



COLORADO

**Oil & Gas Conservation
Commission**

Department of Natural Resources

Staff Report

for July 24, 2017

Top Stories

◆ Flowline and Pipeline Notice to Operators (NTO) Update

On May 2, the COGCC issued a Notice to Operators (NTO) that requires all operators to systematically inspect their existing Flowlines to:

- (1) Document the location of all existing Flowlines located within 1,000 feet of a Building Unit;
- (2) Clearly mark unused risers using fluorescent paint and remove all operating valves until the riser can be cut off below grade and sealed;
- (3) Ensure and document that all Flowlines within 1,000 feet of a Building Unit have integrity; and
- (4) Abandon any unused Flowline or pipeline pursuant to Rule 1103.

These actions are to be completed in two phases. Phase I, to be completed by May 30, 2017, requires operators to submit an inventory of their existing Flowlines within 1,000 feet of a Building Unit, reporting the associated well and the GPS locations of the Flowline risers. Phase II, to be completed by June 30, 2017, requires operators to submit an inventory of their Flowline integrity testing.

COGCC teams are importing the data from the inventories into a database. The imported inventory data, as of July 18, is summarized below:

<u>Element</u>	<u>Count of Database Records</u>
Imported Inventories	177
Associated Wells	23,174
Flowline Risers	130,357
Flowlines Abandoned	7,637
Flowlines Tested	30,845

Once imported, Staff reviews the data for accuracy and completeness, engaging operators for corrections and missing information.

Documents related to the NTO and a download of the imported inventory data are available here:

http://cogcc.state.co.us/library.html#/special_projects

◆ Behind the Scenes: How the COGCC Staffed the Flowline and Pipeline NTO

As part of the May 2 Flowline and Pipeline NTO, the COGCC developed an inspection and oversight process to ensure data integrity and provide real time assistance to oil and gas operators working on the NTO required actions. The Flowline team was composed of Field Operations Staff, including environmental specialists, engineers, field inspectors, and reclamation specialists.

Each team member was assigned to one or more operators for whom the COGCC had identified a Flowline riser within 1,000 feet of a Building Unit. Assigned Staff worked closely with the operators to provide oversight of field testing and facility identification. The COGCC also provided a full time resource to answer questions and develop NTO procedures.

Internal COGCC specialty teams were also developed to support the Field Operations Staff and operators. These teams included Staff from the Oil and Gas Location Assessment unit who researched locations, reviewed aerial photographs, and assigned facility identification numbers to allow for improved data submittals. Specialty teams were also set up to address environmental remediation, pressure testing, and production facility questions.



◆ Firestone Environmental Investigation Briefing

Beginning on April 18, the COGCC participated in the investigation of the home explosion in Firestone, Colorado, which occurred on April 17. Initially, the COGCC field inspection unit and pipeline integrity inspectors were onsite and helped the Frederick - Firestone Fire Protection District (FFFPD) identify the “cut, abandoned gas flow line attached to an oil and gas well in the vicinity that, while abandoned, had not been disconnected from the wellhead and capped;” this Flowline was identified by the FFFPD as the “origin and cause of the explosion and subsequent fire.” Immediately after the home explosion, this line was isolated and the well was shut in, preventing an ongoing source of natural gas from flowing through the line.

The COGCC witnessed the excavation and testing of the cut flow line and other oil and gas facilities in the days following the incident. The COGCC further supported initial phases of the FFFPD investigation by screening and sampling vapors at the Martinez and neighboring residences.

On April 26, the COGCC’s contractor conducted a ground methane driving survey of the Oak Meadows neighborhood to determine if there were any other sources of natural gas that could potentially pose a threat to public safety in the neighborhood. The survey identified two anomalies that detected low levels of methane and other hydrocarbon gases. The first anomaly, in the vicinity of the active production facilities in the southwest portion of the neighborhood, was consistent with the contractor’s expectations for readings collected near production facilities. The second anomaly, east of the production facilities along Oak Meadows Boulevard, required follow up investigation and is described below.

On April 27, the COGCC and its consultant began a soil gas survey in the vicinity of the Martinez residence to determine if residual natural gas remained in the subsurface. The initial phase of the survey included approximately 30 samples collected from a modified 75 foot grid established based on residential lot size. Following utility locates, slide hammer holes were advanced to depths of 30 inches below ground surface. Soil gas samples were screened using hand held monitoring equipment at each

sample location. The soil gas survey data demonstrated that methane was present in soil at and adjacent to 6312 and 6310 Twilight Avenue.

On May 5, the COGCC commenced a second soil gas survey in the vicinity of the methane anomaly near Oak Meadows Boulevard. The COGCC had determined that the same one inch Flowline that led to the Martinez residence also had a branch that led to the west where it terminated under Oak Meadows Boulevard.

Initial testing conducted on May 5 indicated high concentrations of methane in the soil above the apparent Flowline terminus at Oak Meadows Boulevard. Additional delineation was performed on the same day to determine whether residual natural gas in soil extended north toward the residences along the south side of Twilight Avenue. The additional testing demonstrated that soil gas concentrations were at or near background levels in close proximity to the homes on the south side of Twilight Avenue.

The COGCC’s preliminary investigation indicated that there was not a general or ongoing threat to public safety in the Oak Meadows neighborhood. The COGCC continued its soil gas survey, laying out a grid of monitoring points to delineate the lateral extent of subsurface natural gas impacts. The COGCC also mobilized a GeoProbe™ rig to advance deeper soil borings and install PVC (poly vinyl chloride) monitoring points to facilitate routine and repeated monitoring of the natural gas in the subsurface. These points were established as “sentry points” between the two source areas and the nearest residences. Daily monitoring of these points further verified that subsurface natural gas was not migrating toward occupied homes.

Once the results of the FFFPD investigation were made public on May 2, the COGCC directed Anadarko to fully investigate the extent of impacts associated with the release of natural gas from their well. Anadarko mobilized crews on May 5, using several contractors and methods of investigation throughout the project area. Anadarko began with a walking survey using hand held equipment to monitor the soil-air interface for the presence of methane and other hydrocarbon gases. Anadarko also utilized a Membrane Interface Probe (MIP) to advance soil borings to evaluate the vertical and lateral

extent of natural gas in the subsurface. Anadarko ultimately installed a total of 54 additional PVC monitoring points at depths of up to 30 feet, many of which would later be utilized in one of two Soil Vapor Extraction (SVE) systems which successfully removed the natural gas from the subsurface. Anadarko worked under the COGCC's oversight and in close cooperation with the agency. Details of the investigation and remediation efforts are documented in COGCC Remediation Project #10182, which can be accessed at this location:

http://cogcc.state.co.us/cogis/RemediationReport.asp?doc_num=401280844

The SVE systems removed a total mass of more than 2,000 pounds of methane and other hydrocarbons from the two affected areas between May 17 and June 7; the systems were shut down on June 7 due to removal rates dropping to asymptotically low levels. Subsequent monitoring of established monitoring points indicated no rebound in methane concentrations following system shut down. Anadarko also collected gas samples from the 63 PVC monitoring points and vent wells for laboratory analysis, and the analytical results were non-detect for hydrocarbons, indicating successful removal of natural gas from the affected subsurface areas.

Anadarko will continue to monitor a limited subset of monitoring points periodically for three months, after which the COGCC will evaluate whether any further action is necessary.

◆ Naturally Occurring Radioactive Materials (NORM) Produced Water Project Update

The COGCC Environmental Staff completed sampling of a total of 42 produced water samples and five production gas samples from 37 separate well sites statewide for Naturally Occurring Radioactive Materials (NORM) as part of this Special Project. The sampling targeted water production from geologic formations producing oil and gas throughout Colorado, including the Sussex, Codell, Niobrara, Muddy J, Dakota, Mesa Verde (Williams Fork), Mancos, Leadville, J and D Sand, Vermejo/Raton, Fruitland, Osage, Topeka, and Cherokee Formations. Source water for hydraulic fracturing (frac) fluids along with frac "flowback" were also sampled. All sampling was

completed prior to June 30, the end of Fiscal Year 2016-17.

NORM constituents analyzed include activities of radium isotopes and concentrations of uranium and thorium in addition to general water quality parameters. All water samples were analyzed for the stable isotopes of oxygen and hydrogen (diagnostic of water sources) and a subset of water samples were analyzed for carbon-14 and tritium (H₃) as indicators of age of waters sampled.

This study is a follow up to "Analysis of Naturally Occurring Radioactive Materials in Drill Cuttings, Greater Wattenberg Field, Weld County" completed in November 2014. It is also responsive to the October 2011 State Review of Oil and Natural Gas Environmental Regulations (STRONGER) review of COGCC regulations. The results of this study will help determine if NORM levels in produced fluids are acceptable in terms of applicable regulatory levels.

Analytical laboratory results are currently being received and Staff expects all sample results to be completed and sent to the COGCC by the end of August. A final report will be completed in the first quarter of 2018.

The COGCC would like to recognize the cooperation of the following operators in supporting this project:

- Augustus Energy Resources
- BP America Production Company
- Brown Oil & Gas, Grayhorse Operating
- HRM Resources, Kerr McGee Oil & Gas Onshore
- Kinder Morgan CO2
- K.P. Kauffman Company
- Laramie Energy
- Murfin Drilling Company
- Noble Energy
- PDC Energy
- Pioneer Natural Resources
- Sandridge Exploration & Production
- Stelbar Oil Corporation
- Unit Petroleum Company
- WPX Energy Production



- Ward and Son
- Wellington Operating
- Wiepking-Fullerton Energy.

◆ Employee Recognition July 6

Congratulations to the following COGCC Staff members who received an award at our recent annual Employee Recognition event. All have made significant contributions to the division by demonstrating outstanding performance on a project, developing new and improved processes, providing ongoing exemplary job performance, or going “way, way beyond” the call of duty:

- Steven Arauza
- Chris Binschus
- Lou Colby
- Jill Dorancy
- Darla Geimausaddle
- Jason Gomez
- Joe MacLaren
- Steven Mah
- Marc Morton
- Richard Murray
- Eric Nickell
- Andrew Stone.

◆ Local Government Liaison (LGL) Program Update

Local Government Liaison (LGL) Marc Morton provides outreach, training, information, and

consultation to local governmental designees (LGDs) and local government staffers, the public, and others regarding oil and gas operations in Colorado. LGL Marc Morton and the COGCC continue to stress to operators and local governments the importance of early and ongoing engagement and consultation regarding proposed oil and gas operations.

Marc manages the LGD training program and is available upon request to provide customized training to local governments. Local governments that participate in the LGD program are encouraged to contact Marc to schedule an LGD training or an LGD orientation meeting. Local governments considering participation in the unique and valuable LGD program are also welcomed to schedule a training or orientation session.

LGD trainings and orientations offer information on the use of various “tools” available to the LGD to enhance their ability to effectively collaborate with the COGCC. Trainings are customized but typically provide an overview of oil and gas exploration and production, an overview of the COGCC’s regulatory structure, an overview of the COGCC’s well and location permitting processes, effective LGD and public comment submittal on pending location and drilling permits, an overview of public participation opportunities, and hand’s on use of the COGCC website.

A list of the LGL outreach and public involvement activities conducted since the previous staff report is included in the Public Outreach section below.

Public Outreach

➤ *Outreach by the Director and Other Staff*

- On June 1, Engineering Integrity Supervisor Mark Schlagenhauf, PE presented “Flowline Laws and Regulations” to the City and County of Broomfield’s Oil and Gas Comprehensive Plan Committee. Other presenters on the agenda included Extraction Oil and Gas, the operator seeking to develop oil and gas facilities in the city, Federal government pipeline regulator PHMSA (Pipeline and Hazardous Safety Administration), and the Gas Pipeline Safety section from the Public Utilities Commission.

Among the questions raised was how pipeline regulation would be handled by the different agencies. Extraction stated that it would submit a pipeline map which would also illustrate the various regulatory jurisdictions. Produced water lines and Flowlines will be regulated by the COGCC.

- On June 14, DNR Executive Director Bob Randall and COGCC Director Matt Lepore spoke with the Colorado Oil and Gas Association Advisory Board regarding Firestone and the COGCC Notice to Operators (NTO).



- On June 14, DNR Executive Director Randall and COGCC Director Lepore spoke with the Colorado Petroleum Council regarding Firestone and the NTO.
- On June 24, DNR Assistant Director Julie Murphy spoke at the Colorado Association of Mineral Rights Owners Annual Conference regarding COGCC and DNR regulatory priorities, including the Department's response to Firestone and the NTO.
- On June 28, at the invitation of La Plata County Board of County Commissioners, Director Lepore and COGCC Staff including Engineering Manager Stuart Ellsworth, Environmental Protection Specialist Bob Chesson, and LGL Marc Morton attended a public work session at the La Plata County Administration Building in Durango. Topics covered by Matt, Stuart and Bob included an overview and environmental update of the recent incident in Firestone, and an overview of the pipeline regulatory regime in Colorado.
- On June 28, Director Lepore, Environmental Manager Greg Deranleau, and DNR Assistant Director Julie Murphy participated in the U.S. EPA Region 8 state Environmental and Oil and Gas Directors' meeting. Julie attended the second day of the meeting on June 29 as well.
- On June 29, Director Lepore, LGL Marc Morton, Environmental Protection Specialist Chesson, Engineering Manager Ellsworth, and Southwest Field Inspection Supervisor Steve Labowskie presented information at the Southwest Colorado Gas and Oil Regulatory Team (GORT) meeting. Marc coordinated the meeting.
- On July 7, Engineering Integrity Supervisor Schlagenhauf met with the Gas Pipeline Safety

section from the Public Utilities Commission to discuss interagency coordination on gathering lines regulated by PUC. The conversation covered COGCC's Rule 1004, which addresses how debris, gathering line and Flowline risers, and surface equipment must be removed within three months of the completion of plugging.

