David Dudics

Petroleum & Helium Exploration Geologist
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Summary

Experienced Petroleum & Helium Exploration Geologist with over a decade of demonstrated history of working in the oil & gas industry. Skilled in seismology, petroleum and helium exploration, sequence stratigraphy, well testing, land acquisition, EUR estimates, ROI analysis, surveying, and mineral acquisitions. Proficient in IHS - Petra, SMT Kingdom, OpenTect, Geographix, Enverus, Spotfire, Petrel, ArcGIS, TRD-PHDwin, Aries, AutoCAD, and iLandman. Bachelor of Science degree in Geology from Texas A&M University and Master of Science degree in Geology from The University of Texas.

Education

Texas A&M University

Bachelor of Science (BS), Geology 2012

The University of Texas
Master of Science (MS), Geology 2019

Experience

Paradox Resources, LLC
Petroleum & Helium Exploration Geologist
January 2020 - December 2024
Houston, Texas

- Developed a CCUS & EUR project aimed at reducing carbon emissions while enhancing oil recovery
- Drilled and completed a helium well in the Paradox Basin
- Generated 20 oil and gas prospects in the Paradox Basin utilizing SMT Kingdom software
- Recommended 105 workovers & recompletions
- Acquired $600,000 in drilling funds for prospects
- Maintained and updated pipeline, land, well shapefiles in Petra, ArcGIS, and Google Earth Pro
- Created a 150,000 well database in IHS Petra and created custom logs after digitizing

Maverics Energy Resources, LLC
Independent Petroleum Geologist
September 2015 - December 2019
Corpus Christi, Texas

- Created program to import large datasets from Tx RRC directly into Petra & Geographix mapping programs
- Mapped 8,000 acres of Eagle Ford, Austin Chalk, and Buda, formations in Texas and created a prospect Mapped
- 100,000 acres in the Permian Basin and created multiple prospects in the Barnett Shale Created a prospect in
- Orange Grove County and successfully sold it to investors for further development

San Antonio Geophysical Society – Petroleum Club
Vice President
May 2018 - December 2019
San Antonio, Texas

- Found, scheduled, and hosted geophysicists to give presentations on their research
- Recruited new members

Balcones Geological Library
Geological Assistant January
2018 - May 2018
San Antonio, Texas

- Well log scanning and filing
- Assisted members with maps, scout tickets, & well logs

The University of Texas at San Antonio
Teaching Assistant
January 2017 - May 2018
San Antonio, Texas

- TA for Structural Geology, Paleontology Lab, Field Methods
- Field trip mapping to various locations around Texas

Bainberg Group
Geological Advisory Consultant
March 2016 - March 2017
San Antonio, Texas

- Estimated EUR and ROI for 5 oil and gas prospects

Suemaur/Imagine Resources
Petroleum Geologist
July 2015 - August 2015
Corpus Christi, Texas

- Mapped 3D seismic horizons using SMT Kingdom
- Consolidated and uploaded 2D seismic lines into SMT Kingdom
- Reviewed and gave recommendations for oil and gas prospects before NAPE
- Utilized Global Mapper for Tobins to be uploaded into SMT Kingdom

McgovCO. LTD
Petroleum Geologist
March 2013 - April 2015
Corpus Christi, Texas

- Produced an oil & gas prospect in Refugio, surveyed and staked the well, assisted with drilling and mudlogging
- Generated 20 oil & gas prospects
- Procured deed/title information from Tobin lease maps and the courthouse
- Utilized the following software applications for prospects: Drilling Info, IHS, Railroad Commission
- Logged and evaluated 15 wells, assisted with the coring and testing processes
- Presented prospects at NAPE EXPO and PLS EXPO for a total of 4 events
- Acquired $1.5 million in drilling funds for prospects

Texas A&M University – Oceanography Department
Geologic Interpreter
July 2012 - March 2013
College Station, Texas

- Constructed a digitized map on the top of a salt layer in Gulf of Mexico using Kingdom software
- Researched & interpreted the structural accumulation of salt layers in the Gulf of Mexico
- Constructed a digitized map on the top of a salt layer in Gulf of Mexico using Kingdom software
- Coded a program to automatically synthesize horizon picks from two separate surveys

Royal Exploration Company, Inc.
Petroleum Geologist Intern
June 2011 - August 2011
Corpus Christi, Texas

- Mapped Corpus Christi Bay formations with 3D seismic utilizing SMT Kingdom software and identified all faults in the area - matched the interpretations of the geophysicist Matt Hammer
- Mapped faults and horizons on 3D seismic data utilizing SMT Kingdom software
- Put time-depth charts into digital format
- Determined the depth of certain formations utilizing the TWT to map a digitized horizon
- Day trip to review operations in the field. Assisted with the well spudding and completion operation

Bass and Welsh Engineering
GPS Surveyor
June 2010 - August 2010
Corpus Christi, Texas

- Surveyed points using a GPS for mapping city plots (33 plots)
- Plotted points in AutoCAD
- Interpreted data to verify plotted points were correct

Bass and Welsh Engineering
Civil Engineering Drafter
June 2005 - August 2005
Corpus Christi, Texas

- Drafted 46 city plots and construction plans in AutoCAD

Honors & Activities

Scholarships:
Texas A&M College Station – Distinct Advantage Scholarship
West Texas Geological Foundation – James Emery Adams Memorial Scholarship

Memberships:
Houston, South Texas, East Texas, Gulf Coast Geological Societies
AAPG, GSA, SEG, TAEP, TIPRO Societies
Texas A&M, UTSA G&G Societies
A&M, UTSA Alumni Association

Activities:
Tennis ranked top 30 in Texas
A&M & UTSA Tennis Club

Volunteer:
The Big Event – Texas A&M University
Sea City Work Camp
Food Pantry Distributor – All Saints Episcopal Church
Coalition Blowout Volunteer in conjunction with STGS, SAGS, SIPES, SPE, SAAP, CGAGS 2017

References

Bryan Devault
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John Hearn
Retired Paradox/XTO Geologist
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Frank Cornish
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Matthew Hammer
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