

Stephen G. Barbour

Curriculum vitae

Education

Bachelor of Engineering (Mechanical), Memorial University of Newfoundland

September 2005 – April 2011

Professional / Industry Experience

President and CEO, Upstream Data Inc.

Calgary, Alberta • 2017 – Present

Majority owner and director, responsible for global operations

President and Owner, Activate Artificial Lift Inc.

Calgary, Alberta • 2016 – Present

Design, prototyping, testing and IP licensing for oilfield production technology

Production Engineer, Facilities Project Manager, Husky Energy LTD.:

Lloydminster, Saskatchewan • 2011 – 2016

Artificial lift systems analysis and repair, oil and gas production facility optimization and project management

Memorial University of Nfld., Faculty of Engineering & Applied Science: Project Manager (internship)

St. John's, Newfoundland • September 2010 – December 2010

Suncor Energy, Subsea Engineering Division: Asset Integrity Engineer (internship)

St. John's, Newfoundland • January 2010 – April 2010

Suncor Energy, Subsea Engineering Division: Asset Integrity Engineer (internship)

St. John's, Newfoundland • May 2009 – August 2009

Husky Energy, Facilities Engineering and Projects: Project Manager (internship)

Calgary, Alberta • September 2008 – December 2008

Husky Energy, Field Production: Field Operator (internship)

Red Deer, Alberta • January 2008 – April 2008

Memorial University of Nfld, Faculty of Engineering & Applied Science: Project Manager (internship)

St. John's, Newfoundland • May 2007 – September 2007

Patent Publications

Inventor, patents assigned to Cenovus Energy Inc. / Husky Oil:

[P.C.T. patent application publication no. WO2014186859](#) filed May 23, 2013 - Progressive cavity pump and method for operating same in boreholes
[Canadian patent no. CA2912803](#) filed May 23, 2013 - Progressive cavity pump and method for operating same in boreholes
[U.S. patent no. 9,856,872](#) filed May 23, 2013 - Progressive cavity pump and method for operating same in boreholes
[Australian patent no. 2013390586](#) filed May 23, 2013 - Progressive cavity pump and method for operating same in boreholes
[Chinese patent no. 105358832](#) filed May 23, 2013 - Progressive cavity pump and method for operating same in boreholes
[P.C.T. patent application publication no. WO2017020109](#) filed May 5, 2015 - Pump isolation apparatus and method for use in tubing string pressure testing
[U.S. patent no. 11,149,541](#) filed May 5, 2015 - Pump isolation apparatus and method for use in tubing string pressure testing
[Canadian patent no. 2994567](#) filed May 5, 2015 - Pump isolation apparatus and method for use in tubing string pressure testing

Inventor, patents assigned to Activate Artificial Lift Inc.:

[P.C.T. patent application publication no.: WO2017210779](#) filed June 6, 2017 - Progressing cavity pump and methods of operation
[Canadian patent no.: CA3,026,754](#) filed June 6, 2017 - Progressing cavity pump and methods of operation
[U.S. patent no.: 11,499,549](#) filed June 6, 2017 - Progressing cavity pump and methods of operation
[Australian patent no.: AU2017276369](#) filed June 6, 2017 - Progressing cavity pump and methods of operation

Inventor, patents assigned to Upstream Data Inc.:

[P.C.T. patent application publication no.: WO2018145201](#), filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[Canadian patent application no.: 3,090,944](#), filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[U.S. patent no.: 11,574,372](#) filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[U.S. patent application publication no.: 20230153928](#) filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[U.S. patent application publication no. 20230289902](#) filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[U.S. patent application publication no. 20230334600](#) filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[U.S. patent application publication no. 20240078616](#) filed February 6, 2018 - Blockchain Mine at Oil or Gas Facility
[P.C.T. patent application publication no. WO2020227811](#) filed March 31, 2020 - Portable blockchain mining system and methods of use
[Canadian patent application no.: 3,139,776](#) filed March 31, 2020 - Portable blockchain mining system and methods of use
[Canadian patent application no.: 3,183,109](#) filed March 31, 2020 - Portable blockchain mining system and methods of use
[U.S. patent no. 11,907,029](#) filed March 31, 2020 - Portable blockchain mining system and methods of use
[Australian patent application no.: 2020276342](#) filed March 31, 2020 - Portable blockchain mining system and methods of use
[Chinese patent application no.: 202080051303](#) filed March 31, 2020 - Portable blockchain mining system and methods of use

[P.C.T. patent application publication no. WO2021189131](#) filed March 21, 2020 - Portable blockchain mining systems and methods of use
[Canadian patent application no.: 3,076,653](#) filed March 21, 2020 - Portable blockchain mining systems and methods of use
[U.S. patent no. 11,659,682](#) filed March 21, 2020 - Portable blockchain mining systems and methods of use
[U.S. patent application publication no. 20210296963](#) filed March 21, 2020 - Portable blockchain mining systems and methods of use
[P.C.T. patent application publication no. WO2023130175](#)) filed January 6, 2022 - Portable blockchain mining systems and methods of use