Colorado Oil and Gas Conservation Commission (COGCC)
Completed Interval Report, Form 5A
Data Field Definitions

NOTE: Changes to the Form 5A, effective June 1, 2012, to accommodate the disclosure requirements are indicated by a preceding asterisk (*****) and ***bold italics***. All other fields are unchanged.

FORM 5A HEADING SUBMITTAL REQUIREMENTS

The Completed Interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a page for each formation. Attach as many pages as required to fully describe the work; list in order of completion. **** The completion date for a formation is the Treatment End Date. Reported quantities shall be the total amounts used and recovered as of the submittal date of this form.***

OPERATOR INFORMATION

1. OGCC Operator Number: COGCC operator number

2. Name of Operator: operator name

3. thru 6. Operator Address: operator address

7. thru 10. Operator Contact: name and information of contact for this form

WELL INFORMATION

11. thru 16. Well Identification and Location: enter basic well identification and location information

17. and 18. Field: enter COGCC field code and name of field in which well is located (eForms: select field name from drop down list)

COMPLETION INFORMATION

19. Formation: report name of completed formation (eForms: select formation from drop down list)

20. Status: report formation status as of the date of form submittal (eForms: select status from drop down list)

21. Date of first production for this formation: report date this formation first produced (eForms: date select tool)

22. This formation is commingled with another formation: check box if this formation is commingled with another formation, leave unchecked if not commingled (eForms: select yes or no from drop down)

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23. thru 26. Tubing Information: report Tubing Size, Setting Depth, Setting Date, and Packer Depth

FORMATION TREATMENT INFORMATION

**** 27. Treatment Type:*** report type of stimulation treatment used in completion of this formation – Fracture Stimulation, Acid Job, Cavitation, or none (leave blank) (eForms: select from drop down list)

28. thru 32. Perforations: report perforation information for the formation

28. and 29. Perforations Top and Bottom: report overall measured depths

- Vertical and Directional Wells
  - for cemented liner or production casing report depths of shallowest perf and deepest perf
  - for a slotted/pre-perforated liner with external swell packers report depth of the shallowest packer and total depth
  - for a slotted/pre-perforated liner *without* external swell packers report production casing setting depth and total depth
  - for an open hole completion report top and bottom of open hole interval (casing setting depth and total depth)
  - if multiple zones perforated in this formation report individual zone depths in #35: brief summary of the formation treatment
- Horizontal Wells
  - for cemented liner or production casing report measured depth of first perf and last perf
  - for a slotted/pre-perforated liner with external swell packers report depth of the base of the first packer and the total measured depth
  - for a slotted/pre-perforated liner *without* external swell packers report production casing setting depth and total depth

30. No. Holes: report total number of perforati*ons in p*roduction casing or cemented liner in this formation

31. Hole Size: report size of perforations in production casing or cemented liner in this formation

32. Open Hole: check box if this formation completion is an Open Hole completion; leave blank if not open hole (eForms: select yes or no from drop down)

**** 33. Treatment Dates: Start:*** report date treatment began (eForms: date select tool)

**** 34. Treatment Dates: End:*** report date treatment concluded (eForms: date select tool)

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35. Provide a brief summary of the formation treatment: describe the treatment, including: type of fluid used (gel, slickwater, etc.), type of acid used (HCl, HF, etc.), types and amounts of proppant(s) used, depth details of multiple zones

**** 36. Total fluid used in treatment (bbl):*** report total volume (in barrels) of all liquids used - treatment fluid, acid, etc.

**** 37. Total gas used in treatment (mcf)***: report total volume (in thousand cubic feet) of gas used; gas is defined as being gaseous at 14.73 psi and 60 degrees Fahrenheit

**** 38. Type of gas used in treatment:*** report type of gas used – Nitrogen, Carbon Dioxide, Propane, Butane, Ethane; leave blank if none (eForms: select gas type from drop down list)

**** 39. Total acid used in treatment (bbl):*** report total volume (in barrels) of acid used, leave blank if none

**** 40. Recycled water used in treatment (bbl):*** report total volume (in barrels) of produced water and/or recycled completion fluids used

**** 41. Fresh water used in treatment (bbl):*** report total volume (in barrels) of fresh water used; water not previously downhole

**** 42. Total proppant used (lbs):*** report total combined amount (in pounds) of all proppants used; if more than one type of proppant used – report types and amounts in #35: brief summary of formation treatment

**** 43. Fracture stimulations must be reported on FracFocus.org:*** reminder to post the chemical disclosure registry form on the FracFocus website within 60 days of the Treatment End Date or if treatment is not completed within 120 days of the Treatment Start Date

