

COLORADO Oil & Gas Conservation Commission

Department of Natural Resources



TOP STORIES

Task Force on State and Local Regulation of Oil and Gas Operations

The 21-member Governor's Task Force on State and Local Regulation of Oil and Gas Operations convened its first meeting September 25 in Denver, and met a second time on October 9 and 10 in Durango. As provided by Executive Order B 2014-006, the Task Force is charged with crafting findings and recommendations by February 27, 2015 that will address land use conflicts in siting oil and gas facilities near homes, schools, businesses and recreational areas.

The Task Force is co-chaired by Gwen Lachelt, La Plata County Commissioner, and Randy Cleveland, President of XTO Energy, Inc. and receives staff support from the Executive Director's Office in the Department of Natural Resources. According to the Executive Order, Governor Hickenlooper selected the Task Force members to represent a broad set of interests involved in responsible oil and gas development. In addition to the two Task Force co-chairs, six of its members come from the oil and gas, agricultural and homebuilder industries; six members represent local government and the conservation community; and seven members are respected civic leaders.

During the Task Force's first meeting, Colorado Oil and Gas Conservation Commission (COGCC) Director Matt Lepore presented an overview of the agency's regulatory regime, including key legal principles of Colorado's split estate, recent growth in horizontal drilling and hydrocarbon production in the state, and the COGCC's ongoing efforts to enhance protections for public health and safety. These protections have largely come from revisions to COGCC rules on water quality, setbacks, public notice and, currently in the process, a revision of the agency's penalty and enforcement rules. In Durango, at the Task Force's second meeting, Director Lepore participated in a panel discussion concerning permitting of oil and gas operations, and continued to field questions about state regulatory procedures, environmental monitoring and the resolution of disagreements between surface and mineral owners. The Task Force will convene again in Longmont on November 20 and 21.

Weld County Disposal Well Permitting Update

The COGCC has approved four new commercial disposal injection wells in Weld County since July 1, 2014. The new disposal wells have a cumulative disposal capacity of 68,000 barrels per day (bbl/day), or 2,053,000 bbl/month.

The COGCC now requires seismic monitoring equipment at all commercial disposal injection well sites. Two of the four new wells referenced above were approved after the COGCC instituted this policy and seismic monitors have been installed at these locations.

Nine commercial disposal well permits and one single-operator permit currently are in process in Weld County. The disposal wells have been drilled for five of these pending permits. In these cases, the COGCC is waiting for the operators to submit required information, such as Form 5 Well Completion Reports, 5A Interval Completion Reports, Mechanical Integrity Tests, or Water Sample Analyses, before the Injection Permits can be approved.

For the other five pending permits, the wells have not yet been drilled. Of these, a drilling permit has been approved for three and the drilling permit is still in process for the other two.

Published in conjunction with COGCC hearings

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Drill Cuttings Management Policy

The Drill Cuttings Management Policy went into effect on September 15, 2014. This policy was developed in cooperation with an industry stakeholder group and provides appropriate management options for drill cuttings. A Land Application Plan Checklist is also provided with the policy to help operators supply appropriate information when preparing waste management plans for land application of drill cuttings. The Policy and Checklist are available at the COGCC website by clicking on the menu option "Policies" or http://cogcc.state.co.us/RR_Docs_new/ policies_new.html.

Rule 604.c.(2)E.i. Implementation

At the August, 2014 special hearing of the Commission, Department of Natural Resources Executive Director Mike King instructed staff to develop a means of tracking the implementation of Rule 604.c.(2)E.i., which requires multi-well production facilities to be located "as far as possible" from building units. This rule is one of the mitigation measures required for oil and gas locations sited in a "Buffer Zone," or within 1,000 feet of a building unit (*i.e.*, residence).

The COGCC has modified the Form 2A, Oil and Gas Location Assessment (OGLA), to accept additional information regarding setbacks from production facilities and wells to surrounding cultural features. The form now requires operators to identify oil and gas locations where the rule is applicable. It also requires operators to certify they have complied and provide information demonstrating compliance.

OGLA specialists will use the information provided to determine compliance with the rule. The revised Form 2A allows for statistics to be gathered for applications submitted after October 1, 2014. These statistics will be reported in future Staff Reports to the Commission. The Form 2A revisions were made with feedback from industry, and information about them has been posted to the website. Staff is currently developing guidance for operators to use when generating documentation to support their siting decisions.

Policy - Practices and Procedures for Stimulation at Depths 2,000 Feet or Less

There are regions in Colorado where hydrocarbon-bearing formations are located 2,000 feet or less below ground surface and may be in close proximity to useable groundwater resources. The reduced thickness of confining rock layers between the hydrocarbon formation and useable groundwater increases the risk of potential adverse impacts to the groundwater and calls for heightened scrutiny of proposed oil and gas operations in these areas. Accordingly, the COGCC has developed a policy for reviewing APDs for proposed wells less than 2,000 feet deep that will be fracture stimulated. In addition to the COGCC's standard permit requirements, the Engineering Staff will require the operator to provide detailed hydraulic fracture stimulation modeling for wells less than 2,000 feet deep. The COGCC may also impose site-specific mitigation measures to ensure nearby groundwater resources are protected during drilling and completion activities, including hydraulic fracture stimulation.

◆ Local Government Liaison (LGL) Program

Nancy Prince and Marc Morton are the COGCC's Local Government Liaisons (LGLs). Their respective assigned geographic work areas can be seen by clicking <u>http://cogcc.state.co.us/Contacts/LGD_Liaison.pdf</u>. Together they manage the Local Government Designee (LGD) program, a powerful (but voluntary) program used by over 160 counties, municipalities and special districts statewide.

The LGLs focus on enhancing local and state collaboration in the regulation of oil and gas in Colorado. This is accomplished by providing training, information, outreach and consultation not only to LGDs and local governments, but also to the general public, non-governmental organizations, the oil and gas industry, the business community and others interested in the COGCC's mission, rules, policies, procedures, database and website, or in oil and gas in Colorado.

Since the summer of 2012, the LGL Program has provided support, input and review services to many counties and municipalities seeking to develop local land use regulations and/or contrac-



tual agreements with operators (or both). The LGLs strive to provide these services in a fashion that complements and harmonizes the planned local regulations and operator agreements with COGCC rules, policies and procedures. Many of these collaborative efforts were initiated by the LGDs or other local government staff as a result of training and outreach provided by the LGLs. If your town, city, county, or special district needs assistance with local regulations or operator agreements, please contact Nancy or Marc at the following addresses:

nancy.prince@state.co.us

marc.morton@state.co.us

With regard to LGD training, the final of five 2014 LGD trainings will be held on Tuesday, October 28 in Durango, in conjunction with the scheduled Commission Hearing (on Monday October 27). Pre-registration for LGD training is required, as space is limited, but the training is free of charge. Contact Marc Morton regarding pre-registration for the Durango LGD training. The LGD training program for 2015 is being developed. Contact Nancy Prince or Marc Morton to pre-register for an upcoming 2015 LGD training, to suggest a date, or to host a training session at your venue.

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

PUBLIC OUTREACH

Outreach by Director and other Staff Members

- On September 8, Director Matt Lepore was interviewed as part of a PBS Rocky Mountain News Hour show highlighting the Governor's Task Force and ballot initiative and the COG-CC's regulatory role.
- On September 25 and October 9, Director Lepore made a presentation and answered questions at the first and second meetings of the Governor's Task Force on Local and State Regulation of Oil and Gas Operations.

- On October 2, Director Lepore, Engineering Manager Stuart Ellsworth, and Permit and Technical Services Manager Jane Stanczyk met with representatives of the BLM to discuss the proposed amendments to the interagency MOU.
- On October 2 and 9, the Field Inspection Unit's Mike Leonard led two joint field training sessions with the Colorado Department of Public Health and Environment (CDPHE) Air Quality Division, Oil and Gas Group. This training focused on oil and gas well completion operations.
- On October 3, Director Lepore participated on a panel at UC Denver regarding challenges in governing hydraulic fracturing in Colorado.
- On October 6, Director Lepore was a Guest Lecturer at DU's Energy Law Class regarding the COGCC's organizational structure and oil and gas rules.
- On October 6, Mike Leonard led a joint field training session with the CDPHE's Water Quality Division. This training provided an overview of oil and gas operations.

Outreach by LGLs

- On September 9, Nancy Prince, Permitting Supervisor Barbara Westerdale, Oil and Gas Location Assessment (OGLA) Supervisor John Noto and OGLA Specialist Melissa Housey attended an open house hosted by Conoco Phillips for neighborhoods near some newly proposed locations in eastern Aurora.
- On September 10, Nancy Prince attended the Aurora City Council Planning, Economic Development and Redevelopment Policy Committee meeting where a potential update of the city's zoning code related to oil and gas was discussed.
- On September 17, Nancy Prince attended a meeting between oil and gas operators and Adams County staff regarding an update of zoning regulations and potential operator agreements.

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Oil and Gas Staff Report



- On September 22, and at the request of the Town of Berthoud, Marc Morton attended a public meeting in Berthoud organized and attended by Extraction Oil and Gas, LLC (and subcontractors) in response to questions concerning their planned drilling program, notifications concerning drilling units/mineral rights, preapplication notifications and a planned seismic program.
- On September 23 and 24, Nancy Prince and Deputy Director Dave Kulmann attended public information sessions in Adams County. Representatives from the Colorado Oil and Gas Association, Adams County, and Nancy Prince presented an overview of the regulatory framework for oil and gas activity in Adams County.
- On September 26, Nancy Prince attended the Aurora LGD meeting where proposed changes to the oil and gas regulations were discussed with stakeholders, including operators, developers and citizens.
- On October 2, Marc Morton and Nancy Prince met in Denver with BBC Research & Consulting regarding its research project with the Colorado Department of Transportation. The research will assess future impacts to transportation infrastructure resulting from increasing oil and gas activity.
- On October 2, Marc Morton and Environmental Protection Specialist Stan Spencer attended the monthly Garfield County Energy Advisory Board (EAB) meeting in Rifle. Marc provided an update on the recently convened Task Force on State and Local Regulation of Oil and Gas Operations, including public participation opportunities.
- On October 3, Marc Morton and Stan Spencer met with Stuart McArthur, the new Town Manager of and LGD for Parachute.

