



Allison - DNR, Rick <rick.allison@state.co.us>

SingleTree Resources - Casement 2 Form 2A 400404147

Tony Markve <tony@singletreeresources.com>
To: "Allison - DNR, Rick" <rick.allison@state.co.us>

Tue, Apr 30, 2013 at 4:01 PM

Rick,

These are my responses to your items below.

1. I agree with your change.
2. I am aware of your change.
3. I am aware it is in a sensitive area.
4. We will dispose of this mud offsite at a commercial site that is approved and accepts the drilling solids. Do drilling pits need to be lined in a sensitive area?
5. I am aware of this rule. We currently have a production pit at the Julie Campbell #1 well site that we will use for the produced water from this well.
6. I am aware of the COA listed below.

Tony

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From: "Allison - DNR, Rick" <rick.allison@state.co.us>
Date: Monday, April 29, 2013 4:17 PM
To: Tony Markve <tony@singletreeresources.com>
Subject: SingleTree Resources - Casement 2 Form 2A 400404147

Tony,

I am reviewing the Form 2A location assessment for the Casement 2 location in Logan County. Please note the following changes, requests for information, and conditions of approval.

1. I have changed the Form 2A from New Location to Amend Location 389407. This is the location ID that the COGCC database assigned to the historic well location.
2. I changed the depth to water to 46 feet based on the static water level reported in water well permit 258707.
3. The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well, and therefore a Sensitive Area by Rule. I have changed the Sensitive Area Designation to Yes.
4. Please clarify the drilling mud disposal method. How do you intend to land apply the drilling mud onsite?
5. Production Pits: Please be aware that production pits constructed after May 1, 2013 must be lined, "unless the operator demonstrates to the Director's satisfaction that the quality of the produced water is equivalent to or better than that of the underlying groundwater or the operator can clearly demonstrate by substantial evidence, such as by appropriate percolation tests, that seepage will not reach the underlying aquifer or waters of the state at contamination levels in excess of applicable standards." See Rule 904.a.(2)
6. Please acknowledge the following conditions of approval (COA):
 - COA 1. The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well. Therefore, Rule 609 Statewide Groundwater Baseline Sampling and Monitoring applies to this location, and the water well(s) located in the SWSE Section 8 T11N R54W shall be sampled in accordance with the timing and and sampling procedures in Rule 609.d. and 609.e. The sampling results shall be reported to the Director in accordance with Rule 609.f.
 - COA 2: The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well. Therefore, the operator shall ensure the contents of the drilling pit meet the concentrations in Table 910-1 prior to drilling pit closure.
 - COA 3: The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well. Therefore, production pits shall be lined in accordance with Rule 904 Pit Lining Requirements and Specifications.

Please call me with questions about this location.

Rick Allison, P.G.
Oil and Gas Location Specialist - Northeast Colorado
Colorado Oil and Gas Conservation Commission
303-894-2100 x5102