred nine divide:	
Update Portfolio	*	es B Preferred Stock and accrued a \$12 e deferred payments and the quarterly d	
Print/Save Report		2018. In addition, beginning with the	
		our 2021 PIK Notes (as defined below)	
Currency Converter		our 2021 PIK Notes at 10% in cash (ins	
Currency Converter Send This to a Colleague	9% in payment in ki our 2021 PIK Notes \$14.2 million. In a Loan Agreement are the Coverage Ratio	.nd). The cash interest payment due on a and 2021 Notes (as defined below) will addition, our available borrowings unde subject to reductions on a calendar qu and our ability to utilize such availability to comply with certain covenants in	total approximately r the Multidraw Term arter basis based on ble borrowings is

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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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