Welcome back. We're going to continue to process our APD, as we've seen in the previous screens. We've saved the biggest chunk of work for last.

So I've gone ahead and logged in. I'm gone to my APD work list, and I have an APD that I am in the process of submitting. And I need to do the Brown Dirt Federal number two. We're going to continue on to do the Surface Use Plan of Operations.

So I'll select that APD. And you'll notice that we've got everything pretty well set up. Down the left hand side of the screen, you can see that all of our sections are at 100%. We've already taken care of the application fee, the operator certification, the bond information, the drilling plan, the application general information, and the disposal of produced water.

And what we're going to do now is go ahead and go into the Surface Use Plan of Operations, which is the last section we have to do for this particular APD. Now I don't want to scare you, but I do want to caution you to the fact that this particular block is 12 screens long, as you'll see across the top row. We've got items 1 through 12 across the top row.

And it is a little bit more detailed in the sense that there is more information potentially that can be entered or needs to be entered. So you want to make sure you have all your information gathered together before you start this particular section. The screens are arranged and designed like previous screens we've looked at, where depending on the answers to the questions, you'll get additional information that's required.

And it will also require you to do attachments. There will be required fields, edited fields, et cetera. So let's just go ahead and get into it. And we will do some breaks along the way so we're not having to do all 12 sections back to back in one continuous sweep.

The first button that we have up is Section 1, the Existing Roads. And the question basically is, will existing roads be used? Yes or no. If we answer no, that's the sum total of our information. If we answer yes, what you'll notice is that you're required to add an attachment for the existing road.

We'll go ahead and show you one more time how to do attachments. Go ahead and click on the Attachment button. Use your File Browser to find the file. Select the file. Open and then save as soon as that filename shows up.

For the purposes of this training, we're going to go ahead and add the attachments all along the way where we are required to do that so we're able to submit the APD at the end of the process and demonstrate that for you.

So once we've done our Add Attachment, it asks for the road purpose on the existing roads. And those will be for access.

And then we have a question about rights of ways being in existence. And we can either answer yes or no. If we answer no, further information is not required. If we answer yes, you'll notice there are right of way IDs that are going to be required. We can add those right of way IDs by clicking on the Add button.

And you'll notice that we have a pop-up dialogue on our right of way IDs. Those right of way IDs are similar to lease numbers, so we're just going to go ahead and put that in there as UTU 12345. We're going to go ahead and save that. And you'll notice that we have the capability to either add more or delete that right of way.

We're going to add one more right of way, because we've got a road right of way and a pipeline right of way. UTU 77765-- we'll go ahead and save that. And that will be fine.

Now it also will ask, do the existing roads need to be improved? Yes or no. In most cases, if we click on No, no additional. If we click on No, you'll notice that no additional information is required. If we click on Yes, like we've seen in previous screens, you're going to be required to either add a description or add an attachment.

In this particular item, we're going to add the description. And we're going to type in there, "Roads will be improved per BLM specifications as outlined during on-site." And that should be it.

So we'll go down, and as we've done in previous screens, we're going to validate, get the information that all required data is present. We'll say OK. And we'll say Save. The information will add it, and we'll go ahead and see that there are no additional pieces of information we need to add. So we can go to Next.

The next item is, will new roads be needed? And again, as we've seen in previous screens, if we answer no, no additional information is required. If we answer yes, additional information is required.

We'll do a new attachment by Adding an Attachment, choosing the file with our browser, selecting, opening, and saving. The new road type will be required. And that is going to be a local road. And the length in miles is going to be 12.75.

The construction width will be 25 feet, and the travel width will be 15. Maximum slope will be 3%. Maximum grade will be 3%. And we will have low water crossings and a water dip.

Drainage control comments are required. And we'll go ahead and put in there, "Per BLM instructions during on-site." And we can tab out of that. And you'll notice we have a question about whether or not an Army Corps of Engineers, ACOE, permit will be required.

If we click on No, no further information is required. If we click on Yes, we will be required to put in those permit numbers. Right now we'll go ahead and put in that permit number, which is NM-123-QRE.

Next we'll deal with Drainage Control Structures, or DCS description. We can either do an attachment or type in the description. We're going to go ahead and put in that description the same as our drainage control comments. So we'll go up and stripe that row, copy, and paste. Excellent.

