



Lyon, Mark <mlyon@blm.gov>

Major Undesirable Event in Royal Gorge Field Office

7 messages

Lyon, Mark <mlyon@blm.gov>

Tue, May 9, 2017 at 4:16 PM

To: Keith Berger <kberger@blm.gov>, James Annable <jannable@blm.gov>, "Marquez, Sylvia" <smarquez@blm.gov>, Sharon Sales <ssales@blm.gov>, Aaron Richter <arichter@blm.gov>, Thomas Heinlein <theinlei@blm.gov>, "Terrence (Terry) Heslin" <theslin@blm.gov>, Ruth Welch <rwelch@blm.gov>, Gregory Shoop <gshoop@blm.gov>, Lonny Bagley <lbagley@blm.gov>, Steven Hall <sbhall@blm.gov>, Jayson Barangan <jbaranga@blm.gov>, Patrick Gallagher <pgallagher@blm.gov>, Barbara Sterling <bsterling@blm.gov>, Michael Nedd <mnedd@blm.gov>, Theresa Coleman <tc Coleman@blm.gov>, "Wells, Steven" <s1wells@blm.gov>, Timothy Spisak <tspisak@blm.gov>, Catherine Cook <ccook@blm.gov>, Jeff Krauss <jkrauss@blm.gov>, Herbert Carpenter <hcarpenter@blm.gov>, Rodney Walker <r1walker@blm.gov>, Subijoy Dutta <sdutta@blm.gov>, Anita Bilbao <abilbao@blm.gov>, Dylan Fuge <dfuge@blm.gov>, Greg Noble <gnoble@blm.gov>, Peter Cowan <picowan@blm.gov>, Kent Walter <k1walter@blm.gov>

Good Afternoon,

On May 3, 2017 Whiting Petroleum reported a Major Undesirable event that had occurred back on 3/28/2017 at the Razor Unit 271 facility in Weld county Colorado. It was estimated that 107bbls of oil was spilled and thus far only 12bbls have been recovered. The location of the spill is FEE surface. NESE Sec. 27 T10N R58W. Operator is currently working on recovery and clean up of spill site. Currently operator is observing potholes that were made to inspect for the presence of "free oil" and recovering it if present. The Operator is further making plans to move equipment and expose subsurface lines to remove any remaining subsurface impacts.

The operator is being issued a Notice of Incidents of Noncompliance for failure to properly notify the BLM in accordance with NTL 3-A. I am planning an on site undesirable event inspection tomorrow morning 5/10/17. Whiting has submitted copies of spill reports and documentation that was submitted to the Colorado Oil and Gas Conservation Commission. A report will be filed in accordance with NTL 3-A as well.

Please contact me if additional information is needed. I will send a follow up report once it is received.

--

Mark O. Lyon

Acting Colorado State Office I&E Specialist

Supervisory Petroleum Engineering Technician

Bureau of Land Management

Royal Gorge Field Office

Cell Phone: [REDACTED]

Email: mlyon@blm.gov

Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@doi.net>
To: mlyon@blm.gov

Tue, May 9, 2017 at 4:16 PM

Delivery has failed to these recipients or groups:

Dylan Fuge (dfuge@blm.gov)

The e-mail address you entered couldn't be found. Please check the recipient's e-mail address and try to resend the message. If the problem continues, please contact your helpdesk.

