



Staff Report

April 16, 2012

I. STATISTICS

Our monthly statistics and permit activity report are on pages 18-29. These statistics include the permit and location assessment information previously included on the first page of the staff report.

II. NORTHWEST COLORADO

◆ Northwest Colorado Oil and Gas Forum

The Northwest Colorado Oil and Gas Forum (Forum) is an informal gathering of local, state, and federal government officials, oil and gas industry representatives, and citizens that have met regularly since 1989. The purpose of the Forum is to share information about oil and gas development in northwest Colorado and to make government officials and oil and gas industry representatives easily accessible to the public. Currently the meetings are conducted once per quarter and are co-chaired by the COGCC's Acting Director, Thom Kerr, and Garfield County Commissioner, Mike Samson.

The next meeting is scheduled for June 1, 2012, at 10:00 am. The venue will be announced through the release of the agenda for the June meeting.

All parties wishing to be placed on the meeting agenda should contact Chris Canfield at 970-625-2497 or via email at: chris.canfield@state.co.us.

Project Rulison

A third party independent review of the Rulison Project radiological monitoring reports produced under the Rulison Sampling and Analysis Plan (RSAP) was completed by M.H. Chew and Associates, Inc (Chew). Results of the review verified that no radioactive material associated

with the Project Rulison nuclear test has been found in samples associated with the commercial exploration and production of natural gas. The report can be found in the COGCC Library under Project Rulison Area.

Project Rio Blanco

Plugging and abandonment (P&A) of WPX Energy's Government 398-10-1, API# 05-103-08914, occurred during the weeks of February 20 and 27, 2012. The P&A activities were witnessed by Kris Neidel, COGCC NW Field Inspector, and Mr. Robert Morris of Chew on behalf of the COGCC. On February 24, 2012, Mr. Morris observed water sampling activities performed by URS with respect to objective criteria in Version 1 of the Rio Blanco Sampling and Analysis Plan (RBSAP). All observed sampling activities conformed to the RBSAP and no adverse findings or observations were made.

Garfield County Greenprint for Conservation and Economic Opportunity

COGCC staff participated in a meeting of the technical advisory team on water quality supporting a "greenprint" project for Garfield County. The greenprint will be a conservation plan for county-wide open space. The project is sponsored by Garfield County, Great Outdoors Colorado, Aspen Valley Land Trust, and others.

III. SOUTHWEST COLORADO

◆ Gas and Oil Regulatory Team (GORT) Meeting

The next GORT/Southwest Colorado Oil and Gas Stakeholders meeting is scheduled for April 19, 2012, at 8:30 am at the La Plata County Fairgrounds in Durango, Colorado.



All parties wishing to be placed on the next meeting agenda should contact Karen Spray at: 970-259-1619 or karen.spray@state.co.us.

◆ Fruitland Formation Outcrop Mitigation and Monitoring Projects (4M Projects)

Fruitland Formation Outcrop - 4M Pilot Scale Mitigation Projects La Plata County. The South Fork Texas Creek (SFTC) Mitigation system continued operation at approximately 11 Kilowatts (kW) power generation. From January 29, 2012, through February 24, 2012, it operated approximately 80% of the time. Approximately 2.9 kW of power is returned to the grid at this operating rate. Gas continues to be collected and vented at the Pine River Ranches (PRR) location. Methane concentrations currently average 99% at SFTC and less than 1% at PRR. Operations & Maintenance activities are continuing.

4M Monitoring Wells La Plata and Archuleta Counties. There are 17 wells at 11 locations in the COGCC 4M monitoring program. Well pressures are monitored remotely via satellite telemetry with one or two maintenance visits per year, depending upon data received. A surface use agreement that allowed access to the Beaver Creek Ranch locations was not renewed by the landowner and access to this site is currently restricted. COGCC staff are evaluating other potential access routes and are assessing the potential need to plug and abandon the wells should reliable access not be obtained. Discussions are ongoing.

◆ Ongoing Investigation, Reclamation, and Mitigation of Residual Methane in the Vicinity of the Bryce 1-X Well Area, Bondad, Colorado

The next sampling date is scheduled for April 2012.

IV. NORTHEAST COLORADO

◆ Other E&P Waste Disposal Options

COGCC staff recently identified numerous incidents involving the improper management of tank bottoms in northeast Colorado. Operators are reminded that tank bottoms, workover fluids, pigging wastes from gathering and flow-

lines, and natural gas gathering, processing, and storage wastes are considered "Other E&P Waste" and must be managed in accordance with Rule 907.f., which states that these types of wastes may be treated or disposed as follows:

- Disposal at a commercial solid waste disposal facility;
- Treatment at a centralized E&P waste management facility permitted in accordance with Rule 908;
- Injection into a Class II injection well permitted in accordance with Rule 325; or
- An alternative method proposed in a waste management plan in accordance with Rule 907.a.(3) and approved by the Director.

Neither the use of tank bottoms or other oily waste for stabilizing sandy or loose soils nor the intentional dumping of tank bottoms or other oily waste, which results in an impact to site soils, are acceptable land treatment alternatives. However, land treatment of oily waste is allowed by Rule 907.e. with certain requirements set forth in Rule 907.e.(2).

◆ Baseline Water Quality Sampling

COGCC environmental staff responded to, or are in the process of responding to, requests for baseline water quality sampling in Elbert, Douglas, Rio Grande, and Weld Counties. These requests are being tracked as complaints in the COGCC database under the baseline sampling request category. Staff also provided concerned landowners with information about the COGCC permitting and regulatory process, as well as an overview of the current level of activity in the area. Results of these investigations are summarized and provided to landowners after laboratory analyses are complete. These data are also entered into the COGCC water quality database.

As of March 27, 2012, there is one approved permit in Elbert County for a vertical well in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 10, Township 6 South, Range 64 West, and one pending permit in Rio Grande County in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 24,



Township 39 North, Range 5 East. There are no pending or approved permits in Douglas County.

Preliminary assessment of data indicates that water quality is good. Three of the 26 sampled wells contained methane concentrations sufficient for isotopic analysis. These analytical results are pending. A written report summarizing the results of the analyses of baseline water sampling in Elbert and Douglas Counties from the Dawson and Denver aquifers will be prepared. This report will include a compilation of analytical and isotopic results for samples collected by the COGCC from 26 domestic wells including location information and well construction information and an assessment of available water quality data from the USGS National Water Information System (NWIS) for Elbert County. Upon completion, this report will be placed in the Library section of the COGCC website.

V. SOUTHEAST COLORADO

◆ Methane Investigation Monitoring, and Mitigation Plan (MIMMP) - Huerfano County

Petroglyph Energy Inc. (PEI) has completed plugging their CBM wells in Huerfano County.

Phase 2 Operations

PEI shut down operations of the Phase 2 reinjection system in September 2011. Gas Seep monitoring at two locations is expected to be completed this spring.

◆ U.S. EPA Raton Basin Hydraulic Fracturing Study - Las Animas and Huerfano Counties

Analytical data from the October 2011 sampling and analysis program is expected to be reviewed by EPA and contractors and then to be made public at some point this spring. Follow-up sampling is expected to occur in early May 2012.

VI. ORGANIZATION

An organizational chart can be found on pages 14-16. For contact information, please go to

our website and click on "Contacts" on our homepage, and then "Staff Contact Information."

VII. PLANNING/ADMINISTRATION/OTHER

◆ Consultations with the Colorado Division of Wildlife and the Colorado Department of Public Health and Environment

According to Rule 306.c.(1), the Commission must consult with the Colorado Division of Wildlife (DOW) (now Colorado Parks and Wildlife) when: 1) an operator requests a modification of an existing Commission order to increase well density to more than one well per 40 acres; 2) a consultation is required in accordance with the 1200-series rules; 3) an operator requests a variance from a provision in the 1200-series rules; or 4) if DOW requests a consultation due to the presence of a federally listed threatened or endangered species. Correspondence regarding wildlife consultation should be submitted to:

Dean Riggs
Assistant Regional Manager - Northwest Division
711 Independent Avenue
Grand Junction, CO 81505

Similarly, Rule 306.d.(1)B requires the Commission to consult with the Colorado Department of Public Health and Environment (CDPHE) when an operator requests a modification of an existing Commission order to increase well density to more than one well per 40 acres. Operators should direct all documents submitted in this regard to:

Kent Kuster
Oil & Gas Consultant Coordinator
CDPHE
4300 Cherry Creek Drive South
Denver, CO 80246-1500

◆ Public Outreach Opportunities

On March 3, 2012, Dave Andrews, Western Colorado Engineering Supervisor, Linda Spry O'Rourke, Northwest Environmental Protection Specialist, Dave Kubeczko, Northwest Oil and Gas Land Assessment Specialist, and Chuck Browning, Northwest Inspector, participated in



an Oil and Gas Public Information Meeting sponsored by the Natural Gas Collaborative Group in Paonia. The day-long event was moderated by Delta County Commissioners and included morning presentations by representatives of the Colorado Geological Survey, BLM, and Delta County in addition to the COGCC. Topics covered included geology of the North Fork Valley, leasing and permitting processes, an overview of air issues and COGCC regulations regarding drilling, hydraulic fracturing, chemical disclosure, location assessment, surface and groundwater protection and spill reporting, remediation, and reclamation. Land issues related to split estate and mineral ownership research were also presented by BLM and a former land/mineral rights attorney. Question and answer sessions were held by all the speakers during the afternoon event. Approximately 140 interested attendees spent the day at this event.

On March 4, 2012, Thom Kerr, Acting Director, spoke to the League of Women Voters at Smokey Hill Library on the topic of Drilling Fracing.

On March 7, 2012, Thom Kerr presented at a leadership training class at Castle Pines North Community Center. The topics covered leasing, exploration and development of the oil and gas resources in Douglas County area.

On March 8, 2012, Stuart Ellsworth, Engineering Manager, spoke to the Northern Colorado American Society of Civil Engineers in Fort Collins, to explain the COGCC rules related to hydraulic fracturing, basic well construction to protect fresh water, COGCC rules related to isolation of downhole fluids, E&P Waste management and reclamation.

Karen Spray, Southwest Environmental Protection Specialist, presented at the "Fracking in La Plata County and Colorado" forum hosted by the League of Women Voters of La Plata County in Durango, Colorado on March 12, 2012. COGCC Commissioner Tom Compton and La Plata County Commissioner Kellie Hotter were in attendance.

Peter Gintautas, Southeast Environmental Protection Specialist, participated in a planning meeting for the Town of Aguilar's Source Water Protection Plan on March 21, 2012.

On March 22, 2012, Stuart Ellsworth and John Axelson, Staff Environmental Specialist, spoke to the Northern COGCC and HF Criminal Investigation Attorney General in Denver, to explain the COGCC rules related to hydraulic fracturing, basics of freshwater protection during well construction, COGCC rules related to isolated of downhole fluids, E&P Waste management and reclamation.

Karen Spray participated in the Northern San Juan Basin Stakeholders meeting on March 28, 2012, in Bayfield, Colorado.

On March 28, 2012, Nancy Prince, Permit/Completion Technician, held an eForms and COGCC website training session with Diana May, Local Government Designee for El Paso County.

On March 31, 2012, Thom Kerr presented at the Mission Viejo Library, Senator Williams and Representative Todd's Town Hall Meeting on the topic of regulations and practices protecting public health safety and welfare regarding drilling and hydraulic fracture treatments.

Mike Leonard, South Colorado Field Inspection Supervisor, presented an overview of the COGCC to the Southeast Business Retention, Expansion and Attraction (SEBRA) organization on Thursday, April 5, 2012, at the Otero Junior College Campus in La Junta.

On April 5, 2012, Thom Kerr presented at the Metro Water Round Table at the Tivoli Center regarding water use by industry; volumes and rights today and in the future.

On April 6, 2012, Margaret Ash, Field Inspection Manager, participated in a panel discussion with the Castle Rock Economic Development Council. Other participants included staff from Black Hills Energy and Anadarko Petroleum.