- On July 12, Director Lepore and Commissioner Larry Wolk spoke to the Colorado Forum regarding regulation of oil and gas development in Colorado.
- On July 13, Director Lepore spoke to the Colorado Oil and Gas Association Energy Generation Leadership Program seminar regarding the COGCC's mission and vision.

➤ **Outreach by the LGL**

- On June 1, Marc Morton travelled to Rifle and attended the monthly Garfield County Energy Advisory Board (EAB) meeting.
- On June 7, Marc Morton travelled to Cheyenne Wells and provided an LGD orientation training to the recently installed Cheyenne County LGD.
- On June 12 and as part of the Commission hearing in Meeker, Marc Morton coordinated a working lunch meeting for area LGDs, area County Commissioners, and local and federal government staff, Commissioners, and COGCC Staff.
- On June 13, Marc Morton met in Steamboat Springs with the Routt County LGD and Planning and Environmental staff.
- On June 28, Marc Morton travelled to Ignacio and provided an LGD orientation training to the recently installed Town of Ignacio LGD.

Regional Activities

➤ **Northwest Colorado**

◆ **Northwest Colorado Oil and Gas Forum**

Remaining Northwest Colorado Oil and Gas Forum (NWF) meetings in 2017 are scheduled for August 3 and December 7. Meetings will be held in Rifle at the Colorado Mountain College - Rifle Campus / Clough Auditorium (3695 Airport Road, Rifle) between 9:00 a.m. and 12:00 p.m. Meeting agendas are posted to the COGCC website approximately two weeks prior to each meeting.

The COGCC welcomes suggestions and input for speakers, topics, and meeting format and venue. Meeting information is emailed to those on the email distribution list. NWF meetings are open to the public, and public comment is welcomed as part of each meeting. Past presentations (dating back to 2006) are available from

<http://cogcc.state.co.us/library.html#/forums>

All parties wishing to be placed on the next meeting agenda or added to the email



distribution list for announcements should contact Marc Morton at (303) 894-2100, ext. 5132 (direct), (720) 415-4959 (mobile), or by email:

marc.morton@state.co.us

◆ **Project Rulison**

The email for Project Rulison submittals is

DNR_rulison.submittal@state.co.us

◆ **Project Rio Blanco**

The email for Project Rio Blanco submittals is

DNR_rioblanco.submittal@state.co.us

➤ ***Southwest Colorado***

◆ **Fruitland Formation Outcrop Mitigation and Monitoring Projects**

South Fork Texas Creek Mitigation Site - La Plata County. Regularly scheduled operations and maintenance are being performed at the South Fork Texas Creek (SFTC) site by LTE, the COGCC's contractor. Since May 2009, the system has collected 20,674 Mcf of methane and generated 242,626 kWh of surplus electricity.

At all eleven 3M/4M monitoring well locations, annual site inspection and routine maintenance

visits are currently being performed by COGCC Staff. In March, a new transducer and cable was installed in the Wagon Gulch #1 monitoring well. The lower transducer had become unresponsive, and upon further inspection, it was discovered that the rugged cable had also been compromised. As the monitoring well network ages, more system maintenance and repairs are anticipated.

◆ **Gas and Oil Regulatory Team (GORT) Meetings**

The remaining GORT meeting in 2017 is scheduled for October 12. The meeting will be held in Durango at the Durango Public Library (1900 E. 3rd Avenue) from 9:00 a.m. to 12:00 p.m.

GORT meeting agendas will be posted to the COGCC website approximately one to two weeks prior to each meeting, and emailed to those on the email distribution list. GORT meetings are open to the public, and public comment is held as part of each meeting. The COGCC welcomes suggestions and input for speakers, topics, and meeting format and venue.

All parties wishing to be placed on the next meeting agenda or added to the distribution list for announcements should contact Marc Morton at (303) 894-2100, ext. 5132 (direct), (720) 415-4959 (mobile), or by email:

marc.morton@state.co.us

Admin / Organization / Other

◆ **New Permit/Completion Tech**

Missti Mason joined the COGCC Permitting team in mid June. She filled a vacant Permit/Completion Tech position. Missti has been with the COGCC since November as a temporary employee reviewing completion reports and conducting completeness reviews. She has five years of experience in the oil and gas industry as a well planner, directional driller, and mudlogger.

Missti holds a B.S. in Geology from Central Washington University and a M.S. in Geological Sciences from the State University of New York at

Buffalo. Missti will be the lead permitter for the Bonanza Creek global settlement.

COGCC organizational charts can be found on pages 11-14. For contact information, please go to the COGCC homepage, find the "About Us" menu, and select "Contact Us."

◆ **Plugging and Reclaiming Orphaned Wells (PROW) - Project Updates**

The COGCC managed the following projects in its Orphan and Distressed Operator (ODO) Program during the Fiscal Year ending June 30. These



projects were either related to “Orphan” locations or wells for which there is no known responsible party, or they were related to “Distressed Operator” projects in which surety claim funds are available.

Many projects are ongoing, and ODO teams are scheduling additional project work for the current fiscal year, which began July 1. Projects are sorted first by county and second by the project and task name. The ODO Program has prioritized the work planned for the current fiscal year, although each project is subject to change as new conditions arise during the year.

The **Texas Tea Project** originated through Commission Order 1V-573. The project involves eight single well locations in Adams and Weld Counties. FY17 work included sampling and analysis, groundwater monitoring well installation and abandonment, environmental remediation, and weed control. Planned work for FY18 includes plugging and abandonment of four wells, Flowline abandonment at four locations, and weed control.

The **Juhl #1 Project** is located in Boulder County. FY17 work included plugging and abandonment of one well on residential property in a subdivision. The well was drilled in 1953, and it reportedly served as a source of domestic gas in the 1950s and 1960s.

The **Dolphin Project** originated through Commission Order 1V-382. The project involves five locations in Garfield County. Dolphin Energy Corporation drilled a total of seven wells, and the project involves single well and multi well pads. Most project work was completed in prior fiscal years. FY17 work included reclamation monitoring and maintenance activities at one location.

The **Mackley Project** originated through Commission Order 1V-587. FY17 work included plugging and abandonment of one well in Garfield County. The well was drilled in 1961, and it served as a source of domestic gas prior to the claiming of the operator’s bond.

The **CM Production Project** originated through Commission Order 1V-581. The project involves 28 locations in Jackson, Logan, and Washington Counties. The original operators drilled a total of 31 wells, and the project involves single well and

multi well pads. FY17 work included site security (locks and equipment labels), fluid removal from separation equipment and tanks, equipment leak repair, mechanical integrity testing, sampling and analysis, and spill response at various locations in Jackson and Washington counties. Planned work for FY18 includes well work (mechanical integrity testing or plugging and abandonment) and sampling and analysis.

The **Premier Project** originated through Commission Orders 1V-362 and 1V-592. The project involves one well drilled on one of three locations in Jefferson County. Most project work was completed in prior fiscal years. FY17 work included plugging and abandonment, equipment removal, sampling and analysis, and environmental remediation.

The **Provide Energy and Red Mountain Project** originated through Commission Orders 1V-364 and 1V-508. The project involves six single well locations in Jefferson and Logan Counties. Both operators were responsible for the same well and location in Jefferson County, and Red Mountain was responsible for the other five wells in Logan County. FY17 work included reclamation and site security (a fence around the reclaimed area to exclude cattle). Planned work for FY18 includes plugging and abandonment of one well in Logan County.

The **Atom Petroleum Project** originated through Commission Order 1V-586. The project involves three single well locations in La Plata and Montezuma counties. FY17 work included tank gauging, sampling and analysis, and fluid removal from tanks. Plugging and abandonment of both wells in Montezuma County was scheduled in FY17, but the project was delayed at the landowner’s request.

The **McCullough #4 Project** is located in La Plata County. FY17 work included installation of valves on the wellhead to prepare for collecting gas samples. The gas samples will be collected for analysis in FY18, and analytical results will be used to help determine necessary plug placement during plugging and abandonment of the well.

The **Red Mesa Holdings Project** originated through Commission Order 1V-508. The project involves 56 locations and 52 wells in La Plata County. FY17 work included site security (locks and equipment labels), well work (leak repairs and



installation of wellhead valves), Bradenhead testing, tank gauging, sampling and analysis, fluid removal from tanks, and weed control. Planned work for FY18 includes plugging and abandonment of two wells, fluid removal from a tank, and weed control.

The **Ranchers Project** originated through Commission Order 1V-526. The project involves two single well locations in Larimer County. Both wells were plugged and abandoned prior to FY17. Ranchers Exploration Partners, LLC drilled one of the two wells on the closed Johnston Landfill, which ceased business operations in 1982.

The Colorado Department of Public Health and the Environment (CDPHE) landfill closure plan does not allow any disturbance to the landfill area. Disturbance occurred during well pad construction and well drilling. The COGCC required the drilling operation to end early and prohibited further oil and gas operations on the location. FY17 work included reclamation at one location and engineering design work in consultation with CDPHE to install a new landfill cover. Cover installation is planned for FY18.

The **Benchmark Project** originated through Commission Order 1V-564. The project involves 40 locations and 39 wells in Logan County. FY17 work included site security (locks and equipment labels), power line repairs, leak repairs, mechanical integrity testing, tank gauging, fluid removal from separation equipment and tanks, sampling and analysis, environmental remediation, berm maintenance, and weed control. Future work is being prioritized.

The **North Shore Field Project** involves three locations on the north shore of Sterling Reservoir in Logan County. Two locations were formerly operated by J&L Oil Corporation, and one location was formerly operated by Zexco Ltd. FY17 work included sampling and analysis. Soil sample analytical results will be used to help evaluate future pilot test procedures for salt remediation from historic produced water releases at all three locations. Wells were plugged, Flowlines were previously abandoned in place, and production equipment was previously removed at all three locations by prior operators. Future work will also include Flowline removal.

The **DB Orphan #8 Project** is located in Mesa County. Emergency procurement was authorized

for FY17 work, including commencement of plugging and abandonment of one well, reportedly drilled as a water well decades ago. The well was leaking gas, and at the time the work was authorized, the wellbore configuration and depth was unknown. The well is located near the center of the Town of De Beque in a residential and commercial area.

Additional FY17 work included sampling and analysis, installation and monitoring of soil vapor extraction systems, methane gas meter monitoring, and preparation of an historical environmental assessment report. The COGCC worked with various interested parties to provide progress updates during the work. Work is ongoing for FY18, and active FY17 participants included the Town of De Beque, the De Beque Fire Protection District, Mesa County, Colorado DORA Public Utilities Commission, West Slope Colorado Oil and Gas Association (COGA), Xcel Energy, Williams Companies, and several COGCC Contractors.

The West Slope Colorado Oil and Gas Association, and specifically Chevron, Laramie Energy and Caerus Oil and Gas, provided free methane monitors to area residents, available through the De Beque Fire Protection District.

The **DB Orphan Blair #1 Project** is located in Mesa County. FY17 work included setting a top plug in one well and reclamation near a residential property along the outskirts of the Town of De Beque. Other work to drill out and plug back the well was performed by the COGCC in prior fiscal years to stop a water leak to the surface.

The **Lloyd and Lowell #1 Project** is located in Mesa County. FY17 work included coordination with the U.S. Army Corps of Engineers (wetland permitting) and downhole camera work and site security (fence installation) in preparation for plugging and abandonment. The well is discharging gas and water to surface and was originally drilled in 1912. It is located southwest of the Town of De Beque.

The **Pagoda Field Project** is located approximately 14 miles southeast of the City of Craig, near the Moffat and Routt County lines, and includes two previously plugged wells. The landowner is improving and developing the east fork of the Williams Fork River habitat on his property. FY17 work included cutting off the

existing above ground vertical plugging and abandonment markers, at the landowner's request.

The **Tatonka Project** originated through Commission Order 1V-383. The project involves one well and two locations built in 2006 in Moffat County. Most project work was completed in prior fiscal years. FY17 work included reclamation monitoring and maintenance activities.

The **Think Oil Project** originated through Commission Order 1V-458. The project involves two single well locations in Moffat County, originally drilled by separate operators in 1950 and 1988. Most project work was completed in prior fiscal years. FY17 work included reclamation.

