

## Thomas, Jennifer

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**From:** Milam, Kaylie  
**Sent:** Wednesday, March 25, 2020 8:37 AM  
**To:** Nestegard, Haley  
**Subject:** FW: [EXTERNAL] Re: Re: Re: Re: Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

**From:** Jacobson - DNR, Eric <eric.jacobson@state.co.us>  
**Sent:** Friday, February 14, 2020 9:17 AM  
**To:** Mary\_Milam@oxy.com  
**Subject:** [EXTERNAL] Re: Re: Re: Re: Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

Kaylie

Approved as outlined.

Eric

On Fri, Feb 14, 2020 at 8:28 AM <[Mary\\_Milam@oxy.com](mailto:Mary_Milam@oxy.com)> wrote:

Good Morning Eric,

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Yesterday, we set the CIBP at 785' to provide isolation for the squeeze holes shot at 790'.

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This morning we have no signs of fluid or gas migration, with 0 psi and no LELs.

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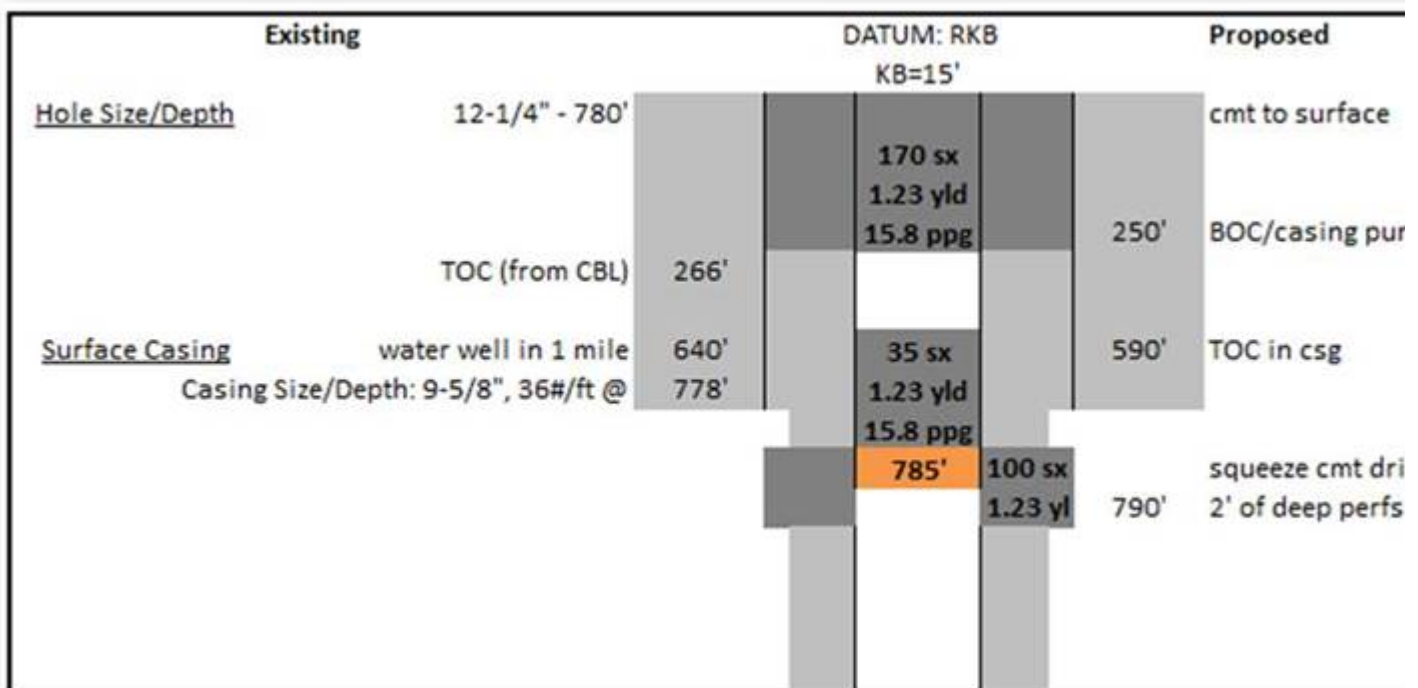
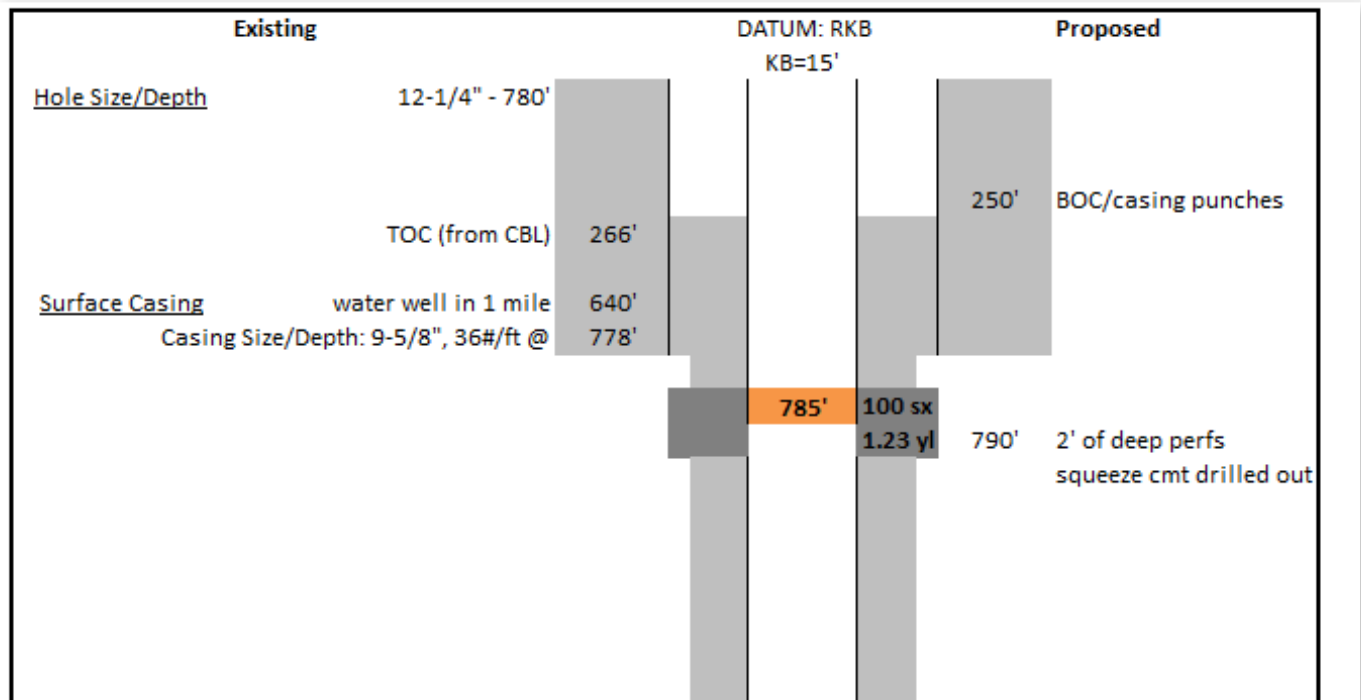
We plan to proceed by topping the CIBP with 35 sx cement and continuing to circulate cement inside and outside casing from 250' to surface.

