

Norman E. Wells, Jr.

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Senior Geologist

Versatile Geologic Consultant with 15+ years track record of success in exploration, development, and petroleum geology.

History of success in on-site support, drilling strategy optimization, and team mentorship. Expertise in wireline log interpretation, H2S risk management, and thorough well logging in diverse basins worldwide. Skilled in productivity assessments, geologic modeling, and data accuracy, driving impactful contributions to production and exploration projects. Adept at instructing, leading, and mentoring new team members, elevating their expertise and professional development. Leverage advanced expertise in petroleum production estimation software, enabling precise petrophysical analysis, reservoir characterization, and forward-thinking production forecasting.

Areas of Expertise

- Petroleum Geology/Geologic Consulting
- Geologic Modeling & Mapping
- Site History & Production Research
- Exploration, Production, & Development
- Wellsite Geology & Wellsite Support
- Log Interpretation (Petrophysics)
- Process Analysis & Improvement
- Carbonate & Siliciclastic Formations
- Reservoir Modeling & Technical Writing
- Team Building, Training & Leadership
- Field Operations Management
- Risk Analysis & Mitigation
- Cross-team Collaboration
- Quality Assurance & Control
- Health & Safety Compliance

Career Experience

Geopressure Geologist, Berger Geosciences, LLC; Houston, TX

Aug 2022 – Present

Supervise concurrent drilling operations at up to two wells. Ensure real-time pore pressure management in offshore exploration wells. Analyze drilling parameters and interpret LWD logs to identify potential wellbore and geopressure issues, promptly alerting client teams. Generate daily pore pressure reports for clients, summarizing drilling progress and challenges, and providing updated plots. Mentor new hires, guiding them through day-to-day tasks, procedures, and performance expectations.

- Oversaw and executed tasks across diverse regions, including Gulf of Mexico (GOM), United States, Mexico, and Columbia.
- Led CCUS research team, fostering teamwork for operational excellence, and provided comprehensive petrophysical and interpretation training to enhance coworker understanding of parameters, ensuring skill development and smooth job execution.
- Multitasked in managing and implementing multiple projects, consistently meeting daily time constraints.
- Earned client accolades for consistently delivering timely and pertinent updates.
- Initiated employee training programs, commencing after just six months on job.

Owner & Geologic Consultant, Knotten Oil Consultants, LLC; Colorado City, TX

Jan 2022 – Present

Delivered top-tier geological services, consistently meeting and exceeding client expectations. Provided on-site well-site consulting, conducted wire-line overviews, and delivered crucial mud logging support for seamless field operations. Showcased consistent track record of prompt and responsive client communication and support.

- Identified client-specific zones of interest through precise log interpretation and comprehensive sample analysis.
- Evaluated well histories and historical production data, resulting in strategic recommendations that effectively managed field risks and maximized development potential.
- Formulated and assessed prospects to ensure alignment with client objectives and goals.
- Streamlined collection of cutting, core, and oil samples on behalf of clients, facilitating thorough testing.
- Applied problem-solving expertise to mitigate client risks, ultimately optimizing profitability.

- Procured and delivered test samples to meet and exceed client requirements.
- Leveraged company's web presence, advertising strategies, and stellar reputation to expand and diversify clientele base.

Operations Geologist, McClure Oil Company, Inc.; Midland, TX

Mar 2013 – Sep 2021

Produced geologic prognoses, optimizing well planning for new and re-entry wells, resulting in cost savings and increased productivity. Spearheaded service provider selection, based on competitive bids and performance, ensuring efficient geologic analysis for new wells. Utilized advanced analysis of petrophysical, wireline, and historical data to determine Zones of Interest (ZOI). Conducted extensive research, prepared comprehensive reports, and delivered impactful presentations, driving informed decision-making. Stayed current with industry advancements through active participation in symposiums and local geologic organizations, enhancing expertise. Cultivated enduring relationships with service providers, fostering productive partnerships.

- Monitored and provided geologic support for over 40 wells within Texas and New Mexico, yielding technical successes.
- Generated three prospects and eight leads, evaluated over 10 outside prospects, leveraging proven track record to identify drilling and production opportunities.
- Collaborated within multidisciplinary teams, executing well projects and implementing effective strategies.
- Reduced drilling costs through risk management and data analysis.
- Calculated Oil in Place (OIP) for prospective ZOIs, contributing to well-informed decision-making.
- Recommended well perforation and completion techniques, consistently maximizing oil production and profitability.
- Played significant role in seismic projects, providing valuable support in interpretation efforts.
- Emerged as preferred contact for well site support, showcasing expertise and reliability.
- Implemented cost-saving measures for drilling fluids, based on insights gained from observing issues in offset wells.
- Contributed to development of figures and presentations, promoting prospects, and updating investors on company projects.