REGIONAL ACTIVITIES

> <u>NORTHWEST COLORADO</u>

Northwest Colorado Oil and Gas Forum

The next meeting of the Forum will be held on December 4, 2014 at 10:00AM in Rifle at the Colorado Mountain College. All parties wishing to be placed on the meeting agenda or added to the distribution list for announcements should contact Dave Andrews at: 970-625-2497 or by email at <u>david.andrews@state.co.us</u>

Project Rulison

Please note that the email for Project Rulison submittals has been changed to:

DNR_rulison.submittal@state.co.us

Project Rio Blanco

Please note that the email for Project Rio Blanco submittals has been changed to:

DNR_rioblanco.submittal@state.co.us

SOUTHWEST COLORADO

♦ Gas and Oil Regulatory Team (GORT) Meeting

The last GORT/Southwest Colorado Oil and Gas Stakeholders meeting occurred on Friday, July 18, 2014 from 8:30 a.m. to noon at the La Plata County Fairgrounds in Durango.

The next GORT meeting will be scheduled for November 6, 2014 from 8:30 a.m. to noon at the La Plata County Fairgrounds, Animas Room, 2500 Main Avenue, Durango. All parties wishing to be placed on the next meeting agenda should contact Mark Weems at 970-259-4587 or mark.weems@state.co.us

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

<u>4M Pilot Scale Mitigation Projects La Plata Coun-</u> <u>ty.</u> In May 2014 the South Fork Texas Creek (SFTC) compressor was rebuilt to replace worn



bearings. The heater plate in the methane sensor was also replaced. Regularly scheduled operations and maintenance, performed by COGCC's contractors, continues.

Some successes of the project include:

Methane Mitigation:

- Gas containing methane concentrations of 78.4 99.5% (SFTC) and 0.2–5% (Pine River) continuously recovered during the first and second quarters of 2014.
- Since conversion to a passive system in June of 2012 at Pine River, methane concentrations have remained at 0% 5% following an increase in the first and second quarters of 2013.

Electrical Generation:

- SFTC has generated 179,463 kWH of surplus electricity.
- System operated at 11 kW output to maintain steady operation during the first and second quarters of 2014.

Site Restoration:

• Plant growth over the methane mitigation system has improved in 2014.

<u>4M Monitoring Wells La Plata and Archuleta</u> <u>Counties</u>. There are 17 wells at 11 locations in the 4M monitoring program. Well pressures are monitored remotely via satellite telemetry with one or two maintenance visits per year, depending upon data received. Two measurements per day are collected from each monitoring well. The BP Highlands MW 35-7-15 #1 was inspected by COGCC staff and Resource Hydrogeologic Services (RHS) on September 25, 2014. All components of this monitoring well were functioning properly. The COGCC and RHS are planning to inspect the remaining program wells October 7 -9, 2014.

<u>Ongoing Investigation, Reclamation and Mitigation of Residual Methane in the Vicinity of the</u> <u>Bryce 1-X Well Area, Bondad, Colorado.</u> Three domestic water wells were sampled at the Bondad location on May 14, 2014 by Four Corners Geoscience. Free methane results ranged from 0.63 mg/l in the Middle well to 4.92 mg/l in the South well. Due to a mechanical failure, a sample from the North well was not obtained on May 14. On July 15, 2014, a sample was obtained from the North well. Analytical results showed a methane concentration of 10.11 mg/l for that well.

ADMINISTRATION/ORGANIZATION/OTHER

New NE Environmental Protection Specialist

Rob Young was selected as the new Northeast Environmental Protection Specialist. Rob has been with the COGCC since 2010 in the Oil & Gas Location Assessment Group. Prior to that he worked as a consulting environmental geologist and brings seventeen years of experience to the position.

An organizational chart can be found on Pages 8-11. For contact information, please go to our homepage and find "Staff Contact Information."

Plugging and Reclaiming Abandoned Wells (PRAW) - Project Updates

The **DB Orphan Blair #1 Project** is located on the NW edge of DeBeque in Mesa County. The well was found to be leaking water and was subsequently dug out and sealed to stop the flow. Lab analysis of a water sample indicates salt brine, which is indicative of oil and gas geologic sources. Based on old USGS reports and prior experience in the area, the COGCC believes the well was likely drilled around 1902.

The plugging design and cost estimate have been prepared. Competitive bids were recently solicited, with RACS's, Inc. coming in with the winning bid of \$69,069. The three to five day project is expected to commence in October.

The **Pasture #1 Project** involves the final abandonment of the well, which includes cutting the casing off three feet below ground level and installing a well marker and sign. Plans are to complete this work immediately following the completion of the DB Orphan Blair #1 project.

The Flessner #13 Project has previously been reported as a dry and abandoned well located in Washington County about 23 miles south of Ft. Morgan and Brush. It was drilled in 1955 to a depth of 5,460 feet (J-Sand Formation) and reportedly plugged at the same time by Monsanto October 27, 2014



Chemical Co. A farmer complained that the well had never been plugged and abandoned and is currently obstructing farming operations. The plan is to re-enter the well and re-plug it. The estimated cost is \$45,500.

The Ackerman #1 Project is a dry and abandoned well located in Larimer County about seven miles northwest of Wellington. It was drilled in 1963 to a depth of 5,745 feet (Dakota formation) and plugged at the same time by Alpha-Omega Exploration Co. A COGCC inspector recently discovered it was leaking water. The plan is to re-enter the well and re-plug it. The estimated cost is \$45,500. The project has been put out to bid, with a contractor to be selected by November 1.

The **Gentry Project**, located in Rio Blanco County, includes 10 sites with eight wells and two pits located about one-half mile west of Rangely and one and a half miles south of State Highway 64. The surface owner brought the matter to the attention of the COGCC. The Gentry project is estimated at a total cost of \$90,000.

The Wallace Oil and Gas BOND CLAIM Project is located in far southeast Colorado in Baca County or about fifteen miles southeast of the town of Walsh. This project will include the salvaging of all miscellaneous production equipment and plugging three individual wells. The total cost is estimated at \$90,000, of which \$30,000 will come from the bond claim.

The Noel Reynolds Ester #1 BOND CLAIM Project is a temporarily abandoned well located in La Plata County about 18 miles southwest of Durango and six miles from the New Mexico state line. This project will include the removal of miscellaneous debris and unused equipment and the plugging of the well. The total cost is estimated at \$50,000, of which \$30,000 will come from the bond claim.

The Fremont Co-Group #3 Five Wells Project includes five wells that need to be re-plugged and abandoned. These orphan wells are located in the Florence-Cañon City Field in Fremont County and were discovered during routine inspections. It is believed that they were drilled in the early 1900s. None of these wells have an operator of record or any bond posted. The cost to plug and abandon these wells is estimated to be \$50,000.

The **Chapman #1 Project** is a dry and abandoned well located in Baca County about six miles southeast of Walsh. It was drilled in 1960 to a depth of 5,576 feet (St Louis Formation) and plugged at the same time by Falcon Seaboard Drilling Co. The COGCC inspection report indicates four feet of casing protruding above ground and bubbling, churning water could be heard from it. The plan is to replug the well at an estimated cost of \$45,000.

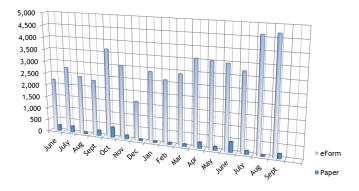
The **Stewart #1 Project** is a dry and abandoned well located in La Plata County about 26 miles southwest of Durango and about one mile from the New Mexico state line. It was drilled in 1949 to a depth of 3,314 feet and reported plugged at the same time by Ocean Oil Co. The well is situated in a ravine with tight quarters, making access difficult, and was found to be leaking fairly fresh water. No samples were taken at the time of inspection, but it was noted that the foliage was quite healthy, and there were no dry powdery residues, which are usually indicative of salt or calcium carbonate. The plan is to re-enter the well and replug it at an estimated cost of \$80,000.

Page 12 contains a spreadsheet listing PRAW projects that are either scheduled, in process or completed, as of October 6, 2014.

<u>Colorado Oil and Gas Information System</u> (COGIS) Projects, Updates and Changes

Electronic Form Submissions (eForm)

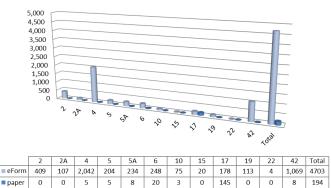
TOTAL ELECTRONIC FORM SUBMITTALS JUNE 2013 - SEPTEMBER 2014 Forms currently available through eForm:





- Form 2 Application for Permit to Drill
- Form 2A Oil and Gas Location Assessment
- Form 4 Sundry Notice
- Form 5 Drilling Completion Report
- Form 5A Completed Interval Report
- Form 6 Well Abandonment Report
- Form 10 Certification of Clearance/Change of Operator
- Form 15 Earthen Pit Report/Permit
- Form 17 Bradenhead Test Report
- Form 19 Spill/Release Report
- Form 22 Accident Report
- Form 23 Well Control 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 SEPTEMBER 2014:



The development team is working on several forms concurrently. Forms 7, 14, 14A, 21, 26, 31 and 33 are in various stages of development.