On April 10, 2012, Stuart Ellsworth spoke to the Larimer County Department of Health and Environment in Fort Collins, to explain the COGCC



rules related to hydraulic fracturing, basics of freshwater protection during well construction, COGCC rules related to isolation of downhole fluids, E&P Waste management and reclamation.

On April 12, 2012, Thom Kerr made a presentation to the Regional Economic Advancement Partnership (REAP) on the COGCC and Local Government Rulemaking at REAP's monthly meeting held at the Front Range Airport in Watkins, Colorado.

◆ How Well Do You Know Your Water Well

The ever popular brochure *How Well Do You Know Your Water Well* has been updated and revised to include information about mitigating methane in water wells, current contact information for various agencies, and water well maintenance and record keeping. Water well owners are provided this useful brochure when water samples are collected from their wells by COGCC staff, operators, or third party contractors. The update project was initiated by COGA with support from the COGCC and cooperation of the Colorado Department of Public Health and Environment and the Department of Water Resources. Copies of the updated brochure have been provided to the COGCC Commissioners. An electronic version of the brochure is available in the Library section of the COGCC website.

◆ New Policy - COGCC Directional Survey Electronic Data Submittals

The COGCC has been working with industry and its IT developers to formulate a methodology to electronically report directional well bore locations. The tactic was to make the reporting process work for plans submitted at the time of permitting and for the final as-drilled survey data. The last stakeholder meeting was on October 26, 2011, and we went over the Internet reporting application, the standardized format, and the reporting and filing process. We have met and discussed this with industry engineering and regulatory representatives, the directional drilling companies, the data vendors, and agency IT staff.

With all of this accomplished, a new policy to require that all directional and horizontal well permits and completion reports include electronically submitted directional surveys and plans has been created and will go into effect January 1, 2012. This will allow mapping the entire wellbore path, providing a more accurate picture of where these wells are being proposed and drilled. The new COGCC Policy for Electronic Submittal of Directional Surveys and Plans is available for download from the "POLICIES" page on the COGCC website.

◆ Onsite Inspection Policy

The COGCC has received a total of 147 requests for onsite inspections to date under the Policy For Onsite Inspections On Lands Where The Surface Owner Is Not A Party To A Surface Use Agreement Policy, effective for Applications for Permits-to-Drill (APDs) submitted after February 15, 2005.

Thirty-two onsite inspections have been conducted, while 97 requests for inspections have been withdrawn. Sixteen onsite inspections are pending and will be scheduled, if necessary, after the Application for Permit-to-Drill (APD) is received, or after issues related to local governmental designee consultation, location change, or surface use agreements are resolved.

Of the 147 requests for onsite inspection, 81 were for locations in Weld County, 26 in Las Animas County, 9 in Adams County, 7 in La Plata County, 5 in Garfield County, 3 each in Archuleta, Boulder, Logan, and Yuma Counties, 2 in Morgan County, and 1 each in Baca, Cheyenne, Kiowa, Larimer, and Washington Counties.

COGCC staff have attended on-site meetings to facilitate communication between the parties and to minimize impacts to the surface owner through voluntary measures implemented by the operator in instances where surface owners have requested Onsite Inspections beyond the 10 business-day window provided for in the Policy, and where there is a dispute between parties regarding the date of the Rule 306 consultation.



In addition to the Onsite Inspection Policy, onsite inspections are being conducted in the San Juan Basin under Cause 112, Order Nos. 156 and 157. These are cases where an Onsite Inspection was required because an APD was submitted without a surface use agreement.

◆ Environmental Water Quality Database

A project to migrate analytical data to the SQL-server database was initiated in early 2011. The project is tasked with identifying new processes to allow for electronic submission of analytical data that are required by a variety of rules and orders and that are collected in support of investigations, spill/release responses, and remediation activities. The COGCC and the Groundwater Protection Council (GWPC) are working cooperatively on this project. COGCC and the GWPC anticipate having a standardized electronic data deliverable (EDD) format available to facilitate electronic data submission in the near future. The interface for entering field data, location data, and facility information will be similar to the e-Form applications used for other electronic submittals.

◆ Voluntary Baseline Groundwater Quality Sampling Program

The Colorado Oil and Gas Association (COGA), in cooperation with COGCC, developed a Voluntary Baseline Groundwater Quality Sampling Program that was finalized in November 2011. The program went into effect January 1, 2012. It is open to all oil and gas operators throughout the state and provides a standardized program for baseline sampling and analysis of domestic water wells and other groundwater features such as seeps and springs. Data generated from the sampling program and the results will be submitted to the COGCC and used to determine if impacts to groundwater related to oil and gas operations have occurred. The Voluntary Program does not exempt oil and gas operators from the mandatory baseline groundwater monitoring required in the Greater Wattenburg Area by Rule 318A.e.(4), or Rule 608.b. requirements for Coalbed Methane Wells or other existing field-wide orders for groundwater sampling.

During 2011, several oil and gas operators performed voluntary baseline groundwater sampling and provided analytical data to COGCC. These operators were active in development of the Niobrara Formation in northern Weld County and collected samples from a number of domestic water wells.

◆ Plugging and Reclaiming Abandoned Wells (PRAW) - Project Status

On page 17 is a spreadsheet listing PRAW projects for Fiscal Year 2011-2012 that are planned (work has not yet commenced, awaiting cost estimates), in progress (bids have been solicited and some field work may have been performed), or completed. Work has resumed plugging the 2 remaining DeBeque orphan wells. One more well needs to be plugged.

◆ May 2012 Hearing Docket

A docket for the May 2012 hearing will be available shortly after the April hearing. Hearing dockets are available on our website by clicking on "Hearings." Links to the notices and hearing applications are available from the Docket Number and Applicant, respectively. To sign up for e-mail notification of hearing notices and applications, please see the announcement and instructions on the homepage of the COGCC website at: colorado.gov/cogcc.

◆ Colorado Oil and Gas Information System ("COGIS")

COGIS is made up of many different components that are used by the COGCC, staff, industry, government agencies and many others.

➤ Internet

The COGCC determined it was most cost effective to develop applications and information in an Internet-available format. This allows for the same tools to be utilized in different environments, thus eliminating the re-creation of applications. The Internet connection was moved to a new network structure which provides a much more secure environment. The following are tabs on the Internet menu bar:

* General

This page has links to basic information con-



cerning the COGCC, its function, and oil and gas development in Colorado.

* **Contacts**

This page has links to people and agencies that are involved with oil and gas regulation and related issues in the state. The page also contains phone lists and geographic areas of responsibility for COGCC staff.

* **Library**

This page contains links to documents resulting from COGCC studies, activity reports, and statistical downloads. The annual statistics and the weekly/monthly statistics are available here.

* **Hearings**

This page has links to the current and previous hearing schedules, which allow for review of the dockets, agendas, applications and their outcome. It also has information that is useful when considering filing an application for hearing or finding information about Commissioners.

* **Rules**

This page contains links to the COGCC statute, Rules and Regulations, and policies.

* **Policies**

This page contains links to COGCC policies.

* **Orders**

This application provides searchable capability of the COGCC's orders. The search by location is still under construction as we create the map layers for all spacing orders.

* **Forms**

All forms are available as Adobe Acrobat documents that can be downloaded, completed, printed and mailed; some are available as Excel and Word documents. Some example and instruction documents are viewable. The forms used by operators to submit information on location of wells and completion reports have been modified to accept latitude and longitude data. Eventually, online forms will be available here, but the exact time frame is unknown.

* **Staff Report**

Current and previous staff reports are viewable here.

* **Permits**

This application shows the last 12 months of

approved permits and current pending permits; it may be filtered by county.

* **News/Media**

This category provides general information to the media. It contains statistics, charts, graphs, and other items of interest.

* **Database**

This application enables users to query well, production, and operator information. These queried databases contain the most current set of data and are updated throughout the day.

* **Local Gov**

This application provides database searches for local government contact information and oil and gas activity within a selected area.

* **Images**

This application is an interface to the COGCC's historical paper files. All well files, logs, and hearing files have been scanned. This application is not user friendly and the preferred method is to use the database queries and click on the "docs" icon for wells and other facilities, or to use the Orders application.

* **Maps**

The Maps tab takes interested parties to the COGCC GIS Online page. From that page an Interactive map of the State of Colorado can be accessed by clicking on View Map. GIS specialists can also download GIS Shapefiles from a link on the GIS Online page. The COGCC is grateful to the many agencies that have contributed data to our GIS Online map, including BLM, State Land Board, Division of Water Resources, Colorado Geologic Survey, CDPHE, NRCS, and others.

The Interactive map (GIS Online) was designed to display COGCC well data, field boundaries, spacing orders, special rule areas, and other COGCC data along with more than 100 other map layers that are relevant to oil and gas operations. The map has proven to be a valuable tool for oil and gas permitting, and for researching COGCC's oil and gas data repository. Some of the more important layers are:

1. Oil and Gas Wells - All wells in the State displayed as red dots on the



map; a double click on any point opens the electronic informational "scout card" for that well.

2. Directional Bottomhole Locations - Points with leader lines to actual and planned bottomhole locations.
3. Permits - All valid oil and gas well permits in the State.
4. Pending Permits/Pending 2A Locations - Permit and Location applications that are currently under review by COGCC staff.
5. Field Boundaries - Polygon outlines of field boundaries.
6. Water Wells - Water well locations as mapped by the Division of Water Resources (DWR); this layer is updated monthly by DWR.
7. DOW Sensitive Wildlife Habitats and Restricted Surface Occupancy Areas.
8. Rule 317B Surface water, source water protection areas as mapped by CDPHE.
9. BLM data including Exploratory Units, Participating Areas, Subsurface Authority, Oil and Gas Leases, Lease Stipulations, etc.
10. State Land Board active leases.
11. Many Base Layers including roads, cities, towns, geology, soil surveys, topographic maps, and 2009 aerial photographs.

GIS Shapefiles that are available for download include: Well locations, Directional Bottom Hole locations, Oil and Gas Field Boundary polygons, Facilities locations (primarily pits), DOW Wildlife Habitats, Rule 317B Buffers, and a few other area-specific shapefiles.

Currently, GIS Staff are reviewing "As Drilled" location submittals for accuracy, and are completing development of a new version (MapGuide 2010) of the Interactive Map. The new version is available internally to staff and should be available to the public sometime this month.

Completed formations were added to Internet Map and the Fields Polygon shapefile in July 2011.

* Help

The Oil & Gas Activity Notification Tool allows a user to enter a section-township-range of interest which returns a table identifying which quarter-quarter sections are subject to Rule 317B, RSO areas, or SWH requirements. The user can then click on a link, which opens the map, and zoom to the section of interest for further inspection.

A tutorial document for the COGCC Interim Policy for APDs is posted in the Help area and the homepage of the website. This document helps explain the interim process that the COGCC used for processing APDs until the Final Amended Rules took effect. Included in the document are explanations on how to use the new tools and map layers that have been developed for the Final Amended Rules.

The COGCC, with assistance from the Ground Water Quality Protection Council, has produced two Macromedia Flash movies to help users understand the many features available within the COGCC GIS Online system. The movies are located by clicking on the HELP link from the main menu or by using the following link: http://colorado.gov/cogcc/COGIS_Help/Help.asp.

Two applications on the COGCC website are available to help operators with the entering of data relating to locations. The first, a Footage calculator, will take a new latitude and longitude and calculate new footage calls based on the location supplied at the time of permitting. The tool should only be used to compare locations where latitude and longitude were supplied on the permit as required by the December 1, 2005, rule change. The second application converts latitude and longitude as measured in degrees, minutes, and seconds into decimal degrees. The decimal degree format is what COGIS is expecting on all forms requiring lat/long coordinates.

The eForm Training Manual has been updated to include all of the forms available within the system. It can be found at http://cogcc.state.co.us/COGIS_Help/eFormtraining/eFormTraining.htm. A docu-



ment explaining the Local Government Designee process in eForm is now available in the Help section. The forms currently available in eform are: Applications for Permits-to-Drill (Form 2); Oil and Gas Location Assessment Form (Form 2A); Drilling Completion Report (Form 5); Completed Interval Report (Form 5A); Well Abandonment Report (Form 6); Earthen Pit Report/Permit (Form 15), and Bradenhead Test Report (Form 17).