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**Current**

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**Planned**



If you have any questions or concerns, please let me know.

Thank you,

Kaylie Milam

Occidental Petroleum

Well Services Engineer I

501 N Division Blvd | Platteville, CO 80651

D: 970.515.1679 | C: 816.536.9591 | 2230

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**From:** Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

**Sent:** Thursday, February 13, 2020 2:21 PM

**To:** [Haley\\_Nestegard@oxy.com](mailto:Haley_Nestegard@oxy.com)

**Subject:** [EXTERNAL] Re: Re: Re: Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

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Haley

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Approved as outlined.

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Eric

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On Thu, Feb 13, 2020 at 2:18 PM <[Haley\\_Nestegard@oxy.com](mailto:Haley_Nestegard@oxy.com)> wrote:

Hi Eric,

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We are still on the UPRR 38 Pan Am O True 2 (0512311055).

Today we finished drilling out the second squeeze and isolated our holes at 790' with a packer above the holes.

We are currently only building pressure on the tubing and have 0 psi on the production casing and surface casing.

We plan to set a CIBP at approximately 885', and if we have 0 psi at that point we would like to finish the P&A to surface as shown in the WBD below.

Please let me know if you have any questions or concerns.

Existing		DATUM: RKB KB=15'			Proposed
<u>Hole Size/Depth</u>	12-1/4" - 780'				cmt to surface
			120 sx 1.23 yld 15.8 ppg		
	TOC (from CBL)	266'			250' BOC/casing punches
<u>Surface Casing</u>	water well in 1 mile	640'	55 sx 1.23 yld 15.8 ppg		590' TOC in csg
	Casing Size/Depth: 9-5/8", 36#/ft @	778'			880' BOC in csg
			885'	100 sx	squeeze cmt drilled out
				1.23 yd	790' 2' of deep perms

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Thank you,

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**Haley Nestegard**

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**From:** Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

**Sent:** Tuesday, February 11, 2020 10:48 AM

**To:** [Haley\\_Nestegard@oxy.com](mailto:Haley_Nestegard@oxy.com)

**Subject:** [EXTERNAL] Re: Re: Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

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Haley

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Approved as outlined.

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Eric

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On Tue, Feb 11, 2020 at 10:29 AM <[Haley\\_Nestegard@oxy.com](mailto:Haley_Nestegard@oxy.com)> wrote:

Hi Eric,

We are still on the UPRR 38 Pan Am O True 2 (0512311055).

After drilling out the plug we still had a few lingering pounds of bradenhead pressure.

We shot casing punches at 254' and we were able to establish circulation to surface.

