

**Get Ready for WellSTAR!**  
STAR = **Statewide Tracking and Reporting**

*By Ken Harris, State Oil and Gas Supervisor, Division of Oil, Gas & Geothermal Resources (DOGGR)*

Greetings from WellSTAR!

Welcome to the first Spring WellSTAR newsletter! I would like to share with all of you the results of the Proof of Concept (PoC), next steps, and what to expect in the coming month.

During the PoC, nine criteria areas and 25 elements were evaluated. Our PoC evaluation resulted in 24/25 or 96% criteria met and/or exceeded the 'pass' measurement. Because one element was not ready for assessment, we extended the PoC evaluation period through April 8, 2016. We anticipated we would need to do some post-PoC work, so this extended assessment period was built into our PoC schedule and did not negatively impact our overall WellSTAR Project.

The outstanding item that did not meet our evaluation criteria was the 'Fit/Gap' analysis and associated business functional requirements.

For those of you unfamiliar with a Fit/Gap analysis, it determined where gaps in functionality exist when we compare business / operating requirements for DOGGR to the capabilities offered by the existing RBDMS functionality. The Fit/Gap required further involvement from many of you as we solicited your expertise to help the WellSTAR Team document and further elaborate the functional / business requirements for the overall WellSTAR system we want to implement. This effort is near completion and will conclude with a baseline of functional / business requirements.

Please note, these requirements will be re-validated, further decomposed, and reviewed in greater detail during project implementation, so if you forgot a requirement or if a requirement changes, that is ok! We will be rolling out a Change Control Process to manage any changes to our baseline once we have the Fit/Gap finalized. Stay tuned for that!

Because of the additional time spent on the Fit/Gap, the Division postponed the Go/No Go meeting until the end of the month of April 2016. I will communicate via email the result of this meeting. In addition, the WellSTAR Team will make the results of the PoC available in the WellSTAR SharePoint once the Go/No Go meeting is held.

I want to extend my gratitude to all of you who participated in the PoC and the requirements effort!



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## In the Field: April in Orcutt and Ventura—Two beautiful places!

By Kelly Elo

OCM Team members Brenda and Kelly traveled the week of April 4<sup>th</sup> to visit the Coastal District offices in search of as is business processes. After a tour of the Orcutt Office and introduction to the staff, Orcutt's Tyson McKinney took us to visit the Orcutt Hill Oil Field. Pacific Coast Energy Company's Public and Governmental Affairs Manager provided a guided tour of this field, which has been in production since 1901. One of the wells in this field has been in continuous production since March 1903. The tour provided us with an excellent representation of field work in Santa Barbara County. Thank you Tyson! *(Pictures from the tour can be viewed below, as well as on page 5.)*

On to Ventura! Circumstances dictated we change up our schedule in Ventura. Big thanks to Mary Shannon, who, with very little advance notice, provided a tour of the office and walked us through the process of receiving the Notices of Intent. We were very impressed with Ventura's organization and manual workflow processes.

Thank you to everyone in Orcutt and Ventura! We appreciate the time spent by all the staff in both offices for introductions and thoughtful answers to all our questions. We look forward to returning in April and May to continue the 'As Is' business process discussions.



# Organizational Change Management (OCM) Strategy

Recently, a key WellSTAR project deliverable called the OCM Strategy was submitted to project and executive sponsors. Along with that submission of the plan, a presentation was delivered by the OCM Team, generating a very positive discussion about OCM work for the WellSTAR Project.

The OCM Strategy is a document reflecting many different activities. It is organized into an **OCM Framework** (see below). The OCM Framework is a set of four categories and 18 activities identifying what will be done for DOGGR’s WellSTAR implementation. The OCM Strategy document describes who is responsible for which activity and its related artifacts. Although there are multiple people and organizations who are contributing to this work, the OCM Team is the point of contact and coordination.