Diagnostic information for administrators:

Generating server: IINRESEX01.doi.net

dfuge@blm.gov

#550 5.1.1 RESOLVER.ADR.RecipNotFound; not found ##

Original message headers:

Received: from gsmt5.doi.gov (10.10.28.15) by iinresex01.doi.net
(10.85.57.134) with Microsoft SMTP Server (TLS) id 14.3.301.0; Tue, 9 May
2017 18:16:24 -0400
Received: from mail-oi0-f70.google.com (209.85.218.70) by gsmt5.doi.gov
(137.227.28.15) with Microsoft SMTP Server (TLS) id 14.3.319.2; Tue, 9 May
2017 18:16:26 -0400
Received: by mail-oi0-f70.google.com with SMTP id d26so14348878oic.4
for <dfuge@blm.gov>; Tue, 09 May 2017 15:16:23 -0700 (PDT)
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Tue, 09 May 2017 15:16:23 -0700 (PDT)
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Tue, 09 May 2017 15:16:22 -0700 (PDT)
ARC-Seal: i=1; a=rsa-sha256; t=1494368182; cv=none;
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b=LDq65hfeUsj2i0ILuUodpsJAKBqRdtb6+NYSWGcU31K45ATnPXyHD/9NQXkKB+DtV6
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ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=google.com; s=arc-20160816;
h=to:subject:message-id:date:from:mime-version
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bh=fBEJf+zznHWmP06k2zgnvpzjY27mq6ErBjIXDs5vo=;
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azaQ==
ARC-Authentication-Results: i=1; mx.google.com;
spf=pass (google.com: domain of mlyon@blm.gov designates 209.85.218.70 as permitted sender)
smtp.mailfrom=mlyon@blm.gov
Return-Path: <mlyon@blm.gov>
Received: from mail-oi0-f70.google.com (mail-oi0-f70.google.com.
[209.85.218.70]) by mx.google.com with ESMTPS id
134si469170otc.43.2017.05.09.15.16.22 for <dfuge@blm.gov>
(version=TLS1_2 cipher=ECDHE-RSA-AES128-GCM-SHA256 bits=128/128);
Tue, 09 May 2017 15:16:22 -0700 (PDT)
Received-SPF: pass (google.com: domain of mlyon@blm.gov designates 209.85.218.70 as permitted sender)
client-ip=209.85.218.70;
Authentication-Results: mx.google.com;
spf=pass (google.com: domain of mlyon@blm.gov designates 209.85.218.70 as permitted sender)

smtp.mailfrom=mlyon@blm.gov
Received: by mail-oi0-f70.google.com with SMTP id a12so13575728oih.15
for <dfuge@blm.gov>; Tue, 09 May 2017 15:16:22 -0700 (PDT)
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Tue, 09 May 2017 15:16:21 -0700 (PDT)
X-Received: by 10.157.3.228 with SMTP id f91mr1087046otf.16.1494368179490;
Tue, 09 May 2017 15:16:19 -0700 (PDT)
MIME-Version: 1.0
Received: by 10.202.227.213 with HTTP; Tue, 9 May 2017 15:16:19 -0700 (PDT)
From: "Lyon, Mark" <mlyon@blm.gov>
Date: Tue, 9 May 2017 16:16:19 -0600
Message-ID: <CAJ7szgHQsR_BNsFCCciMwpfkygVZqA8ZUWZ52um+Pi9wNDDT3w@mail.gmail.com>
Subject: Major Undesirable Event in Royal Gorge Field Office
To: Keith Berger <kberger@blm.gov>, James Annable <jannable@blm.gov>,
"Marquez, Sylvia" <smarquez@blm.gov>, Sharon Sales <ssales@blm.gov>, "Aaron
Richter" <arichter@blm.gov>, Thomas Heinlein <theinlei@blm.gov>, "Terrence
(Terry) Heslin" <theslin@blm.gov>, Ruth Welch <rwelch@blm.gov>, Gregory Shoop
<gshoop@blm.gov>, Lonny Bagley <lbagley@blm.gov>, Steven Hall
<sbhall@blm.gov>, Jayson Barangan <jbaranga@blm.gov>, Patrick Gallagher
<pgallagh@blm.gov>, Barbara Sterling <bsterling@blm.gov>, Michael Nedd
<mnedd@blm.gov>, Theresa Coleman <tc Coleman@blm.gov>, "Wells, Steven"
<s1wells@blm.gov>, Timothy Spisak <tspisak@blm.gov>, Catherine Cook
<ccook@blm.gov>, Jeff Krauss <jkrauss@blm.gov>, Herbert Carpenter
<hcarpenter@blm.gov>, Rodney Walker <r1walker@blm.gov>, Subijoy Dutta
<sduutta@blm.gov>, Anita Bilbao <abilbao@blm.gov>, Dylan Fuge <dfuge@blm.gov>,
Greg Noble <gnoble@blm.gov>, Peter Cowan <picowan@blm.gov>, Kent Walter
<k1walter@blm.gov>
Content-Type: multipart/alternative; boundary="94eb2c03b2f48236fb054f1eb486"
X-FailoverRoute: 1
X-Gm-Spam: 0
X-Gm-Phishy: 0