As forms are released on eForm, updates to the PDF version on our Forms page, <u>http://cogcc.state.co.us/Forms/forms.html</u>, will occur in tandem. These new versions of the PDF forms will reflect any changes that have taken place when forms are moved into eForm.

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 486 operators using eForm and 1,851 individual users.

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

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 to 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).

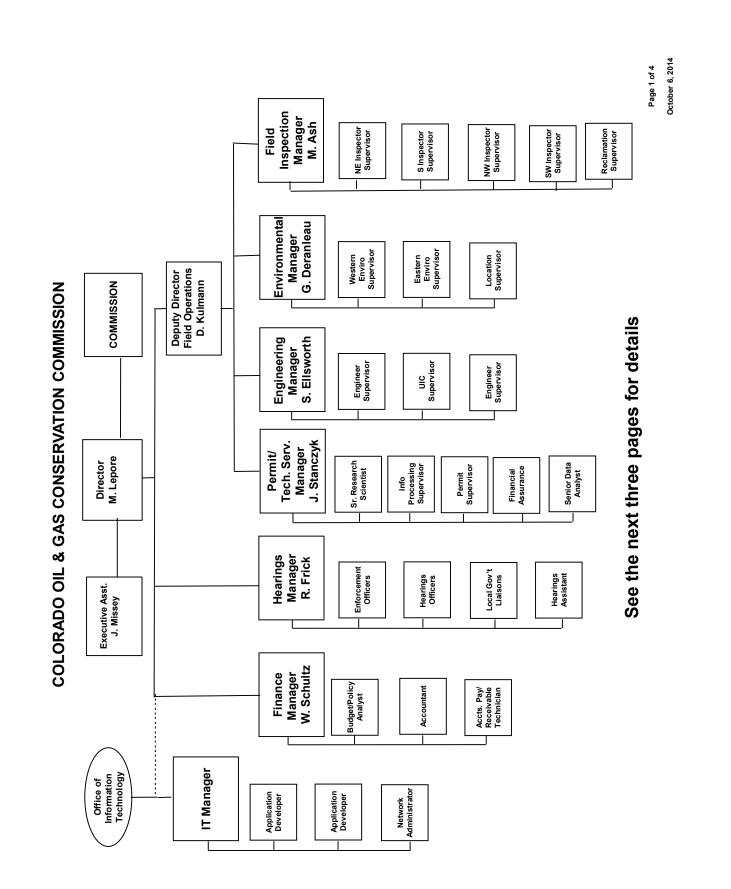
For any operator not currently enrolled in eForm, instructions for starting the process can be found at <u>http://cogcc.state.co.us/Announcements/</u><u>COUAInformation.pdf</u>.

Website Update Project

The COGCC website is being redesigned to simplify site navigation and to improve overall ease of use. Content is being reorganized with an emphasis on public accessibility to information about oil and gas operations in the state, including Commission rules, regulations, hearings, wells, and production data. The new COGCC site is slated to go online in the fourth quarter of 2014 with *beta* testing beginning soon. Initially, most of the database search and mapping tools will be moved unchanged from the old site to the new, with a schedule for future upgrades.

December 2014 Hearing Docket

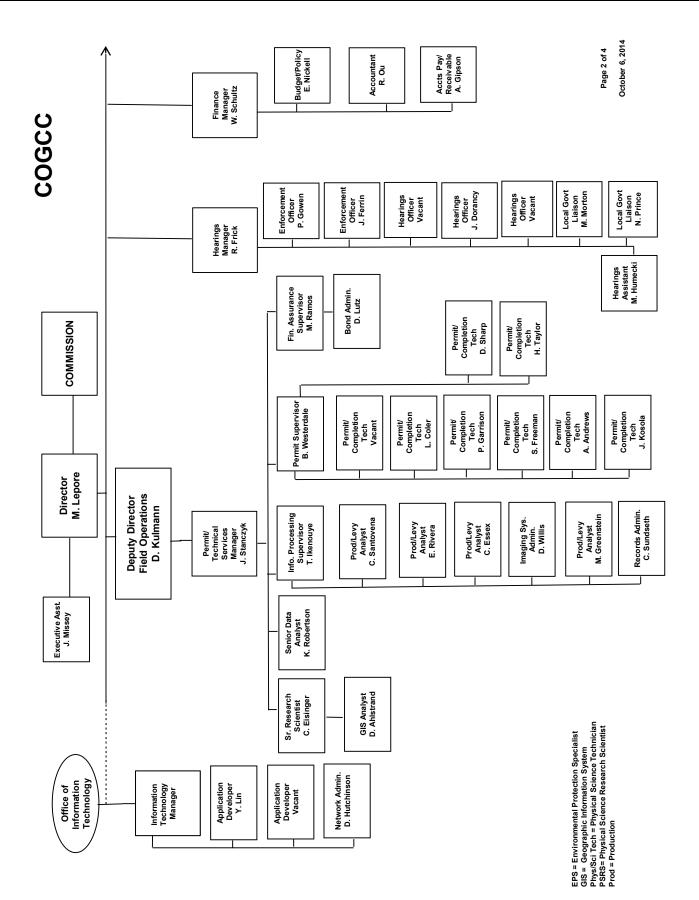
The docket for the December 2014 hearing will be available shortly after the October hearing. Hearing dockets are available on our website by clicking on "Hearings." Links to the notices and hearing applications are available from the Docket Number and Applicant, respectively. To sign up for e-mail notification of hearing notices and applications, please see the announcement and instructions on the homepage of the website: http://cogcc.state.co.us.