The **Monument Global Project** originated through Commission Orders 1V-577 and 1V-600. The project involves 15 single well locations in Montezuma County. Most wells are Federal, but COGCC plugged and abandoned one Fee Underground Injection Control well in FY17. Work also included sampling and analysis, spill response, environmental remediation, and reclamation.

The **State #1-36 Project** is located in Montezuma County. FY17 work included plugging and abandonment of one well that was drilled in 1982.

The **Wolcott #1 Project** is located in Montezuma County. FY17 work included plugging and abandonment of a former domestic gas well drilled in 1981. The well was discharging water to the surface prior to plugging.

The **Petrohunter Project** originated through Commission Order 1V-608. The project involves 17 locations and 11 wells in Garfield, Mesa, and Rio Blanco Counties. FY17 work included site security (equipment labels), well leak repair, and Flowline riser identification and marking at various locations in Rio Blanco County. Future work is being prioritized.

The **Rangely Unknown #1 Project** is located in Rio Blanco County. FY17 work included plugging and abandonment of one well.

The **Suckla #1 Project** is located in San Miguel County. FY17 work included water sampling and analysis. The well was originally drilled as a dry and abandoned well in 1974. The well is currently discharging water to the surface.

The **O'Toole #1 Project** is located in Weld County. COGCC Environmental Staff inspected the location and determined that sampling and analysis was not needed. This project will be dropped from the PROW list.

The **Vaughey & Vaughey Project** is located in Weld County. FY17 work included reclamation of one location in Buckingham Field.

Pages 15 through 18 contain a spreadsheet listing PROW projects that are either planned, in progress, or completed as of July 11, 2017.

◆ Colorado Oil and Gas Information System (COGIS) Projects, Updates and Changes

Electronic Form (eForm) Submissions

The COGCC uses 41 types of forms to authorize oil and gas operations, inspect and monitor ongoing operations, and receive reports of operations. Of those 41 forms, 21 are currently available for electronic submittal through the eForms system.

The development team continues to work on the eForm conversion of existing forms. Currently, four forms are in various stages of development: Forms 11, 12, 14, 14A, and 43. In addition, the development team updates eForms with improvements requested by Staff and as required by rule revisions.

In 2017, industry has electronically submitted 99 percent of the forms available in eForms. There are 814 operator users of eForms and 3,295 individual users. For any operator not currently enrolled in eForms, instructions for starting the process can be found on the COGCC website at:

<http://cogcc.state.co.us/Announcements/COUAINformation.pdf>



Applications and Location Assessments

The public can make comments on all submitted Drilling Permit Applications (Form 2s) and Location Assessments (Form 2As) through the eForm system. Simply go to the COGCC website and click on the menu option “Permits” or

<http://cogcc.state.co.us/permits.html#/permits>

On the “Permits Search” page, three search options are available. The first option, “All Pending Permit Applications,” is used for public comments. When the results are displayed for “Pending Applications,” a user can click on the document number hyperlink in the “Status” column, which logs him or her to the eForms application. Once the page is displayed with the selected document, the user can select the “Comment” button to make a comment on that particular form.

Data Access

The COGCC’s database is a comprehensive repository of Colorado’s oil and gas data. The information in the database is available to the public through interactive search tools and a variety of file downloads on the website. Users of bulk data come from many different sectors of the community, including academia, oil and gas operators, environmental groups, government agencies, and the media. In June, Staff released Flowline inventory data from the May 2 NTO.

All the data file downloads are available at:

<http://cogcc.state.co.us/data2.html#/downloads>

New Download

Flowline NTO Imported Data

Current Data File Downloads

Complaints
Field Operations
GIS Shapefiles (12 files)
Mechanical Integrity Tests
Notices of Alleged Violation
Production Data (1999 - present)
Spacing Orders
Spills and Releases
Water Well Data

Future Data File Downloads

Enforcement Orders (OFVs and AOCs)
Underground Injection Control (UIC) Data

Form 27 eForm

The COGCC’s Site Investigation and Remediation Workplan (Form 27) has been upgraded. The Governor’s Office of Information Technology (OIT) completed development of the eForm 27, and COGCC Staff rolled it out to industry in January.

Improvements to the eForm since rollout have included addition of “corrected GPS location” information for more accurate mapping of remediation projects and better data management of multiple site submissions so that each unique site is accurately mapped.

Suggestions for other improvements are welcome and may be submitted to the Environmental Manager via email at

greg.deranleau@state.co.us

Since January 2, the date of the eForm rollout, COGCC Environmental Staff has processed and approved 437 Form 27s, and 76 Forms are currently in process.

◆ September 2017 Hearing Docket

The docket for the September 2017 hearing will be available shortly after the July hearing. Hearing dockets are available on our website by clicking on “Regulation” in the menu and then “Hearings”:

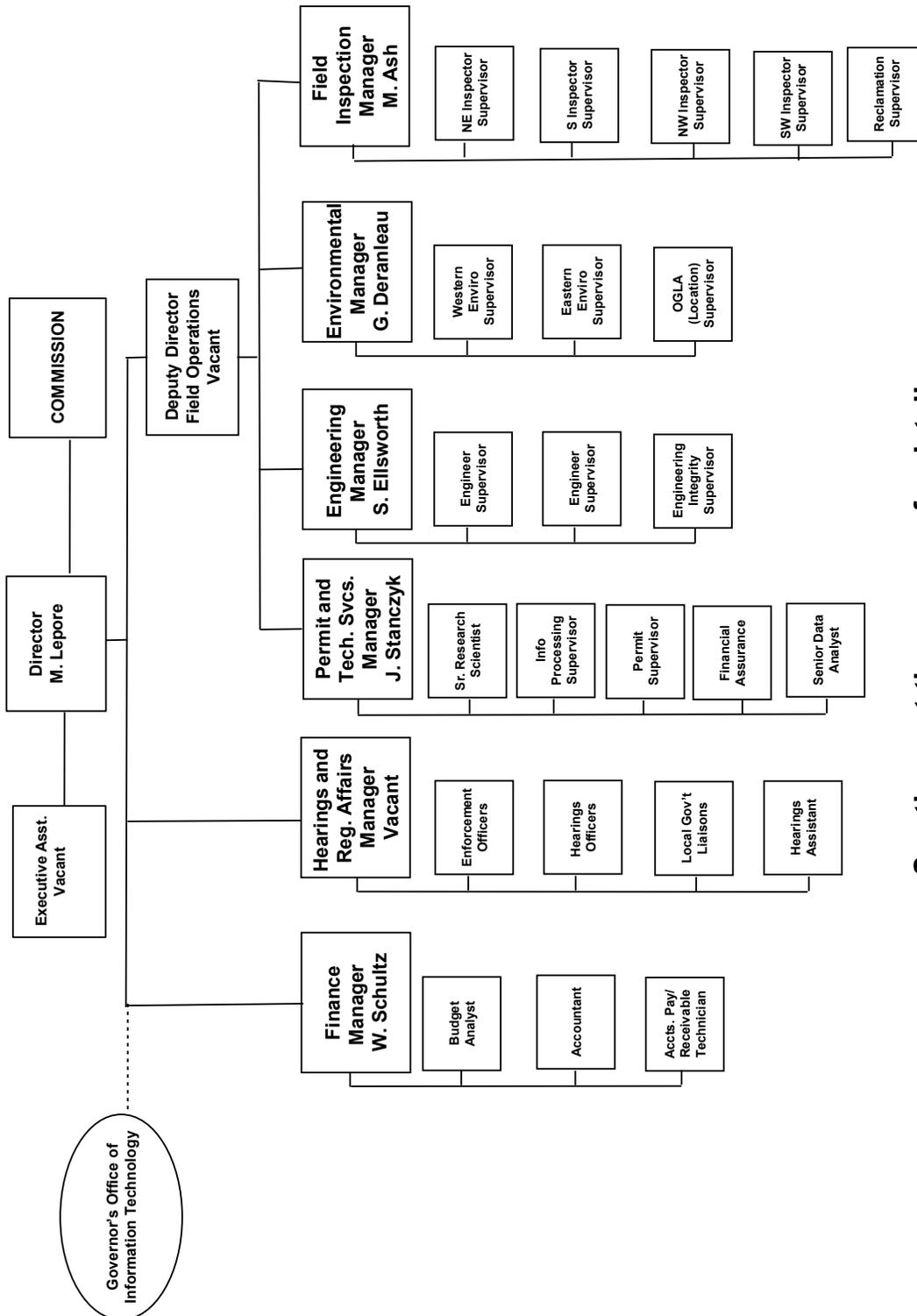
<http://cogcc.state.co.us/reg.html#/hearings>

Links to the notices and hearing applications are available from the Docket Number and Applicant, respectively, by clicking the September Gen_Docket link. To sign up for email notification of hearing notices and applications, please see the announcement and instructions on the homepage of the COGCC website.



Organizational Charts and Statistics

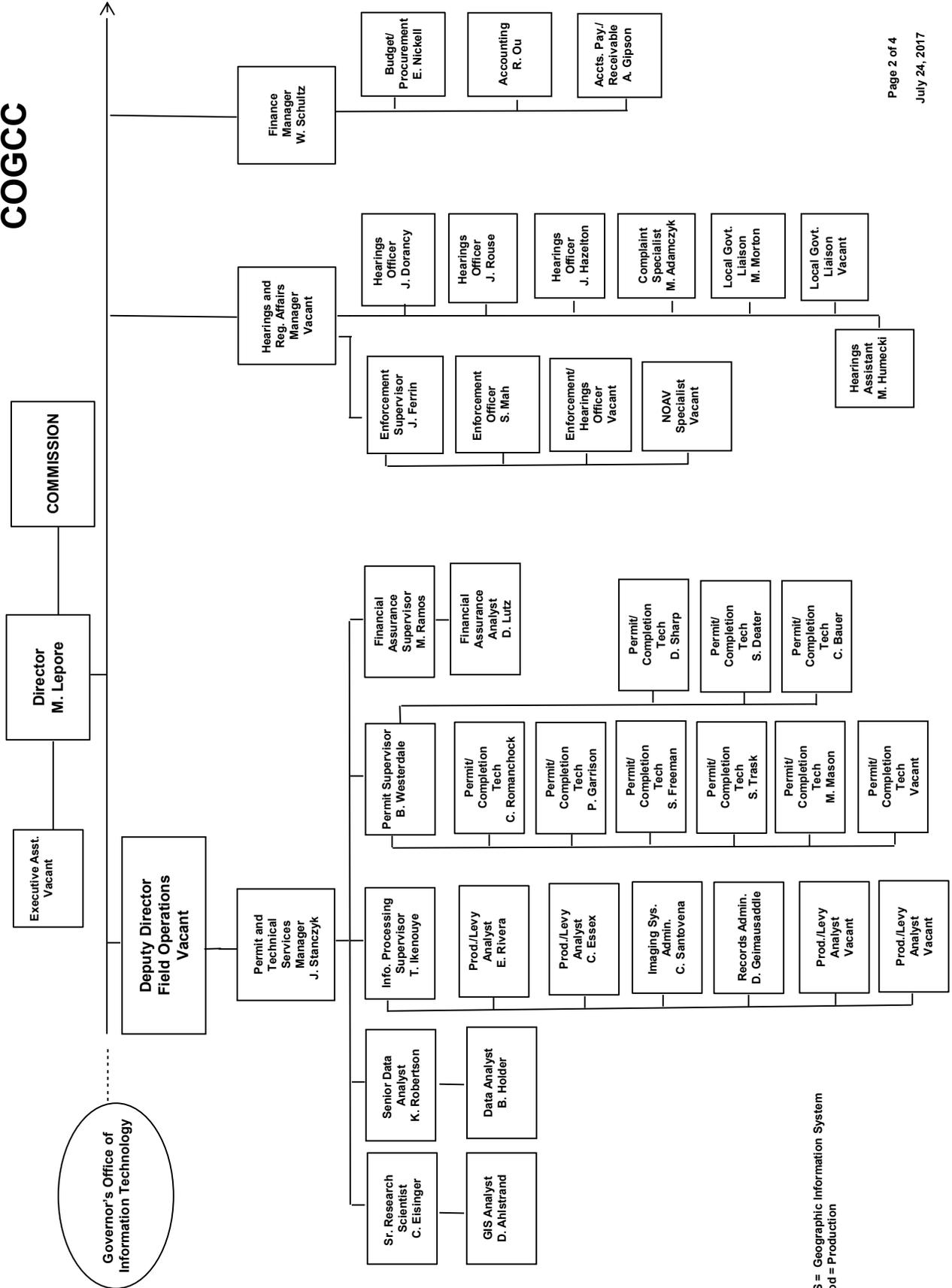
COLORADO OIL & GAS CONSERVATION COMMISSION