➤ Local Area Network

COGCC staff are connected to services by a Local Area Network (“LAN”) connection which provides email and data-sharing capabilities. The LAN is connected to the Centennial Building at 1313 Sherman Street by a wireless interface; this connection provides access to the Internet and other state services. COGCC staff utilize the same applications in their work as Internet users, in addition to others outlined below.

* Database

The COGCC maintain a comprehensive database of regulated facilities (wells, pits, injection sites), incidents (inspections, complaints, spills), and affiliations (companies and contacts).

* Imaging

This application provides the capability to convert the paper documents received by the COGCC to electronically available documents.

* Form Processors

This set of applications allows users to input, route, edit, and update regulatory reports submitted by oil and gas operators.

* eForm

This application utilizes the same code base that industry uses to submit Applications for Permits-to-Drill (Form 2), Oil and Gas Location Assessment Form (Form 2A), Drilling Completion Report (Form 5), Completed Interval Report (Form 5A), Well Abandonment Report (Form 6), Earthen Pit Report/Permit (Form 15) and Bradenhead Test Report (Form 17). All of these forms are also being used by staff to input, route, edit, and update these forms internally.

* Geographic Information Systems (GIS)

These applications provide the capability to

create custom maps, convert survey calls to geographic coordinates, and convert and utilize geographic positioning system (GPS) data.

The GIS Administrator creates daily updates for the Internet map data downloads.

* COGIS Tools

This set of applications allows COGCC staff to correct data in the database in addition to performing specialized workflow administration.

➤ Remote Users

This is the final component of the COGIS system. This laptop system consists of Internet applications and other report tools necessary for COGCC field staff to facilitate data collection and provide information.

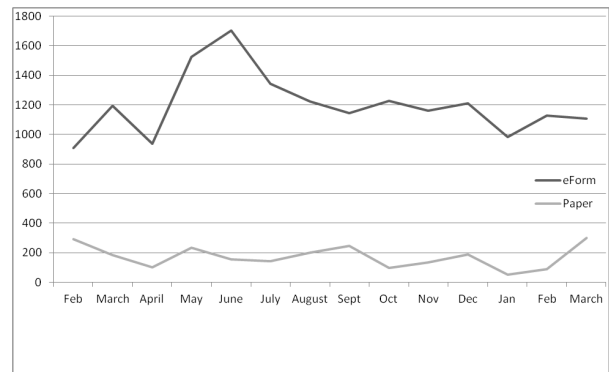
* Electronic Business

There are approximately 200 operators reporting production electronically.

◆ COGIS Projects, Updates and Changes

Electronic Form Submissions (eForm)

TOTAL ELECTRONIC FORM SUBMITTALS
FEBRUARY 2011–MARCH 2012



Forms currently available through eForm:

Form 2 - Application for Permit to Drill

Form 2A - Oil and Gas Location Assessment

Form 5 - Drilling Completion Report

Form 5A - Completed Interval Report

Form 6 - Well Abandonment Report

Form 15 - Earthen Pit Report/Permit

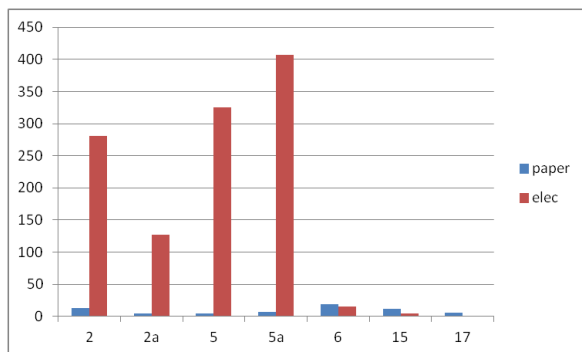
Form 17 - Bradenhead Test Report

Form 41 - Trade Secret Claim of Entitlement



Form 42 - Notice of Notification (Notice of Hydraulic Fracturing)

Following is a breakdown by form for the month of March:



Form 15, Pit Permit and Report, is now available in eForm and operators are encouraged to utilize the system to file this form. The form has some new fields added from the older version. The PDF version on the Forms page, <http://cogcc.state.co.us/Forms/forms.html>, has also been revised to reflect the changes that occurred from the release of the form in eForm.

The development of Form 10, Certification of Clearance and/or Change of Operator, is underway. Testing continues by the internal staff.

Form 4, the Sundry Notice, is undergoing additional design changes and development will start later this month.

As the new Form 41, Trade Secret Claim of Entitlement, and Form 42, Notice of Notification (Notice of Hydraulic Fracturing) were released to the operators, the forms became available in the eForm application. Instructions were released for Vendors on how to obtain credentials to use the eForm system to file Form 41 and are located on the Home page.

As forms are released on eForm, updates to the PDF forms on our website have not occurred. COGCC staff are currently starting to update the PDF forms that are available for paper submissions.

Along with the eForm system, a page is available where the operators can review all known

bugs within the system and report any new ones they discover. Currently there are 248 operators signed up to use eForm.

The public can make comments on all submitted Oil and Gas Location Assessment (OGLA) forms (Forms 2A) through the eForm system. This is accomplished by going to the COGCC website (<http://www.colorado.gov/cogcc>) and clicking on the menu option, "Permits", (or <http://cogcc.state.co.us/COGIS/DrillingPermits.asp>).

On the COGIS-Permits page, two search options are available for OGLA forms, "All Pending Location Assessments for" and "All Approved Location Assessments for." When the results are displayed for forms in process, the public can click on the document number, which logs the user onto the new eForm 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. The public can use this same method to make comments on APDs (Form 2s).

For any operator not currently enrolled in eForm, instructions for starting the process can be found at <http://cogcc.state.co.us/Announcements/COUInformation.pdf>

COGCC GIS Online

The latest version of the COGCC GIS Online is now available on the commission's website. This new version of the GIS site utilizes a different technology than the old site. The new technology eliminates the need for the user to download and install a plugin, which limited the browser that it could be used in to Internet Explorer. The new version will work with almost any browser.

LAS File Upload

All digital well logs submitted to the COGCC over the Internet are to be in LAS (log ASCII) format. In addition to the LAS file, a paper log file is still required. Additionally an operator can submit the same log file in a PDS format, but the PDS format cannot replace the LAS requirement. To submit digital well logs over the Internet, an application must be completed. The application is available from the "Forms"



page on the COGCC website <http://www.colorado.gov/cogcc>. To utilize the system, the operator will need to submit a Designation of Agent Form, Form 1A. COGCC staff are working with operators and logging companies to gain compliance with the digital log submission requirement. The rule still requires the operator to submit a paper copy of each well log (Rule 308A). All operators are required to be in compliance with this Rule for all wells completed since July 2004.

Spacing Orders Project

The spacing orders project has been completed for the first pass through the state. As new orders are issued, the map layers will be updated.

Historic Wells Mapping Project

COGCC's GIS staff obtained historic maps of the Florence Oil Field and had well locations converted to GIS formats. The GIS layer was added to the Field Inspectors' laptops so that they can look for these old wells on the ground. Any old wells located will be added to the COGCC database and evaluated for further actions, if necessary. A 1927 Map Image of the Boulder Oil Field was added to the Internal map to assist in identifying historic wells in the area.

VIII. VARIANCES

1. An exigent circumstances request, in accordance with Rule 303.l.(2) was approved on February 24, 2012, for Apollo Operating, LLC for the following Amended Oil and Gas Location Assessments (Form 2A): E.L. Minch 21-9, Location No. 423580, NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 9, Township 3 North, Range 68 West, 6th P.M. (Weld County) and E.L. Minch 24-4, Location No. 423582, SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 4, Township 3 North, Range 68 West, 6th P.M. (Weld County). Apollo requested to add two wells, the E.L. Minch 22-9D and the E.L. Minch 25-9D to the surface location for the E.L. Minch 21-9 Well, and two additional wells, the E.L. Minch 14-4D and the E.L. Minch 35-4D to the surface location for the E.C. Minch 24-4 Well. Rule 303.l.(2) allows the Director to issue a permit without notice or consultation "at any time in the event that an operator files a sworn statement and demonstrates therein to the Director's satisfac-

tion that: (2) due to exigent circumstances significant economic hardship to a drilling contractor will result or significant economic hardship to an operator in the form of drilling standby charges will result."

Apollo filed Amended Form 4's to change surface locations and sought expedited approval of its Form 2A's to drill multiple wells from a single pad. The exigent circumstances request will allow Apollo to drill all 3 wells on each pad at the same time, avoiding the economic hardship involved with drilling a single well and incurring standby charges while the 20 day comment period under Rule 305.c. elapsed.

Apollo included signed Rule 305.c. waivers from the surface owner and the Local Governmental Designee (LGD) with its request.

2. An Exigent Circumstance per Rule 303.l(2) was granted on February 22, 2012, for the following refile Application to Drill: Antero B-2 Gentry, Document 400237755, SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 17, Township 6 South, Range 92 West, Garfield County, Colorado.

On January 17, 2012, Antero Resources Piceance Corporation filed the permit application online via COGCC eForms. However, a computer error prevented the application from being processed. In an effort to expedite the approval of the re-filed Form 2, Antero waived its rights under Rule 305.d(1) and (2), and obtained Surface Owner and LGD waivers to Rule 305.c. Antero is currently moving a drilling rig to the wellpad, and will incur financial hardship in the form of rig standby charges if the request for approval without consultation is not granted.

3. On March 1, 2012, a Rule 502.b. Variance Request by Pioneer Natural Resources was approved by the Director. Pioneer requested a variance to certain parts of Rule 1101.e.(1), requiring annual pipeline testing of water gathering lines.

Pioneer uses a continuous pressure monitoring system at their Raton Basin Water Gathering Facility with satellite data uploaded in near-real time of pressure buildup or re-



lease. Continuous monitoring at more than 75 locations better enables Pioneer to ensure that flowlines operate below pipeline material and pipeline section specific pressure thresholds. Pipeline integrity is better ensured by continuous monitoring and offers a better approach to minimizing spills than annual testing. Annual reports on the effectiveness of the system will be submitted to COGCC staff with tabular reports on root cause analysis of pipeline related spills.

4. An Exigent Circumstance per Rule 303.l.(1) and 303.l.(2) was granted March 7, 2012 for the following Application for Permit to Drill and the corresponding Oil and Gas Location Assessment: Encana Melbon Ranch 3B-17H, Document 400256084, Encana Melbon Ranch, 62N 65W SW $\frac{1}{4}$ SW $\frac{1}{4}$, HZ Pad, Document 400256085, SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 17, Township 2 North, Range 65 West, Weld County, Wattenberg Field.

Encana currently has a rig in the same section drilling directional wells on 3 separate pads. Coordination of drilling and completion efforts will minimize surface disturbance and mitigate any risk or conflict associated with drilling and stimulation of the horizontal and directional wells. Consolidating operations will limit the impact to surface owners, whom prefer that all wells are drilled simultaneously. Noble will incur financial hardship in the form of rig standby charges if the request for approval without consultation is not granted.

5. The approval of a Southwestern Energy Production Co. well was expedited on February 29, 2012. Southwestern Energy Production requested issuance of permits with limited notice under rule Rule 303.l.(2), due to exigent circumstances, citing the need to have an approved permit to arrange and finalize drilling support services, contract a suitable drilling rig and construct the location. A suitable drilling rig that meets their standards is available prior to April 1, 2012, and would allow Southwestern Energy Production Co. to avoid significant economic hardship in the form of high mobilization costs. The horizontal drilling permits (pilot hole and lateral hole) and the corresponding oil and gas assessment were issued prior to the com-

pletion of the 20-day comment period. The well is the Ewertz Farms 1-58 1-26P, located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 26, Township 1 South, Range 58 West. The well is located in Adams County. The operator has provided the variance request addressed to the director and waivers from the LGD and Surface Owner.