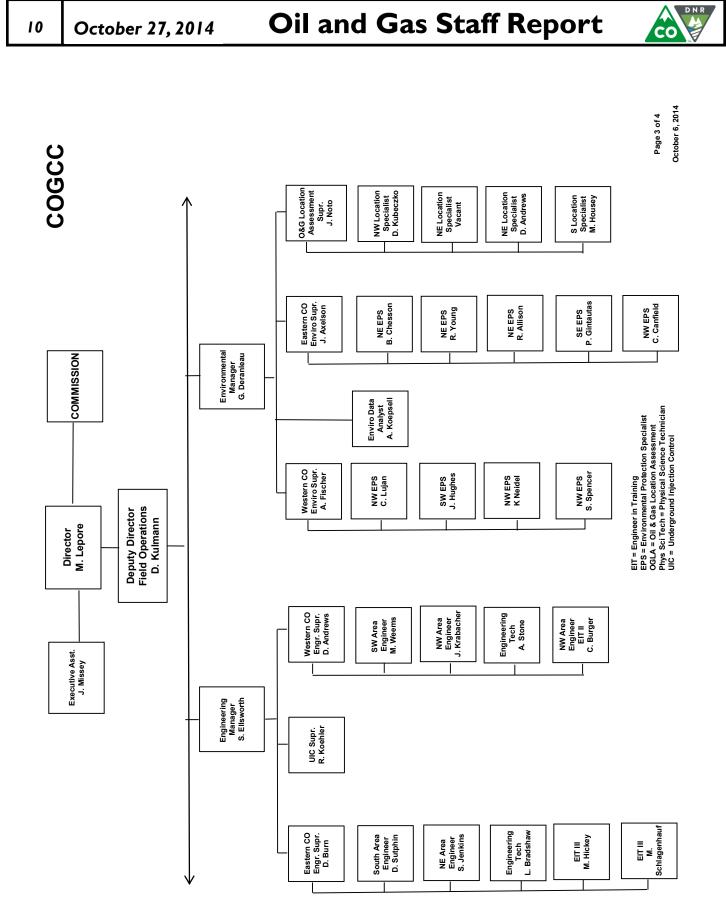






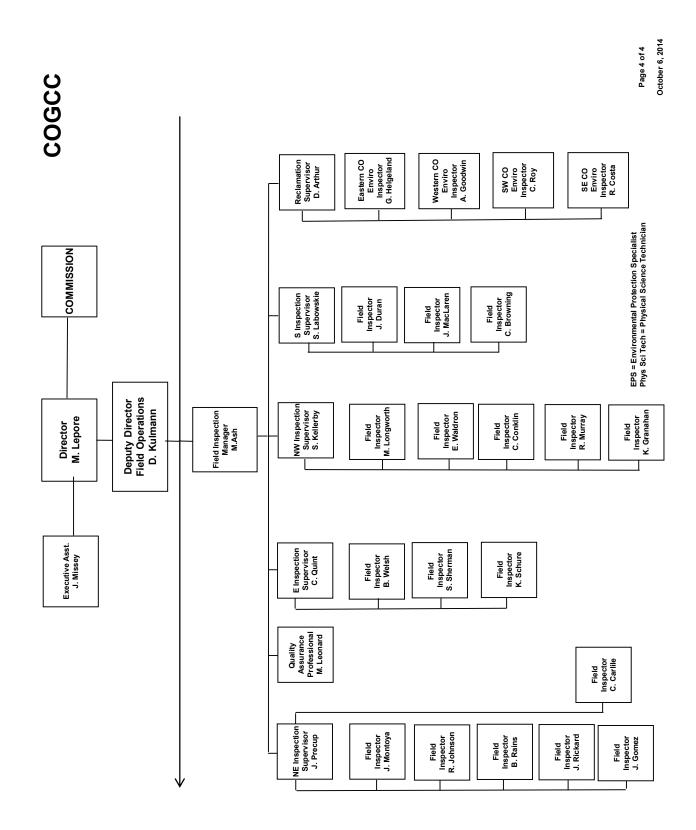
Oil and Gas Staff Report





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| PLANNED | | | | | EST | FISCAL YEAR 2014-15 ESTIMATED TOTAL PROJECT COST | AL YEAR 2014 - PROJECT CO | FISCAL YEAR 2014-15 ESTIMATED TOTAL PROJECT COST FY 2014-15 YTD E | FY 2 | 014-15 YTD E | FY 2014-15 YTD EXPENDITURES | | | 12 |
|--------------------|----------|------------------------------------|------------|-----------|---|---|--|--|---------------------|-----------------------------|--|---------------|--|-----|
| COUNTY | TYPE | PROJECT NAME | PROJECT # | Acct Code | BOND | PRAW | EMGY | TOTALS | BOND | PRAW | EMGY | TOTALS | DESCRIPTION | |
| Rio Blanco Baca | PA PA | Gentry Wallace Oil and Gas ROND | EVF2008-12 | GENT | \$0 \$30.000 | \$48,000 \$60.000 | \$0 | \$48,000 \$90.000 | | | | \$0 | Plug and abandon BONDS claimed in 2004 | JC |
| 5 | | | | | sub-total | \$108,000 | 2 | 0001004 | | | | | | to |
| La Plata | PA | Noel Reynolds Ester #1 BOND | FYE2014-03 | NOEL | \$30,000 | \$20,000 | \$0 | \$50,000 | | | | \$0 | Located in Red Mesa Field; Bond claimed in 2011 | be |
| Fremont | PA | Fremont Co-Group #3 - Five Wells | FYE2014-09 | FREM | \$0 | \$50,000 | \$0 | \$50,000 | | | | | Five more wells needing to be plugged in the Florence Field. | r |
| Baca | РА | Chapman #1 | FYE2008-42 | CHAP | \$0 | \$45,000 | \$0 | \$45,000 | | | | \$0 | Open casing 4' above GL. Heard "gas bubbling through liquid down hole" during 1998 inspection. Tagged bottom at 189' during 2007 inspection: no evidence of leaking. | 27, |
| La Plata | PA | Stewart #1 | FYE2007-02 | STEW | \$0 | \$80,000 | \$0 | \$80,000 | | | | \$0 | Drilled dry & aband 1949, appears to have fresh water flowing, located in ravine making difficult for rig access; located on recently acquired SUIT lands | 201 |
| | | | | | sub-total | \$195,000 | | | | | | | | 4 |
| | | TOTALS => | | | \$60,000 | \$303,000 | \$0 | \$363,000 | \$0 | \$0 | \$0 | \$0 | | |
| IN PROGRESS | | | | | | | | | | | | | | |
| Mesa | PA | DB Orohan Blair #1 | FYF2014-01 | DFB1 | \$0 \$0 | ESTIMATED TOTAL PROJECT COST 86 80 80 80 80 80 80 | - PROJECT C | 365 069 | \$0 FY 2 | 014-15 YTD E | FY 2014-15 YTD EXPENDITURES | \$0 | Have canned well and stonned water flow. Re-enter: PA | |
| Mesa | PA | Pasture #1 | FYE2013-06 | HSTD | \$0 | \$5,000 | 0\$ | \$5,000 |) } | | | | Least opposed, will study for any install PA marker and repair the gate to the location. Plans are to piggy back it with the Debeuve Water Flow to save on mobilization charges. | |
| Washington | PA | Flessner #13 | FYE2014-02 | FLES | 0\$ | \$45,500 | \$0 | \$45,500 | | | | \$0 | DA 1955; Surf owner/farmer complaint, located in a cultivated farm and impeding farming operations. | |
| Larimer | PA | Akerman #1 | FYE2014-06 | AKER | 0\$ | \$40,000 | | \$40,000 | | | | \$0 | Well has open 4 1/2" at surface with water flowing out of csg | a |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | | | | | | | 0¢ | | | | 0¢ | | |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | TOTALS => | | | \$0 | \$155,569 | \$0 | \$155,569 | \$0 | \$0 | \$0 | \$0 | | 3 |
| COMPLETED | | | | | μa | | | TeT | 5 | 014 45 VTD E | EV 2014 15 VTD EVDENDITIDES | | | a |
| COUNTY | TYPE | PROJECT NAME | | Acct Code | BOND | PRAW | EMGY | | BOND | PRAW | EMGY | I | DESCRIPTION | 3 |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | | | | | | | \$0 | | | | \$0 | | a |
| | | | | | | | | \$0 | | | | \$0 | | |
| | | TOTALS => | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | |
| | | GRAND TOTALS => | | | ESTIA BOND \$60,000 | ESTIMATED TOTAL PROJECT COSTS ID PRAW EMGY TO 00 \$458,569 \$0 \$51 | PROJECT CC EMGY \$0 | STS 10TALS \$518,569 | FY 2 BOND \$0 | 014-15 YTD E PRAW \$0 | FY 2014-15 YTD EXPENDITURES PRAW EMGY \$0 \$0 | TOTALS \$0 | | lep |
| | | | | | | | | | | | | | | |
| | | | | | | SCOREBOARD (PF IN PROGRESS ESTIMATED TOTALS IN PROGRESS SPENT TO DATE TOTALS IN PROGRESS SPENTING TOTAL S | SCORE S ESTIMATED S SPENT TO C | SCOREBOARD (PRAW FUNDING ONLY) TIMATED TOTALS ENT TO DATE TOTALS MAINING TOTALS | AW FUNDING | ONLY) | | | | r L |
| | | | | | \$155,569 \$155,569 \$445,000 \$2800 434 | IN FRUGRESS REMAINING TO TAIL COMPLETED TO DATE TOTALS SUM OF (IN PROGRESS TOTAL ANNUAL ALLOTMENT BUDGET BAI ANCE PRO LECTED TO DAT | TO DATE TOT ROGRESS TO TMENT BUD | IN FACTORES FORMENNEST FOR A COMPLETED TO DATE TOTALS SUM OF (IN PROGRESS TOTALS) AND (COMPLETED TO DATE TOTALS) ANNUAL ALLOTMENT BUDGET TOTAL | OMPLETED T | O DATE TOTA | rs) | | | |
| | | | | | | | | | | | | | | co |

Project Types: "PA" indicates plugging and abandonment, "REC" indicates reclamation, and "ENV" indicates environmental remediation EMOY: indicates inding by the *Emergency Response* line item TBD: Cost estimates in process in process. The *Plugging and Reclaiming Abandoned Wells* line item

D N R

October 27, 2014

Oil and Gas Staff Report

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Colorado Oil & Gas Conservation Commission Monthly Permit Activity

| | Backlog | Received | Approved | Withdrawn | Rejected | Incomplete | In-Process | Remaining |
|-----------------|---------|----------|----------|-----------|----------|------------|------------|-----------|
| Form2A | | | | | | | | |
| Sep-13 | 278 | 56 | 109 | 0 | 0 | 68 | 157 | 225 |
| Oct-13 | 225 | 68 | 88 | 6 | 0 | 69 | 130 | 199 |
| Nov-13 | 199 | 72 | 85 | 6 | 0 | 57 | 123 | 180 |
| Dec-13 | 179 | 68 | 71 | 6 | 0 | 57 | 113 | 170 |
| Jan-14 | 170 | 90 | 43 | 7 | 0 | 47 | 163 | 210 |
| Feb-14 | 210 | 91 | 94 | 3 | 0 | 51 | 153 | 204 |
| Mar-14 | 204 | 110 | 88 | 4 | 0 | 48 | 174 | 222 |
| Apr-14 | 222 | 89 | 99 | 18 | 0 | 25 | 169 | 194 |
| May-14 | 194 | 83 | 94 | 7 | 0 | 26 | 150 | 176 |
| Jun-14 | 176 | 134 | 92 | 3 | 0 | 30 | 185 | 215 |
| Jul-14 | 215 | 97 | 126 | 3 | 0 | 28 | 148 | 183 |
| Aug-14 | 176 | 111 | 87 | 4 | 0 | 36 | 160 | 196 |
| Sep-14 | 196 | 101 | 81 | 3 | 0 | 47 | 166 | 213 |
| <u>Drilling</u> | | | | | | | | |
| Sep-13 | 949 | 214 | 361 | 2 | 0 | 160 | 640 | 800 |
| Oct-13 | 800 | 325 | 376 | 12 | 0 | 115 | 622 | 737 |
| Nov-13 | 737 | 389 | 353 | 10 | 0 | 88 | 675 | 763 |
| Dec-13 | 763 | 338 | 367 | 7 | 0 | 110 | 617 | 727 |
| Jan-14 | 727 | 278 | 232 | 77 | 0 | 75 | 621 | 696 |
| Feb-14 | 696 | 284 | 297 | 4 | 0 | 109 | 570 | 679 |
| Mar-14 | 679 | 367 | 329 | 13 | 0 | 103 | 601 | 704 |
| Apr-14 | 704 | 276 | 317 | 16 | 0 | 63 | 584 | 647 |
| May-14 | 647 | 458 | 383 | 16 | 0 | 53 | 653 | 706 |
| Jun-14 | 706 | 429 | 377 | 8 | 0 | 62 | 688 | 750 |
| Jul-14 | 750 | 272 | 446 | 2 | 0 | 65 | 509 | 574 |
| Aug-14 | 574 | 374 | 259 | 24 | 0 | 90 | 575 | 665 |
| Sep-14 | 665 | 411 | 304 | 21 | 0 | 109 | 642 | 751 |
| Recompletion | | | | | | | | |
| Sep-13 | 13 | 9 | 5 | 0 | 0 | 0 | 17 | 17 |
| Oct-13 | 17 | 5 | 9 | 0 | 0 | 0 | 12 | 13 |
| Nov-13 | 13 | 4 | 13 | 0 | 0 | 0 | 4 | 4 |
| Dec-13 | 4 | 3 | 4 | 0 | 0 | 0 | 3 | 3 |
| Jan-14 | 3 | 3 | 2 | 0 | 0 | 0 | 4 | 4 |
| Feb-14 | 4 | 6 | 4 | 0 | 0 | 0 | 6 | 6 |
| Mar-14 | 6 | 4 | 6 | 0 | 0 | 0 | 4 | 4 |
| Apr-14 | 4 | 2 | 3 | 0 | 0 | 1 | 2 | 3 |
| May-14 | 3 | 2 | 2 | 0 | 0 | 1 | 2 | 3 |
| Jun-14 | 3 | 3 | 0 | 0 | 0 | 1 | 5 | 6 |
| Jul-14 | 6 | 2 | 5 | 0 | 0 | 0 | 3 | 3 |
| Aug-14 | 3 | 4 | 3 | 0 | 0 | 0 | 4 | 4 |
| Sep-14 | 4 | 1 | 3 | 0 | 0 | 1 | 1 | 2 |

