

Allison, Rick

From: Walls, Anna V. [avwalls@marathonoil.com]
Sent: Tuesday, March 22, 2011 10:11 AM
To: Allison, Rick
Subject: RE: Rawhide Flats 10-68-16 Form 2A

- 1) Rick, please change the date for interim reclamation to 12/1/2011.
- 2) Marathon approves of the attachment of the drawing and COA.
- 3) Marathon approves of the COA.

From: Allison, Rick [mailto:Rick.Allison@state.co.us]
Sent: Tuesday, March 22, 2011 8:32 AM
To: Walls, Anna V.
Subject: FW: Rawhide Flats 10-68-16 Form 2A

Anna,

Thank you for the information. To recap our discussions COGCC requests the following changes to the Form 2A:

- 1) Construction:** The dates between construction of the location and beginning interim reclamation are 18 months apart. COGCC rules require that interim reclamation begin within 6 months of the completion of drilling and completion operations. Therefore, please provide me a revised date that interim reclamation will begin.
- 2) Access Road:** COGCC would like to attach this drawing as a Proposed BMP to the Form 2A and add the following condition of approval to the Form 2A, with Marathon's concurrence: "The access road drainage crossing shall be constructed in accordance with the attached Access Road Drainage Crossing plan."
- 3) Reference Area:** Please approve the following condition of approval regarding the reference area information: "Reference area pictures and map must be submitted within twelve (12) months of the approval of the Form 2A."

I will send a separate email regarding the construction dates for the Rawhide Flats 10-68-16 1A and 1B locations.

Thank you,
Rick

From: Walls, Anna V. [mailto:avwalls@marathonoil.com]
Sent: Monday, March 21, 2011 10:35 AM
To: Allison, Rick
Subject: RE: Rawhide Flats 10-68-16 Form 2A

Rick,

Attached is the approved low water crossing plan. The installation guidelines to the left of the drawing explain the EnviroGrid Cellular Confinement soil stabilization technique with an addition 40 foot long straw wattle installed downstream.

Please let me know if you need any additional information.

Thank you,
Anna

From: Allison, Rick [<mailto:Rick.Allison@state.co.us>]
Sent: Monday, March 07, 2011 12:05 PM
To: Walls, Anna V.
Cc: McKay, Charles R.
Subject: RE: Rawhide Flats 10-68-16 Form 2A

Anna,

The plats do help me have an understanding of the road width (or at least the easement width). I would like information regarding how Marathon will manage the creek crossing (storm water run-on/runoff; erosion control), if you have that available.

Thank you,
Rick

From: Walls, Anna V. [<mailto:avwalls@marathonoil.com>]
Sent: Friday, March 04, 2011 11:08 AM
To: Walls, Anna V.; Allison, Rick
Cc: McKay, Charles R.
Subject: RE: Rawhide Flats 10-68-16 Form 2A

Rick,

Attached is a more detailed plat of the access road.

From: Walls, Anna V.
Sent: Wednesday, March 02, 2011 6:24 PM
To: Allison, Rick
Cc: McKay, Charles R.; Walls, Anna V.
Subject: RE: Rawhide Flats 10-68-16 Form 2A

Rick,

Please see the following responses.

1) there is a different landowner to the south so we did not explore an access road from the south. we did look into an access road going east of the well, connecting with the road, but we did not want to have to cross the existing stream. the route we have selected, we would cross the stream once to the horizontal well 1A and then drive down on that side of the stream.

2) Plan for the monitor well: We will run 51-2 casing to TD. Plans are to perform 6 pump in test which involves Perforating the deepest interval, pumping 20 bbls into the formation, and monitoring the pressure fall off for approximately 6 days or until we get into pseudoradial flow. We would set a plug over the 1st interval, and then repeat the above until all 6 intervals are tested. We would then set a cast iron plug above the top interval to isolate all perts. Prior to Fracing the offsetting horizontal, we would run the geophones into the monitor well to monitor the frac. At the completion of the frac, the geophones will be pulled and the monitor well secured. I am not sure what the ultimate plans are for the well. We could p/a it, use it for a monitor well for an upcoming offset horizontal, or complete the codell or other zone. we can put the interim reclamation date for 6 months, and if we decide to re-file for a re-entry permit, then we will have to make a decision within the 6 month timeframe.

3) We will take pictures during the growing season and have them submitted within the next 12 months.

Please let me know if you have any questions or need additional information.

Thank you,
Anna

From: Allison, Rick [<mailto:Rick.Allison@state.co.us>]
Sent: Tue 3/1/2011 10:10 AM
To: Walls, Anna V.
Subject: RE: Rawhide Flats 10-68-16 Form 2A

Anna,

I've reviewed both Rawhide Flats locations, and have some questions that relate to both. If you are in Friday, I'm open all day to discuss. I think it would be easier discuss via phone, but my main questions concern:

1. The access road route. Will the monitoring well (1M) require future access? Would a better route come from the south, so that the road from the 1A well to the 1M well could be reclaimed earlier?
2. The interim reclamation dates for both locations are approximately 18 months after the construction date. Rules require that interim reclamation begin within 6 months of the drilling and completion operations. Is the 2012 date a mistake, or does Marathon have plans to conduct certain work at the location that requires maintaining the pad size?
3. Reference area photographs need to be submitted. They can be submitted now, while the 2A is in process or within the next twelve (12) months.

Thank you,
Rick

From: Walls, Anna V. [<mailto:avwalls@marathonoil.com>]
Sent: Monday, February 28, 2011 3:05 PM
To: Allison, Rick
Subject: Rawhide Flats 10-68-16 Form 2A

Rick,

I received your voicemail concerning the Rawhide Flats Form 2A. Marathon's plans for the drilling mud is to reuse it in another well, if possible. If not, we will evaporate it on location in our cuttings pit. We are drilling with a closed loop system. I'm going to be out of the office until Friday, but I will have access to email.

Thank you,
Anna Walls
Regulatory Compliance Rep
Marathon Oil Company
713-296-3468