6. Samson Resources Company filed a Request for an Exception to the location requirements, pursuant to Rule 603.e.(6), for the Melson 34-7-24 1 Well, located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 19, 34 North, 6 West, 6th P.M. Samson needed to place the well in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ corner of the SW $\frac{1}{4}$ NW $\frac{1}{4}$ section of Section 19 to avoid a wetlands area. The proposed location is only 80 feet from the nearest property line. Rule 603.a.(2) requires a minimum of 150 feet from a surface property line. Signed waivers from the Surface Owner and LGD were submitted with the request letter. On March 7, 2012, the letter was reviewed by Thom Kerr, Acting Director, and verbal approval was given.
7. Oxy USA WTP LP ("Oxy") submitted a surface casing cement report to COGCC Staff on December 20, 2011 for the Cascade Creek 697-09-04B Well, which is located in the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 4, Township 6 South, Range 97 West, 6th P.M. COGCC Staff reviewed cement characteristics and pressures shown in the cement report the following day to evaluate the likelihood that cement was present along the entire length of the surface casing. COGCC Staff's evaluation concluded that a significant gap of cement coverage was likely along the surface casing.

The surface casing cement program for the Cascade Creek 697-09-04B Well was generally consistent with the surface casing cement program for other wells on the same pad. Surface casing was set at a depth of 2,665 feet. Oxy reported pumping 1,070 sacks lead cement (12.3 pounds per gallon, 2.33 cubic feet per sack yield) and 170 sacks tail cement (12.8 pounds per gallon, 2.07 cubic feet per sack yield). Flowing casing pressure was 50 pounds per square inch (psi) at 2 barrels per minute prior to bumping the plug. Oxy bumped the plug at a pressure of 550 psi for 5 minutes, bled off the pressure, and the floats held, indicating that the cement did not "U-tube" back up the cas-



ing. Cement returns were not observed at surface, and therefore, it appears that the top of the cement column was lost to the formation.

Oxy proceeded with “topping-out” the surface casing cement, which is a common procedure for surface casing cementing in this area when cement is not returned to surface during the primary attempt. Oxy reportedly topped out with 35 barrels of cement, with 7 bbls top-out cement returned to surface. This top-out cement volume was significantly less than the volume expected by COGCC staff. COGCC staff required a cement bond log (CBL) on the surface casing to verify actual cement placement. Significant gaps in cement coverage are apparent on the CBL from 1,225 feet to 850 feet and 750 feet to 100 feet above the primary cement top.

COGCC staff suspects that the hole may have sloughed in towards the casing, creating a bridge for the top-out cement. As a result, cement is not present in a continuous column from the base of the surface casing to ground level, as required by Rule 317.h. However, based on a qualitative review, good to excellent cement bond is apparent on the CBL from the bottom of the surface casing to a depth of 1,225 feet. Fair to poor bond is present from 1,730 feet to 100 feet, except for a good bond interval from 850’ to 750’.

Oxy and COGCC Staff are concerned that attempts to squeeze remedial cement may compromise the integrity of the surface casing, which is set at a depth necessary to provide well control if gas kicks are encountered while drilling the production hole. Based on Oxy’s observations while drilling the surface hole, neither gas flows nor water flows were detected while drilling the surface hole, and therefore, crossflow of fluids behind the surface casing is not expected in the interval from 1,225 feet to 100 feet. Furthermore, Oxy pumped production casing cement from total depth to surface in a single stage with lead and tail. As a contingency in the event that cement was not circulated to surface during the single stage, a swellable packer was also set at 2,564 feet (100 feet above the surface casing shoe at 2,665 feet and 183 feet below the parasite string sub at 2,357’).

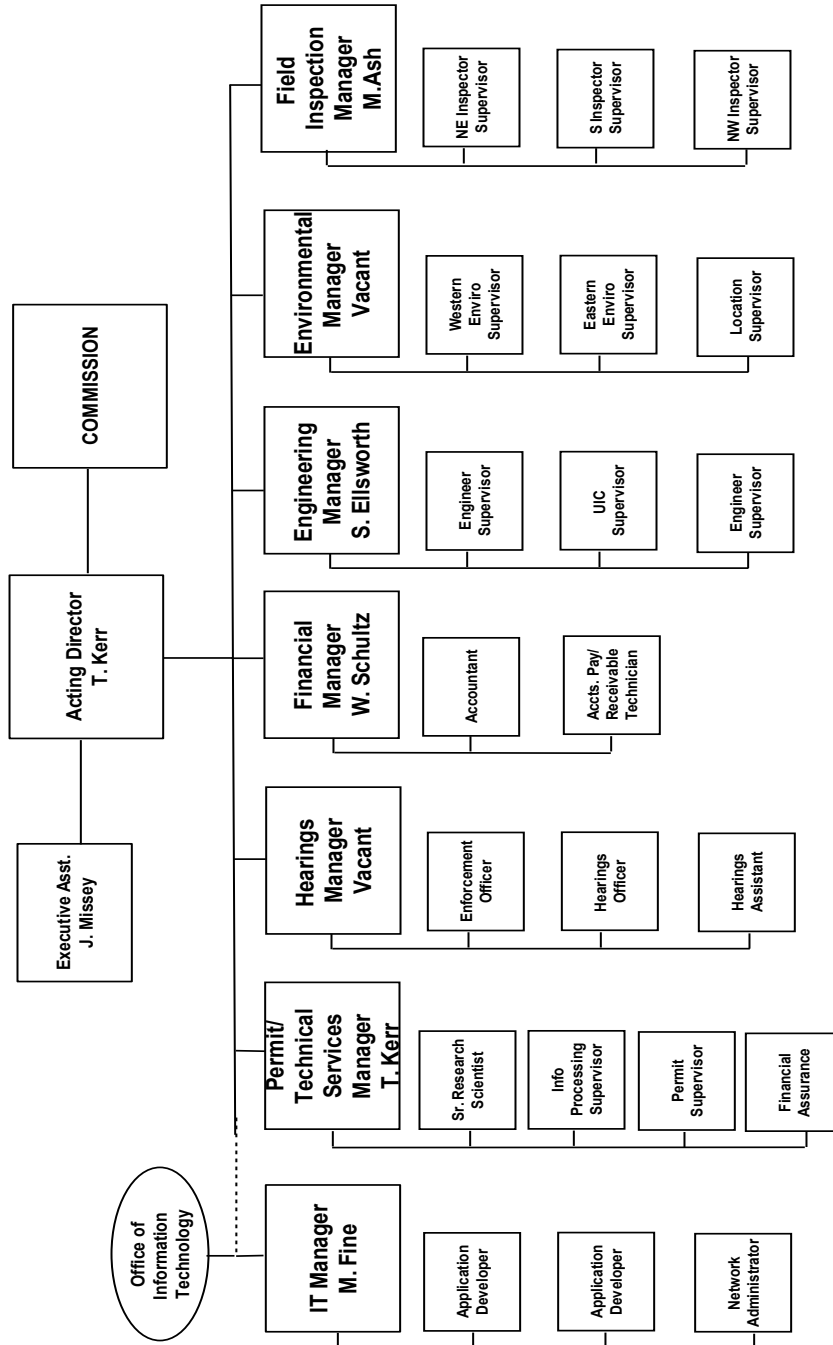
COGCC Staff granted Oxy a variance in accordance with Rule 502.b.(1) for the cement requirements of Rule 317.h. Oxy contends that the requested variance will not violate the basic intent of the Oil and Gas Conservation Act because environmental protection is provided with seals at the bottom and top of the surface casing, fluid crossflow is not expected behind the surface casing, and the production casing is cemented to surface.

8. On April 5, 2012, a Rule 502.b. Variance Request by Anadarko Petroleum Corporation was approved by the Director. Anadarko requested a variance from Rule 210.e. requiring updated well signs within 60 days upon approval of a change of operator.

Anadarko’s acquisition of Kerr-McGee will require a multi-step asset transfer process, resulting in 2 operator changes for over 6,500 Kerr-McGee wells - the first on September 1, 2012, and the second on January 1, 2013. For approximately 90 to 150 days, well signs will remain as Kerr-McGee Oil & Gas Onshore LP when, in fact, the operator of the wells will be an intermediate entity which is expected to be named KM Oil & Gas Onshore LLC. The contact information on the signs will be accurate at all times. Anadarko will update the well signs with the name of the ultimate operator, an Anadarko subsidiary, within 60 days of the final change of operator.



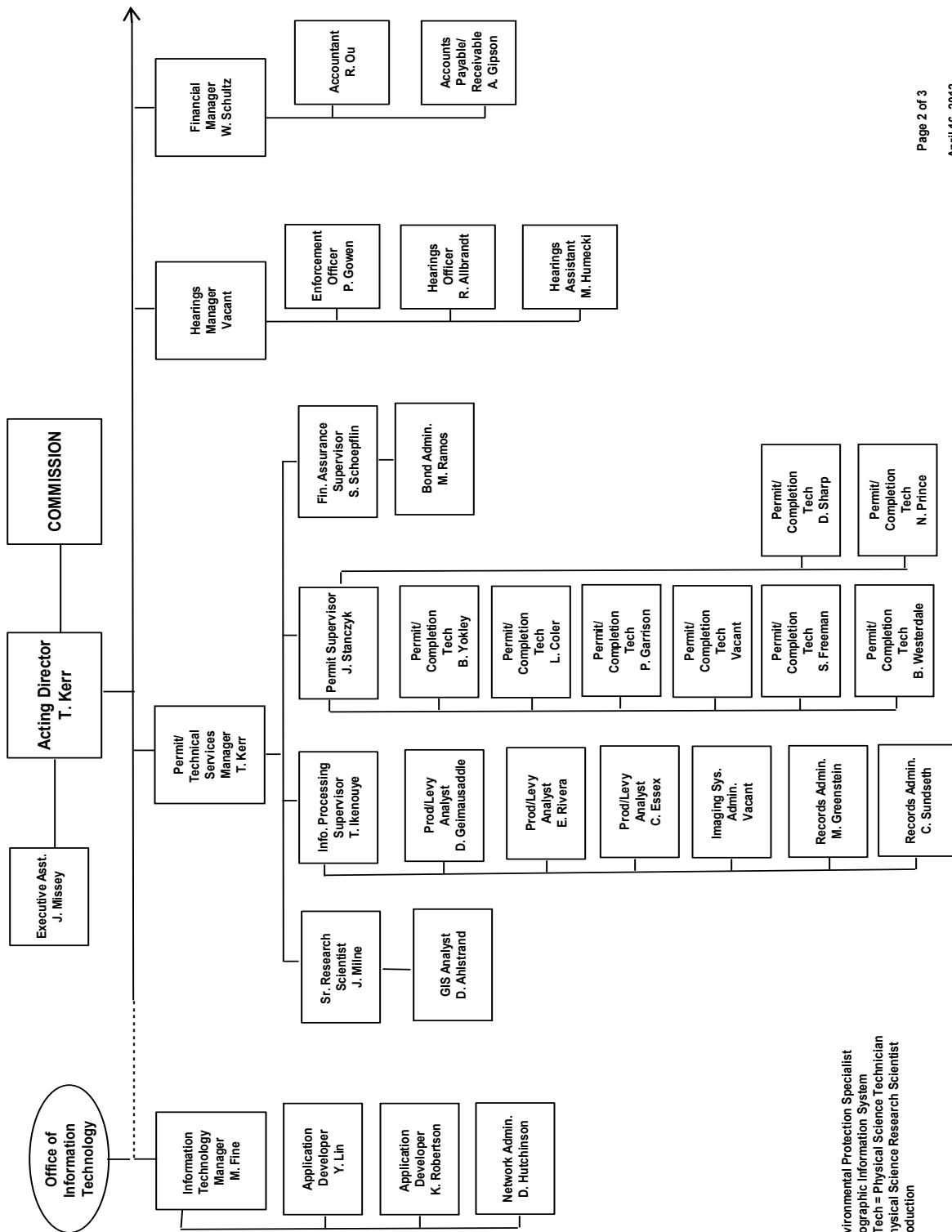
COLORADO OIL & GAS CONSERVATION COMMISSION