Received Applications 1200 1000 800 Applications 600 400 200 0 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14 Mar-14 May-14 Jun-14 Jul-14 Aug-14 Sep-14 Apr-14 □ Received Form 2A □ Received Drilling Received Recompletion **Approved Applications** 700 600 500 400 400 300 200 100 0 Oct-13 Nov-13 Dec-13 Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14 Sep-14 Sep-13 Jan-14 Approved Form 2A □ Approved Drilling Approved Recompletion

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

Oil and Gas Staff Report



Colorado Oil and Gas Conservation Commission

Status of Permit Applications Filed By Month

October 3, 2014

| | | | | | | | | | | Carata |
|-------|--------|-----------------|------------------|-----------|-----|------------|---------|------------------|----------|---------|
| | | | | | | Descent !- | Median | Less Thora | 20 4- 40 | Greater |
| Maaaa | Manakh | Deschard | A | | | Percent In | | Less Than | | Than 50 |
| Year | Month | | | Withdrawn | | | Process | 30 Days | Days | Days |
| 2011 | Total | 2391 | 2298 | | | | | 1416 | 620 | 262 |
| 2012 | Total | 1359 | 1289 | 68 | 2 | 0% | | 706 | 378 | 205 |
| 2013 | 1 | 177 | 163 | 12 | 2 | 1% | 35 | <mark>9</mark> 9 | 45 | 19 |
| 2013 | 2 | 91 | 83 | 8 | 0 | 0% | 34 | 42 | 29 | 12 |
| 2013 | 3 | 131 | 122 | 9 | 0 | 0% | 51 | 41 | 46 | 35 |
| 2013 | 4 | 150 | 141 | 7 | 2 | 1% | 40 | 47 | 69 | 25 |
| 2013 | 5 | 105 | 100 | 4 | 1 | 1% | 42 | 47 | 32 | 21 |
| 2013 | 6 | 107 | 89 | 16 | 2 | 2% | 50 | 28 | 41 | 20 |
| 2013 | 7 | 204 | 198 | 3 | 3 | 1% | 69 | 11 | 71 | 116 |
| 2013 | 8 | 58 | 56 | 2 | 0 | 0% | 62 | 7 | 18 | 31 |
| 2013 | 9 | 56 | 53 | 3 | 0 | 0% | 56 | 13 | 18 | 22 |
| 2013 | 10 | 63 | 61 | 2 | 0 | 0% | 53 | 12 | 24 | 25 |
| 2013 | 11 | 76 | 70 | 5 | 1 | 1% | 50 | 18 | 24 | 28 |
| 2013 | 12 | <mark>68</mark> | 61 | 6 | 1 | 1% | 61 | 4 | 16 | 41 |
| 2013 | Total | 1286 | 1197 | 77 | 12 | 1% | | 369 | 433 | 395 |
| | | | | | | | | | | |
| 2014 | 1 | 85 | 82 | 3 | 0 | 0% | 54 | 12 | 36 | 34 |
| 2014 | 2 | 88 | 85 | 1 | 2 | 2% | 52 | 11 | 36 | 38 |
| 2014 | 3 | 113 | 108 | 5 | 0 | 0% | 47 | 30 | 42 | 36 |
| 2014 | 4 | 80 | 72 | 6 | 2 | 3% | 43 | 18 | 35 | 19 |
| 2014 | 5 | 92 | <mark>8</mark> 6 | 3 | 3 | 3% | 49 | 13 | 34 | 39 |
| 2014 | 6 | 134 | 106 | 3 | 25 | 19% | 37 | 36 | 54 | 16 |
| 2014 | 7 | 100 | <mark>8</mark> 6 | 2 | 12 | 12% | 35 | 37 | 38 | 11 |
| 2014 | 8 | 102 | 59 | 1 | 42 | 41% | 30 | 33 | 23 | 3 |
| 2014 | 9 | 119 | 10 | 2 | 107 | 90% | 21 | 9 | 1 | 0 |
| 2014 | Total | 913 | 694 | 26 | 193 | 21% | | 199 | 299 | 196 |

Form 2A Location Assessment

Form 2 Application For Permit to Drill (APDs)

| | | | | pplication | | | | : | | Create |
|------|-------|------|------|------------|-----|------------|---------|-----------|------|---------|
| | | | | | | | Median | | | Greater |
| | | _ | | | | Percent In | | Less Than | | Than 50 |
| Year | Month | | | Withdrawn | | | Process | 30 Days | Days | Days |
| 2011 | Total | 4691 | 4557 | 132 | 0 | 0% | | 2723 | 1565 | 587 |
| 2012 | Total | 3955 | 3816 | 139 | 0 | 0% | | 1971 | 1393 | 602 |
| 2013 | 1 | 562 | 542 | 18 | 2 | 0% | 36 | 278 | 179 | 86 |
| 2013 | 2 | 242 | 228 | 14 | 0 | 0% | 36 | 78 | 126 | 38 |
| 2013 | 3 | 333 | 320 | 13 | 0 | 0% | 43 | 123 | 119 | 84 |
| 2013 | 4 | 327 | 314 | 13 | 0 | 0% | 40 | 105 | 153 | 59 |
| 2013 | 5 | 369 | 340 | 27 | 2 | 1% | 40 | 111 | 181 | 59 |
| 2013 | 6 | 330 | 305 | 22 | 3 | 1% | 47 | 110 | 131 | 66 |
| 2013 | 7 | 796 | 762 | 11 | 23 | 3% | 66 | 106 | 218 | 449 |
| 2013 | 8 | 313 | 308 | 4 | 1 | 0% | 65 | 13 | 138 | 162 |
| 2013 | 9 | 188 | 186 | 2 | 0 | 0% | 71 | 21 | 66 | 106 |
| 2013 | 10 | 339 | 332 | 7 | 0 | 0% | 72 | 22 | 89 | 228 |
| 2013 | 11 | 373 | 357 | 11 | 5 | 1% | 60 | 49 | 147 | 166 |
| 2013 | 12 | 380 | 311 | 66 | 3 | 1% | 68 | 30 | 79 | 204 |
| 2013 | Total | 4552 | 4305 | 208 | 39 | 1% | | 1046 | 1626 | 1707 |
| | | | | | | | | | | |
| 2014 | 1 | 261 | 255 | 5 | 1 | 0% | 56 | 35 | 117 | 107 |
| 2014 | 2 | 298 | 285 | 13 | 0 | 0% | 58 | 37 | 94 | 159 |
| 2014 | 3 | 359 | 351 | 8 | 0 | 0% | 52 | 50 | 133 | 173 |
| 2014 | 4 | 223 | 212 | 10 | 1 | 0% | 47 | 20 | 121 | 73 |
| 2014 | 5 | 501 | 451 | 1 | 49 | 10% | 57 | 40 | 155 | 258 |
| 2014 | 6 | 439 | 360 | 37 | 42 | 10% | 45 | 111 | 138 | 114 |
| 2014 | 7 | 287 | 224 | 6 | 57 | 20% | 38 | 62 | 119 | 45 |
| 2014 | 8 | 353 | 195 | 1 | 157 | 44% | 34 | 61 | 124 | 13 |
| 2014 | 9 | 413 | 26 | 6 | 381 | 92% | 21 | 24 | 2 | 0 |
| 2014 | Total | 3134 | 2359 | 87 | 688 | 22% | | 440 | 1003 | 942 |



