**CATHERINE THOMAS**

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**PROFESSIONAL SUMMARY**

Geoscience professional with extensive prospect and well life cycle experience. Establishes best practices for process improvement, data management, and quality assurance. Progressive use of Geographic Information Systems (GIS) version 3.1 through 10.3 and associated data mining for import and mapping into GIS. Currently working with ESRI Arc-Pro. Have worked as both geoscience and drilling-engineering support: Petra, WellView, well log curve mnemonics, daily well operations, las files, scout ticket information and land process: (permits, as-builts, environmental regulations).

**APPLICATIONS AND SOFTWARE**

Geographic Information Systems (GIS) ESRI ArcGIS-ArcMap/Arc-Pro

WellView | Petra | MS Office Suite | EasyCopy |SDI Montage |Petrolink

IHS Markit-Enerdeq-EDIN | Enverus-Drilling Information | Baker-Hughes-WellLink

**Geoscience Technician –** Actively seeking during Covid 19 **May 2020- Present**

During global pandemic, actively worked on development and maintenance of skills.

* ArcGIS Pro courses
* ArcGIS Pro student copy

**PROFESSIONAL EXPERIENCE (RECENT)**

**Chevron Corporation, Houston, TX 2007 -2020**

(*Previously Noble Energy*)

Provided progressive support for team of Geoscientists and engineers in various business units to include International New Ventures, Eastern Mediterranean, International Operations, Deepwater Gulf of Mexico, and Texas Permian. Acted as liaison and data management to move projects forward.

**GIS Analyst – International New Ventures 2007-2009**

* Constructed and modified illustrations and maps for management, Investor Relations/Board of Directors using ESRI ArcGIS, MS PowerPoint, EasyCopy, Adobe, et al. Created montages for project team meetings, planning, exploration.
* Advocated embrace of ESRI-ArcGIS at Noble Energy.
* Maintained map of geopolitical risk for identification of exploration opportunities.
* Research/data mining for competitor activity, bathymetry, other sources of data pertinent to exploration.

**GIS Analyst - Eastern Mediterranean 2009-2011**

* Utilize ESRI-ArcGIS to support geoscientists; initiate best practices for GIS metadata storage.
* Routinely liaison with Israel Ministry of Energy to obtain latest lease block outlines for offshore exploration/development. Download and convert location data from local Israeli Coordinate Reference System (CRS) to correspond to Noble Energy’s CRS (datum, units, projection, and coordinate system).
* Post data to map, create export file for geophysicists, disseminate to team.
* Liaison with Seismic acquisition department to maintain current 2D and 3D polygon outlines of surveys.
* Assist in data mining/research to stay abreast of competitor wells in nearby countries, contact scout as necessary. Update GIS database/departmental maps with competitor well data location, TD, operator, and hydrocarbons discovered.
* Update play boundaries frequently during active seismic interpretation and as needed while awaiting seismic processing.

**Engineering Technician - International Operations 2011-2014**

* Managed drilling hazard data for completion handoff which mitigated risks, thereby assisting operations team to keep abreast of events in advance of and during well drilling process. WellView reporting, data entry, management and extraction.
* Track Deepwater shallow hazard studies and coordinate peer review with vendor.
* Schedule personnel field travel, Visa and vaccination process, in-country reception and lodging, ensuring schedules were kept and budgets were adhered to.
* Create network folder structure to increase efficiency by elimination of downtime caused by data mining.

**Geoscience Technician – Deepwater Gulf of Mexico 2014-2015**

* Collaborate with business units to create and maintain Geological Prognosis for Deepwater wells. Liaison between Drilling, business units, and IT during Deepwater drilling projects.
* Plot logs on iSys thermal plotter, physically deliver logs for morning rig call meeting and all significant deviation(s) from well plan (side tracks, BHA lost in hole, fish) – kept geoscience and drilling management abreast of downhole conditions for all contingencies.
* Maintain file room of all Deepwater well data. Inform operations geoscientist of digital studies received, inventory-store data to network, load las files, and file media and hard copy data in locked room.

**Geoscience Technician - Texas Permian 2015-2020**

* Maintained current ArcGIS map of event data pertinent to onshore operations, specifically earthquakes and their proximity to well operations in the Permian [Reeves County, Texas].
* Maintained list of non-operated wells to include on maps of working interest.
* Communication with partners on non-op wells to ensure in-house data received matched latest non-op well statistics.
* Assist engineers in population of IHS Fekete database for reservoir predictions.
* Prepared technical writing document for well creation in WellView, process from permit to completions for third party contractor.

**ACCOMPLISHMENTS**

Created common (shared) network folder for interdepartmental data sharing, which saved an average of $14k monthly on engineers-geoscientists data mining or waiting on data.

Streamlined WellView data entry through creation of written process workflow (technical writing) which resulted in reduction of more than 160 monthly manhours.

**PROFESSIONAL EXPERIENCE (PAST)**

**Occidental Petroleum – Houston, TX 1997-2007**

(*Previously Anadarko Petroleum*)

**Geoscience Technician**

* Initiated storage process for digital mud logs, increased efficiency for Geoscientists’ utilization
* Generated $25 million in revenue by clearing old AFEs from accounting records. Project identified inactive wells/leases by mapping locations in ArcGIS
* Data manipulation UNIX - Openworks, Zmap+, Seisworks, Baker-Atlas Recall
* Project management PC - ArcGIS, GES, Petra, Microsoft Office, NueraMap, IHS Energy, A2D
* Creation of presentations in PowerPoint and SDI montage using various file types

**ACCOMPLISHMENTS**

Generated $25 million in revenue by clearing old Acquisition for Expenditures (AFE’s) from books, created ArcGIS maps to efficiently identify well locations.

Initiated storage of digital mud logs, saving geoscientist’s time in project planning, analysis, and exploration.

**EDUCATION**

Sam Houston State University

**[Master of Arts Psychology](https://www.shsu.edu/programs/master-of-arts-in-psychology/)**

University of Houston

[**Bachelor of Science, Major Interdisciplinary Studies**](https://www.uhd.edu/academics/university-college/degrees/interdisciplinary-studies/Pages/bsis-index.aspx)

Lone Star North Harris College

[**Associate of Applied Science Geological Technology**](http://catalog.lonestar.edu/preview_program.php?catoid=18&poid=3799) **|**[**Certificate – GIS**](https://www.lonestar.edu/programs-of-study/GIS-Analyst-Certificate.htm)