See the next two pages for details



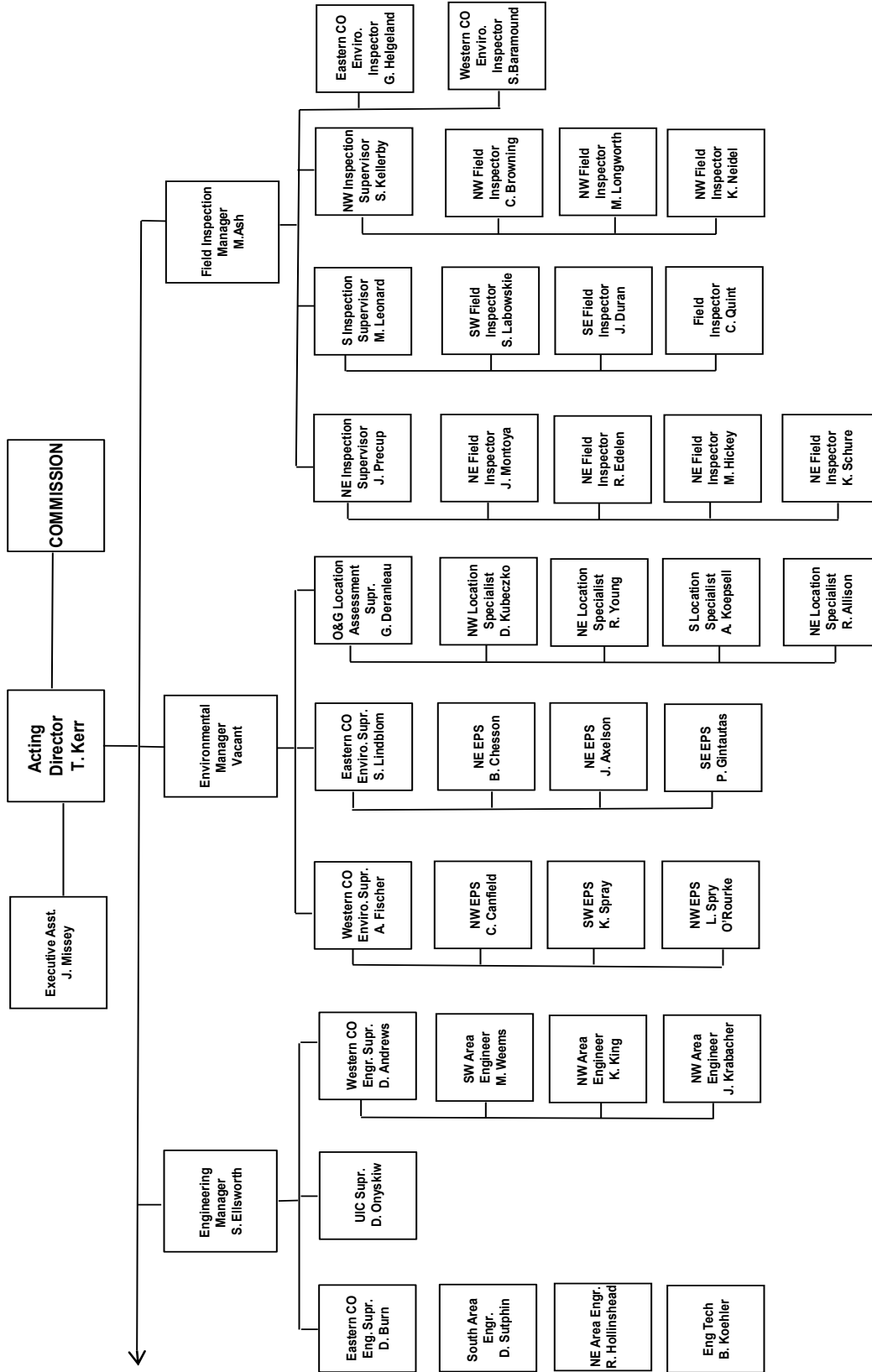
COLORADO OIL & GAS CONSERVATION COMMISSION ORGANIZATION



EPS = Environmental Protection Specialist
 GIS = Geographic Information System
 Phys/Sci Tech = Physical Science Technician
 PRS = Physical Science Research Scientist
 Prod = Production



COLORADO OIL & GAS CONSERVATION COMMISSION ORGANIZATION



EIT = Engineer in Training
 EPS = Environmental Protection Specialist
 OGLA = Oil & Gas Location Assessment
 Phys Sci Tech = Physical Science Technician
 UIC = Underground Injection Control

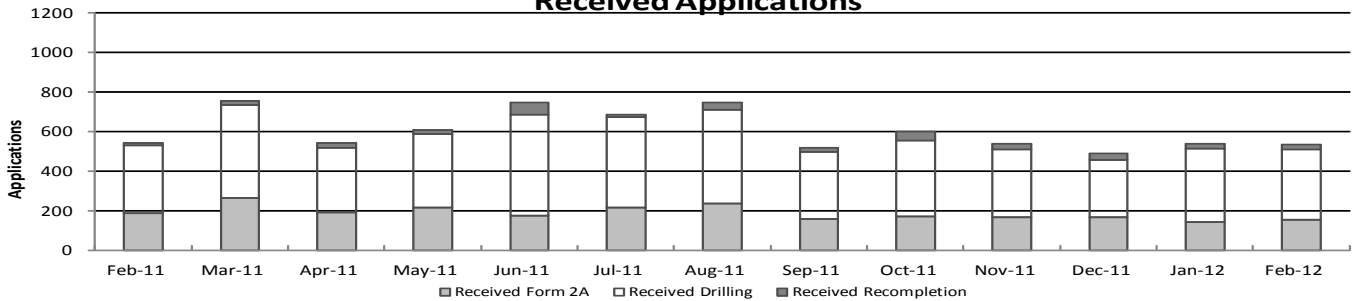


Colorado Oil & Gas Conservation Commission Monthly Permit Activity

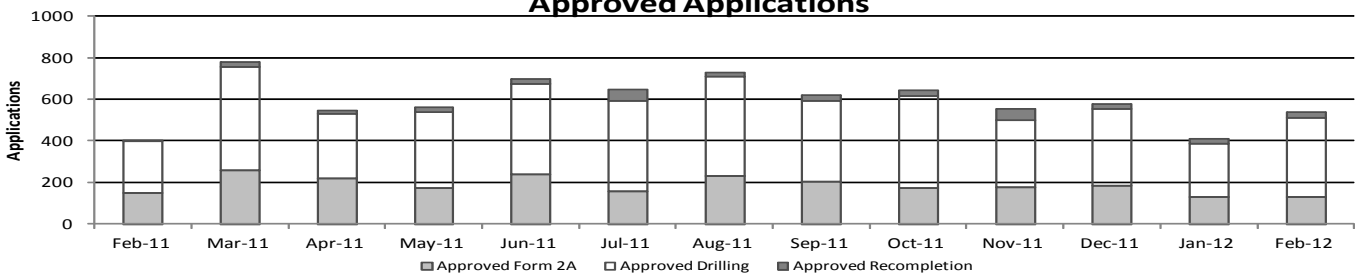
	Backlog	Received	Approved	Withdrawn	Rejected	Incomplete	In-Process	Remaining
Form2A								
Feb-11	256	184	150	7	0	50	233	283
Mar-11	283	262	258	6	0	80	201	281
Apr-11	281	190	218	6	0	80	167	247
May-11	247	214	171	10	0	88	192	280
Jun-11	280	172	239	4	0	60	149	209
Jul-11	209	215	158	8	0	65	193	258
Aug-11	258	236	229	6	0	66	193	259
Sep-11	259	159	203	6	0	58	151	209
Oct-11	209	171	172	12	0	50	146	196
Nov-11	196	166	174	9	0	69	110	179
Dec-11	179	164	183	5	0	44	111	155
Jan-12	155	141	129	1	0	50	116	166
Feb-12	166	154	129	3	0	44	144	188
Drilling								
Feb-11	395	343	249	3	0	113	373	486
Mar-11	486	472	498	3	0	129	328	457
Apr-11	457	325	314	7	0	129	332	461
May-11	461	372	367	15	0	142	309	451
Jun-11	451	512	436	2	0	99	426	525
Jul-11	525	457	436	9	0	107	430	537
Aug-11	537	472	482	8	0	141	378	519
Sep-11	519	336	389	8	0	108	350	458
Oct-11	458	382	443	16	0	85	296	381
Nov-11	381	342	324	8	0	146	245	391
Dec-11	391	291	370	5	0	118	189	307
Jan-12	307	371	259	7	0	133	279	412
Feb-12	412	353	382	8	0	103	272	375
Recompletion								
Feb-11	7	15	2	0	0	8	12	20
Mar-11	20	18	23	0	0	1	14	15
Apr-11	15	26	15	1	0	0	25	25
May-11	25	20	25	0	0	3	17	20
Jun-11	20	61	22	0	0	3	56	59
Jul-11	59	13	55	2	0	6	9	15
Aug-11	15	37	17	0	0	6	29	35
Sep-11	35	22	29	0	0	3	25	28
Oct-11	28	45	29	0	0	3	41	44
Nov-11	44	29	57	2	0	4	10	14
Dec-11	14	31	23	0	0	8	14	22
Jan-12	22	26	21	2	0	9	16	25
Feb-12	25	25	27	0	0	5	18	23

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

Received Applications



Approved Applications



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



Colorado Oil and Gas Conservation Commission
Status of Permit Applications Filed By Month
 April 6, 2012

Form 2A Location Assessment

Year	Month	Received	Approved	Withdrawn	In Process	Percent In Process	Median Days to Process	Less Than 30 Days	30 to 49 Days	Greater Than 50 Days
2010	Total	2520	2433	85	0			1559	662	212
2011	1	236	234	2	0	0%	33	147	58	29
2011	2	174	163	11	0	0%	37	99	35	29
2011	3	281	273	8	0	0%	33	198	42	33
2011	4	189	179	9	1	1%	40	112	30	37
2011	5	211	198	13	0	0%	30	126	58	14
2011	6	184	181	3	0	0%	33	135	27	19
2011	7	211	198	10	3	1%	35	89	89	20
2011	8	245	238	4	3	1%	34	123	86	29
2011	9	156	145	8	3	2%	32	80	53	12
2011	10	167	156	8	3	2%	30	89	59	8
2011	11	171	161	7	3	2%	31	100	53	8
2011	12	166	163	0	3	2%	30	118	30	15
2011	Total	2391	2289	83	19	1%		1416	620	253
2012	1	141	135	2	4	3%	31	92	27	16
2012	2	160	146	6	8	5%	26	118	26	2
2012	3	135	51	0	84	62%	24	49	2	0
2012	4	34	0	0	34	100%	NULL	NULL	NULL	NULL
2012	Total	470	332	8	130	28%		259	55	18

Form 2 Application For Permit to Drill (APDs)