Additionally, we are still able to get an injection rate into our perfs at 790'

Yesterday we swabbed the well down and left a packer set at 750'.

This morning we found 16 psi on the tubing and 0 psi on the production casing and surface casing indicating the perfs at 790' are the path for pressure.

Due to the fact that we are still able to inject into the perfs at 790' we plan to perform another squeeze through the perfs at 790' with a packer to 750'.

We will then drill out the balance plug and verify 0 psi before finishing the P&A.

Please let me know if you have any questions or concerns.

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Thank you,

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**Haley Nestegard**

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**From:** Muscat, Carson

**Sent:** Wednesday, February 5, 2020 10:41 AM

**To:** Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

**Subject:** RE: [EXTERNAL] Re: Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

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Eric,

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Confirmed. We will complete the squeeze with a packer instead of a CICR to speed up the drillout process, but depths will remain the same.

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I'll be in contact with any future change of scopes. Most likely steps following the drillout will be casing punches. We will confirm pressure/flow has stopped prior to cement 250' to surface.

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Thanks,

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**Carson Muscat**

Engineer I - DJ Basin Well Services

Office: (970) 336-3842

Cell: (832) 216-1491

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**From:** Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

**Sent:** Wednesday, February 5, 2020 9:03 AM

**To:** [Carson\\_Muscat@oxy.com](mailto:Carson_Muscat@oxy.com)

**Subject:** [EXTERNAL] Re: Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

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Carson

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We will want the plugged drilled. No cement into the surface casing until all pressure/flow is stopped.

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Eric

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On Wed, Feb 5, 2020 at 8:23 AM <[Carson\\_Muscat@oxy.com](mailto:Carson_Muscat@oxy.com)> wrote:

Eric,

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Please let me know if we would be required to drillout the CICR/cement at 750' if we pumped the hesitation squeeze with evidence of gas migration prior then obtain isolation afterwards. Again, drilling out the 5-1/2" production casing will not change our ability to monitor surface casing pressures.

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At this point, we are trying to relieve the pressure without performing the squeeze: circulating, swabbing, and completing the casing punch at 250' in order to circulate the backside clean.

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Thanks,

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**Carson Muscat**

Engineer I - DJ Basin Well Services

Office: (970) 336-3842

Cell: (832) 216-1491

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**From:** Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

**Sent:** Monday, February 3, 2020 5:24 PM

**To:** [Carson Muscat@oxy.com](mailto:Carson_Muscat@oxy.com)

**Subject:** [EXTERNAL] Re: Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

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Will the plan be to drill out the plug so we can see the pressure below the surface casing.

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On Mon, Feb 3, 2020 at 5:16 PM <[Carson\\_Muscat@oxy.com](mailto:Carson_Muscat@oxy.com)> wrote:

Eric,

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As we were implementing the plan as approved, there were some operational issues by the wireline company. As a result, the perforations were shot at the incorrect depth of 790' instead of 830'. Thankfully, it is still below the shoe, so there is no damage to the surface casing.

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My original intent was to maintain a safe operating distance between the shoe and any squeeze holes, but given these events, I would like to keep the holes at 790' as the new hesitation squeeze holes and move the CICR up to 750'. Please let me know if you have any issues with the proposed or would like some additional information.

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Best,

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**Carson Muscat**

Engineer I - DJ Basin Well Services

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**From:** Jacobson - DNR, Eric <[eric.jacobson@state.co.us](mailto:eric.jacobson@state.co.us)>

**Sent:** Monday, February 3, 2020 10:45 AM

**To:** [Carson Muscat@oxy.com](mailto:Carson_Muscat@oxy.com)

**Subject:** [EXTERNAL] Re: UPRR 38 PA O TRUE 2 (API: 05-123-11055) GO-BACK

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Carson

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Approved as outlined.

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Eric

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On Mon, Feb 3, 2020 at 10:13 AM <[Carson\\_Muscat@oxy.com](mailto:Carson_Muscat@oxy.com)> wrote:

Eric,

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On the UPRR 38 PA O TRUE 2 (API: 05-123-11055) we are back on the well to fix potential gas migration. We have drilled out to the existing CICR at 1680' and completed a new CBL (field copy attached – final version will be with Subsequent Form 6). From the CBL, I would say the source is some poor cement sections from an old annular squeeze – mainly at ~830'.

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As such, I would like to perform a hesitation squeeze at 830' with a CICR set at 810'. Based on the CBL, I believe this is the best chance of providing new cement.

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Proposed Operation WBD:

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Proposed Final WBD:

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As always, we will squeeze until the well locks up on us, so no guarantee of 100 sx below the CICR. We will allow the cement to set for at least 8 hours before checking pressure and making sure all signs of fluid and gas migration has stopped.

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My records indicate a water well depth of 640' and base of LMH at 664'.

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Thanks,

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**Carson Muscat**

Engineer I - DJ Basin Well Services

Office: (970) 336-3842

Cell: (832) 216-1491

Email: [carson\\_muscat@oxy.com](mailto:carson_muscat@oxy.com)

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