

Form 5 Revisions

RuleMaking and Clarification

January 26, 2021



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**Oil & Gas Conservation
Commission**

Department of Natural Resources

Rule Revisions and Implications

1. Rule 414 has been revised to clarify and add the following:
 - a. A cement job summary is required for all casing strings and will include a daily operations summary and cement verification reports from the cementing contractor.
 - b. The bradenhead action threshold, which is calculated as 30% of the true vertical depth ("TVD") in feet of the surface casing shoe expressed in psig units.
2. Drilling fluid volumes are now required on the Form 5 including total fluids, fresh water, and recycled or reused fluids (Rule 431.b).
3. Casing grade is now required for all casing strings.
4. Rule 410. c. requires an inclination survey for all newly drilled non-deviated wellbores or for the re-entry, recompletion or deepening of an existing wellbore. Inclination survey has been added to the available attachments.

Form 5 requirements changed when the Wellbore Integrity Rules became effective on November 2nd, 2020. If forms are returned to draft, they will convert to the new version of the Form 5. **Staff will contact the operator to discuss the necessity of returning any forms to draft that were submitted prior to November 2, 2020.**



Well Information Tab Revisions

1. GPS Data - The instrument operator's name has been removed.

As Drilled Latitude:	<input type="text" value="37.218556"/>	As Drilled Longitude:	<input type="text" value="-107.887449"/>
GPS Data:			
GPS Quality Value:	<input type="text" value="2.0"/>	Type of GPS Quality Value:	<input style="border: 1px solid gray; background-color: #e0e0e0; padding: 2px;" type="text" value="PDOP"/>
Date of Measurement:	<input type="text" value="5/1/2002"/>	<input type="text" value="15"/>	



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Drilling Tab Revisions

1. Below the list of logs run, there are 3 new questions about the fluid volumes used in drilling operations including Total Fluids, Fresh Water, and Recycled or Reused Fluids (see Rule 431.b). All 3 questions are required. These data fields include fluids used in drilling and cementing operations.

Copies of ALL Logs Attached: Digital Image File (PDF, TIFF, PDS) and Digital Data File (LAS, DLIS)

List ALL Logs Run

FLUID VOLUMES USED IN DRILLING OPERATIONS

(Enter "0" if a type of a fluid was not used. Do not leave blank.)

Total Fluids (bbls):

Fresh Water (bbls):

Recycled or Reused Fluids That Offset the Use of Fresh Water (bbls):



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Casing Tab Revisions

1. A new column for casing "Grade" has been added.
2. The order of top and bottom of cement columns has been switched to match all other forms.
3. Casing Annulus - This is an automatically calculated and populated data field based on the size of hole and size of casing. When the casing line is selected, the calculated annulus will display below the casing information.

Casing Type	Size	Of	Hole	Size	Of	Casing	Grade	Wt/Ft	Csg/Lin Top	Setting Depth	Sacks Cement	Cmt Btm	Cmt Top	Status
Surface String	13	1	2	9	5	8	J55	36	0	1585	450	1585	0	VISU
First String	8	1	2	5	1	2	HCP110	20	0	17034	1864	17034	1825	CBL
First String Annulus = 1.5														

Casing Tab Revisions

4. An automatically calculated Bradenhead Pressure Action Threshold has been added. This value is based on the TVD of the surface casing shoe (See Rule 414.b.(2)G).
5. A casing centralization question has been added (See Rule 408.g).
6. A "Detail" comment box has been added.

Bradenhead Pressure Action Threshold psig

This threshold is calculated per Rule 414. b.(2)G. If this well is located in a bradenhead test area (see Rule 209. c) per an Order of the Commission, it may be subject to a different threshold.

Does the casing centralization comply with Rule 408. g?

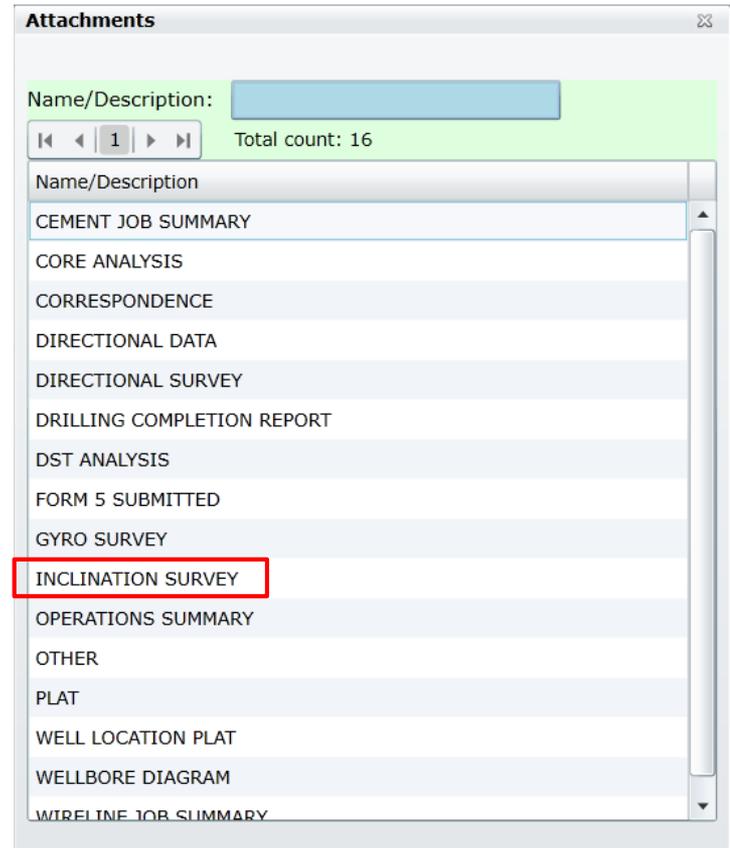
If "NO", provide details below.

Detail:

Attachments Tab Revisions

1. The "Inclination Survey" attachment name has been added.

Submit a PDF of the Inclination Survey on the Form 5.



The screenshot shows a window titled "Attachments" with a search bar and a list of items. The search bar contains a blue box. Below the search bar is a pagination control showing "1" and "Total count: 16". The list of attachments includes:

Name/Description
CEMENT JOB SUMMARY
CORE ANALYSIS
CORRESPONDENCE
DIRECTIONAL DATA
DIRECTIONAL SURVEY
DRILLING COMPLETION REPORT
DST ANALYSIS
FORM 5 SUBMITTED
GYRO SURVEY
INCLINATION SURVEY
OPERATIONS SUMMARY
OTHER
PLAT
WELL LOCATION PLAT
WELLBORE DIAGRAM
WIRELINE JOB SUMMARY



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Submit Tab Revisions

1. A statement has been added certifying that all statements in the form are, to the best of the operator's knowledge, true, correct, and complete.
2. A checkbox has been added that, when checked, will auto-populate the submitter's name and email from the contact information input on the Well Information tab.

OPERATOR COMMENTS AND SUBMITTAL

Comments:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Submitter's Name and Email are the same as CONTACT Name and Email?



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