See the next three pages for details

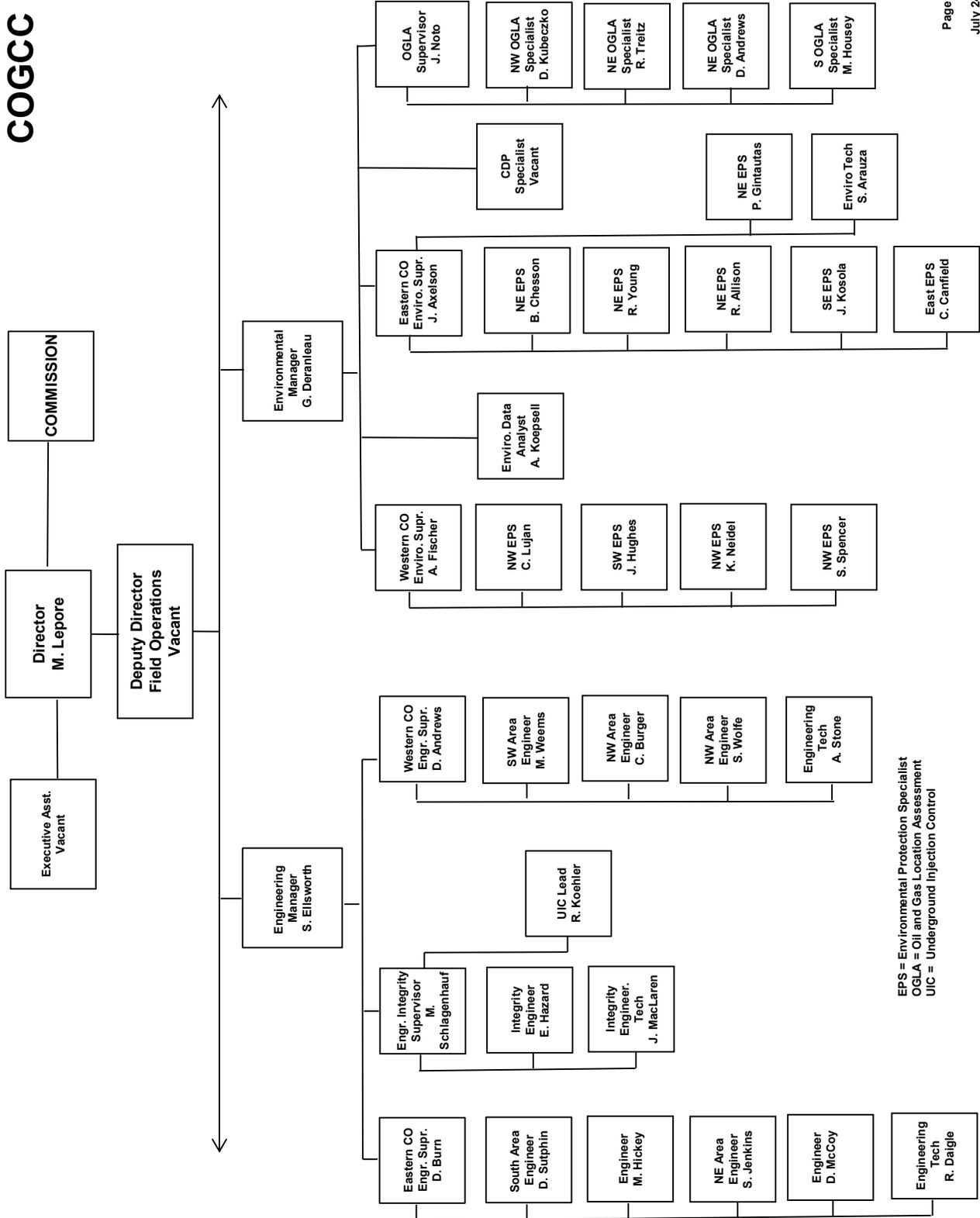


COGCC





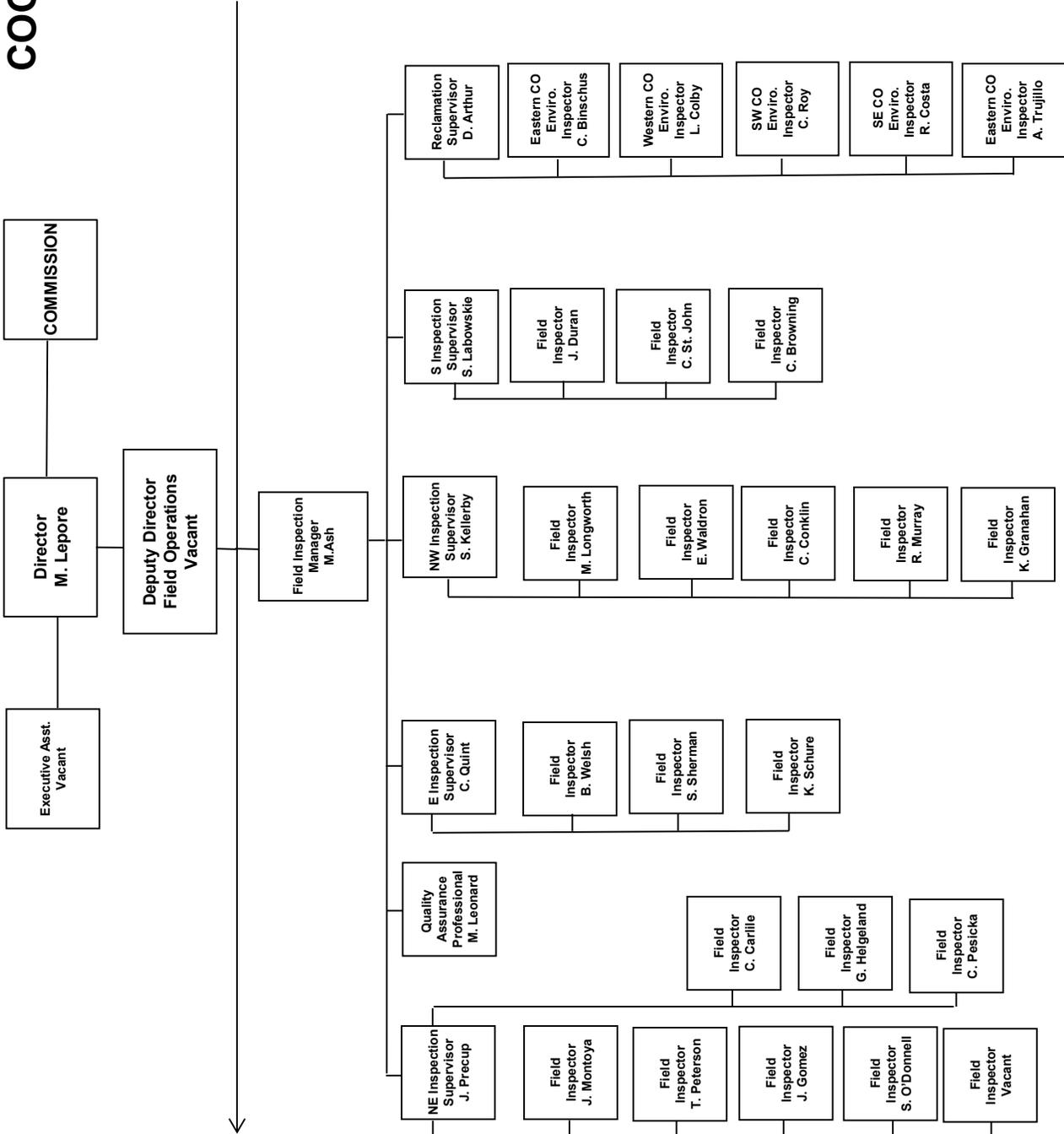
COGCC



EPS = Environmental Protection Specialist
 OGLA = Oil and Gas Location Assessment
 UIC = Underground Injection Control



COGCC





**PLUGGING AND RECLAIMING ORPHANED WELLS (PROW) PROGRAM
FISCAL YEAR 2016-17**

Page 1 of 4

BONDS AND OTHER SURETY CLAIM STATUS FOR "BOND CLAIM" PROJECTS

Project	Order Number(s)	Total Bond Claim	Amount Spent in Prior Fiscal Years	Amount Spent To Date in FY2016-17	Remaining Balance
Atom Petroleum Bond Claim	1V-586	\$ 60,000	\$ -	\$ 797	\$ 59,203
Benchmark Energy Bond Claim	1V-564	\$ 620,000	\$ 1,180	\$ 97,751	\$ 521,069
CM Production Bond Claim	1V-581	\$ 67,849	\$ -	\$ 13,299	\$ 54,549
Dolphin Bond Claim	1V-382	\$ 55,000	\$ 55,000	\$ -	\$ -
Mackley Bond Claim	1V-587	\$ 6,745	\$ -	\$ 6,745	\$ -
Monument Global Bond Claim	1V-577, 1V-600	\$ 80,231	\$ -	\$ 76,310	\$ 3,921
Petrohunter	1V-608	\$ 62,573	\$ -	\$ 4,786	\$ 57,787
Premier Bond Claim	1V-362, 1V-592	\$ 16,778	\$ 5,000	\$ 11,778	\$ -
Provide Bond Claim	1V-364	\$ 5,000	\$ 5,000	\$ -	\$ -
Ranchers Bond Claim	1V-526	\$ 63,424	\$ 30,183	\$ 33,241	\$ -
Red Mesa Holdings Bond Claim	1V-508	\$ 72,831	\$ 4,293	\$ 7,965	\$ 60,574
Red Mountain Bond Claim	1V-549 *	\$ 92,015	\$ -	\$ 29,070	\$ 62,945
Redwine Bond Claim	1V-470, 1V-494	\$ 30,000	\$ 30,000	\$ -	\$ -
Tatonka Bond Claim	1V-383	\$ 30,000	\$ 30,000	\$ -	\$ -
Texas Tea Bond Claim	1V-573	\$ 71,850	\$ -	\$ 40,254	\$ 31,596
Think Oil Bond Claim	1V-458	\$ 12,570	\$ 12,570	\$ -	\$ -
TOTALS ->		\$ 1,346,866	\$ 173,226	\$ 321,995	\$ 851,645

Note: * Red Mountain Bond Total Claim Amount includes \$24,169 bankruptcy deposit and \$5,000 State Land Board deposit (bond transfer)

PLANNED WORK		Project and Task	BOND	PROW	EMGY Orders
ENGR	Adams	Texas Tea Bond Claim: Task 2.1, 3.1A - Plug and Abandon, Flowline Abandonment - 320139, 001-08204	Moving to FY2017-18		
ENGR	Adams	Texas Tea Bond Claim: Task 2.1, 3.1A - Plug and Abandon, Flowline Abandonment - 320206, 001-08443		Moving to FY2017-18	
ENGR	Adams	Texas Tea Bond Claim: Task 2.1, 3.1A - Plug and Abandon, Flowline Abandonment - 320223, 001-08516		Moving to FY2017-18	
ENGR	Adams	Texas Tea Bond Claim: Task 2.1, 3.1A - Plug and Abandon, Flowline Abandonment - 320240, 001-08699		Moving to FY2017-18	
ENGR	Logan	J&L Oil Corp - North Shore Field: Task 1 - Flowline Abandonment - 389243,		Moving to FY2017-18	
ENGR	Logan	J&L Oil Corp - North Shore Field: Task 1 - Flowline Abandonment - 389245,		Moving to FY2017-18	
RECL	Logan	Simms #1: Task 1 - Reclamation (initial work) - 389425,		Moving to FY2017-18	
ENGR	Montezuma	Atom Petroleum Bond Claim: Task 1.1 - Plug and Abandon - 313483, 083-06263	Landowner Request: Moving to FY2017-18		
ENGR	Montezuma	Atom Petroleum Bond Claim: Task 1.1 - Plug and Abandon - 313628, 083-06653	Landowner Request: Moving to FY2017-18		
RECL	Weid	Vaughney & Vaughey - Buckingham Field: Task 1 - Reclamation (initial work) - 405136,	Project Delayed		