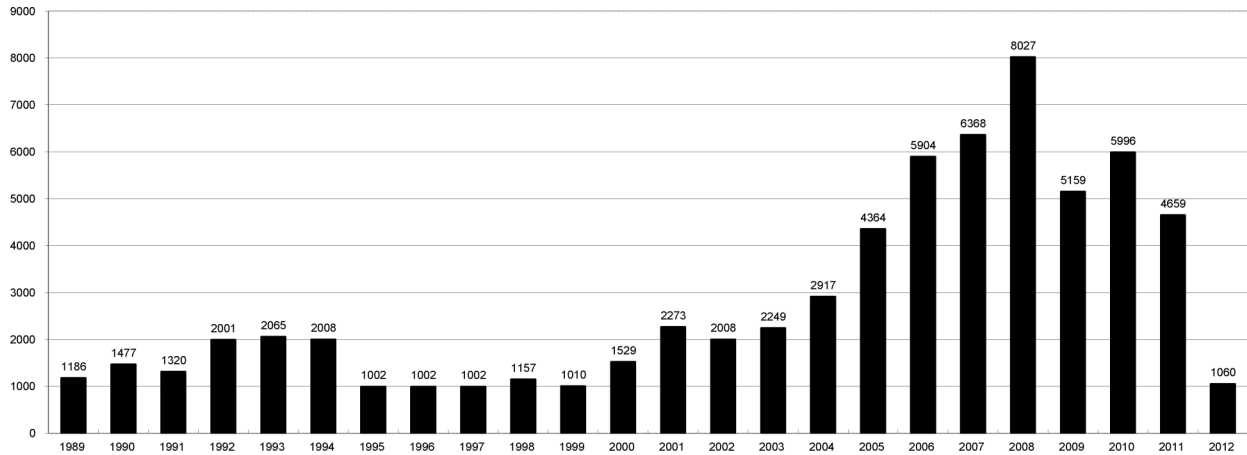
Year	Month	Received	Approved	Withdrawn	In Process	Percent In Process	Median Days to Process	Less Than 30 Days	30 to 49 Days	Greater Than 50 Days
2010	Total	5891	5746	144	0	0%		1760	2739	1744
2011	1	380	371	7	0	0%	32	235	106	40
2011	2	336	333	3	0	0%	36	182	114	51
2011	3	466	454	12	0	0%	35	326	67	82
2011	4	347	334	12	1	0%	39	174	117	68
2011	5	364	355	9	0	0%	32	196	145	35
2011	6	514	511	3	0	0%	32	424	94	48
2011	7	472	457	11	4	1%	38	145	272	55
2011	8	468	461	4	3	1%	36	212	179	106
2011	9	334	312	17	5	1%	30	230	82	24
2011	10	369	353	12	4	1%	31	212	149	17
2011	11	338	304	8	26	8%	32	192	139	19
2011	12	309	300	1	8	3%	35	196	103	26
2011	Total	4697	4545	99	51	1%	408	2724	1567	571
2012	1	368	355	7	6	2%	32	235	107	39
2012	2	371	339	10	22	6%	28	277	69	15
2012	3	287	127	1	159	55%	26	119	9	2
2012	4	72	0	0	72	100%				
2012	Total	1098	821	18	259	24%		631	185	56



COLORADO OIL AND GAS CONSERVATION COMMISSION
ANNUAL DRILLING PERMITS BY COUNTY

COUNTY	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	current as of 4/6 2012		
ADAMS	46	34	44	53	92	58	137	34	9	33	24	19	38	28	9	26	39	34	37	89	51	35	21	8	15		
ARAPAHOE	5	5	15	14	11	4	20	12	2	9	1	2	0	2	1	2	5	7	11	10	10	10	8	23	8		
ARCHULETA	8	5	18	5	2	1	2	3	3	1	7	9	6	10	8	13	14	26	47	11	18	12	3				
BACA	6	4	15	10	23	9	12	24	10	7	13	15	22	6	2	3	7	8	2	11	13	3	4	5			
BENT				1			2	2	4	2	5	3	5	2			5	3	8	1	1	1	5				
BOULDER	1		1	13	38	159	38	5	8	2	5	5	1	5	6	7	17	13	21	37	32	35	24	30	11		
BROOMFIELD																	2	7	1	1	2	33	28	11			
CHEYENNE	203	149	102	93	71	58	48	55	43	31	41	7	3	3	3	3	3	10	21	15	33	12	13	16	6		
COSTILLA												1															
CROWLEY	1		1	1																							
DELTA	1	1	2																				4	3			
DENVER										5	3	3		3		7	4	5	10	19	25	24					
DOLORES	2		4	1	2	1											1	1	1	6	10	12	21	8	6		
ELBERT	9	12	8	5	3		2	13	16	11	1		2						4			1	1	1			
EL PASO																						2	3	3	4		
FREMONT	9	5	6	7	1	2	2	1	2	1								1	3	2	4	14	13	22	14		
GARFIELD	19	66	111	36	18	56	143	78	109	141	95	130	213	353	362	567	796	1509	1845	2550	2888	1981	2037	1323	264		
GRAND							1																				
GUNNISON			2	2		1										5	10	1	9	19	7	10	12	4	3	5	
HUERFANO	3	5		4	17	3	3	2	1	3	40	26	41	27	27		8	2				7	2	1			
JACKSON	3	1	4	6	2	2	3	2	2	6	3		34	18	21	9	14	6	8	5	27	19	9	18			
JEFFERSON	1		4	2		1		1	1	2	1	2	1						1	3	2						
KIOWA	15	39	40	46	28	28	21	26	13	17	10	2	11	18	2	4	2	1	11	9	26	7	16	17	4		
KIT CARSON	9	5	7	8	8	15	26	11	7	6	9	5					1	3	5	4	4	13	7	3	2	2	
LA PLATA	302	218	388	128	120	40	40	20	71	40	82	107	127	156	104	162	102	115	235	251	328	298	191	99	29		
LARIMER	4	4	3	6	13	7	3		1	3	1		2					1		5	46	12	41	8	5		
LAS ANIMAS	10	30	36			9	32	95	134	136	195	195	268	400	259	180	332	413	500	362	303	88	92	85	7		
LINCOLN	8	6	4	7	7	11	8	9	3	2			2	2	1	6	3	4	1	2	58	44	48	31	10		
LOGAN	18	21	23	13	14	30	15	13	6	12	7		4	7	3	3	6	13	17	14	5	9	17	8	3		
MESA	1	12	29	20	22	2	22	6	11	10	2	6	13	27	30	27	54	136	265	293	501	427	306	127	17		
MOFFAT	13	25	27	19	40	52	43	40	41	28	21	15	35	52	62	63	63	60	120	68	57	51	53	93	7		
MONTEZUMA	6	7	10	8	7	11	15	9	13	5	4	1	4				5	8	8	11	5	12	22	39	19	27	12
MONTRORSE				1						1				1	3	2	4	2		1	3	3	1	1	1		
MORGAN	34	27	36	13	10	11	19	12	10	11	10	12	9	9	2	7	9	7	3	6	2	1	6	13			
OTERO				2																							
PARK				1								1		1	2		7	13	17	12	69	82	45	64	112	54	
PHILLIPS			3		1	1																					
PITKIN		1		4	2													1									
PROWERS	19	9	5	10	14	7	3	5	5	3	9	3	2	5	4			7	5	7	5	8	1	3	1		
RIO BLANCO	34	83	77	33	81	83	126	81	33	40	51	95	89	187	105	179	154	161	360	321	477	348	441	109	30		
RIO GRANDE	2	3	4	1		1							1	1	1							1	1				
ROUTT	4	3	12	4	2	3	1	2	1	1	1	4	20	13	1			4	6	9	8	4	2	3	10	1	
SAGUACHE	1								2				2														
SAN MIGUEL				2					1	1	4	2	11	13	27	18	42	45	35	23	20	13	10	2			
SEDGWICK				1				3		2								1	5	2	7	2	1	19	11	12	2
WASHINGTON	40	29	23	28	24	26	25	12	19	26	18	3	23	17	27	34	128	50	69	45	11	1	6	12			
WELD	424	357	366	656	1224	1319	1030	254	305	285	392	288	509	702	760	757	832	901	1418	1527	2340	1448	2152	2262	547		
YUMA	14	20	45	60	104	53	167	168	123	116	111	60	31	205	160	138	237	782	797	541	545	105	299	148	8		
Total	1275	1186	1477	1320	2001	2065	2008	1002	1002	1002	1157	1010	1529	2273	2008	2249	2917	4364	5904	6368	8027	5159	5996	4659	1060		

ALL COUNTIES





Colorado Oil and Gas Conservation Commission
 Form 2A Breakdown By County By Year
 April 6, 2012

Yr	County	Form2As	Completed	In Process	Informational	Requires Approval	New Location	CDP	SWH	RSO	CDPHE
2009	Total State	818	818	0	728	108	408	2	80	5	5
2010	Total State	2378	2376	0	1824	637	1601	0	327	22	55
2011	ADAMS	10	10	0	1	1	9	0	0	0	0
2011	ARAPAHOE	20	20	0	12	0	21	0	0	0	0
2011	ARCHULETA	5	5	0	0	4	4	0	8	0	0
2011	BACA	5	5	0	3	1	4	0	1	0	0
2011	BOULDER	9	9	0	1	1	3	0	1	0	1
2011	BROOMFIELD	1	1	0	1	0	0	0	0	0	0
2011	CHEYENNE	17	17	0	7	0	12	0	0	0	0
2011	DELTA	2	2	0	0	0	1	0	0	0	0
2011	DOLORES	5	5	0	1	0	3	0	1	0	0
2011	EL PASO	5	5	0	0	0	5	0	0	0	0
2011	ELBERT	1	1	0	1	0	1	0	0	0	0
2011	FREMONT	11	11	0	3	0	8	0	0	0	0
2011	GARFIELD	117	116	1	0	67	50	0	101	9	1
2011	GUNNISON	7	6	1	0	4	5	1	6	0	0
2011	HUERFANO	1	1	0	1	0	1	0	0	0	0
2011	JACKSON	12	12	0	2	5	12	0	10	0	0
2011	KIOWA	19	19	0	12	1	18	0	1	0	0
2011	KIT CARSON	2	2	0	1	0	0	0	0	0	0
2011	LA PLATA	26	26	0	2	18	18	0	31	0	0
2011	LARIMER	7	7	0	7	0	7	0	0	0	0
2011	LAS ANIMAS	77	77	0	42	0	44	0	1	0	0
2011	LINCOLN	29	29	0	15	2	20	0	0	0	1
2011	LOGAN	10	10	0	9	0	8	0	0	0	0
2011	MESA	24	24	0	0	9	15	0	12	0	0
2011	MOFFAT	48	48	0	2	12	42	0	41	5	0
2011	MONTROSE	1	1	0	0	0	1	0	0	0	0
2011	MORGAN	10	10	0	6	0	10	0	0	0	0
2011	PARK	1	1	0	1	0	0	0	0	0	0
2011	PHILLIPS	129	129	0	56	0	126	0	0	0	0
2011	PROWERS	1	1	0	1	0	1	0	0	0	0
2011	RIO BLANCO	37	37	0	0	20	24	0	27	0	0
2011	RIO GRANDE	1	0	1	0	0	1	0	1	0	0
2011	ROUTT	8	8	0	0	0	9	0	10	1	0
2011	SEDGWICK	13	13	0	2	0	11	0	2	0	0
2011	WASHINGTON	13	13	0	10	1	12	0	0	0	0
2011	WELD	1474	1456	18	767	173	1162	0	20	2	2
2011	YUMA	149	148	1	38	0	123	0	0	0	0
2011	Total State	2307	2285	22	1004	319	1791	1	274	17	5
2012	ADAMS	6	6	0	0	0	6	0	0	0	0
2012	ARAPAHOE	8	3	5	0	0	8	0	0	0	0
2012	BOULDER	1	1	0	0	0	0	0	0	0	0
2012	CHEYENNE	6	5	1	0	0	5	0	0	0	0
2012	DOLORES	1	1	0	0	0	1	0	0	0	0
2012	EL PASO	3	1	2	0	0	3	0	0	0	0
2012	GARFIELD	27	17	10	0	0	13	0	21	1	0
2012	GUNNISON	6	2	4	0	0	5	0	4	0	0
2012	JACKSON	1	0	1	0	0	1	0	0	0	0
2012	KIOWA	4	2	2	0	0	4	0	0	0	0
2012	KIT CARSON	4	2	2	0	0	2	0	0	0	0
2012	LA PLATA	5	4	1	0	0	2	0	4	0	0
2012	LARIMER	1	1	0	0	0	1	0	0	0	0
2012	LAS ANIMAS	5	4	1	0	0	3	0	0	0	0
2012	LINCOLN	12	10	2	0	0	11	0	0	0	0
2012	LOGAN	3	3	0	0	0	2	0	0	0	0
2012	MESA	3	2	1	0	0	1	0	1	0	0
2012	MOFFAT	8	1	7	0	0	8	0	8	0	0
2012	MONTEZUMA	8	5	3	0	0	8	0	0	0	0
2012	MORGAN	2	1	1	0	0	2	0	0	0	0
2012	PHILLIPS	38	36	2	0	0	35	0	0	0	0
2012	RIO BLANCO	23	11	12	0	0	3	0	20	0	0
2012	RIO GRANDE	1	0	1	0	0	1	0	1	0	0
2012	ROUTT	1	0	1	0	0	1	0	0	1	0
2012	SEDGWICK	1	1	0	0	0	1	0	0	0	0
2012	WELD	275	208	67	0	0	187	0	1	0	1
2012	YUMA	1	0	1	0	0	1	0	0	0	0
2012	Total	454	327	127	0	0	315	0	60	2	1

