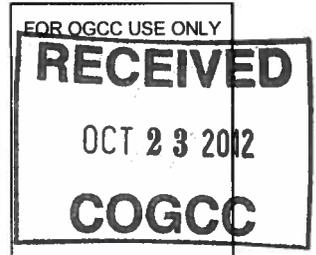




TECHNICAL INFORMATION PAGE



1. OGCC Operator Number: 10255	API Number: 05-081-07692-00
2. Name of Operator: Quicksilver Resources Inc.	OGCC Facility ID #: 426135
3. Well/Facility Name: K-Diamond Ranch	Well/Facility Number: 32-10
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SW NE SEC 10, TWP 6N, RNG 93W, MERIDIAN E	

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

QRI is not concerned with the TOC not being inside the surface casing. We saw indications of gas while drilling the interval according to our mud logs, however, we didn't see any signs of the well flowing requiring us to shut the well in while drilling. We have a fluid column filling the annulus over that interval with a primary and secondary sealing assembly on the wellhead at surface. By the time we set production casing, there will be two strings of casing covering that interval providing sufficient zonal isolation.

Also, the collateral risks associated with performing a remedial job increase during the drilling operations in the production interval. We currently have wellbore isolation of the zone, and a competent intermediate shoe. By performing a remedial cement job, we impact the integrity of the casing due to perforations in the casing during a cement squeeze job. Therefore, we put ourselves at risk operationally with respect to well control in the production interval. Our weakest point in our intermediate casing is at the perforations.

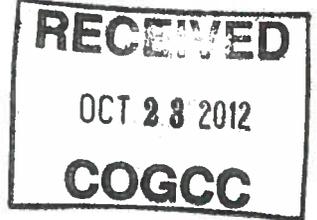
See attached email per Kevin King's request.

**Cindy Keister**



01533778

**From:** Dustin Damme  
**Sent:** Thursday, October 18, 2012 3:35 PM  
**To:** Cindy Keister  
**Subject:** FW: K-Diamond 32-10



Cindy,

Kevin King with the COGCC is OK with our explanation, and we don't need to perform any remedial work. He only asked for us to send in a Sundry Notice for the change in TOC for the intermediate casing with the following email explanation attached to the Sundry notice. Thank you, Cindy.

Regards,

Dustin Damme



**QUICKSILVER**  
RESOURCES

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**From:** Dustin Damme  
**Sent:** Thursday, October 18, 2012 3:31 PM  
**To:** 'kevinj.king@state.co.us'  
**Subject:** K-Diamond 32-10

Mr. King,

I pulled our operations group together, and discussed the situation with our TOC on the K-Diamond 32-10. We're not concerned with the TOC not being inside the surface casing. We saw indications of gas while drilling the interval according to our mud logs, however, we didn't see any signs of the well flowing requiring us to shut the well in while drilling. We have a fluid column filling the annulus over that interval with a primary and secondary sealing assembly on the wellhead at surface. By the time we set production casing, there will be two strings of casing covering that interval providing sufficient zonal isolation.

Also, the collateral risks associated with performing a remedial job increase during the drilling operations in the production interval. We currently have wellbore isolation of the zone, and a competent intermediate shoe. By performing a remedial cement job, we impact the integrity of the casing due to perforations in the casing during a cement squeeze job. Therefore, we put ourselves at risk operationally with respect to well control in the production interval. Our weakest point in our intermediate casing is at the perforations.

Please provide any comments or suggestions. Thank you, Mr. King.

Regards,

Dustin Damme

Drilling Engineer

Cell: 817.682.7048

Direct Line: 817.665.4980

Email: [ddamme@qvinc.com](mailto:ddamme@qvinc.com)