| October | 27, 2014 | |
|---------|----------|--|
| | 27,2014 | |

| | | | | | | | ۸ | | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|-----------|-----------|------------|-----------|------------|-------------|------------|------------|------------|-------------|------------|------------|---------------------------------|
| | | | | | | | <u>A</u> | ININ | JAL | <u>. DF</u> | | IING | | <u>RM</u> | 15 | <u>bt</u> | | | <u> </u> | | | | | | | | current |
| COUNTY | <u>1988</u> | <u>1989</u> | <u>1990</u> | <u>1991</u> | <u>1992</u> | <u>1993</u> | <u>1994</u> | <u>1995</u> | <u>1996</u> | <u>1997</u> | <u>1998</u> | <u>1999</u> | 2000 | <u>2001</u> | 2002 | 2003 | 2004 | 2005 | 2006 | <u>2007</u> | 2008 | 2009 | 2010 | <u>2011</u> | 2012 | 2013 | as of 10/5/14 <u>2014</u> |
| 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 | 40 | 40 | 30 |
| 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 | 35 | 23 | 23 |
| ARCHULETA BACA | 8 | 5 | 18 15 | 5 10 | 2 23 | 1 | 12 | 3 24 | 10 | 3 | 13 | 1 15 | 7 | 9 | 6 2 | 10 3 | 8 | 13 8 | 14 | 26 11 | 47 13 | 11 | 18 4 | 12 | 5 | 4 | 3 |
| BENT BOULDER | 1 | | 1 | 1 13 | 38 | 2 159 | 2 38 | 4 | 2 | 5 | 3 | 5 | 2 | 5 | 6 | 7 | 5 17 | 3 13 | 8 21 | 1 37 | 1 32 | 35 | 5 24 | 30 | 2 22 | 1 | |
| BROOMFIELD | 203 | 149 | 102 | 93 | 71 | 58 | 48 | 55 | 43 | | 41 | 7 | 3 | 3 | 2 | 7 | 3 | 1 | 1 | 15 | 2 | 33 | 28 | 11 | 36 31 | 50 | 22 |
| CHEYENNE COSTILLA | | 149 | | | /1 | 50 | 40 | 55 | 43 | 31 | 41 | 1 | 3 | 3 | 3 | 3 | 3 | 10 | 21 | 15 | 33 | 12 | 13 | 16 | 31 | 50 | |
| CROWLEY DELTA | 1 | 1 | 1 | 1 | | | | | | | | | | | 7 | 4 | 5 | 10 | 9 | 2 | | | 4 | 3 | 6 | 1 | 2 |
| DENVER DOLORES | 2 | | 4 | 1 | 2 | 1 | | | | 5 | 3 | 3 | | 3 | | 1 | 1 | 1 | 19 6 | 25 10 | 24 12 | 21 | | 8 | 13 | 12 | 3 |
| EAGLE | | | | | | | | | | | | | | | | | 1 | - 1 | | 10 | 12 | | 8 | | | 1 | |
| ELBERT EL PASO | 9 | 12 | 8 | 5 | 3 | | 2 | 13 | 16 | 11 | 1 | | 2 | | | | | | 4 | | | 1 | 3 | 1 | 2 18 | 2 | 4 |
| FREMONT GARFIELD | 9 19 | 5 | 6 111 | 7 36 | 1 18 | 2 56 | 2 143 | 1 78 | 2 109 | 1 141 | 95 | 130 | 213 | 353 | 362 | 567 | 1 796 | 3 1509 | 2 1845 | 4 2550 | 14 2888 | 13 1981 | 22 2037 | 14 1323 | 11 1046 | 2 870 | 6 742 |
| GRAND | 19 | 66 | | | 10 | | 143 | /0 | 109 | 141 | 90 | 130 | 213 | | | | | | | | | | | | | | |
| GUNNISON HUERFANO | 3 | 5 | 2 | 2 | 17 | 1 | 3 | 2 | 1 | 3 | 40 | 26 | 41 | 27 | 5 27 | 10 | 1 | 9 | 19 | 7 | 10 7 | 12 | 4 | 3 | 11 9 | 9 1 | 16 10 |
| JACKSON JEFFERSON | 3 | 1 | 4 | 6 | 2 | 2 | 3 | 2 | 2 | 6 | 3 | 2 | 34 1 | 18 | 21 | 9 | 14 | 6 | 8 | 5 | 27 2 | 19 | 9 | 18 | 5 | 12 1 | 14 |
| 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 | 17 | 12 | 5 |
| KIT CARSON LA PLATA | 9 302 | 5 218 | 7 388 | 8 128 | 8 120 | 15 40 | 26 40 | 11 20 | 7 71 | 6 40 | 9 82 | 5 107 | 127 | 156 | 104 | 1 162 | 3 102 | 5 115 | 4 235 | 4 251 | 13 328 | 7 298 | 3 191 | 2 99 | 6 71 | 1 32 | 2 57 |
| LARIMER LAS ANIMAS | 4 | 4 30 | 3 36 | 6 | 13 | 7 | 3 32 | 95 | 1 134 | 3 136 | 1 195 | 195 | 2 268 | 400 | 1 259 | 180 | 332 | 1 413 | 500 | 5 362 | 46 303 | 12 88 | 41 92 | 8 85 | 13 11 | 2 | 4 |
| LINCOLN | 8 | 6 | 4 | 7 | 7 | 11 | 8 | 9 | 3 | 2 | | 100 | 2 | 2 | 1 | 6 | 3 | 4 | 1 | 2 | 58 | 44 | 48 | 31 | 36 | 87 | 105 |
| LOGAN MESA | 18 | 21 12 | 23 29 | 13 20 | 14 22 | 30 | 15 22 | 13 6 | 6 11 | 12 10 | 7 | 6 | 4 13 | 7 27 | 3 30 | 3 27 | 6 54 | 13 136 | 17 265 | 14 293 | 5 501 | 9 427 | 17 306 | 8 127 | 27 150 | 4 | 5 52 |
| MOFFAT MONTEZUMA | 13 6 | 25 7 | 27 10 | 19 8 | 40 7 | 52 11 | 43 15 | 40 9 | 41 13 | 28 5 | 21 4 | 15 1 | 35 4 | 52 | 62 5 | 63 8 | 63 8 | 60 11 | 120 5 | 68 12 | 57 22 | 51 39 | 53 19 | 93 27 | 88 29 | 44 14 | 46 19 |
| MONTROSE | | | | 1 | | | | | | 1 | | | 1 | 3 | 2 | 4 | 2 | | 1 | 3 | 3 | | 1 | 1 | | | |
| MORGAN OTERO | 34 | 27 | 36 | 13 2 | 10 | 11 | 19 | 12 | 10 | 11 | 10 | 12 | 9 | 9 | 2 | 7 | 9 | 7 | 3 | 6 | 2 | 1 | 6 | 13 | 5 | 16 | 6 |
| PARK PHILLIPS | | | 3 | 1 | 1 | 1 | | | | | | 1 | 1 | 2 | | 7 | 13 | 17 | 12 | 69 | 82 | 3 45 | 4 64 | 1 112 | 56 | | 7 |
| PITKIN | | 1 | | | 2 | | | | | | | | | | | 1 | 1 | | | 1 | | | | | 50 | | 1 |
| PROWERS RIO BLANCO | 19 34 | 9 83 | 5 77 | 10 33 | 14 81 | 7 | 3 126 | 5 81 | 5 33 | 3 40 | 9 51 | 3 95 | 2 89 | 5 187 | 4 105 | 179 | 7 154 | 5 161 | 7 360 | 5 321 | 8 477 | 1 348 | 3 441 | 1 109 | 117 | 167 | 77 |
| RIO GRANDE ROUTT | 2 | 3 | 4 | 1 | 2 | 3 | 1 | 2 | 1 | 1 | 1 | 4 | 1 20 | 1 13 | 1 | 1 | 4 | 6 | 9 | 8 | 1 | 1 | 3 | 10 | 2 | 12 | 1 4 |
| SAGUACHE | 1 | | | | | | | 2 | | | | | 2 | | 2 | | | | | 2 | 1 | 2 | | | | | |
| SAN MIGUEL SEDGWICK | | | 2 | 2 | | | | 3 | 1 | 1 | 4 | 2 | 11 | 13 | 27 | 18 1 | 42 5 | 45 2 | 35 7 | 23 2 | 20 | 13 19 | 10 11 | 2 12 | 1 | | 2 |
| WASHINGTON WELD | 40 424 | 29 357 | 23 366 | 28 656 | 24 1224 | 26 1319 | 25 1030 | 12 254 | 19 305 | 26 285 | 18 392 | 3 288 | 23 509 | 17 702 | 27 760 | 34 757 | 128 832 | 50 901 | 69 1418 | 45 1527 | 11 2340 | 1 1448 | 6 2152 | 12 2262 | 6 1826 | 19 2468 | 10 1672 |
| 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 | 11 | 9 | 52 |
| 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 | 3773 | 4025 | 3008 |
| 9000 T | | | | | | | | | | | | 4 | ILL COU | NTIES | | | | | | | | | | | | | |
| 8000 - | | | | | | | | | | | | | | | | | | | | 8 | 027 | | | | | | |
| 7000 - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6000 - | | | | | | | | | | | | | | | | | | 5 | 6 904 | 368 | | - | 5996 | | | | |
| 5000 - | | | | | | | | | | | | | | | | | | | | | | 5159 | | 4659 | | | |
| 4000 - | | | | | | | | | | | | | | | | | 43 | 164 | | | | | | | 3773 | 4025 | |
| 3000 - | | | | | | | | | | | | | | | | 29 | 17 | | | | | | | | | | 3008 |
| 2000 - | | | | 2001 | 2065 | 2008 | | | | | | | 227 | 73 200 | 224 18 | 49 | | | | | | | | | | | |
| 1000 - | 1186 | 1477 | 1320 | | | | 1002 | 1002 | 1002 | 1157 | 101 | 152 0 | 9 | | | | | | | | | | | | | | |
| 0 | 1000 | 1000 | 1001 | | 1000 | | 1005 | | | | | | | | | | | | | | | | | | | | |
| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 9 200 | 0 200 |)1 200 | 2 200 | 03 20 | 04 20 | 05 20 | JUB 21 | 007 2 | 008 3 | 2009 : | 2010 | 2011 | 2012 | 2013 | 2014 |