CDP = Comprehensive Drilling Plan SWH = Sensitive Wildlife Habitat consultation
 RSO = Restricted Surface Occupancy consultation CDPHE= Colorado Department of Health and Environment consultation



Colorado Oil and Gas Conservation Commission

Horizontal Well Activity

April 6, 2011

County	Prior Years			2009		2010		2011		2012		Spud	Completion			
	Drilled	DA	PA	Permit	Spud	Permit	Spud	Permit	Spud	Permit	Spud		AC	PR	DA	PA
ADAMS				6	6	2	3	1		7		9	3	3		
ARAPAHOE	2							10	1	4		3	2	1		
ARCHULETA	17			7	3	15	7	10	7	3	3	37		24		
BOULDER								4				0				
CHEYENNE	5		4									5		1		4
DOLORES	2			18	2	6				3	1	5		3		
FREMONT	7	6		6		12	5	3	4			16		10	6	
GARFIELD	10		2	1	1	16	2	18	2	11	2	17		18		2
GUNNISON	1					1				2		1		1		
JACKSON	8	1	1	8		3	3	9				11		10	1	1
KIT CARSON	1											1		1		
LA PLATA	28	2		11	1	28	3	18	7	7	1	40		39	1	
LARIMER	3	2						5	1			4		1	2	
LAS ANIMAS	16		2	4		1	1					17		14		2
LINCOLN				2	1	2	1	1				2		2		
LOGAN	2											2		2		
MESA	3	2		36	1	22	8	24	13	9	3	28		17	2	1
MOFFAT	7	1	1	6	3	4		9	2	2		12	1	9	1	1
MONTEZUMA	6		1	23	5	11	1	8	2	5	1	15		14		1
MORGAN								6	2			2		2		
PARK						1	1	1				1				
RIO BLANCO	7	2				1	1	11	1	3		9	1	6	2	
ROUTT	10	6	1							1		10		3	6	1
SAN MIGUEL	1			1								1		1		
WASHINGTON	1		1									1				1
WELD	11	3		12	5	208	92	763	228	211	122	458		183	6	1
YUMA	1		1	6								1				1
TOTAL Horizontal	149	25	14	147	28	333	128	901	270	268	133	708	7	365	27	16
Percent of Total HZ		17%	9%										1%	52%	4%	2%
Total All Permits				5159		5996		4659		988						
Percent of Total				2.8%		5.6%		19.3%		27.1%						



Well to Building Setback Review

Colorado Oil and Gas Conservation Commission
April 6, 2012

Count of well locations by proximity groupings from well spot to buildings for all locations reviewed under the December 17, 2008 amended rules.

Location Proximity to Buildings	2009	2010	2011	2012	Number of Locations	Percent of Total Locations
less than 150 feet	4	1	4	1	10	0%
150 to 350 feet	45	55	60	2	162	3%
350 to 500 feet	54	111	95	2	262	5%
500 to 1000 feet	158	357	332	12	859	17%
1000 + feet	547	1594	1472	50	3663	74%
Total Locations	808	2118	1963	67	4956	

County	Total	Less than 150 feet	150 to 350 feet	350 to 500 feet	500 to 1000 feet	1000 + feet
ADAMS	29	0	2	4	9	14
ARAPAHOE	40	0	1	4	2	33
ARCHULETA	15	0	0	1	9	5
BACA	10	0	0	0	1	9
BENT	5	0	0	0	0	5
BOULDER	21	0	1	1	16	3
BROOMFIELD	26	0	0	4	10	12
CHEYENNE	38	1	0	0	0	37
DELTA	5	0	0	1	1	3
DOLORES	10	0	0	0	4	6
EL PASO	9	0	0	0	1	8
ELBERT	2	0	0	0	1	1
FREMONT	30	0	2	7	6	15
GARFIELD	336	0	3	2	50	281
GUNNISON	13	1	0	1	1	10
HUERFANO	2	0	0	0	1	1
JACKSON	22	0	0	1	1	20
KIOWA	40	0	0	0	1	39
KIT CARSON	7	0	0	0	0	7
LA PLATA	86	0	3	8	23	52
LARIMER	27	0	3	3	9	12
LAS ANIMAS	194	1	4	6	37	146
LINCOLN	109	0	0	1	2	106
LOGAN	24	0	1	0	0	23
MESA	70	0	0	3	11	56
MOFFAT	99	0	0	1	5	93
MONTEZUMA	15	0	0	1	1	13
MONTROSE	2	0	0	0	0	2
MORGAN	13	0	0	1	1	11
PARK	4	0	0	0	0	4
PHILLIPS	260	1	3	6	20	230
PROWERS	4	0	0	0	0	4
RIO BLANCO	114	0	0	0	1	113
ROUTT	12	0	0	0	0	12
SAN MIGUEL	10	0	0	0	0	10
SEDGWICK	25	0	0	1	3	21
WASHINGTON	19	0	1	0	0	18
WELD	2981	6	134	203	623	2015
YUMA	462	0	7	14	42	399
TOTAL	5190	10	165	274	892	3849



Well to Building Setback Review

Colorado Oil and Gas Conservation Commission
April 6, 2012

Listing of Locations less than 200 feet to Building

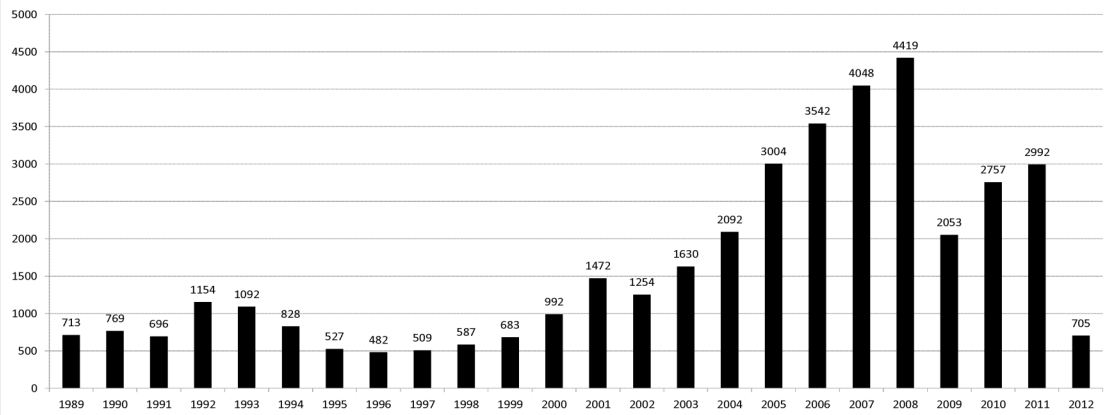
Year	Document Number	County	High Density	New Location	Distance	Proximity	Building Description
2011	2587822	CHEYENNE	No	No	58	less 150	Water well house
2009	1691798	WELD	No	No	58	less 150	Vehicle garage
2010	400072164	WELD	No	Yes	69	less 150	Abandoned hog shed
2012	400240957	GUNNISON	No	Yes	90	less 150	Equipment Shed
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
2011	400117702	WELD	No	Yes	143	less 150	Irrigation pump house
2011	400227765	WELD	No	Yes	145	less 150	Storage Barn
2009	1904205	WELD	No	No	154	150 to 350	Livestock Enclosure
2012	400243295	WELD	No	Yes	155	150 to 350	Unused storage shed
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
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
2011	400165164	WELD	No	Yes	178	150 to 350	Residence
2011	400188780	WELD	No	Yes	180	150 to 350	Residence
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
2009	1774783	WELD	No	No	199	150 to 350	cement service building
2011	400118102	YUMA	No	Yes	199	150 to 350	Steel Barn



COLORADO OIL AND GAS CONSERVATION COMMISSION ANNUAL WELL STARTS BY COUNTY

COUNTY	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Current as of 4/06		
ADAMS	39	27	26	36	54	20	54	28	6	16	12	17	18	13	4	19	22	24	13	41	14	15	21	2	2			
ALAMOSA																												
ARAPAHOE	2	4	16	11	11	3	9	8	3	3	2						6	1	5	2	1	1	3	7				
ARCHULETA	5	3	7	5	2	1		2		1			4	4	2	5	4	10	5	7	24	9	10	6	3			
BACA	5	5	12	6	21	8	9	19	9	7	11	8	19	6	2	1	6	6	2	6	12		5	4				
BENT				1				2	3	1	2	3	6	2			3	2	8	1	1							
BOULDER	2			7	18	56	15	5								2	5	11	9	14	25	16	13	7				
BROOMFIELD	3	2	3	7	14	27	22	2	2						2		1			10			22	11	3			
CHEYENNE	177	133	92	75	64	50	44	41	35	29	29	6	2	1	3	3		9	14	15	14	8	12	9	3			
CONEJOS																												
COSTILLA												1																
CROWLEY	1		1																									
CUSTER																												
DELTA	1		1													5	4	6	5	2			4	1				
DENVER										2	3	1		2					7	5	4							
DOLORES	2		4	1												2		2	13	4	2					2		
DOUGLAS																												
EAGLE																												
EL PASO																								2		2		
ELBERT	8	11	9	5	2			10	15	2	2		2						1									
FREMONT	6	3	5	7	1	1	1	2			1						1	3	2	2	5	3	9	16	1			
GARFIELD	3	12	24	8	3	4	15	13	7	28	19	94	190	251	245	417	585	799	1005	1304	1679	765	910	853	209			
GRAND							1																					
GUNNISON			1	2	1											1	1	1	9	5	1	4	3	1				
HUERFANO	6		2	6	1	1	2			2	31	9	25	14	19	3	6	2		2			1					
JACKSON	2	1	3	7	2		3	1	1	3	3		24	2	4	10	10		3	3	10	1	6	6				
JEFFERSON								1				2								2								
KIOWA	14	32	35	37	28	19	20	22	8	13	6	4	8	16	2	4	2	1	7	7	2	5	14	13	4			
KIT CARSON	11	6	6	6	9	13	15	9	6	3	7	7					1	1	6	2	1	14	3	1	1	1		
LA PLATA	158	129	186	44	66	26	17	19	29	48	65	80	99	135	118	110	103	104	108	179	200	128	67	38	1			
LARIMER	8	5	1	6	13	5	3	2	1				1	1				1		4	8	1	28	2	1			
LAS ANIMAS	17	22	20	3	2	11	17	34	62	90	120	182	202	286	205	221	296	384	413	326	221	14	7	78				
LINCOLN	6	5	4	4	7	7	8	8	3	2			2	2	1	5	2	2	2	1	2	19	10	14	20			
LOGAN	17	19	19	8	13	24	9	11	4	10	4		4	6	3	3	2	11	12	12	3	7	3	8				
MESA	1	2	2	4	1		7	2	1	1	4	4	2	12	12	13	25	89	156	209	219	13	11	30	2			
MOFFAT	1	2	1	2	1	1	2	1	3	1	8	10	18	23	25	28	19	40	60	42	24	18	15	22	2			
MONTEZUMA	6	5	7	5	2	5	7	3	12	2	2		2	3	5	5	1	7	2	4	7	7	3	2	3			
MONTROSE				1										3		2	1			1	2		1					
MORGAN	26	20	32	11	9	11	16	13	8	9	7	4	9	8	1	7	5	5	3	1	1	2	3	2	1			
OTERO				1																								
OURAY																												
PARK				1																				2				
PHILLIPS			3			1							1			6	10	11	4	35	18	2	42	105	42			
PITKIN		1			2																							
PROWERS	16	9	5	8	13	7	1	5	5	2	8	4	2	4	4		5	5	6	3	5	2	3	1				
PUEBLO																												
RIO BLANCO	1	8	10	1	3	8	6	7	5	9	9	62	51	82	47	83	92	95	107	95	204	113	107	68	15			
RIO GRANDE	1	2	2																									
ROUITT		1	1	3	1							1	5	12	1		1	6	3	2		2	1	1				
SAGUACHE	1							2																				
SAN MIGUEL				1							3	1	6	9	10	19	28	13	20	17	5	1	2	2				
SEDGWICK							1	3	2							1	2	1	1	5			3	7	3			
WASHINGTON	39	28	22	26	24	20	20	13	17	23	18	4	15	12	24	29	65	34	23	14	11	2	2	3				
WELD	176	200	168	296	660	723	389	94	136	94	117	124	237	403	406	522	632	718	931	1222	1314	872	1195	1587	399			
YUMA	12	16	41	47	102	39	114	145	101	104	93	52	42	162	108	106	144	597	593	445	336	27	212	78	6			
Grand Total	773	713	769	696	1154	1092	828	527	482	509	587	683	992	1472	1254	1630	2092	3004	3542	4048	4419	2053	2757	2992	705			

