

Kubeczko, Dave

From: Kubeczko, Dave
Sent: Tuesday, May 24, 2011 2:24 PM
To: Kubeczko, Dave
Subject: FW: Form 2A's - Roundup 22-24ND

Categories: Orange Category

Scan No 2033837 CORRESPONDENCE 2A#400156119

From: LSPermitco@aol.com [mailto:LSPermitco@aol.com]
Sent: Wednesday, May 11, 2011 7:38 AM
To: Kubeczko, Dave
Cc: LSPermitco@aol.com
Subject: Fwd: Form 2A's - Roundup 22-24ND

Dave - Quicksilver is ok with your recommended COA's. Do I add them to the form somewhere? or do you add them?
Thanks for your help on this!

Lisa Smith
Permitco Inc.
303-857-9999

From: ckeister@qrinc.com
To: lspermitco@aol.com
Sent: 5/11/2011 6:47:57 A.M. Mountain Daylight Time
Subj: Form 2A's

Please let Dave know that we are good with all his additions to the Form 2's for the Roundup 22-24ND and the K-Diamond Federal 21-21.

Thanks

Cindy

-----Original Message-----

Subject: Fwd: Quicksilver Resources, Roundup 22-24ND Pad, SENW Sec 24 T7N R93W, Moffat...
Date: Wed, 11 May 2011 00:54:13 -0500
From: <LSPermitco@aol.com>
To: "Cindy Keister" <ckeister@qrinc.com>
Cc: <LSPermitco@aol.com>

See notes below. Please let me know and I can add to the form 2A.

From: Dave.Kubeczko@state.co.us
To: lspermitco@aol.com
Sent: 5/10/2011 11:40:33 A.M. Mountain Daylight Time
Subj: Quicksilver Resources, Roundup 22-24ND Pad, SENW Sec 24 T7N R93W, Moffat County, Form 2A (#400156119) Review

Lisa,

I have been reviewing the Roundup 22-24ND Pad **Form 2A** (#400156119). 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. **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 6 - Reserve pit must be lined or a closed loop system must be implemented during drilling.

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 39 - No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

COA 25 - Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 (per Rule 604.a.(4)).

COA 58 - Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

COGCC would appreciate your concurrence with attaching these COAs (item 1) 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

Colorado Oil & Gas Conservation Commission

Northwest Area Office

707 Wapiti Court, Suite 204

Rifle, CO 81650

Phone: (970) 625-2497x5

FAX: (970) 625-5682

Cell: (970) 309-2514

dave.kubeczko@state.co.us



 *Please consider the environment before printing this e-mail*

-----Original Message-----

Subject: Fwd: Quicksilver Resources, K-Diamond Federal 21-21 Pad, NENW Sec 21 T6N R92W...

Date: Wed, 11 May 2011 00:55:10 -0500

From: <LSPermitco@aol.com>

To: "Cindy Keister" <ckeister@qrinc.com>

See request below. Let me know if these are ok with you.

From: Dave.Kubeczko@state.co.us
To: lspermitco@aol.com
Sent: 5/10/2011 11:40:40 A.M. Mountain Daylight Time
Subj: Quicksilver Resources, K-Diamond Federal 21-21 Pad, NENW Sec 21 T6N R92W, Moffat County, Form 2A (#400159722) Review

Lisa,

I have been reviewing the K-Diamond Federal 21-21 Pad **Form 2A** (#400159722). 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. **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 6 - Reserve pit must be lined or a closed loop system must be implemented during drilling.

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 39 - No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

COA 25 - Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 (per Rule 604.a.(4)).

COA 58 - Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

COGCC would appreciate your concurrence with attaching these COAs (item 1) 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

Colorado Oil & Gas Conservation Commission

Northwest Area Office

707 Wapiti Court, Suite 204

Rifle, CO 81650

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FAX: (970) 625-5682

Cell: (970) 309-2514

dave.kubeczko@state.co.us



 *Please consider the environment before printing this e-mail*

-----Original Message-----

Subject: Fwd: Roundup 22-24ND

Date: Wed, 11 May 2011 00:46:55 -0500

From: <LSPermitco@aol.com>

To: "Cindy Keister" <ckeister@qrinc.com>

Cindy,

Please let me know if these BMP's provided by Division of Wildlife are acceptable. If so, DOW would like them added to the approved permit - however, it sounds like you got it approved already!

From: Edward.Winters@state.co.us
To: lspermitco@aol.com
CC: Dave.Kubeczko@state.co.us
Sent: 5/10/2011 12:57:01 P.M. Mountain Daylight Time
Subj: Roundup 22-24ND

Lisa,

I would like to get this 2A permit finalized this week. The following BMP's will satisfy the wildlife requirement for this location. If they are acceptable, please forward them to Dave Kubeczko at COGCC. He can place them on the 2A and once I have been notified that this has been done, I will approve the permit that day.

Thanks,

Ed

For Roundup 22-24ND:

- Construction and drilling activity to be conducted outside the time period from December 1 through April 15
 - Restrict post-development well site visitations to between the hours of 10:00 a.m. and 3:00 p.m. and reduce well site visitations between December 1 and April 15 in mule deer and elk winter range.
 - Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.
 - Prior to development, establish baseline vegetation condition and inventory and to provide a basis for post-development habitat restoration.
- Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.

- Close and immediately reclaim all roads that are redundant, not used regularly, or have been abandoned to the maximum extent possible to minimize disturbance and habitat fragmentation.

This will address the BMP's that will satisfy CDOW for the Roundup 22-24ND location.



Edward T. Winters

Land Use Specialist

Northwest Region

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