2% DA PA Ś Completion 10 1455 0% 42% 42 ³ 19 39 01 w РВ AC 34 Total Spud Permit Spud 58.4% 15 $\frac{9}{13}$ Spud 56.1% Permit ∞ ! 11 ø Permit Spud Horizontal Well Activity <u>17</u> 22 $\frac{14}{18}$ October 5, 2014 Permit Spud 19.3% . 18 S σ Permit Spud 16 5.6% ŝ Permit Spud 4 0 23 2.8% Prior Years Drilled DA PA 9% 16% 7 2 Ē 28 10 3 m Percent of Total HZ Total All Permits Percent of Total **TOTAL Horizontal** MONTEZUMA MORGAN PARK WASHINGTON LA PLATA LARIMER LAS ANIMAS LINCOLN LOGAN RIO BLANCO SAN MIGUEL JACKSON KIOWA KIT CARSON ADAMS ARAPAHOE ARCHULETA FREMONT GARFIELD GUNNISON HUERFANO BOULDER CHEYENNE DELTA DOLORES EL PASO ELBERT MOFFAT County MESA ROUTT WELD YUMA BENT

October 27, 2014

Colorado Oil and Gas Conservation Commission





Well to Building Setback Review Colorado Oil and Gas Conservation Commission October 5, 2014

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 | 2013 | 201 4 | Number of Locations | Percent of Total Locations |
|------------------------------------|------|------|------|------|------|--------------|------------------------|-------------------------------|
| less than 150 feet | 2 | 3 | 3 | 2 | 0 | 3 | 13 | 0% |
| 150 to 350 feet | 37 | 58 | 61 | 39 | 34 | 32 | 261 | 3% |
| 350 to 500 feet | 50 | 110 | 97 | 61 | 64 | 34 | 416 | 5% |
| 500 to 1000 feet | 117 | 385 | 331 | 188 | 188 | 126 | 1335 | 17% |
| 1000 + feet | 356 | 1705 | 1470 | 838 | 762 | 525 | 5656 | 74% |
| Total Locations | 562 | 2261 | 1962 | 1128 | 1048 | 720 | 7681 | |

| | | Less than 150 | | | | |
|------------|-------|---------------|-----------------|-----------------|------------------|-------------|
| County | Total | feet | 150 to 350 feet | 350 to 500 feet | 500 to 1000 feet | 1000 + feet |
| ADAMS | 60 | 0 | 4 | 5 | 14 | 37 |
| ARAPAHOE | 78 | 0 | 2 | 4 | 9 | 63 |
| ARCHULETA | 18 | 0 | 0 | 1 | 9 | 8 |
| BACA | 14 | 0 | 0 | 0 | 1 | 13 |
| BENT | 7 | 0 | 0 | 0 | 0 | 7 |
| BOULDER | 23 | 0 | 1 | 1 | 17 | 4 |
| BROOMFIELD | 33 | 0 | 0 | 4 | 13 | 16 |
| CHEYENNE | 128 | 0 | 0 | 0 | 2 | 125 |
| CROWLEY | 2 | 0 | 0 | 0 | 0 | 2 |
| DELTA | 7 | 0 | 0 | 2 | 1 | 4 |
| DOLORES | 19 | 0 | 0 | 0 | 7 | 12 |
| EAGLE | 1 | 0 | 0 | 0 | 0 | 1 |
| EL PASO | 14 | 0 | 0 | 0 | 3 | 11 |
| ELBERT | 8 | 0 | 0 | 0 | 2 | 6 |
| FREMONT | 37 | 0 | 2 | 7 | 7 | 21 |
| GARFIELD | 495 | 0 | 9 | 5 | 70 | 411 |
| GUNNISON | 32 | 0 | 0 | 3 | 1 | 27 |
| HUERFANO | 14 | 0 | 0 | 0 | 4 | 10 |
| JACKSON | 40 | 0 | 0 | 3 | 1 | 36 |
| KIOWA | 63 | 0 | 0 | 0 | | 62 |
| KIT CARSON | 14 | 0 | 0 | 0 | 0 | 14 |
| LA PLATA | 112 | 0 | 4 | 13 | 34 | 61 |
| LARIMER | 34 | 0 | 5 | 3 | 10 | 16 |
| LAS ANIMAS | 201 | 0 | 6 | 7 | 37 | 150 |
| LINCOLN | 320 | 0 | 1 | 2 | 4 | 313 |
| LOGAN | 43 | 0 | 1 | 1 | 0 | 41 |
| MESA | 87 | 0 | 0 | 3 | 14 | 70 |
| MOFFAT | 164 | 0 | 0 | 2 | 14 | 148 |
| MONTEZUMA | 36 | 0 | 0 | 1 | 4 | 31 |
| MONTROSE | 2 | 0 | 0 | 0 | 0 | 2 |
| MORGAN | 28 | 0 | 0 | 2 | 4 | 22 |
| PARK | 4 | 0 | 0 | 0 | 0 | 4 |
| PHILLIPS | 269 | 0 | 4 | 6 | 20 | 238 |
| PROWERS | 4 | | 0 | 0 | 0 | 4 |
| RIO BLANCO | 167 | | 0 | 0 | | 166 |
| RIO GRANDE | 2 | | 0 | 0 | <u>1</u> 1 | 100 |
| ROUTT | 26 | 0 | 0 | 0 | | 24 |
| SAN MIGUEL | 12 | | 0 | | 2 | 12 |
| SEDGWICK | 28 | 0 | 0 | 0 | 0 3 | 24 |
| WASHINGTON | 58 | | | 0 | 2 | |
| WELD | 4454 | 0 | 2 | 325 | 2 979 | 53 2930 |
| | | | | | | |
| YUMA | 524 | 0 | 9 | 15 | 44 | 456 |



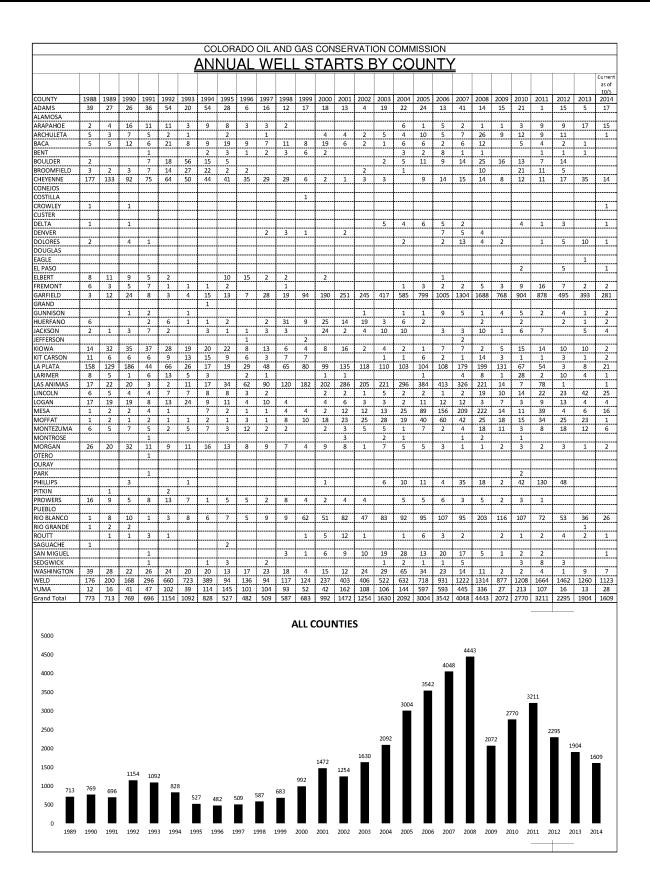
Well to Building Setback Review

Colorado Oil and Gas Conservation Commission October 5, 2014

| | | Listin | ig of Loca | tions less | than 200 |) feet to Bu | ilding |
|------|-----------|------------|------------|------------|----------|--------------|----------------------------------|
| | Document | | High | New | | | |
| Year | Number | County | Density | 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 |
| 2014 | 400569085 | WELD | No | No | 78 | less 150 | Well Shed |
| 2014 | 400600705 | WELD | No | No | 80 | less 151 | Livestock 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 |
| 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 |
| 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 | 151 to 350 | Barn |
| 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 |
| 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 |
| 2009 | 1774783 | WELD | No | No | 199 | 150 to 350 | cement service building |
| 2011 | 400118102 | YUMA | No | Yes | 199 | 150 to 350 | Steel Barn |