Moving right along-- new road access erosion control-- we'll go ahead and copy that item again in there. All of these things have been identified during the on-site. A new road access plan or profile prepared-- yes or no? If we click on No, no further information is required. Access road engineering design was not done, so we'll click on No there.

Turn-outs will be Yes, and those will be two. And we'll need to add an attachment for the turn-out. Again, click on Add Attachment. Select our file. And you'll notice that the attachment is there.

We can either add another attachment, or we can remove that file. Design there is just a little bit different from the other pieces of information. We will go ahead and have gravel on the access surface type.

And the access top soil source will come from off-site. And that will come from the Pioneer Sand and Gravel, pit number 4B.

And then we'll skip over the other Access Construction Material and the Access Miscellaneous Information. And we can either add access additional attachments or add an access road attachment. We won't need to do that right now, so we can click on Validate.

All required data is present. We can click on Save. And we can go to the next item.

We're going to continue on in Section 3, the Location of Existing Wells. We're going to either do no existing well map-- and you'll notice that the description block comes up. And we can either type in that description, or we can go back to the Yes and it will add our attachment.

So let's go ahead and do Yes. We've got all these items. The existing wells are notified. The existing wells are collected on the plat. So we'll go ahead and add that file.

And then it looks like that's all the information that's required. We can either add a second attachment or delete the attachment. So we'll go ahead and go validate. Save and go to Next.

Number four is Location of Existing and/or Proposed Production Facilities. And it says we can either submit or

defer a proposed production facility plan. If we defer those production facilities, we're required to give an estimated description of the production facilities that will be utilized.

If we click on Submit, we'll be required to add a production facilities map, as designed, through the attachment. So let's go ahead and go back to the Defer. And we're going to type in the estimated production facilities will be similar to the adjacent well, Brown Dirt Federal number one. And that's all we really need to put in there right now.

So we'll go ahead and validate. All data is present. Save and go to the next.

The next thing we're going to do is item number five where we're going to indicate the water source table, the location, and type of water supply. So the first thing we're going to do is add the total water source volume. This is going to be Select. This is going to be from a recycled location. And this is going to be for surface casing, intermediate production casing, stimulation, dust control, and camp use.

The source of this water is going to be at 42.12345 latitude. Longitude is a minus 60.12345. And we'll go ahead and make sure we tab out of that. Select NAD83. And the Water Source Permit type is going to be Other, since we're using recycled.

The water source transportation method is going to be by trucking. And the surface landownership across the location and to the location is going to be federal in both cases. The volume that's going to come from the water source is estimated at 1,500 barrels.

And you'll notice that the source volume, in terms of acre feet, and gallons is already calculated for us. We can go ahead and save this work. Again, you haven't heard me say this in quite a while, but save early and save often.

If we have a secondary source of water, we can either add a new source of water, we can edit the existing information, or delete the existing information. These are similar buttons and visual cues that we have seen from previous screens.

What I can do is come down and add a water source and transportation map. We'll click on the Add Attachment. Choose the file. And Save. And we're good to go.

We can add any additional water source comments or indicate that we're drilling a new water well. If we click on No, pretty straightforward-- there isn't any other information available. But if it's yes, you'll notice that we bring up a new screen-- New Water Well Info-- and it's going to be drilled. And it will indicate the location of the well, the aquifer, the depth, different information about the aquifer comments, the aquifer documentation, the depth of the well casing, cementing, et cetera.

And since we're not going to drill a new water well at this time, we'll go ahead and click back to No. We'll validate our information. All required data is present. We can Save, and we can go Next.

What we'll do is we will open up item six, and this is going to be Construction Materials. We are going to be asked if we're going to be using any construction materials. If we click on No, that's the end of the screen. If we click on Yes, you'll notice that there is a description and an attachment that can be required to describe construction materials and the source location attachment.

I believe that both of these items are going to be required. So you can enter that information as necessary. But we'll go ahead and change our answer back to No. Validate. All required data is present. Click OK and Save.

Now we're going to go ahead and click on the Next button at this point. But we will take a slight break before we continue on with Section number 7.

We're back again. Thank you for coming back from your break. We are going to continue on going through in the particular order-- the rest of the surface use plan of operations. But I do want to point out that you can jump around between items 1 through 12, and you don't necessarily have to go in order.