Marine Geologist, Berger Geosciences, LLC; Houston, TX

Apr 2012 – Mar 2013

Ensured real-time offshore hazard monitoring during riserless drilling, fostering safety and preventing issues. Produced comprehensive hazard reports, empowering informed decisions on drilling parameters. Delivered compelling client presentations via After-Action Reviews, driving transparency and client satisfaction. Catalyzed effective team communication in pre-well and daily meetings, igniting collaboration and mutual understanding. Prioritized safety with unwavering compliance with regulations and swift implementation of Stop Work Authority.

- Identified drilling hazards in seismic data, slashing risks, including gas chimneys and over-pressured zones.
- Maintained industry-standard HUET and BOSIET certifications for safety adherence.
- Earned exceptional client satisfaction, resulting in repeat requests for services.
- Pioneered groundbreaking gas flow model and innovative gas seep measurement technique.
- Exhibited adaptability and expertise in international riserless drilling projects.

Wellsite Geologist, Geosite, Inc.; San Angelo, TX

Mar 2010 – Apr 2012

Logged and consulted on a wide range of wells, both conventional and horizontal, spanning the Permian Basin, Hardeman Basin, and Anadarko Basin, contributing to the success of drilling ventures. Delivered on-site geologic support, documenting crucial data, including cuttings, gas readings, rig activities, mud conditions, and shows.

- Partnered with client personnel and contractors to offer expertise on current geologic zones and drilling conditions with focus on optimizing decision-making.
- Instructed and mentored new employees in essential geologic principles, mud logging concepts, and drilling activities, ensuring knowledgeable and capable team.
- Correlated and interpreted wireline logs in conjunction with current mud and well logs, enhancing data accuracy and insights.
- Maintained industry-standard hydrogen sulfide (H₂S) certification, used to evaluate risks and uphold site monitoring, prioritizing safety throughout operations.

Additional Experience

Staff Scientist, Antea Group.; Charlotte, NC

Geologic Technician, Bureau Veritas, N.A.; Akron, OH

Mud Logger, Geosite, Inc.; San Angelo, TX

Education & Credentials

Master of Science: Geology; Emphasis: Petroleum Geology | 4.0 GPA

University of Texas Permian Basin – Odessa, TX (2019)

Relevant Coursework: Carbonate Systems, Petrology and Petrography; Siliciclastic Systems, Petrology and Petrography; Exploration and Production (E&P) Logging, and; Subsurface Methods.

Student Chapter of AAPG and Geology Club Member

Thesis: Petrophysical Study of the lower San Andres Formation, western Yoakum County, Texas, Using Classical Exploration Techniques for Identifying Depressuring Targets in the Upper Residual Oil Zone (ROZ)

Bachelor of Arts: Geology | 2.73 overall GPA, and 3.3 GPA in the study area

Miami University – Oxford, OH (2003)

Research Project: 87 Sr/86 Sr testing of carbonates from Serpent Mount, Ohio. Project found that results were consistent with Ordovician seawater and may reflect relatively low continental weathering rates due to waning Pan-African orogenies.

Publication: Elisabeth Widom, Sarah J. Gaddis, Norman E. Wells, Jr. “Re-Os isotope systematics in carbonates from Serpent Mount, Ohio: Implications for Re-Os dating of crustal rocks and the osmium isotopic composition of Ordovician seawater.” *Geochemistry, Geophysics, Geosystems (G3)*. March 2004.

Miami University Geological Society (MUGS) Member

Certifications

Adult & Pediatric CPR, AED, and First Aid - Health and Safety Institute (HSI) | Expires July 25, 2024

Affiliations, Memberships & Activities

- Houston Geological Society (HGS), Since 2023
- Abilene Geological Society (AGS), Since 2022
- Society for Independent Professional Earth Scientists (SIPES), Since 2022
- Permian Basin Section-Society for Sedimentary Geologists (PBS-SEPM), Since 2015
- American Association of Petroleum Geologists (AAPG), Since 2014
- West Texas Geological Society (WTGS), Since 2013
- 1st Vice President (2020 – 2021)/2nd Vice President (2019 – 2020)/1st Vice President (2016 – 2017) Permian Basin Section of the Society for Sedimentary Geology (PBS-SEPM)
- Board Member (various roles) Miami University Geological Society (MUGS)
- Facilitated with multiple U.T. Permian Basin Thesis Projects (2016-2022)
- Assisted U.T. Permian Basin Geology Professor in Teaching Courses
- Umpire (TTAB Certified), Mitchell County Youth Baseball League (2022)
- Venture Scout Advisor, Boy Scouts of America (BSA), 2006 – 2007
- Assistant Scout Master, BSA
- Culinary Chairman, Order of the Arrow