WORK IN PROGRESS		Project and Task	BOND Actual	PROW Actual	EMGY Actual	Subtotals Actual
RECL	Adams	Texas Tea Bond Claim: Task 2.2 - Weed Control (maintenance) - Spindle and Sun Fields,	\$ 2,310	\$ -	\$ -	2,310
FOPS	Jackson	CM Production Bond Claim: Task 1.7, 1.8, 1.10, 3.1 - Equipment Intervention, MIT or Other Well Work - Lone Pine Field, Various	\$ 2,313	\$ -	\$ -	2,313
ENVS	Jackson	CM Production Bond Claim: Task 1.11 - Sampling and Analysis - Lone Pine Field,	\$ 4,905	\$ -	\$ -	4,905
ENGR	La Plata	McCullough #4: Task 1 - Plug and Abandon, Sampling and Analysis - 325208, 067-05620	\$ -	\$ 4,980	\$ -	4,980
RECL	La Plata	Red Mesa Holdings Bond Claim: Task 5 - Weed Control (maintenance) - Red Mesa Field,	\$ 4,954	\$ -	\$ -	4,954
RECL	Logan	J&L Oil Corp - North Shore Field: Task 2 - Reclamation (initial work) - 389243,	\$ -	\$ 231	\$ -	231
RECL	Logan	J&L Oil Corp - North Shore Field: Task 2 - Reclamation (initial work) - 389245,	\$ -	\$ 231	\$ -	231
ENGR	Mesa	DB Orphan #8: Task 1 - Plug and Abandon - 450650, 077-10381	\$ -	\$ 107,371	\$ -	107,371
ENGR	Mesa	Lloyd and Lowell #1: Task 2 - Plug and Abandon - 428669, 077-40017	\$ -	\$ 8	\$ -	8
WORK IN PROGRESS SUBTOTALS ->			\$ 14,482	\$ 112,821	\$ -	127,302
COMPLETED WORK		Project and Task	BOND Actual	PROW Actual	EMGY Actual	Subtotals Actual
ENVS	Adams	Texas Tea Bond Claim: Task 1.2 - Sampling and Analysis, Spill or Remediation - 320257,	\$ 29,204	\$ -	\$ -	29,204
ENVS	Adams	Texas Tea Bond Claim: Task 1.3 - Sampling and Analysis, Groundwater Monitoring Wells - 318231,	\$ 8,740	\$ -	\$ -	8,740
ENGR	Boulder	Juhl #1: Task 1 - Plug and Abandon, Flowline Abandonment - 379627, 013-05018	\$ -	\$ 28,069	\$ -	28,069
RECL	Garfield	Dolphin Bond Claim: Task 15 - Mowing - 335477,	\$ -	\$ 787	\$ -	787
RECL	Garfield	Dolphin Bond Claim: Task 16 - Stormwater BMPs (maintenance) - 335477,	\$ -	\$ 1,698	\$ -	1,698
ENGR	Garfield	Mackley Bond Claim: Task 1 - Plug and Abandon - 322296, 045-	\$ 6,745	\$ 75,122	\$ -	81,867
ENVS	Jackson	CM Production Bond Claim: Tasks 1.3 and 1.4 - Field inspections, equipment and location labels, and verify electrical disconnect for Lone Pine Field	\$ -	\$ -	\$ -	-
ENVS	Jackson	CM Production Bond Claim: Task 3.2 - MIT or Other Well Work - 324623, 057-06057	\$ 2,034	\$ -	\$ -	2,034
ENGR	Jefferson	Premier Bond Claim: Task 1 - Plug and Abandon - 324776, 059-	\$ 11,100	\$ 14,561	\$ -	25,661
ENVS	Jefferson	Premier Bond Claim: Task 2 - Sampling and Analysis, Spill or Remediation, Off-Site Disposal - 324776,	\$ 678	\$ 1,000	\$ -	1,678
FOPS	Jefferson	Provide Energy Bond Claim: Task 2 - Plug and Abandon, Equipment Salvage - 324775, 059-06024	\$ -	\$ 1,000	\$ -	1,000
RECL	Jefferson	Red Mountain Bond Claim: Task 3 - Reclamation (initial work) - 324775,	\$ 24,215	\$ -	\$ -	24,215
RECL	Jefferson	Red Mountain Bond Claim: Task 4 - Site Security - 324775,	\$ 4,680	\$ -	\$ -	4,680
FOPS	La Plata	Atom Petroleum Bond Claim: Task 1.2 - Equipment intervention - 325653,	\$ 797	\$ -	\$ -	797



Oil and Gas Staff Report

July 24, 2017

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COMPLETED WORK, cont.		Project and Task	BOND Actual	PROW Actual	EMGY Actual	Subtotals Actual
Work Unit	County					
FOPS	La Plata	Red Mesa Holdings Bond Claim: Task 1 - Sampling and Analysis, Gauge tanks (Various Locations)	\$ 346	\$ -	\$ -	346
ENGR	La Plata	Red Mesa Holdings Bond Claim: Task 2 - MIT or Other Well Work, Complaint response, Bradenhead test - 325858, 067-07085	\$ 2,665	\$ -	\$ -	2,665
RECL	Larimer	Ranchers Bond Claim: Task 1 - Reclamation (initial work), Re-seeding (maintenance), Weed Control (maintenance) - 435790,	\$ 33,215	\$ 692	\$ -	33,907
RECL	Larimer	Ranchers Bond Claim: Task 2 - Engineering Design - 419639,	\$ -	\$ 53,881	\$ -	53,881
FOPS	Logan	Benchmark Energy Bond Claim: Task 1.1 - Site Security - Graylin NW and Mount Hope Fields,	\$ 496	\$ -	\$ -	496
FOPS	Logan	Benchmark Energy Bond Claim: Task 1.2 - Equipment Intervention, Gauge Tanks - Graylin NW and Mount Hope Fields,	\$ -	\$ -	\$ -	-
RECL	Logan	Benchmark Energy Bond Claim: Task 1.3 - Weed Control (maintenance), Mowing - Graylin NW and Mount Hope Fields,	\$ 14,900	\$ -	\$ -	14,900
HEAR	Logan	Benchmark Energy Bond Claim: Task 1.4 - Title Work (legal) - Graylin NW and Mount Hope Fields,	\$ 8,000	\$ -	\$ -	8,000
FOPS	Logan	Benchmark Energy Bond Claim: Task 1.5 - Repair Power Lines - Graylin NW and Mount Hope Fields,	\$ 750	\$ -	\$ -	750
FOPS	Logan	Benchmark Energy Bond Claim: Task 1.6, 1.6B, 1.7, 1.8, 1.9 - Equipment Intervention, Fix Leaks, Fluid Handling, Berm Maintenance - Graylin NW and Mount Hope Fields,	\$ 17,683	\$ -	\$ -	17,683
FOPS	Logan	Benchmark Energy Bond Claim: Task 1.10 - Reclaim Oil - Graylin NW and Mount Hope Fields,	\$ -	\$ -	\$ -	-
ENVS	Logan	Benchmark Energy Bond Claim: Task 1.13, 2.1 - Spill or Remediation - 312152,	\$ 9,195	\$ -	\$ -	9,195
ENVS	Logan	Benchmark Energy Bond Claim: Task 1.14 - Spill or Remediation, Off-Site Disposal - Graylin NW and Mount Hope Fields,	\$ 3,789	\$ -	\$ -	3,789
FOPS	Logan	Benchmark Energy Bond Claim: Task 1.15, 1.16 - MIT or Other Well Work, Wireline Tags - Graylin NW and Mount Hope Fields,	\$ 11,784	\$ -	\$ -	11,784
ENGR	Logan	Benchmark Energy Bond Claim: Task 2.2 - Plug and Abandon - 312158, 075-05972	\$ 31,155	\$ -	\$ -	31,155
ENVS	Mesa	DB Orphan #8: Task 2 - Sampling and Analysis, Soil Vapor Monitoring - 450650,	\$ -	\$ 19,093	\$ -	19,093
ENVS	Mesa	DB Orphan #8: Task 3 - Soil Vapor Extraction System - 450650,	\$ -	\$ 4,750	\$ -	4,750
ENVS	Mesa	DB Orphan #8: Task 4 - Environmental Assessment Report -	\$ -	\$ 6,844	\$ -	6,844
ENGR	Mesa	DB Orphan Blair #1: Task 4 - Plug and Abandon - 434038, 077-	\$ -	\$ 24,467	\$ -	24,467
RECL	Mesa	DB Orphan Blair #1: Task 5 - Reclamation (initial work) - 434038,	\$ -	\$ 4,360	\$ -	4,360
ENGR	Mesa	Lloyd and Lowell #1: Task 1 - Site Security, MIT or Other Well Work, Downhole Camera - 428669, 077-40017	\$ -	\$ 7,506	\$ -	7,506
FOPS	Moffat	Saunders et al #1: Task 1 - MIT or Other Well Work, Remove cables and junk - 391470, 081-05241	\$ -	\$ 1,308	\$ -	1,308
RECL	Moffat	Tatonka Bond Claim: Task 9 - Reclamation (initial work), Seeding - 313340,	\$ -	\$ 3,462	\$ -	3,462
RECL	Moffat	Think Oil Bond Claim: Task 2 - Reclamation (initial work) -	\$ -	\$ 18,600	\$ -	18,600
ENGR	Montezuma	Monument Global Bond Claim: Task 1 - Plug and Abandon - 313425, 083-05147	\$ 49,945	\$ -	\$ -	49,945
ENVS	Montezuma	Monument Global Bond Claim: Task 2 - Sampling and Analysis, Spill or Remediation - 313425, 083-05147	\$ 4,502	\$ -	\$ -	4,502
RECL	Montezuma	Monument Global Bond Claim: Task 3 - Flowline Abandonment, Reclamation (initial work), Weed Control (maintenance), Clean Out Cattle Guard, Road Repair - 313425,	\$ 12,790	\$ -	\$ -	12,790



COMPLETED WORK, cont.		Project and Task	BOND Actual	PROW Actual	EMGY Actual	Subtotals Actual
Work Unit	County					
RECL	Montezuma	Monument Global Bond Claim: Task 4 - Reclamation (initial work), Seeding (initial work) - 313425,	\$ 9,073	\$ -	\$ -	9,073
ENGR	Montezuma	State #1-36: Task 1 - Plug and Abandon - 313502, 083-06354	\$ -	\$ 13,031	\$ -	13,031
ENGR	Montezuma	Wolcott #1: Task 1 - Plug and Abandon - 313501, 083-06341	\$ -	\$ 13,404	\$ -	13,404
RECL	Montrose	Redwine Bond Claim: Task 4 - Weed Control (maintenance), Stormwater BMP maintenance - 313641,	\$ -	\$ 4,930	\$ -	4,930
ENGR	Ourray	Swanson-Peterson #1: Task 3 - Visual mitigation - 311784,	\$ -	\$ 1,130	\$ -	1,130
FOPS	Rio Blanco	Petrohunter Bond Claim: Task 1 - Site Security, Equipment Intervention, Flowline Identification - Powell Park Field,	\$ 4,786	\$ -	\$ -	4,786
ENGR	Rio Blanco	Rangely Unknown #1: Task 1 - Plug and Abandon - 441404, 103-	\$ -	\$ 3,500	\$ -	3,500
FOPS	Routt	Pagoda #1-31: Task 1 - MIT or Other Well Work, Cut off PA marker - 399362, 107-06115	\$ -	\$ 1,308	\$ -	-
ENVS	San Miguel	Suckla #1: Task 2 - Sampling and Analysis - 399503,	\$ -	\$ 174	\$ -	174
FOPS	Washington	CM Production Bond Claim: Task 1.5 - Equipment Intervention - Hyde and Tap Fields,	\$ 4,047	\$ -	\$ -	4,047
ENVS	Weld	OTool #1: Task 1 - Sampling and Analysis - 404980,	\$ -	\$ -	\$ -	-
ENGR	Weld	Vaughey & Vaughey - Buckingham Field: Task 1 - Reclamation (initial work) - 405138,	\$ -	\$ 22,976	\$ -	22,976
RECL	Various	CDPHE Stormwater Permits	\$ 201	\$ 1,374	\$ -	1,575
COMPLETED WORK SUBTOTALS ->			\$ 307,513	\$ 329,026	\$ -	635,231

NOTES:

Project and Task Format: [Location or Well Name and Number (if orphan) or Operator Name + "Bond Claim"] :
 "Task" [Task No(s)] - [Task Type(s)] - [Facility ID Number], [Well API Number (county and sequence code,
 if well work included with task)]

ABREVIATIONS:

ENGR = Engineering, RECL = Reclamation,
 ENVS = Environmental, FOPS = Field Operations
 HEAR = Hearings
 EMGY = Emergency Response Appropriation
 PROW = Plugging and Reclaiming Orphaned Wells Appropriation

PROW FUNDS SCOREBOARD

\$	445,000	Annual PROW Appropriation
\$	-	Planned Work Estimate
\$	(112,821)	Work In Progress
\$	(329,026)	Completed Work
\$	3,154	Projected Fiscal Year End Balance

(excludes work involving Bond Expenditures)

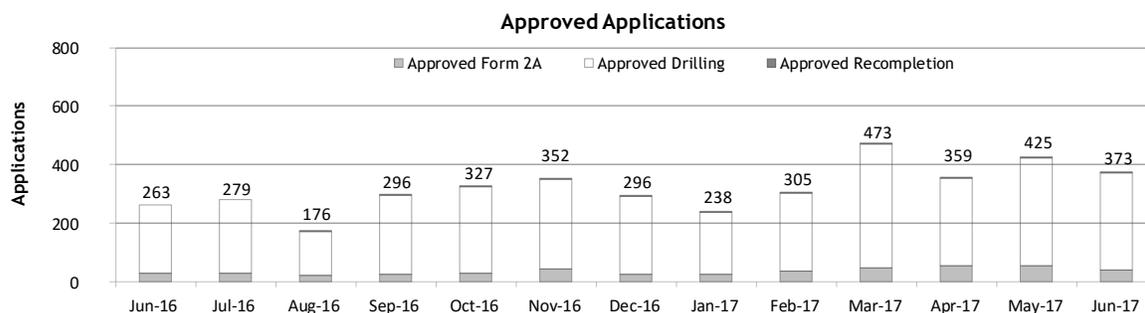
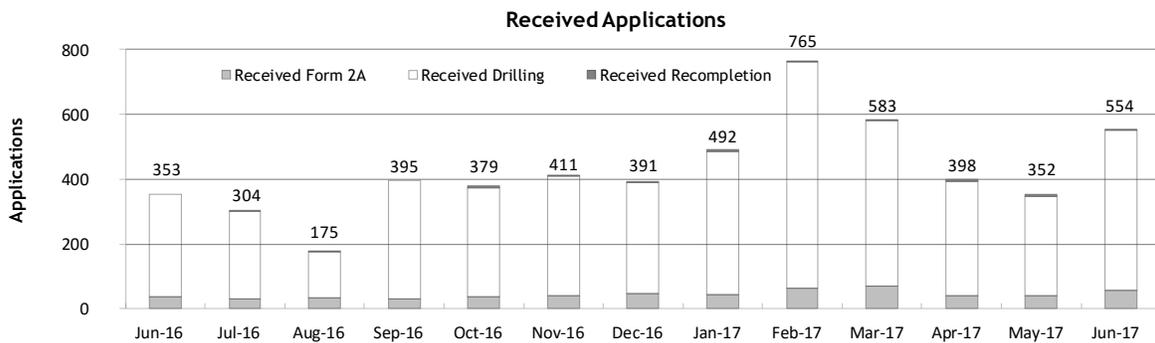