So if we wanted to skip ahead to bubble 10, or Section 10, we could go ahead and click on that. It would actually load that up for the plans for final surface reclamation. You'll notice that the green bubble indicates the section that we're on right now.

If we wanted to jump back to nine, we could click on nine and it would open up the information on Section 9, the Well Site Layout. And the bubbles will not turn blue until we actually complete that information. Again, you'll see the estimated percent of completion along the left hand side. Surface Use Plan of Operations is now at about 50%. And when I say "about 50%," I'm indicating that the percentages are a rough approximation of where you're at in that process.

But rather than getting out of sequence, we'll go ahead and go back to number seven where we will see that we need to enter in the methods for handling waste. And the first thing you need to do is click on the Add button to indicate what kind of waste you will be disposing of. And this is going to be the garbage from the site.

We'll go ahead and click on that. And just go ahead and type in there, "Camp garbage and cement sacks." Those are going to be in terms of pounds. And we will have 500 pounds.

Safe containment description is going to be, "We will keep these in bear-proof containers and/or burn barrels." We'll go down to the Waste Disposal Type next. And this is going to be hauled to a commercial facility.

The disposal location ownership is going to be commercial. And we're going to go to the Grand Mesa Landfill. And we can go ahead and save that information.

Now you'll notice that there is the opportunity to, again, add an attachment, edit the attachment-- or edit the information actually-- and delete the information. We're going to go ahead and do another waste disposal type.

We're going to go ahead and click on Add. And this is going to be for sewage. And we're going to type in, "Camp sewage." And this is going to be in terms of gallons. And we estimate that we'll generate 1,000 gallons of camp sewage.

Safe containment description-- will be enclosed in tanks. And we will do a waste disposal type of Other. The Other type description will be the municipal sewage pond. And in the location ownership, that's going to be a state pond. And the location would be Vernal, Utah.

We'll go ahead and save that. And again, we can either add an additional attachment to any of these items. We can edit any of these items or delete any of these items. We'll continue on.

Going down to the reserve pit being used, if we select No, that's the sum total of the information. If we select Yes on the reserve pit, you'll notice that we have a temporary disposal of produced water into the reserve pit. And we'll click on Yes.

The reserve pit length is going to be 25. The width will be 12. The depth will be five. The cubic yards are estimated to be at 1,000.

And yes, 50% of the reserve pit or more will be in the cut. The liner will not be utilized. In the event that we wanted to use a reserve pit liner, either clay, synthetic, or other, we would be required to either give a description of that-- we'll uncheck None. Come down, and check Clay.

And you'll notice we have an option to put in the pit liner specifications and installation description. Go ahead and go back and click off Clay. Select None. And we're almost done with this particular section.

In the cutting areas, cutting areas will be used. We'll go ahead and have a cutting areas length that's 10 by 10 by four. The volume in cubic yards is going to be 400. And yes, at least 50% of the cuttings will be in the cut area. No liner-- and at this point, I believe that we can validate. All data is present, and Save.

Going down to the bottom again, we can click on Next. And it will take us to our next section, Section number 8. Ancillary Facilities are found in Section 8.

As we've seen in previous screens, if we select No, that's the end of the data that's required. If we select Yes to

the question, it will give us an opportunity to add an attachment and provide comments. So let's go ahead and add our attachment, choosing the file, Open, and Save.

And you'll notice that we have the capability to either add an additional attachment or delete the attachment that we have. And in the comments, I'm just going to say, "See attached file." We can validate. Notice that all required data is present. Click OK and Save. And move on to the next.

Well site layout is pretty straightforward. We either have comments and an attachment or an attachment and no comments. What we're going to do is go ahead and do our attachment for the well site layout. Choose our file, open the file, and Save.

And what I want to do is I want to type into the comments, "Standard 400 barrel, three tank set up with oil and gas separator, heater treater, and blow-down pit." We'll go ahead and validate. All required data is present. Click OK. We can go Save and Next.

Now this is probably our longest item. I'm going to skip past this item and then come back. The Plans for Final Surface Reclamation is really long. So we're going to go to Section 11. And this is going to be our Surface Ownership.