ALL COUNTIES





Colorado Oil Gas Conservation Commission
Monthly Statistics

YEAR	MO	Baker - Hughes Rig Count	Drilling		Recompletion		Permits		Injection		Pits		Locations		Well Spud Notice	Active Drilling Permits	Active Wells	Public Visits	
			Rcvd	Apvd	Rcvd	Apvd	Rcvd	Apvd	Rcvd	Apvd	Rcvd	Apvd	Rcvd	Apvd				Data	Office
2009	Total		4754	5159	344	334	68	55	178	242	765	571	1103	161	1071	984793			
	JAN	45	506	462	11	31	4	5	10	50	277	186	192	4029	41207	26	85	105289	
	FEB	50	687	377	35	9	4	4	6	9	265	213	189	3722	41478	7	114	97167	
	MAR	51	653	713	33	31	5	5	9	9	206	300	234	3858	41632	19	104	103614	
	APR	51	493	649	67	33	5	2	5	17	220	228	222	4040	41843	24	110	127472	
	MAY	53	389	622	29	57	3	6	10	47	200	218	237	4291	42096	11	97	85000	
	JUN	53	521	490	139	89	2	0	40	12	253	251	222	4373	42217	26	100	85000	
	JUL	60	460	432	54	81	1	1	19	15	185	222	244	4300	42324	10	84	85000	
	AUG	66	503	532	57	81	1	2	9	37	239	198	239	4481	42534	16	91	86609	
	SEP	68	403	437	33	31	3	1	3	8	166	196	242	4558	42686	9	76	83055	
	OCT	68	401	500	21	41	4	0	3	2	160	221	265	4502	42903	15	85	82492	
	NOV	68	308	421	14	19	1	1	3	10	162	171	226	4557	43139	14	94	90322	
	DEC	67	379	361	26	12	1	1	3	9	128	144	237	4735	43354	20	75	81459	
2010	Total		5703	5996	519	515	34	28	120	225	2461	2548	2749	197	1115	1112479			
	JAN	63	405	351	8	23	4	6	4	8	249	112	236	4755	43588	14	95	103968	
	FEB	61	343	249	15	2	7	6	5	3	184	150	212	4733	43869	21	80	96171	
	MAR	68	472	498	18	23	4	7	38	31	262	258	264	4847	43927	9	125	122393	
	APR	72	325	314	26	15	5	0	20	27	190	218	231	4882	44203	8	105	106539	
	MAY	72	372	367	20	25	3	6	12	8	214	171	244	4904	44752	14	124	73024	
	JUN	70	512	436	61	22	5	4	11	4	172	239	275	5013	45401	30	131	108115	
	JUL	69	457	436	13	55	2	1	13	7	215	158	241	5113	45710	20	74	103585	
	AUG	73	472	482	37	17	1	0	10	17	236	229	271	5328	45975	21	141	111950	
	SEP	77	336	389	22	29	7	0	35	34	159	203	282	5361	46115	9	120	116043	
	OCT	78	382	443	45	29	2	1	4	12	171	172	271	5423	46719	14	126	132814	
	NOV	80	342	324	29	57	0	1	12	13	166	174	277	5409	46721	18	96	130612	
	DEC	79	291	370	31	23	4	0	26	28	164	183	249	5329	46835	9	77	132651	
2011	Total		4709	4659	325	320	44	32	190	192	2382	2267	3053	187	1294	1337865			
	JAN	73	372	259	26	21	3	0	11	5	141	129	218	5217	46988	12	106	112686	
	FEB	70	367	382	23	27	7	5	21	9	158	129	192	5173	47128	16	114	105857	
	MAR	66	276	347	21	14	2	2	16	24	129	172	250	5132	47263	26	138	111746	
2012	Total		1015	988	70	62	12	7	48	38	428	430	660	54	358	330289			

Apvd = Approved, Rcvd = Received, Ind = Individual, Blnk = Blanket, Apps = Application for Hearing, NCAV = Notice of Alleged Violation, AOC = Administrative Order of Consent, OFV = Order Finding Violation, Cmpl = Compliant, Comp = Completed



Colorado Oil Gas Conservation Commission Monthly Statistics

YEAR	MO	Well Oper Change	Operators		Bonds			Hearings		Violations		Remediation Projects		Field Insp					
			New	Inactive	Release Ind.	Blnkt	Replace	Ind.	Claim	Order	NOAV	AOC	OFV		Cmplt	Spills	Rcvd	Comp	
2009	Total	5666	80	50	54	53	96	1	0	87	73	260	8	1	202	371	208	133	9991
	JAN	654	4	6	1	7	10	0	0	16	14	36	0	0	11	38	22	13	1160
	FEB	734	5	3	4	4	3	0	1	11	13	9	0	0	11	54	19	14	1143
	MAR	2171	4	5	6	6	7	0	0	13	12	37	0	0	6	29	41	10	2046
	APR	597	5	2	9	2	4	0	0	21	15	5	0	2	17	42	23	22	1183
	MAY	641	3	3	10	0	8	0	0	NA	NA	8	NA	NA	13	38	44	51	1364
	JUN	653	3	0	2	2	2	0	0	23	20	22	0	0	20	34	52	42	1308
	JUL	624	5	0	0	0	8	0	0	12	6	37	1	1	20	46	39	26	971
	AUG	556	3	2	2	1	5	0	0	8	12	40	1	0	33	46	39	22	1581
	SEP	460	4	3	0	4	4	0	0	13	7	32	2	0	11	44	55	38	1388
	OCT	423	3	3	0	7	2	0	0	19	16	30	0	0	33	32	96	24	1595
	NOV	429	2	5	2	6	5	0	0	19	21	20	6	0	20	48	51	49	1535
	DEC	479	5	1	2	1	16	0	0	NA	NA	43	NA	NA	23	42	30	71	1801
2010	Total	8421	46	33	38	40	74	0	1	155	136	319	10	3	218	493	511	382	17075
	JAN	813	1	2	3	1	4	0	0	16	15	43	3	2	33	40	47	45	1316
	FEB	356	1	1	9	4	6	0	0	16	15	7	0	1	40	52	48	33	1591
	MAR	590	2	3	6	3	9	0	0	NA	NA	31	NA	NA	33	48	59	27	1675
	APR	402	2	0	3	2	1	0	0	24	24	8	0	0	10	52	38	61	959
	MAY	542	3	0	5	2	4	0	0	77	65	16	2	5	26	31	33	51	1577
	JUN	789	2	2	2	2	0	3	0	51	58	30	1	4	14	38	53	25	1099
	JUL	595	3	6	3	6	3	1	0	NA	NA	29	NA	NA	13	39	92	20	518
	AUG	572	2	3	12	7	2	0	1	68	54	26	2	2	20	54	106	56	1032
	SEP	578	5	1	7	5	2	0	0	44	41	4	2	4	17	46	56	66	676
	OCT	550	4	2	12	6	7	0	3	57	45	9	0	0	15	38	102	28	598
	NOV	559	4	9	15	4	1	0	0	NA	NA	15	NA	NA	16	31	70	58	525
	DEC	335	4	2	2	2	4	0	0	50	32	12	0	1	13	58	22	66	518
2011	Total	6681	33	31	79	44	43	4	4	403	349	230	10	19	250	527	726	536	12084
	JAN	487	3	3	7	5	1	1	10	70	72	18	1	0	29	33	45	23	936
	FEB	350	6	9	8	5	0	0	0	NA	NA	10	NA	NA	25	40	51	36	936
	MAR	133	4	1	7	3	9	0	0	44	38	19	0	0	19	31	48	60	1035
2012	Total	970	13	13	22	13	10	1	10	114	110	47	1	0	73	104	144	119	2907

Apvd = Approved, Rcvd = Received, Ind = Individual, Blnkt = Blanket, Apps = Application for Hearing, NOAV = Notice of Alleged Violation, AOC = Administrative Order of Consent, OFV = Order Finding Violation, Cmplt = Complaint, Comp = Completed



Well to Building Setback Review

Well Locations Reviewed Since April 1, 2009

Colorado Oil and Gas Conservation Commission

April 6, 2012

Year Location	Less 150	150 to 350	350 to 500	500 to 1000	Greater than 1000	Total
2009	45	54	158	547	4	808
Amended High Density Location	2	2	4			8
Amended Location	31	33	112	232	2	410
New High Density Location		1				1
New Location	12	18	42	315	2	389
2010	55	111	357	1594	1	2118
Amended High Density Location	2	3	5	1		11
Amended Location	21	45	182	560		808
New High Density Location	2	4	2	3		11
New Location	30	59	168	1030	1	1288
2011	60	96	332	1488	4	1980
Amended High Density Location	1	1	3			5
Amended Location	23	30	135	329	2	519
New High Density Location	2	5	2	1		10
New Location	34	60	192	1158	2	1446
2012	5	13	45	220	1	284
Amended Location	2	6	16	69		93
New High Density Location			1			1
New Location	3	7	28	151	1	190
Grand Total	165	274	892	3849	10	5190
Percentage of Total	3.18%	5.28%	17.19%	74.16%	0.19%	

Amended locations are existing locations that have requested a change to the location

New locations did not exist before

High density is defined by Rule 603 and requires 350 foot building setback



Well to Building Setback Review

Well Locations Reviewed Since April 1, 2009

Colorado Oil and Gas Conservation Commission

April 6, 2012

County	Location	Less 150	150 to 350	350 to 500	500 to 1000	Greater than 1000	Total
ADAMS		2	4	9	14		29
	New Location		3	5	11		19
	Amended Location	2		4	3		9
	New High Density Location		1				1
ARAPAHOE		1	4	2	33		40
	New Location	1	4	2	27		34
	Amended Location				6		6
ARCHULETA			1	9	5		15
	New Location		1	5	3		9
	Amended Location			3	2		5
	Amended High Density Location			1			1
BACA				1	9		10
	New Location			1	7		8
	Amended Location				2		2
BENT					5		5
	New Location				5		5
BOULDER		1	1	16	3		21
	New Location			3	1		4
	Amended Location		1	12	2		15
	Amended High Density Location	1		1			2
BROOMFIELD			4	10	12		26
	New Location			1	3		4
	Amended Location		4	9	9		22
CHEYENNE					37	1	38
	New Location				28		28
	Amended Location				9	1	10
DELTA			1	1	3		5
	New Location		1		2		3
	Amended Location			1	1		2
DOLORES				4	6		10
	New Location			1	5		6
	Amended Location			3	1		4
EL PASO				1	8		9
	New Location			1	8		9
ELBERT				1	1		2
	New Location			1	1		2
FREMONT		2	7	6	15		30
	New Location		3	5	11		19
	Amended Location	1	1	1	4		7
	New High Density Location	1	3				4
GARFIELD		3	2	50	281		336