**** 44. Max pressure during treatment (psi):*** for stimulation report of a single formation: report maximum surface pressure (in pounds per square inch) observed at fracture initiation (ISIP - instantaneous shut-in pressure) during any stage of stimulation of the formation; for stimulation report of multiple commingled formations: report maximum surface pressure (in pounds per square inch) observed at fracture initiation (ISIP) during any stage of stimulation of any of the commingled formations

**** 45. Fluid density (lbs/gal):*** report the average fluid density (in pounds per gallon) in the casing or frac string at the time the ISIP (instantaneous shut-in pressure) is measured for the frac stage exhibiting the minimum frac gradient compared to any other frac stages in the formation

**** 46. Min frac gradient (psi/ft):*** report frac gradient (in pounds per square inch per foot) corresponding to the frac stage for the reported fluid density which has the minimum calculated frac gradient compared to any other frac stages in the formation

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**** 47. Number of staged intervals:*** report number of stages in fracture treatment of this formation

**** 48. Flowback volume recovered (bbl):*** report total combined volume (in barrels) of treatment fluids and produced water recovered during flowback; recognizing the operational challenge of measuring the flowback, utilize the best measurement method available to determine a meaningful volume for the formation and briefly describe method in comments; report the total volume recovered as of the date the Form 5A is submitted

NOTE: the water volume on Form 7 Monthly Report of Operations (production report) will also be the combined volume of treatment fluids flowback and produced water

**** 49. Disposition method for flowback:*** report if flowback materials will be recycled or disposed of; operator indicates intended disposition even if signed over to a third party (eForms: select disposition from drop down list)

**** 50. Rule 805 Green completion techniques were utilized:*** check the box to indicate that green completion techniques were used; leave box blank if not used

**** 51. Reason why green completion not utilized:*** if green completion techniques were not used, indicate the reason to be either no pipeline available or insufficient reservoir pressure (eForms: select reason from drop down list); leave blank if green completion used

TEST INFORMATION

52. thru 56. Test Information: report the actual results of this formation production test

52. Test date: report date of the production test

53. Bbls oil: report volume (in barrels) of oil produced during test

54. Mcf Gas: report volume (in thousand cubic feet) of gas produced during test

55. Bbls Water: report volume (in barrels) of water produced during test

56. Test hours: report length of time (in hours) for the test

57. thru 59. Calculated 24 hour rate: using the results of the formation production test, calculate the 24 hour rates

57. Bbls oil: report calculated 24 hour rate for oil (in barrels)

58. Mcf Gas: report calculated 24 hour rate for gas (in thousand cubic feet)

59. Bbls Water: report calculated 24 hour rate for water (in barrels)

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60. GOR: report Gas to Oil Ratio as barrels per standard cubic feet (scf) of gas

61. Test Method: report test method used

62. Casing PSI: report casing pressure (in pounds per square inch) observed during the test

63. Tubing PSI: report tubing pressure (in pounds per square inch) observed during the test

64. Choke size: report the choke size used during the test

65. Gas Disposition: report the disposition of the gas as Sold, Vented, Flared, Re-Injected (eForms drop down)

66. Gas Type: report gas type as Wet, Dry, Coal Gas, CO2, Helium (eForms drop down)

67. BTU Gas: report BTU of gas

68. API Gravity Oil: report API gravity of oil

FORMATION ABANDONMENT

69. thru 75. Formation Abandonment: complete this section with details of formation abandonment if formation status is Temporarily Abandoned (TA) or Abandoned (AB)

69. Reason for Non-Production: provide brief explanation of reason this formation is being temporarily abandoned or abandoned

70. Date formation Abandoned: report date the formation was abandoned

71. Squeezed: check Yes or No box to indicate if perforations in this formation were squeezed with cement (eForms drop down)

72. If yes number of sacks cement: if perforations were squeezed, report cement volume (in sacks) used; leave blank if not squeezed

73. Bridge Plug Depth: if bridge plug set to abandon formation, report setting depth; if multiple plugs set, report deepest plug above perfs in this formation; leave blank if none set

74. Sacks cement on top of bridge plug: if cement was set on top of bridge plug, report cement volume (in sacks) used; leave blank if none set

75. Attach wireline and cement job summary: reminder to attach cement job summary for all cement volumes reported on form and wireline job summary for all plugs reported that were set by wireline

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ATTACHMENTS

76. Wellbore Diagram: wellbore diagram - optional attachment

**** 77. Net Pressure Chart:*** chart of treatment pressures showing breakover point - optional attachment

**** 78. Wireline Summary:*** wireline job summary for plugs set by wireline

**** 79. Cement Summary:*** cement job summary for reported cement on plugs or squeezed

80. Other Attachments: additional documents to provide details

Authorization of Submission

81. thru 85.: information of the authorized employee/agent submitting the form.

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