Overview of the DOGGR Organizational Change Management (OCM) Framework  
 Conceptual Diagram of all categories and activities for Proof of Concept (PoC) and Phase 2 of the WellSTAR Project



## SPOC/Super User Network April 26 – 27 Face-to-Face Planning Meeting in Sacramento

As part of the OCM Strategy, there is a dedicated group of change agents, called the SPOC/SU Network. SPOC = Single Point of Contact (one per district and HQ) and SU = Super User (one or more per district and HQ), as well as three Super User Leads. Additionally, there are two representatives from ETSD (Enterprise Technology Services Division), for a total of 19 participants. This critical team partners closely with the OCM Team for a variety of implementation needs.

As we move from the Proof of Concept (PoC) to Phase Two of the WellSTAR Project, we are presented with a window of time for learning and planning. The SPOC/SU Network will be meeting soon to optimize this window of time by gathering in Sacramento for a two-day face-to-face meeting on April 26<sup>th</sup> & 27<sup>th</sup>. On April 26<sup>th</sup>, we will spend the day receiving the latest information on project activities, such as Program Integration / Data Management; Training, OCM Strategy and “Lessons Learned” from the Colorado RBDMS implementation. On April 27<sup>th</sup>, we will spend the day in a working session, developing plans and sub-teams for specific implementation needs. Along with learning and planning, we will have some time for enhanced collaboration through activities promoting cohesive teamwork.

# Data Management

## **PbP/EPA Data Requirements**

*By Rob Habel and Tim Cleary*

The Class II Underground Injection Control (UIC) Program/EPA Compliance Team continues to work with operators to gather data and translate Department of Conservation Division of Oil, Gas & Geothermal Resources (DOGGR) program requirements. The data gathered will be collected in a staging database to be used for Project-by-Project Reviews and to meet Environmental Protection Agency (EPA) requirements.

We are currently working with the largest operators, including Chevron, California Resources Corporation (CRC), AERA Energy, Freeport-McMoRan, and Linn Energy, as well as McPherson Oil, Vaquero Energy, and E&B Natural Resources.

On March 24<sup>th</sup>, the Program Integration / Data Management Team participated in a meeting with Independent Oil Producers Agency (IOPA) and many of the small and medium operators within the State of California. An update was delivered on our data-gathering efforts to meet Class II Underground Injection Control (UIC) Program / EPA Compliance requirements. We are now working on a plan to engage the small and medium operators to collect the required data. This data collection activity will act as a bridge between current compliance requirements and the new WellSTAR system.

## **UIC Project by Project Review**

*By Jerry Salera*

In addition to the PbP/EPA Data Gathering Requirements, the Division has embarked on the Project-by-Project (PbP) Review process to look closely into existing UIC projects and ensure compliance with Division and EPA regulations. The staging database will hopefully provide a significant portion of the well data that

will be used in this PbP review process after data transfer cooperation from industry. In addition, the staging database will provide the basic warehousing infrastructure of other project data that will be evaluated.

The PbP Review process has been divided into two phases. Phase 1 is a review of the current data completeness of UIC project documentation, and corresponding requests of missing data from the operators. The current activity of pursuing data transfers from operators is in line with Phase 1. Phase 2 will be the in-depth evaluation of each project.

There are roughly 900 active UIC projects to review. Review priorities have been identified as follows:

1. Gas Storage injection projects
2. Water and Gas Disposal injection projects

Enhanced Oil Recovery injection projects (prioritized in order) include: Water flood, Pressure-maintenance, Steam flood, and Cyclic Steam.

Sub-priorities have been made in both disposal and EOR projects. Those that are injecting into sub-3,000 mg/L zones will be tackled first. The 3,000-10,000 mg/L injection zones will come next, and those greater than 10,000 mg/L will be last. A SharePoint page has been established for the PbP Review Process; it can be accessed through the following link by clicking [here](#).