Final-Recipient: rfc822;dfuge@blm.gov
Action: failed
Status: 5.1.1
Diagnostic-Code: smtp;550 5.1.1 RESOLVER.ADR.RecipNotFound; not found
X-Display-Name: Dylan Fuge

----- Forwarded message -----

From: "Lyon, Mark" <mlyon@blm.gov>
To: Keith Berger <kberger@blm.gov>, James Annable <jannable@blm.gov>, "Marquez, Sylvia" <smarquez@blm.gov>,
Sharon Sales <ssales@blm.gov>, Aaron Richter <arichter@blm.gov>, Thomas Heinlein <theinlei@blm.gov>, "Terrence
(Terry) Heslin" <theslin@blm.gov>, Ruth Welch <rwelch@blm.gov>, Gregory Shoop <gshoop@blm.gov>, Lonny Bagley
<lbagley@blm.gov>, Steven Hall <sbhall@blm.gov>, Jayson Barangan <jbaranga@blm.gov>, Patrick Gallagher
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<ccook@blm.gov>, Jeff Krauss <jkrauss@blm.gov>, Herbert Carpenter <hcarpenter@blm.gov>, Rodney Walker
<r1walker@blm.gov>, Subijoy Dutta <sduutta@blm.gov>, Anita Bilbao <abilbao@blm.gov>, Dylan Fuge
<dfuge@blm.gov>, Greg Noble <gnoble@blm.gov>, Peter Cowan <picowan@blm.gov>, Kent Walter
<k1walter@blm.gov>

Cc:
Bcc:
Date: Tue, 9 May 2017 16:16:19 -0600
Subject: Major Undesirable Event in Royal Gorge Field Office
Good Afternoon,

On May 3, 2017 Whiting Petroleum reported a Major Undesirable event that had occurred back on 3/28/2017 at the Razor Unit 27I facility in Weld county Colorado. It was estimated that 107bbls of oil was spilled and thus far only 12bbls have been recovered. The location of the spill is FEE surface. NESE Sec. 27 T10N R58W. Operator is currently working on recovery and clean up of spill site. Currently operator is observing potholes that were made to inspect for the presence of "free oil" and recovering it if present. The Operator is further making plans to move equipment and expose subsurface lines to remove any remaining subsurface impacts.

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Mark O. Lyon

Acting Colorado State Office I&E Specialist

Supervisory Petroleum Engineering Technician

Bureau of Land Management

Royal Gorge Field Office

Cell Phone: [REDACTED]

Email: mlyon@blm.gov

Gregory Shoop <gshoop@blm.gov>
To: "Lyon, Mark" <mlyon@blm.gov>

Tue, May 9, 2017 at 4:27 PM

Thanks, Mark.

Does this INC come with and automatic fine?

Sent from my iPhone
[Quoted text hidden]

Mark Lyon <mlyon@blm.gov>
To: Gregory Shoop <gshoop@blm.gov>

Tue, May 9, 2017 at 5:33 PM

Mr. Shoop,

I have already left for today. I will confirm whether or not there is an assessment for this violation. I don't believe there is but I will let you know in the morning.