Oil and Gas Staff Report





Colorado Oil and Gas Conservation Commission

Active Wells by County and Status as of 10/05/2014

| County | Drilling | Domestic | Injecting | Producing | Shut In | Temp Aband | Waiting on Completion | | Intent to Plug | Total Active Wells |
|-------------------|-----------|----------|-----------|---------------|-----------|---------------|--------------------------|-----|-------------------|-----------------------|
| ADAMS | 22 | | 7 | 863 | 75 | 8 | 1 | 16 | | 992 |
| ARAPAHOE | 22 | 1 | 3 | 122 | 12 | 9 | | 43 | | 212 |
| ARCHULETA | 2 | 5 | | 102 | 9 | 8 | 7 | | | 133 |
| BACA | 1 | | 11 | 129 | 41 | 5 | | 55 | | 242 |
| BENT | | 1 | | 29 | 7 | | 1 | | | 38 |
| BOULDER | | | | 308 | 8 | 1 | | | | 317 |
| BROOMFIELD | | | | 93 | 4 | | | | | 97 |
| CHEYENNE | 17 | | 36 | 320 | 23 | 48 | 4 | | | 448 |
| CROWLEY | 1 | | | | | | | | | 1 |
| DELTA | | | | 4 | 14 | | 1 | | | 19 |
| DENVER | | | 1 | 44 | 4 | | 3 | | | 52 |
| DOLORES | 3 | | 1 | 40 | 3 | 1 | 1 | | | 49 |
| EL PASO | 1 | 1 | | | | 1 | | | | 3 |
| ELBERT FREMONT | 3 | 3 | | 66 62 | 3 | 2 | | | | 71 78 |
| GARFIELD | <u> </u> | 3 | 37 | 62 10148 | 4 185 | 77 | 82 | 1 | | 10834 |
| GANFIELD | 3 | 3 | 37 | 25 | 185 | 1 | 4 | 1 | | 48 |
| HUERFANO | 3 | | 1 | 32 | 5 | 6 | 4 | | | 48 |
| JACKSON | 5 | | 29 | 108 | 46 | 2 | 2 | | | 192 |
| JEFFERSON | | | 29 | 108 | +0 | | 1 | 1 | | 6 |
| KIOWA | 5 | | 10 | 104 | 16 | 4 | | 1 | | 141 |
| KIT CARSON | 2 | 1 | 10 | 104 | 10 | 1 | 1 | | | 21 |
| LA PLATA | 17 | 7 | 31 | 3117 | 110 | 21 | 6 | 28 | | 3337 |
| LARIMER | 2 | 2 | 24 | 178 | 30 | 19 | 2 | | | 257 |
| LAS ANIMAS | | 4 | 18 | 2840 | 79 | 81 | 22 | 3 | | 3047 |
| LINCOLN | 19 | 1 | 8 | 84 | 16 | 2 | 5 | | | 135 |
| LOGAN | 9 | | 15 | 115 | 37 | 29 | 4 | 12 | | 221 |
| MESA | 19 | 1 | 10 | 857 | 130 | 20 | 7 | 9 | | 1053 |
| MOFFAT | 5 | | 8 | 486 | 56 | 36 | 10 | | | 601 |
| MONTEZUMA | 6 | 2 | 6 | 122 | 39 | 13 | 2 | | | 190 |
| MONTROSE | | | | | | 3 | | | | 3 |
| MORGAN | 3 | | 24 | 82 | 85 | 34 | 1 | 79 | | 308 |
| OURAY | | 2 | | | | 1 | | | | 3 |
| PARK | | | | | 1 | | | | | 1 |
| PHILLIPS | 3 | | 3 | 258 | 2 | 1 | 1 | | | 268 |
| PITKIN | | | | | | | | 10 | | 10 |
| PROWERS | | | | 26 | 4 | | | | | 30 |
| RIO BLANCO | 21 | 4 | 289 | 2184 | 293 | 90 | 20 | 4 | | 2905 |
| ROUTT | 1 | 2 | | 31 | 8 | 1 | 2 | | | 45 |
| SAN MIGUEL | 1 | | | 117 | 10 | 2 | | | | 130 |
| SEDGWICK | 1 | | 1 | 13 | 4 | _ | 2 | | | 21 |
| WASHINGTON | 12 | • | 24 | 403 | 42 | 7 | 4 | | | 492 |
| WELD YUMA | 1576 8 | 1 | 39 20 | 18984 3780 | 893 53 | 28 12 | 156 | 2 | | 21679 3901 |
| Totals | 8 2092 | 8 51 | <u> </u> | 46291 | 2367 | 580 | 374 | 264 | 0 | 52679 |

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Colorado Oil Gas Conservation Commission Monthly Statistics

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| 21 |
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| | | | | | Fermits | lits | | | | _ | | | | | | | | | | + | | | BONGS | |
|---------------------------------------|--------|-------|----------|----------|--------------|--------------|------|-----------|----------|-----------|---------|-------|------|-------|------------|---------------|---------|--------|-----------|----------|----------|------------|---------|----|
| YEAR MO | | | Drilling | Recon | Recompletion | Injection | tion | Pits | _ | Locations | | | | | | Public Visits | | Oper | Operators | ors | Release | se | | |
| | Rig Co | щ | ۲ | Rcvd | Å | Rcvd | _ | Rcvd Apvd | щ | Ā | ź | | - | | | | _ | Change | New | Inactive | Ind. | BInkt | Replace | Pu |
| JAN | | | | ø | | 4 | 9 | 4 | 80 | | | | | 43588 | 14 | 95 | 103968 | 815 | - | N | e | - | 4 | |
| E | 61 | 1 343 | 249 | 15 | | ~ | 9 | 5 | | | | | | 43869 | 5 | 80 | 96171 | 356 | - | - | 6 | 4 | 9 | |
| MAR | | | | 18 | | 4 | 2 | 38 | | 262 | 258 | | | 43927 | ი | 125 | 122393 | 596 | N | e | 9 | e | 6 | |
| APR | | | | 26 | | S | 0 | 20 | | | | 241 4 | | 44203 | 80 | 105 | 106539 | 404 | 2 | 0 | e | N | - | |
| MAY | | | | 20 | | e | 9 | 12 | | 214 1 | 171 | 248 | 4904 | 44752 | 14 | 124 | 73024 | 544 | Э | 0 | 5 | 2 | 4 | |
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| d L V L | | | 389 | 5 | | - | C | 35 | | | | | | 46115 | σ | 120 | 116043 | 587 | 1 12 | - | | . <u>г</u> | | |
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| 2011 Total | | | | 325 | | 44 | 32 | | | 2382 22 | 2267 32 | 3220 | | | 187 | 1294 | 1337865 | 6743 | 33 | 31 | 79 | 44 | 43 | |
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| 2012 Total | | | | 154 | | 63 | 44 | 114 | | - | | 2295 | | | 159 | 1305 | 1324443 | 7690 | 47 | 37 | 20 | 46 | 33 | |
| | | | | 9 | | e | 5 | 9 | 00 | | | | 5060 | 50265 | 6 | 108 | 47406 | 655 | e | 5 | 12 | N | P | |
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strative Order of Consent, OFV = Order Finding Violation, Cmplt = Complaint, Comp = Complete Apvd = Approved, Rcvd = Received, Ind = Individual, Binkt = Blanket, Apps = Application for Hearing, NOAV = Notice of Alleged Violation, AOC = Adm

| MONTINIY STATISTICS |
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| ľ | JAN | 0 | 16 | 15 | | 000 | 5 | 33 | 40 | 47 | 45 | 1316 | |
| ; <u> </u> | FEB | 0 | 16 | 15 | 2 | 0 | - | 39 | 52 | 48 | 33 | 1591 | |
| Σ | MAR | 0 | ΝA | AA | 31 | ΝA | ΝA | 31 | 48 | 59 | 27 | 1675 | |
| A | APR | 0 | 24 | 24 | 8 | 0 | | 10 | 52 | 38 | 61 | 959 | |
| Σ | ΜΑΥ | 0 | 77 | 65 | 16 | N | ъ | 26 | 31 | | 51 | 1577 | |
| F | NUL | 0 | 51 | 58 | 30 | | | 14 | 38 | | 25 | 1099 | |
| JL | JUL | 0 | NA | NA | | NA | NA | 13 | 39 | 92 | 20 | 518 | |
| A | AUG | - | 68 | 54 | 26 | | | 19 | 54 | 106 | 56 | 1032 | |
| S | SEP | 0 | 44 | 41 | 4 | 2 | | 16 | 46 | 56 | 66 | 690 | |
| 0 | OCT | e | 57 | 45 | | | 0 | 15 | 38 | | 28 | 636 | |
| Ż | NOV | 0 | ΔN | AN | | ΑN | ΔN | 16 | 31 | 70 | 58 | 739 | |
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| 2011 T | Total | 4 | 403 | 349 | 230 | 10 | 19 | 247 | 527 | 726 | 536 | 12394 | |
| ſſ | JAN | 0 | 70 | 72 | 18 | T | 0 | 27 | 35 | | 23 | 966 | 970 |
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| Σ | MAR | 0 | 44 | 38 | 19 | 0 | | 23 | 38 | | 61 | 2200 | 1149 |
| Ā | APR | 0 | 80 | 59 | ÷ | 0 | 0 | 19 | 35 | | 66 | 1700 | 930 |
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| Σ | МАΥ | 0 | 46 | 50 | 22 | | | 13 | 31 | | 60 | 2615 | 1576 |
| | NUL | 0 | 91 | 44 | 13 | 0 | 0 | 25 | 4 1 4 | | 37 | 1857 | 1102 |
| 5 | JUL | 0 | 96 | | 25 | | | 21 | 47 | 50 | 52 | 2298 | 1339 |
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| 2013 Tr | Total | | 571 | 500 | 237 | 37 | | 201 | 568 | 507 | 541 | 23529 | 13371 |
| | IAN | | 57 | 46 | 25 | 5 | | 0 | 71 | 46 | 28 | 3243 | 1597 |
| ; 正 | FEB | 0 | NA 2 | 2. AN | | NA | ΔA | 16 | 66 | 50 | 131 | 2326 | 1282 |
| Σ | MAR | 0 | 97 | 75 | 36 | 10 | 0 | 23 | 64 | 65 | 31 | 1799 | 1297 |
| A | APR | 0 | 74 | 64 | 17 | 80 | | 20 | 99 | 47 | 59 | 2601 | 1713 |
| Σ | МАΥ | 0 | NA | NA | 12 | ΝA | NA | <u>+</u> | 77 | 45 | 42 | 2403 | 1571 |
| JL | JUN | - | 95 | 06 | 14 | 9 | 1 | 16 | 74 | 44 | 50 | 3148 | 1714 |
| ľ | JUL | 0 | 96 | 96 | 6 | 9 | 0 | 12 | 64 | 60 | 59 | 3027 | 1534 |
| Ā | AUG | 0 | ΝA | ΝA | 8 | NA | ΑN | 30 | 64 | 32 | 58 | 2743 | 1677 |
| ō | SEP | 0 | 73 | 63 | 14 | 7 | - | 18 | 63 | 37 | 50 | 2492 | 1573 |
| 001 A T, | Total | - | 492 | 434 | 158 | 39 | e | 157 | 609 | 426 | 390 | 23782 | 13958 |

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