# Data Management

## **SB-1281 Data Requirements**

*By Jeff Newton and Tim Cleary*

The SB-1281 Data Management and Reporting concerns quarterly Water Use Reporting for Oil and Gas Production. The Division has been working closely with operators to provide data on all water produced, injected, and used within oil fields.

We continue to collect data from the operators and produce the quarterly summary reports and data tables.

The fourth quarter of 2015 water summary reports and data tables are now available. Other related resources are available online. Please use the link below to access the reports and data tables. This data collection and reporting activity will act as a bridge between current compliance requirements and the new WellSTAR system.

## **[SB-1281 Quarterly Water Use Reports](#)**

## **SB-4 Annual Report**

*By Emily Reader and Tim Cleary*

The SB-4 work stream provides an interim

technical solution to meet SB-4 annual reporting compliance requirements by DOGGR. The Division continues to work closely with specific operators to provide data on all well stimulation by the operators.

The SB-4 team created a staging database to be used to process operator data and produce annual reports. Although the first annual report for 2015 was created manually, the DOGGR Data Management Team expects to create a data dictionary for SB4 and produce the 2016 report electronically.

Data mapping between WellSTAR and the SB-4 staging database repository will be completed prior to the deployment of SB-4 functionality in WellSTAR. The data contained in the SB-4 staging database repository will be migrated and converted to WellSTAR at the appropriate time. The 'appropriate time' will be determined by the WellSTAR release plan, which is not yet finalized.

The first annual report for 2015 is now available. Other related resources are also available online. Please [click here](#) to access the 2015 report.

*A few more pictures from the Orcutt "In the Field" visit...*

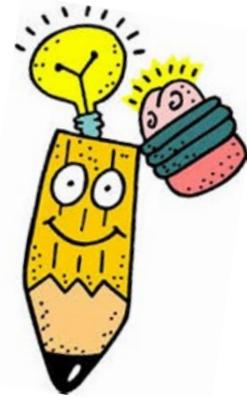


## Brain Teaser – A fun quiz!

Be the first DOGGR staff member to answer this question correctly and win a \$5 Starbucks gift card (and be recognized in the next newsletter).

**Which California oil field has a federally-listed endangered species growing on it? What is the endangered species?**

Send your answer to [WellSTAR@conservation.ca.gov](mailto:WellSTAR@conservation.ca.gov).



Congratulate March's Brain Teaser Winner: Suman Ghosh! Suman sent the first correct answer, winning for the second month!

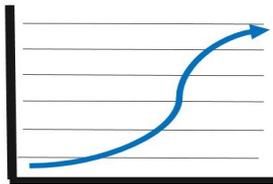
March's question: Can you name the Minerals in Bowen's Reaction Series (Geology Rocks)?

Answer: The minerals—listed in the order of high temperature to low temperature formations—are the following:

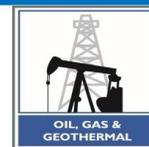
Continuous series (Plagioclase Feldspar (Na/Ca rich), Orthoclase Feldspar (K rich), Muscovite, and Quartz) and Discontinuous series (Olivine, Pyroxene, Amphibole, Biotite, Orthoclase Feldspar (K rich), Muscovite, and Quartz.)

### WellSTAR's Solution Success Equation

$$Q \times A = E$$



The **QUALITY** of the solution is dependent upon the **ACCEPTANCE** of the solution. Combined, they equal the **EFFECTIVENESS** of the solution.



## Contact Us (WellSTAR OCM Team)

Visit us on the web (DOGGR/WellSTAR Intranet Page) at [http://docinsider/DOGGR/Pages/WellSTAR\\_Project.aspx](http://docinsider/DOGGR/Pages/WellSTAR_Project.aspx)

or (DOGGR/Operator Internet Page) at [http://www.conservation.ca.gov/dog/for\\_operators](http://www.conservation.ca.gov/dog/for_operators)

Please send your comments and questions to [WellSTAR@conservation.ca.gov](mailto:WellSTAR@conservation.ca.gov).