

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Thursday, November 17, 2011 9:30 AM
To: Kubeczko, Dave
Subject: FW: Quicksilver Resources, K-Diamond Ranch 44-22 Pad, SESE Sec 22 T6N R93W, Moffat County, Form 2A (#400212906) Review

Categories: Orange - Operator Correspondence

Scan No 2034068 CORRESPONDENCE 2A#400212906

From: Cindy Keister [<mailto:ckeister@qrinc.com>]
Sent: Friday, October 28, 2011 8:08 AM
To: Kubeczko, Dave
Cc: Lisa Smith (lspermitco@aol.com)
Subject: FW: Quicksilver Resources, K-Diamond Ranch 44-22 Pad, SESE Sec 22 T6N R93W, Moffat County, Form 2A (#400212906) Review

Quicksilvers agrees to the following COA's.

Cindy Keister
Director Regulatory Affairs
Quicksilver Resources
801 Cherry Street
Suite 3700, Unit 19
Fort Worth, Texas 76102

Direct Line: 817/665-5572
Cell: 682/429-3861

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From: Lisa Smith [<mailto:lspermitco@aol.com>]
Sent: Thursday, October 27, 2011 6:35 PM
To: Cindy Keister
Subject: Fw: Quicksilver Resources, K-Diamond Ranch 44-22 Pad, SESE Sec 22 T6N R93W, Moffat County, Form 2A (#400212906) Review

Lisa Smith

From: "Kubeczko, Dave" <Dave.Kubeczko@state.co.us>
Date: Thu, 27 Oct 2011 16:39:35 -0600
To: <LSPermitco@aol.com>
Subject: Quicksilver Resources, K-Diamond Ranch 44-22 Pad, SESE Sec 22 T6N R93W, Moffat County, Form 2A (#400212906) Review

Lisa,

I have been reviewing the K-Diamond Ranch 44-22 Pad **Form 2A** (#400212906). COGCC would like to attach the following conditions of approval (COAs) based on the information Quicksilver has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA) review.

1. **Construction (Section 6):** The box answering the question will salt (>15,000 ppm TDS Cl) or oil based muds (OBM) be used? has been marked **Yes**; therefore the following condition of approval (COA) will apply:
 - COA 11** - The drilling pit, if constructed, must be lined, or a closed loop system (which operator has indicated on the Form 2A) must be implemented during drilling. All cuttings generated during drilling with OBM/high chloride mud must be kept in the lined drilling pit, or placed either in containers or on a lined/bermed portion of the well pad; prior to analysis and/or offsite disposal.
 - COA 38** - The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts.
2. **General:** The following conditions of approval (COAs) will apply:
 - COA 5** - Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface or buried pipelines.
 - COA 23** - Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.
 - COA 25** - Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

COGCC would appreciate your concurrence with attaching these COAs (items 1 and 2) to the Form 2A permit prior to passing the OGLA review. If you have any questions, please do not hesitate to call me at (970) 309-2514 (cell), or email. Thanks.

Dave

David A. Kubeczko, PG
Oil and Gas Location Assessment Specialist

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