If we want to click on Add, we will be required to enter in at least one surface disturbance type for surface owner. This is going to be for the well pad. And the surface owner is BLM.

We can save that work. And then what I'm going to do is I'm going to add New Surface Disturbance for the existing access road. And that's going to be on private ownership. And you'll notice we need to add private ownership information.

The fee owner is Joe Smith. And that's post office box 12, Vernal, Utah, 81222. And the phone number there is area code, 801-555-1234. The operator's address is JSmith@yahoo.com.

We have a surface use plan certification in place. We'll add that attachment. We also have a surface access agreement or bond in place. We're going to go ahead and click on Bond.

And the surface access agreement need description is going to be for access road, and the bond is with the BLM. The bond number is CO1395. We'll go ahead and save our work. And you'll notice that we have the capability to delete or edit either the information, et cetera.

And we're going to go down and add one more type. And this is going to be for the pipeline. And the pipeline is going to be state government. The local state office is located in Salt Lake City, Utah.

And we'll go ahead and save. I think we've covered all of our bases there. You note that we can edit or delete or add. So we're going to go ahead and validate at this point. All required data is present. Save our work. And let's go to the next item.

The next item is Other Information on the Surface Use. And we're going to note that in item 12, yes, a right of way is needed. And we will use the APD as a right of way application. And this is going to be for a oil and gas pipeline as well as the road for off-leash use.

The right of way application can be added. But since we're going to use the APD as a right of way, we won't need to add that. There is additional surface use plan of operations, additional information that we can type in there. We don't have anything that we need to do.

We're going to use a previously conducted on-site, so that will be Yes. And that on-site information was conducted on September 15th, 2015. And that will be sufficient for that comment.

We could add an additional attachment. We won't do that right now. But we'll go ahead and validate. All data is present. We can Save.

And since we're already at number 12, we don't want to use the Next button. But we'll actually go up and click on item 10. Now I've saved the best for last, in some respects.

The Plan for Surface Use Reclamation is fairly lengthy. And we will go through this in sufficient detail that you can see the additional information is required. But we won't spend a whole lot of time filling in all the blanks.

So we're going to do a new surface disturbance. And we have an opportunity to copy the previous reclamation plan or the approved reclamation plan. If we've already done that once, we can go ahead and do that.

We need to add an attachment for the recontouring. So we'll go ahead and do that. And what I'm going to do is the drainage and erosion control construction and reclamation will be per BLM instructions as identified during on-site. And I'll use that same verbiage in the next block down. So I can stripe the row and copy and paste.

The well pad long-term disturbance versus short-term disturbance will be the difference between the full size of the well pad required during the drilling of the well versus the reclaimed area, or the unreclaimed area, that will be used for production. So the long-term surface disturbance acres will be 0.75. The short-term disturbance will be 5.75 acres.

The access road long-term disturbance in acres will be 2.5. Short-term will be 2.5 as well. The length of the surface disturbance in feet will be 528 feet. The surface disturbance for the short-term will also be 528.

Oh, excuse me. I realize that we will reclaim that. So the long-term surface disturbance will actually be 0 as well as the pipeline length or the width will be zero. And the width will be 10 during construction.

Pipeline long-term surface disturbance acres is calculated zero. And the pipeline short-term disturbance in acres has been calculated for us. We will have no other long-term disturbance either in short-term or long-term. And so we've got our total long-term disturbance and our total short-term disturbance.

In our disturbance comments, we're going to type in, "Interim reclamation as identified during on-site." And we'll go ahead and copy that verbiage once more to the reconstruction method, the top soil redistribution method, and the soil treatment, just as a general statement.

Now we're going to get into the vegetation community at the surface disturbance. And what this is going to be is the existing vegetation at the well pad is going to be sagebrush and native grasses. We're going to go ahead and find that similar vegetation. So we'll go ahead and copy and paste to the road the pipeline as well as the other vegetation community for other disturbances if necessary.

You'll notice that we can do one or the other here. We can either add attachments or give our description. In this case, we've just added and we've done the description. We won't add attachments for any of these items.

When we get down to our seeding program, we're going to be asked if we're going to be using non-native seed, yes or no. We will be using no non-native seed. The seedlings will not be transplanted for this project. And seed will not be harvested for use in site reclamation.