Monthly Permit Activity as of July 3, 2017

Form/Month	Backlog	Received	Approved	Withdrawn	Rejected	Incomplete ¹	In-Process	Remaining ²
Form2A								
Jun-16	96	38	30	3	0	23	78	101
Jul-16	101	31	30	3	0	25	74	99
Aug-16	99	33	23	2	0	19	88	107
Sep-16	107	29	24	1	0	17	94	111
Oct-16	111	38	29	2	0	25	93	118
Nov-16	118	40	45	0	3	22	88	110
Dec-16	110	48	25	6	0	20	107	127
Jan-17	127	42	25	1	1	18	124	142
Feb-17	142	62	38	2	0	28	136	164
Mar-17	164	71	48	6	3	29	149	178
Apr-17	178	41	54	3	0	34	128	162
May-17	162	41	55	0	0	25	123	148
Jun-17	148	58	40	2	1	31	132	163
Drilling								
Jun-16	736	315	233	6	2	125	685	810
Jul-16	810	268	249	24	0	145	660	805
Aug-16	805	141	150	9	7	126	654	780
Sep-16	780	366	270	0	12	77	787	864
Oct-16	864	334	297	1	0	82	818	900
Nov-16	900	368	304	7	64	138	755	893
Dec-16	893	342	267	15	9	115	829	944
Jan-17	944	442	211	1	13	89	1,072	1,161
Feb-17	1,161	701	263	14	0	86	1,499	1,585
Mar-17	1,585	510	423	14	47	131	1,480	1,611
Apr-17	1,611	352	301	21	14	167	1,460	1,627
May-17	1,627	307	367	13	52	168	1,334	1,502
Jun-17	1,502	493	331	3	9	185	1,467	1,652
Recompletion								
Jun-16	3	0	0	0	0	2	1	3
Jul-16	3	5	0	0	0	2	6	8
Aug-16	8	1	3	0	0	2	4	6
Sep-16	6	0	2	0	0	2	2	4
Oct-16	4	7	1	0	0	2	8	10
Nov-16	10	3	3	0	0	3	7	10
Dec-16	10	1	4	1	0	2	4	6
Jan-17	6	8	2	0	0	2	10	12
Feb-17	12	2	4	0	0	3	7	10
Mar-17	10	2	2	0	0	2	8	10
Apr-17	10	5	4	1	0	2	8	10
May-17	10	4	3	4	0	1	6	7
Jun-17	7	3	2	0	0	2	6	8

¹ Incomplete are applications that have missing or inaccurate data and cannot be approved.

² Backlog = Incomplete + In-process = Remaining permits from previous month.




Status of Permit Applications Filed By Month as of July 3, 2017
Form 2A Location Assessment

Year	Month	Received	Approved	Withdrawn	In Process	Percent In Process	Average			
							Days to Process	Less Than 30 Days	30 to 49 Days	Greater Than 50 Days
2011	TOTAL	2,391	2,298	93	0	0%		1,416	620	262
2012	TOTAL	1,359	1,291	68	0	0%		706	378	207
2013	TOTAL	1,281	1,202	78	1	0%		369	433	400
2014	TOTAL	1,114	1,067	47	0	0%		279	429	359
2015	TOTAL	592	563	26	3	1%		78	157	328
2016	TOTAL	407	373	20	13	3%		32	61	280
2017	JAN	42	30	2	10	24%	80	0	5	25
	FEB	59	46	1	12	20%	62	7	9	30
	MAR	70	49	2	19	27%	54	6	18	25
	APR	41	23	0	18	44%	45	5	9	9
	MAY	41	10	1	30	73%	36	2	6	2
	JUNE	58	0	0	58	100%	0	0	0	0
2017	TOTAL	311	158	6	147	47%		20	47	91

Form 2 Application For Permit to Drill (APDs)

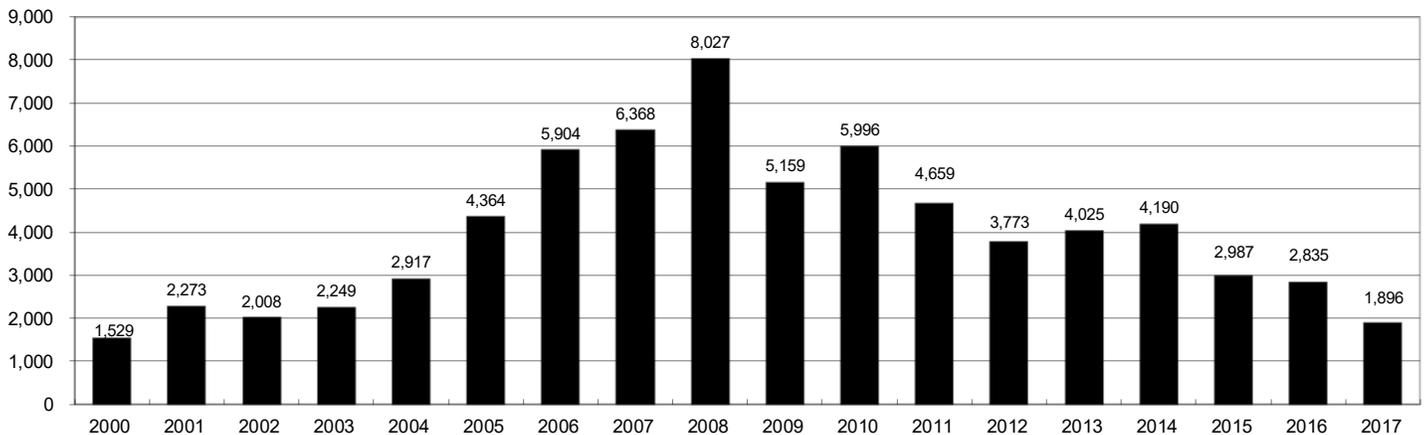
Year	Month	Received	Approved	Withdrawn	In Process	Percent In Process	Average			
							Days to Process	Less Than 30 Days	30 to 49 Days	Greater Than 50 Days
2011	TOTAL	4,691	4,557	132	0	0%		2,723	1,565	587
2012	TOTAL	3,955	3,816	139	0	0%		1,971	1,393	602
2013	TOTAL	4,548	4,312	235	1	0%		1,046	1,626	1,714
2014	TOTAL	4,208	4,026	155	27	1%		689	1,629	1,744
2015	TOTAL	3,237	3,088	130	19	1%		249	759	2,110
2016	JAN	232	231	1	0	0%	99	23	33	176
	FEB	180	177	3	0	0%	80	5	34	141
	MAR	249	246	3	0	0%	98	16	36	194
	APR	174	167	6	1	1%	68	31	24	112
	MAY	352	351	1	0	0%	94	9	61	281
	JUN	312	293	19	0	0%	113	6	51	236
	JUL	236	187	28	9	4%	100	30	1	161
	AUG	136	131	4	1	1%	95	9	26	98
	SEP	359	349	0	8	2%	81	22	72	256
	OCT	313	295	10	8	3%	84	20	26	255
	NOV	368	300	11	47	13%	84	29	22	252
	DEC	342	258	3	47	24%	105	4	16	239
2016	TOTAL	3,253	2,985	89	121	4%		204	402	2,401
2017	JAN	418	279	5	134	32%	91	5	41	239
	FEB	645	379	5	261	40%	71	36	39	305
	MAR	510	275	30	205	40%	67	15	70	191
	APR	344	147	2	195	57%	60	10	17	123
	MAY	307	87	1	219	71%	37	18	65	5
	JUNE	493	9	0	484	98%	2	9	0	0
2017	TOTAL	2,717	1,176	43	1,498	55%		84	232	863



Annual Drilling Permits by County as of July 3, 2017

County	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
ADAMS	38	28	9	26	39	34	37	89	51	35	21	8	40	40	51	96	74	95
ARAPAHOE		2	1	2	5	7	11	10	10	10	8	23	35	23	34	19	5	20
ARCHULETA	7	9	6	10	8	13	14	26	47	11	18	12	5	4	3	11	3	4
BACA	22	6	2	3	7	8	2	11	13	3	4	5	3	1	1			
BENT	2				5	3	8	1	1		5		2	1				
BOULDER	1	5	6	7	17	13	21	37	32	35	24	30	22					
BROOMFIELD			2	7		1	1		2	33	28	11	36		31			
CHEYENNE	3	3	3	3	3	10	21	15	33	12	13	16	31	50	26	9		
COSTILLA																		
CROWLEY															2			3
DELTA			7	4	5	10	9	2			4	3	6	1	2			
DENVER		3					19	25	24									
DOLORES				1	1	1	6	10	12	21	8	8	13	12	3		3	1
EAGLE														1				
ELBERT	2						4			1		1	2	2	4	3	3	1
EL PASO										2	3	3	18	1	2			
FREMONT					1	3	2	4	14	13	22	14	11	2	8	2	2	
GARFIELD	213	353	362	567	796	1,509	1,845	2,550	2,888	1,981	2,037	1,323	1,046	870	1,066	532	724	284
GRAND																		
GUNNISON			5	10	1	9	19	7	10	12	4	3	11	9	20	28	19	15
HUERFANO	41	27	27		8	2			7		2	1	9	1	13	2		
JACKSON	34	18	21	9	14	6	8	5	27	19	9	18	5	12	17	3	57	14
JEFFERSON	1						1	3	2					1				
KIOWA	11	18	2	4	2	1	11	9	26	7	16	17	17	12	5	3		
KIT CARSON				1	3	5	4	4	13	7	3	2	6	1	2		1	
LA PLATA	127	156	104	162	102	115	235	251	328	298	191	99	71	32	87	106	96	55
LARIMER	2		1			1		5	46	12	41	8	13	2	4	28	4	28
LAS ANIMAS	268	400	259	180	332	413	500	362	303	88	92	85	11	2	1			
LINCOLN	2	2	1	6	3	4	1	2	58	44	48	31	36	87	129	24	5	5
LOGAN	4	7	3	3	6	13	17	14	5	9	17	8	27	4	5		1	
MESA	13	27	30	27	54	136	265	293	501	427	306	127	150	105	74	126	7	111
MOFFAT	35	52	62	63	63	60	120	68	57	51	53	93	88	44	54	12	17	4
MONTEZUMA	4		5	8	8	11	5	12	22	39	19	27	29	14	25	3	3	5
MONTROSE	1	3	2	4	2		1	3	3		1	1						
MORGAN	9	9	2	7	9	7	3	6	2	1	6	13	5	16	6	4	28	
OTERO																		
PARK										3	4	1						
PHILLIPS	1	2		7	13	17	12	69	82	45	64	112	56		11	2		
PITKIN					1			1								1		
PROWERS	2	5	4		7	5	7	5	8	1	3	1			1		1	
RIO BLANCO	89	187	105	179	154	161	360	321	477	348	441	109	117	167	121	107	71	31
RIO GRANDE	1	1		1					1	1			2		1			
ROUTT	20	13	1		4	6	9	8	4	2	3	10	4	12	4	9		
SAGUACHE	2		2					2	1	2								
SAN MIGUEL	11	13	27	18	42	45	35	23	20	13	10	2	1		2	3		
SEDGWICK				1	5	2	7	2	1	19	11	12	2		7	1		
WASHINGTON	23	17	27	34	128	50	69	45	11	1	6	12	6	19	12	9	7	4
WELD	509	702	760	757	832	901	1,418	1,527	2,340	1,448	2,152	2,262	1,826	2,468	2,303	1,841	1,704	1,216
YUMA	31	205	160	138	237	782	797	541	545	105	299	148	11	9	53	3		
TOTAL	1,529	2,273	2,008	2,249	2,917	4,364	5,904	6,368	8,027	5,159	5,996	4,659	3,773	4,025	4,190	2,987	2,835	1,896

