

STATE OF
COLORADO

EnviroScan - DNR, OGCC <dnr_ogcc.enviroscan@state.co.us>

Fwd: BP Produced Water Spill - ID #443095 NOAV Doc #200437191

1 message

Fischer - DNR, Alex <alex.fischer@state.co.us>

Tue, Sep 15, 2015 at 6:22 AM

To: OGCC EnviroScan - DNR <dnr_ogcc.enviroscan@state.co.us>

Cc: Joe Maclaren - DNR <joe.maclaren@state.co.us>, Jim Hughes - DNR <jimo.hughes@state.co.us>

Please upload this email and attachment with the following information:

Unique identifier (REM/Spill/NOAV #, etc.): NOAV Document Number 20043791 and Spill Release Point 443095

Document number (leave blank if one needs to be assigned):

Date received: 9/14/15

Is data entry needed (Y/N): N

Notes: September 14, 2015 flowline integrity field inspection

Thanks!

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Alex Fischer, P.G.**Environmental Supervisor, Western Colorado****COLORADO**Oil & Gas Conservation
Commission

Department of Natural Resources

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1120 Lincoln Street, Suite 801, Denver, CO 80203

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From: **Maclaren - DNR, Joe** <joe.maclaren@state.co.us>

Date: Mon, Sep 14, 2015 at 3:39 PM

Subject: BP Produced Water Spill - ID #443095 NOAV Doc #200437191

To: Mark Schlagenhauf - DNR <mark.schlagenhauf@state.co.us>, Stuart Ellsworth - DNR <stuart.ellsworth@state.co.us>, Alex Fischer - DNR <alex.fischer@state.co.us>

Cc: Mark Weems - DNR <mark.weems@state.co.us>, Jim Hughes - DNR <jimo.hughes@state.co.us>, Steve Labowskie - DNR <steve.labowskie@state.co.us>, Dave Andrews - DNR <david.andrews@state.co.us>

Gentlemen,

I performed a flowline integrity field inspection at the BP County Road 303 (spill release point ID #443095/ NOAV Doc #200437191) location. I met with a construction foreman with Crossfire while on site - no BP representatives were on location at the time of the field inspection. Following is a brief summary of the repairs in progress and observations made while on site:

- The failure occurred in 6" externally coated Carbon Steel pipe in a low lying area along the flowline ROW.
- Approximately 10' of produced water flowline had been cut out in the area of the failure.
- Localized pitting corrosion was observed in numerous areas along flowline at the 6 O'clock position (bottom of the pipe)
- A Bore Scope was run, prior to this inspection, to determine the lateral extent of the internal corrosion (Results Unknown).
- The pipeline crew/ foreman observed additional internal corrosion pits in the pipeline to the east.
- A second excavation (approximately 40' to the east) was opened up in order to define the lateral extent of the internal corrosion (to east).
- A cut out was examined from the area of the flowline failure.
- The failed pipe cutout sample had been removed from location/ taken to BP office.
- Internal corrosion pitting was also observed in cutout.
- Localized corrosion pitting appears to be caused by MIC and/ or CO2 (Based on my experience/ BP lab analysis, if conducted, will confirm).
- No significant scale or sludge deposits were observed in the flowline. Under deposit corrosion was not observed.
- Assume other areas along produced water flowline (and adjacent to this area of flowline) have areas of active localized/ pitting corrosion.
- BP work/ investigation remains in progress.

Photo's have been attached to this email - let me know if you have questions.

—

Joe MacLaren

South West Colorado Field Inspector



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BP Flowline Photos ID #443095 NOAV Doc #200437191.pdf
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