Now we have the capability of putting in the seed management plan with the seed table and the information it will have on the type of seed and the pounds per acre that we're going to be using. So we'll click on Seed Table and add a type.

The first thing is going to be perennial grasses. The seed source will be commercial. The seed name will be wheat grass. Source name will be Sanford and Sons. And they are at post office box 77. And that will be in Price, Utah 80128. And their phone number is 801-222-5567.

The seed cultivar is going to be left blank. The seed use location will be on the existing access road, the new access road, the well pad, and the pipeline. Pounds per acre will be pure live seed at 2.5. And we'll apply our seed in the fall.

We're going to go ahead and save that. And you'll notice that we have a summary. We're going to add a second seed entry.

This is going to be a seed type for shrubs. Seed source will be commercial. The seed name will be sagebrush. Source name, again, will be Sanford and Sons at post office box 47, Price, Utah-- excuse me. That's 77 Price, Utah. 80128 is the zip code.

And you'll notice that it pre-populated our phone number. Cultivar will be left blank. And the use location will be on the pipeline, the existing road, the new access road, and the well pad.

The pounds per acre will be 5.5. Again, the proposed seeding will be in the autumn. And we'll do one more.

I'm going to add a seed entry. And this will be the forbes. Seed source will be commercial. Seed name will be winterfat. Source name will be Sanford and Sons, PO box 77, Price, Utah 80128.

Cultivar is left blank. Existing road pipeline, new access road, and the well pad-- we'll do this at three pounds per acre, and the proposed seeding will be in the fall. Go ahead and save that work.

And let's go and scroll on down. You'll notice that we have the capability to edit or delete those screens. And it shows in the seed summary the type, pounds per acre by type, and the total pounds per acre.

We're going to go down to the next information, the operator contact or responsible individual. We could add a seed reclamation attachment. We won't need to do that right now.

But we'll go down to the next block on the operator contact or the responsible individual for our reclamation. And that's going to be Ron Jones. And his phone number is area code 801-555-1212. His email is RJones@yahoo.com.

Seed bed preparation is going to be through a Harrow, H-A-R-R-O-W. The seed BMP is going to be per BLM instructions. And the seeding method will be broadcast followed by a drag chain.

There are no existing invasive species. We will be required to do either a weed plan attachment, a weed treatment plan attachment, or a plan description. And what we're going to do is in the plan description, we're going to spray for cheatgrass. And that's all we'll be required there.

The monitoring plan is going to be visual inspection in spring and late fall. We won't need an attachment for that. What we'll do is we'll indicate our success standard is going to be defined by 80% coverage by the second growing season of native species with less than 5% invasive species.

Our pit closure description can either be by the attachment or the description. And we're going to go ahead and do a description that the pit closure will be done by backfill when dry and inspected by BLM. And we'll go ahead and click on Validate. All required data is present. And we can go ahead and say Save.

And it appears that we now have 100% completion. We've just completed Section 10. So we can go ahead and go over to 11 and make sure it's blue. I can do that by going to the bottom and going Next. And we're good there.

And then we'll go ahead and jump to 12 by clicking on the bubble. And it looks like we're good there. And we are at 100%.

OK, congratulations. We've successfully completed our Surface Use Plan of Operations. And we've noticed that all of the required sections are now at 100%.

We're ready to either submit the APD to BLM or continue working on that. However, I do want to point out one thing that we've covered in a previous screen is that before you actually submit, we'd like you to print the documents in your APD report, your APD attachments, and the 3160 form. The second mantra that we've done besides "Save Early and Save Often" is before you actually submit your documents, you're going to want to print a hard copy of all the information by printing the APD-- the 3160 forms, excuse me-- printing the report and all the APD attachments.

We're going to go ahead and submit the APD at this point, because we've got 100% of our information taken care of. We've printed our documents, and so we're ready to submit that APD.

And you'll notice that after you've submitted the APD, it'll take you back to your APD work list. The APD that we were working on is no longer in our work list, because it's been completed. And we can go to My Monitor to see that that APD has actually been submitted.

There is the submitted notification, gone to the BLM. And so we're good to go.

This concludes our section on surface use plan of operations as well as submitting an APD to the BLM through the AFMSS2 application. Thank you very much, and have a good day.