ALL COUNTIES





Form 2A Breakdown By County By Year as of July 3, 2017

Year	County	Form 2As	Completed	In Process	New Location	CDP	SWH	RSO	CDPHE
2009	Total State	818	818	0	408	2	80	5	5
2010	Total State	2,377	2,377	0	1,543	0	317	22	55
2011	Total State	2,297	2,297	0	1,724	1	259	16	5
2012	Total State	1,297	1,297	0	900	0	167	6	1
2013	Total State	1,195	1,194	1	845	0	144	2	4
2014	Total State	1,067	1,065	0	776	3	129	7	3
2015	Total State	574	568	4	399	0	95	2	2
2016	ADAMS	9	9	0	8	0	0	0	0
	ARAPAHOE	10	8	1	6	0	0	0	0
	ARCHULETA	1	1	0	0	0	1	0	0
	DOLORES	1	1	0	1	0	0	0	0
	ELBERT	3	3	0	0	0	0	0	0
	FREMONT	1	0	1	0	0	1	0	0
	GARFIELD	26	27	0	4	0	13	3	2
	GUNNISON	6	6	0	1	0	2	1	0
	HUERFANO	1	0	1	1	0	1	0	0
	JACKSON	10	10	0	5	0	9	0	0
	KIT CARSON	1	1	0	1	0	0	0	0
	LA PLATA	5	5	0	0	0	5	0	1
	LARIMER	2	2	0	2	0	0	0	0
	LINCOLN	5	5	0	4	0	0	0	0
	LOGAN	2	2	0	0	0	0	0	0
	MESA	4	4	0	2	0	3	0	1
	MOFFAT	15	11	2	6	0	15	0	1
	MONTEZUMA	1	1	0	1	0	0	0	0
	MORGAN	1	1	0	1	0	0	0	0
	PROWERS	1	1	0	1	0	0	0	0
	ROUTT	1	1	0	0	0	1	0	0
	WASHINGTON	6	6	0	6	0	0	0	0
	WELD	281	270	8	178	0	3	0	2
2016	Total State	393	375	13	228	0	54	4	7
2017	ADAMS	21	4	17	20	0	0	0	0
	ARAPAHOE	16	4	12	14	0	0	0	0
	CROWLEY	3	3	0	3	0	0	0	0
	DOLORES	2	1	1	2	0	1	0	0
	ELBERT	1	1	0	1	0	0	0	0
	FREMONT	1	0	1	1	0	1	0	0
	GARFIELD	18	13	5	5	0	14	3	0
	GUNNISON	1	1	0	0	0	1	0	0
	JACKSON	2	1	1	2	0	2	0	0
	LA PLATA	8	5	3	4	0	6	0	0
	LARIMER	2	1	1	2	0	0	0	0
	LINCOLN	8	4	4	6	0	0	0	0
	MESA	7	6	1	5	0	2	0	0
	MOFFAT	1	1	0	1	0	1	0	0
	MONTEZUMA	3	2	1	3	0	0	0	0
	RIO BLANCO	5	2	3	2	0	4	0	0
	WASHINGTON	6	4	2	6	0	0	0	0
	WELD	188	94	94	123	0	5	0	0
2017	Total State	293	147	146	200	0	37	3	0

Abbreviations:

CDP = Comprehensive Drilling Plan

SWH = Sensitive Wildlife Habitat consultation

RSO = Restricted Surface Occupancy consultation

CDPHE= Colorado Department of Health and Environment consultation



Well to Building Setbacks by Year and by County as of July 3, 2017

Count of well locations, grouped by proximity from well to buildings.

Location Proximity to Buildings	2010	2011	2012	2013	2014	2015	2016	2017	Number of Locations	Percent of Total Locations
Less than 150 feet	3	3	2	0	3	2	0	0	15	0%
150 to 350 feet	58	61	39	34	38	12	15	7	301	3%
350 to 500 feet	110	97	61	64	48	33	23	11	497	6%
500 to 1000 feet	385	331	188	188	161	83	76	42	1,571	17%
1000 + feet	1,705	1,470	838	761	724	378	206	173	6,611	73%
TOTAL LOCATIONS	2,261	1,962	1,128	1,047	974	508	320	233	8,995	

County	TOTAL	Less than 150 feet	150 to 350 feet	350 to 500 feet	500 to 1000 feet	1000 + feet
ADAMS	93	0	4	9	23	57
ARAPAHOE	108	0	2	5	10	91
ARCHULETA	24	0	0	1	12	11
BACA	15	0	0	0	1	14
BENT	7	0	0	0	0	7
BOULDER	23	0	1	1	17	4
BROOMFIELD	33	0	0	4	13	16
CHEYENNE	140	1	0	0	2	137
CROWLEY	5	0	0	0	0	5
DELTA	7	0	0	2	1	4
DOLORES	21	0	0	0	7	14
EAGLE	1	0	0	0	0	1
EL PASO	14	0	0	0	3	11
ELBERT	15	0	0	0	3	12
FREMONT	40	0	2	7	8	23
GARFIELD	597	0	12	10	81	494
GUNNISON	48	1	0	4	1	42
HUERFANO	16	0	0	0	5	11
JACKSON	59	0	0	5	1	53
KIOWA	66	0	0	0	1	65
KIT CARSON	15	0	0	0	0	15
LA PLATA	145	0	6	14	47	78
LARIMER	42	0	5	5	16	16
LAS ANIMAS	201	1	6	7	37	150
LINCOLN	379	0	1	2	4	372
LOGAN	45	0	1	1	1	42
MESA	107	0	0	3	16	88
MOFFAT	190	0	1	3	16	170
MONTEZUMA	45	0	0	1	4	40
MONTROSE	2	0	0	0	0	2
MORGAN	31	0	0	2	4	25
PARK	4	0	0	0	0	4
PHILLIPS	275	1	4	6	21	243
PITKIN	1	0	0	0	0	1
PROWERS	6	0	0	0	0	6
RIO BLANCO	189	0	0	0	2	187
RIO GRANDE	2	0	0	0	1	1
ROUTT	30	0	0	0	2	28
SAN MIGUEL	14	0	0	0	0	14
SEDGWICK	33	0	0	1	3	29
WASHINGTON	83	0	2	0	3	78
WELD	5,296	11	245	388	1,161	3,491
YUMA	528	0	9	16	44	459



Well to Building Setbacks Less Than Two Hundred Feet as of July 3, 2017

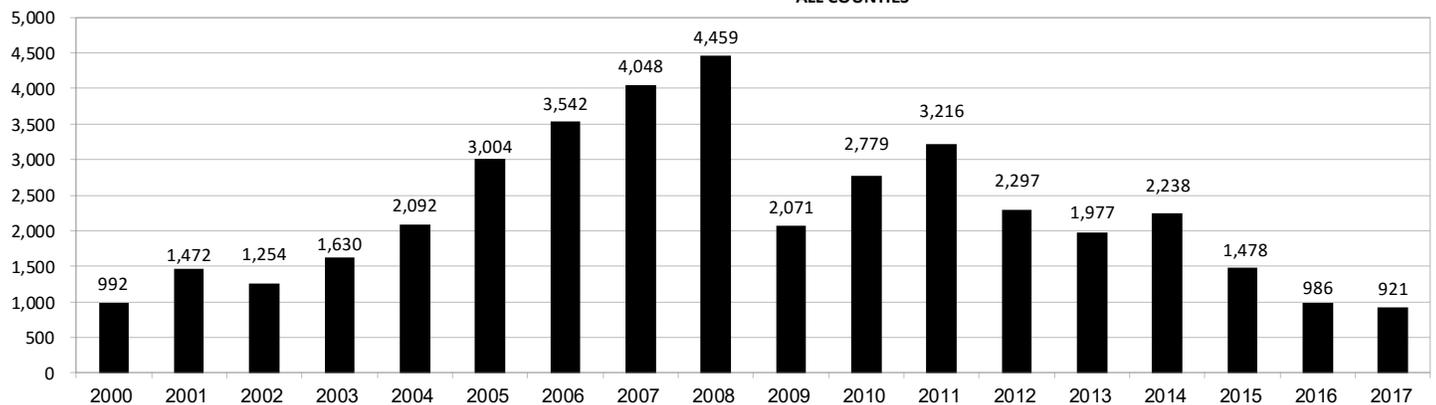
Year	Location Doc Number	County	High Density	New Location	Distance (Feet)	Proximity (Feet)	Building Description
2015	400768804	WELD	No	Yes	46	less 150	Building to be razed
2011	2587822	CHEYENNE	No	No	58	less 150	Water well house
2009	1691798	WELD	No	No	58	less 150	Vehicle garage
2010	400072164	WELD	No	Yes	69	less 150	Abandoned hog shed
2014	400569085	WELD	No	No	78	less 150	Well shed
2014	400600705	WELD	No	No	80	less 150	Livestock shed
2012	400240957	GUNNISON	No	Yes	90	less 150	Equipment shed
2015	400742811	WELD	No	Yes	102	less 150	Building to be razed
2009	1758843	WELD	No	Yes	103	less 150	Building to be razed
2011	1636646	WELD	No	No	122	less 150	Storage shed
2009	400011284	LAS ANIMAS	No	Yes	127	less 150	Operator is owner
2009	1786896	PHILLIPS	No	No	132	less 150	Grain storage
2014	400642113	WELD	No	Yes	142	less 150	Barn
2011	400117702	WELD	No	Yes	143	less 150	Irrigation pump house
2011	400227765	WELD	No	Yes	145	less 150	Storage barn
2014	400558626	LINCOLN	No	No	150	less 150	Gas plant equipment building
2009	1904205	WELD	No	No	154	150 to 350	Livestock enclosure
2012	400243295	WELD	No	Yes	155	150 to 350	Unused storage shed
2015	400862577	GARFIELD	No	No	155	150 to 350	Gravel pit scale house
2011	400179419	WELD	No	Yes	157	150 to 350	Existing well / storage building
2010	400054716	WELD	No	No	159	150 to 350	Equipment barn
2011	400188968	WELD	No	Yes	159	150 to 350	Abandoned
2014	400554054	WELD	No	Yes	159	150 to 350	Equipment shed
2014	400559404	WELD	No	Yes	160	150 to 350	Barn
2016	400950178	LA PLATA	No	Yes	162	150 to 350	Residence
2010	400021477	WELD	No	Yes	162	150 to 350	Goat barn
2009	1758386	WELD	No	Yes	168	150 to 350	Storage shed
2011	1635946	WELD	No	No	169	150 to 350	Storage shed
2013	400447386	WELD	No	No	169	150 to 350	Abandoned turkey barn
2013	400447391	WELD	No	No	169	150 to 350	Abandoned turkey barn
2011	400165164	WELD	No	Yes	178	150 to 350	Residence
2013	400367184	WELD	No	Yes	179	150 to 350	Shed
2011	400188780	WELD	No	Yes	180	150 to 350	Residence
2014	400562498	WELD	No	Yes	181	150 to 350	Garage / storage shed
2010	1697620	WELD	No	No	187	150 to 350	Livestock shed
2009	1758746	WELD	No	No	193	150 to 350	Storage shed
2011	400154431	WELD	No	Yes	198	150 to 350	Turkey barn
2012	400250031	WELD	No	Yes	198	150 to 350	Abandoned guard shack
2010	1774783	WELD	No	No	199	150 to 350	Cement service building
2011	400118102	YUMA	No	Yes	199	150 to 350	Steel barn



