

## Kubeczko, Dave

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**From:** Kubeczko, Dave  
**Sent:** Tuesday, July 19, 2011 3:12 PM  
**To:** Kubeczko, Dave  
**Subject:** FW: Quicksilver Resources, James Stehle 14-15 Pad, Lot 13 Sec 15 T7N R91W, M...

**Categories:** Orange - Operator Correspondence

Scan No 2033935      CORRESPONDENCE      2A#400177065

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**From:** Cindy Keister [<mailto:ckeister@qrinc.com>]  
**Sent:** Wednesday, July 13, 2011 12:39 PM  
**To:** Kubeczko, Dave  
**Cc:** [lspermitco@aol.com](mailto:lspermitco@aol.com)  
**Subject:** RE: Quicksilver Resources, James Stehle 14-15 Pad, Lot 13 Sec 15 T7N R91W, M...

Dave,

Quicksilver agrees to the stips below for the James Stehle 14-15.

Thanks

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:** [LSPermitco@aol.com](mailto:LSPermitco@aol.com) [<mailto:LSPermitco@aol.com>]  
**Sent:** Monday, July 11, 2011 11:54 AM  
**To:** Cindy Keister  
**Cc:** [LSPermitco@aol.com](mailto:LSPermitco@aol.com)  
**Subject:** Fwd: Quicksilver Resources, James Stehle 14-15 Pad, Lot 13 Sec 15 T7N R91W, M...

Hi Cindy - please run this past the engineer's and see if they are ok with the stipulations that Dave is proposing. Thanks!

*Lisa Smith - President  
PermitCo Inc. - PO Box 99 - Eastlake, CO 80614  
303-857-9999 (office) - 303-324-9350 (cell) - 303-450-9200 (fax)*

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*From: [Dave.Kubeczko@state.co.us](mailto:Dave.Kubeczko@state.co.us)  
To: [LSPermitco@aol.com](mailto:LSPermitco@aol.com)  
Sent: 7/8/2011 5:58:51 P.M. Mountain Daylight Time*

Lisa,

I have been reviewing the James Stehle 14-15 Pad **Form 2A** (#400177065). 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 must be kept in the mud tanks, or placed either in containers or on a lined/bermed portion of the well pad; prior to offsite disposal.

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 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 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.

**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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