Annual Well Starts by County as of July 3, 2017

County	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
ADAMS	18	13	4	19	22	24	13	41	14	14	21	1	15	5	29	3	2	9
ARAPAHOE					6	1	5	2	1	1	3	9	9	25	21		1	3
ARCHULETA	4	4	2	5	4	10	5	7	29	9	12	10	11		1	7	4	4
BACA	19	6	2	1	6	6	2	6	12		5	4	2	1		1		
BENT	2				3	2	8	1	1			1	2					
BOULDER				2	5	11	9	14	25	16	13	7	14					
BROOMFIELD			2		1				10		21	11	5					
CHEYENNE	2	1	3	3		9	14	15	14	8	12	11	17	35	19	3		
COSTILLA																		
CROWLEY															2			1
DELTA				5	4	6	5	2			9	2	3					
DENVER		2					7	5	4									
DOLORES					2		2	13	6	2		1	5	10	4			
EAGLE														1				
EL PASO											2		5		1			
ELBERT	2						1									3		1
FREMONT					1	3	2	2	5	3	9	16	9	2	4		1	
GARFIELD	190	251	245	417	585	799	1,005	1,304	1,689	765	905	877	495	391	361	175	147	141
GUNNISON			1		1	1	9	5	1	4	5	2	4	1	2	4	1	2
HUERFANO	25	14	19	3	6	2			2		2		2	1	4	1		
JACKSON	24	2	4	10	10		3	3	12	1	8	7		7	7		24	3
JEFFERSON								2										
KIOWA	8	16	2	4	2	1	7	7	2	5	15	14	10	12	3	2		
KIT CARSON				1	1	6	2	1	14	3	1	1	3	1	2			1
LA PLATA	99	135	118	110	103	104	108	179	199	131	67	54	3	10	40	38	43	13
LARIMER	1	1				1		4	8	1	28	2	10	4	1	9	3	20
LAS ANIMAS	202	286	205	221	296	384	413	326	222	14	7	78	1		1			
LINCOLN	2	2	1	5	2	2	1	2	18	11	14	21	23	41	41	12	2	
LOGAN	4	6	3	3	2	11	12	12	3	7	3	9	13	4	6			
MESA	2	12	12	13	25	89	156	209	225	14	11	41	4	11	16	77	4	47
MOFFAT	18	23	25	28	19	40	60	42	26	18	15	32	26	27	3	6	3	
MONTEZUMA	2	3	5	5	1	7	2	4	22	10	3	8	18	12	8	1		2
MONTROSE		3		2	1			1	2		1							
MORGAN	9	8	1	7	5	5	3	1	1	2	3	2	3	1	3	1		
PARK											2							
PHILLIPS	1			6	10	11	4	35	18	2	42	130	48		9			
PROWERS	2	4	4		5	5	6	3	5	2	3	1				1		
RIO BLANCO	51	82	47	83	92	95	107	95	205	118	107	71	54	36	44	17		4
RIO GRANDE														1				
ROUTT	5	12	1		1	6	3	2		2	1	2	4	2	2			
SAN MIGUEL	6	9	10	19	28	13	20	17	5	1	2	2			2			
SEDGWICK			1	2	1	1	5				3	8	3			1		
WASHINGTON	15	12	24	29	65	34	23	14	11	2	2	4	1	9	7	2	6	5
WELD	237	403	406	522	632	718	931	1,222	1,312	878	1,209	1,671	1,459	1,314	1,556	1,114	745	665
YUMA	42	162	108	106	144	597	593	445	336	27	213	106	16	13	39			
TOTAL	992	1,472	1,254	1,630	2,092	3,004	3,542	4,048	4,459	2,071	2,779	3,216	2,297	1,977	2,238	1,478	986	921

ALL COUNTIES





Active Wells by County and Status as of July 3, 2017

COUNTY	Drilling	Domestic	Injecting	Producing	Shut In	Temp Aband	Waiting on Completion	Active Storage	Total Active Wells
ADAMS	16		6	766	141	15	1	12	957
ARAPAHOE	3	1	5	120	22	11		44	206
ARCHULETA		5	1	109	14	12	6	1	148
BACA			9	97	21	18		56	201
BENT		1		27	6	3			37
BOULDER				302	7	1			310
BROOMFIELD				89	4				93
CHEYENNE			42	313	18	43	1		417
CROWLEY									0
DELTA				3	13		1		17
DENVER				45	3	1	3		52
DOLORES			2	31	6	1			40
EL PASO		1				1			2
ELBERT	1			67	2	3	1	1	75
FREMONT	2	3		58	7	7	2		79
GARFIELD	234	3	48	10,663	197	89	65	1	11,300
GUNNISON	3		2	30	10		3		48
HUERFANO			1	36	5	6			48
JACKSON	15		24	102	57				198
JEFFERSON				1	1		1	3	6
KIOWA			11	99	12	2	2		126
KIT CARSON		1	2	11		2			16
LA PLATA	2	7	33	3,079	136	29	3	34	3,323
LARIMER	22	2	20	183	29	21	1		278
LAS ANIMAS	1	4	17	2,709	55	116	12	21	2,935
LINCOLN	2	1	10	93	12	2			120
LOGAN			24	102	27	32		31	216
MESA	44	1	12	901	110	26	11	11	1,116
MOFFAT	1		11	447	67	36	7		569
MONTEZUMA	2	1	7	118	25	14		1	168
MONTROSE								1	1
MORGAN			17	79	94	34		81	305
OURAY		1				1			2
PARK									0
PHILLIPS			4	263	3	2			272
PITKIN								10	10
PROWERS				21	4	3			28
RIO BLANCO	31	3	297	2,169	249	133	7	2	2,891
ROUTT		2		26	10	3			41
SAN MIGUEL	1			72	42	14			129
SEDGWICK	2	1	1	13	3		2		22
WASHINGTON	6		22	372	50	8	1		459
WELD	1,089	1	60	18,809	2,971	474	60	5	23,469
YUMA	2	8	24	3,745	76	7	12	1	3,875
Totals	1,479	47	712	46,170	4,509	1,170	202	316	54,605



Monthly Statistics as of July 3, 2017

Page 1 of 2

YEAR and MONTH	Baker - Hughes Rig Count	Permits										Well Spud Notices	Active Drilling Permits	Active Wells	Public Visits		
		Drilling		Recompletion		Injection		Pits		Locations					Data	Office	Internet
		Rcvd	Apvd	Rcvd	Apvd	Rcvd	Apvd	Rcvd	Apvd	Rcvd	Authz						
2011 TOTAL		4,709	4,659	325	320	44	32	190	192	2,382	2,267	3,216			187	1,294	1,337,865
2012 TOTAL		3,982	3,773	154	168	63	44	114	84	1,373	1,293	2,297			159	1,305	1,324,443
2013 JAN	53	538	331	6	0	3	5	6	8	176	124	141	5,060	50,265	9	108	47,406
FEB	56	260	455	10	5	2	3	4	11	91	141	139	5,250	50,372	7	102	40,649
MAR	57	344	241	5	9	3	8	15	6	129	84	172	5,093	50,540	9	133	43,019
APR	61	331	333	6	5	5	5	6	8	146	117	162	4,925	50,687	3	132	46,459
MAY	61	350	342	8	6	6	6	10	7	106	142	162	5,110	50,810	3	123	45,215
JUN	62	349	273	2	8	8	8	5	3	114	85	145	5,273	50,909	8	122	41,015
JUL	68	864	304	11	4	9	2	9	5	218	91	160	5,070	51,091	7	154	45,558
AUG	69	232	291	6	4	3	2	4	1	35	76	206	5,200	51,255	20	130	44,722
SEP	69	212	362	9	5	10	9	3	19	56	109	164	5,185	51,407	5	105	41,256
OCT	72	319	376	5	9	7	5	1	8	67	88	238	4,967	51,598	5	135	45,151
NOV	69	346	353	4	13	7	4	2	27	67	85	163	5,141	51,711	12	119	38,903
DEC	64	336	367	2	4	4	6	2	3	63	71	125	5,129	51,737	4	93	32,381
2013 TOTAL		4,481	4,028	74	72	67	63	67	106	1,268	1,213	1,977			92	1,456	511,734
2014 JAN	62	278	232	3	2	3	4	14	8	90	43	171	4,926	51,840	1	90	46,150
FEB	61	284	297	6	4	1	1	3	1	91	94	149	5,051	51,847	12	113	43,408
MAR	62	367	329	4	6	7	1	6	6	110	88	183	4,997	51,952	16	140	46,620
APR	63	276	317	2	3	2	5	8	3	89	99	171	4,897	52,060	11	188	45,558
MAY	65	458	383	2	2	3	1	6	7	83	94	180	4,923	52,202	18	131	42,365
JUN	67	429	377	3	0	6	7	5	2	134	92	222	4,924	52,337	10	156	42,518
JUL	69	272	446	2	5	3	11	8	5	97	126	181	4,955	52,431	7	166	45,481
AUG	73	376	259	4	3	4	4	3	4	111	87	218	5,060	52,582	8	145	42,431
SEP	76	412	304	2	3	3	1	20	1	116	81	214	5,006	52,694	14	175	43,577
OCT	76	459	371	3	2	9	2	4	6	93	109	191	4,827	52,785	19	138	46,030
NOV	73	326	479	5	2	5	4	4	0	54	103	168	5,171	52,947	8	96	39,583
DEC	69	286	397	1	2	2	7	1	2	45	99	190	5,236	53,054	6	144	37,964
2014 TOTAL		4,223	4,191	37	34	48	48	82	45	1,113	1,115	2,238			130	1,682	521,685
2015 JAN	64	349	316	3	1	2	9	3	1	60	43	191	5,060	53,195	17	114	41,502
FEB	49	324	161	3	2	5	6	9	0	73	28	115	4,750	53,309	4	117	38,245
MAR	38	246	294	1	6	1	5	7	5	44	70	166	4,983	53,414	6	146	42,513
APR	37	194	165	3	1	2	5	1	2	46	37	94	4,854	53,456	1	125	39,559
MAY	39	324	190	1	4	2	6	8	0	41	44	108	4,632	53,535	5	113	unavailable
JUN	38	327	281	4	1	0	5	2	1	52	49	143	4,726	53,608	5	138	unavailable
JUL	38	373	250	4	2	2	1	0	0	57	48	120	4,663	53,706	7	145	26,975
AUG	37	289	300	2	6	3	0	5	5	32	46	121	4,847	53,766	2	109	30,674
SEP	33	242	312	3	1	1	7	0	3	59	49	100	4,953	53,806	4	146	31,642
OCT	30	372	223	2	2	3	1	1	0	54	51	108	4,694	53,898	12	119	33,199
NOV	31	190	254	6	2	4	3	1	0	21	49	117	4,765	53,719	7	105	29,112
DEC	25	275	242	1	5	3	6	1	0	42	43	85	4,594	53,652	3	112	25,659
2015 TOTAL		3,505	2,988	33	33	28	54	38	17	581	557	1,468			73	1,489	339,080
2016 JAN	22	250	126	1	0	3	5	0	0	34	9	71	4,528	53,698	2	118	30,105
FEB	20	205	227	3	0	3	2	44	2	31	39	66	4,599	53,723	8	115	28,611
MAR	17	268	268	0	0	2	2	5	0	34	36	68	4,530	53,710	3	132	30,902
APR	17	185	224	0	1	3	4	0	0	24	39	63	4,511	53,774	4	113	27,914
MAY	16	353	217	0	2	3	1	1	1	33	24	84	4,464	53,749	4	106	26,778
JUN	16	315	233	0	0	2	3	2	1	38	30	63	4,456	53,651	2	80	27,284
JUL	20	268	249	5	0	4	4	6	6	31	30	84	4,344	53,724	5	91	24,151
AUG	21	141	150	1	3	5	3	2	0	33	23	92	4,436	53,740	1	106	29,192
SEP	19	366	270	0	2	4	2	0	6	29	24	72	4,522	53,817	4	154	25,698
OCT	19	334	297	6	1	6	3	1	0	42	29	89	4,601	53,903	1	135	25,893
NOV	20	368	304	3	3	3	3	0	1	40	45	131	4,566	53,993	2	97	25,140
DEC	26	342	267	1	4	7	5	1	2	48	25	103	4,477	54,036	5	92	23,449
2016 TOTAL		3,395	2,832	20	16	45	37	62	19	417	353	986			41	1,339	325,117
2017 JAN	28	442	211	8	2	2	2	0	0	42	25	131	4,492	54,111	6	79	28,702
FEB	26	701	263	2	4	4	3	0	0	62	38	137	4,543	54,194	1	97	27,715
MAR	28	510	423	2	2	7	4	3	24	71	48	171	4,714	54,322	1	152	31,952
APR	29	352	301	5	4	3	7	1	2	41	54	119	4,635	54,369	1	103	30,406
MAY	31	307	367	4	3	1	6	1	28	41	55	160	4,899	54,369	5	94	36,109
JUNE	36	493	331	3	2	6	1	1	1	58	40	162	4,947	54,605	5	109	30,644
2017 TOTAL		2,805	1,896	24	17	23	23	6	55	315	260	880			14	525	154,884

Abbreviation Key: Rcvd = Received, Apvd = Approved, Authz = Authorized



Oil and Gas Staff Report

July 24, 2017

Monthly Statistics as of July 3, 2017

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YEAR and MONTH	Well Oper Change	Operators		Bonds				Hearings		Enforcement			Remediation Projects		Inspections				
		New	Inactive	Release	Claim	Ind	Blnt	Replace	Ind	Blnt	Apps.	Orders	NOAVs	AOCs	OFVs	Cmplt	Spills	Rcvd	Comp
2011 TOTAL	6,743	33	31	79	44	43	4	4	403	349	230	10	19	247	527	726	536	12,394	-
2012 TOTAL	7,546	47	37	70	46	33	3	0	482	396	157	9	2	244	402	690	641	19,071	12,670
2013 TOTAL	7,192	49	21	48	26	20	0	0	571	522	237	37	3	201	568	507	541	23,551	13,370
2014 TOTAL	10,298	55	28	42	39	13	1	1	698	598	179	43	4	243	786	596	502	34,208	18,982
2015 TOTAL	4,440	59	27	27	45	31	3	3	738	645	173	57	8	358	623	516	601	38,957	19,198
2016 TOTAL	6,464	38	28	37	41	23	9	5	473	397	107	43	7	261	528	461	600	43,134	23,123
2017 TOTAL	1,807	20	16	9	21	10	1	4	401	332	43	24	2	512	309	252	131	17,328	9,015

Abbreviation Ind = Individual, Blnt = Blanket, Apps = Application for Hearing, NOAV = Notice of Alleged Violation, AOC = Administrative Order of Consent, OFV = Order Finding
 Key: Violation, Cmplt = Complaint, Comp = Completed