Respectfully,

Mark

Sent from my iPhone
[Quoted text hidden]

Lyon, Mark <mlyon@blm.gov>
To: Gregory Shoop <gshoop@blm.gov>

Wed, May 10, 2017 at 7:13 AM

Mr. Shoop,

I have reviewed NTL 3-A as well as the new CFR's and do not see where any assessment would be do at this point.
[Quoted text hidden]

Shoop, Gregory <gshoop@blm.gov>
To: "Lyon, Mark" <mlyon@blm.gov>

Wed, May 10, 2017 at 7:35 AM

Thanks, Mark.

(Sorry to hear that...seems to me that failing to report a major undesirable event ought to be more than a wrist slap. But that's a problem for another day.)

Greg Shoop
Associate State Director
Colorado State Office
(W) [REDACTED]
(M) [REDACTED]
gshoop@blm.gov
[Quoted text hidden]

Sales, Sharon <ssales@blm.gov>
To: "Lyon, Mark" <mlyon@blm.gov>

Wed, May 17, 2017 at 1:29 PM

Hi Mark,

How did the onsite inspection go? Is there anything you need from me?

Thank you, Sharon
[Quoted text hidden]

--
Sharon A. Sales
Natural Resource Specialist
Bureau of Land Management
Royal Gorge Field Office
3028 East Main Street,
Cañon City, CO 81212
ssales@blm.gov

[REDACTED] ~ Office

[REDACTED] ~ Cell

Follow us on social media!
Royal Gorge Field Office



Lyon, Mark <mlyon@blm.gov>

Final Report on Major Undesirable Event from Royal Gorge Field Office Reported 5/17/17

2 messages

Lyon, Mark <mlyon@blm.gov>

Mon, May 22, 2017 at 10:41 AM

To: Lonny Bagley <lbagley@blm.gov>, Kent Walter <k1walter@blm.gov>, Peter Cowan <picowan@blm.gov>, Keith Berger <kberger@blm.gov>, Sharon Sales <ssales@blm.gov>, Timothy Spisak <tspisak@blm.gov>, "Wells, Steven" <s1wells@blm.gov>, Subijoy Dutta <sdutta@blm.gov>, Greg Noble <gnoble@blm.gov>, Barbara Sterling <bsterling@blm.gov>

Good Morning,

I received the final spill report for the above mentioned spill in Royal Gorge Field Office. An Undesirable Event inspection was done and is being entered into AFMSS.

If there are any questions or any additional information needed please let me know.

Also please see the below email from Kyle Waggoner with Whiting regarding thier plan for clean-up.

Mr. Lyon,

Thank you for the call earlier today requesting further details regarding the Razor 271 remediation plan. Currently we have advanced 7'-8' below ground surface (BGS) potholes to delineate the extents of the subsurface impacts. We are monitoring each of the potholes daily and evacuating them of any product if present. The footprint of the release extends under surface tanks and production piping. To safely remediate the impacted underlying soils, we are currently planning on temporarily moving the surface equipment, isolating the lines, removing the impacted soils, collecting confirmation samples, backfill the excavation, and moving the equipment back. The sidewall, bottom hole, and stockpile samples will be collected and analyzed by a third party environmental consulting company. Due to this facility being located on Fee surface, the sample results will be compared to the COGCC Table 910.1 concentration levels for "Organic Compounds in Soil" to ensure any residual concentrations are less than these thresholds. Any stockpiled soils that are greater than these thresholds will be treated onsite via mechanical soil shredding with an oxidizer additive and subsequently resampled post treatment to ensure that residual levels are <Table 910.1 concentrations. Once all concentrations are below these threshold the site will backfilled and equipment placed back into service. All additional areas that were disturbed will then be reclaimed, mulched, and reseeded. Barring any unforeseen circumstances we anticipate to be completed with these remediation activities within the next 4-5 months (September/October). Upon completion a copy of the Final Site Remediation Report will be submitted to the BLM via Sundry. If you have any questions or need additional information, please do not hesitate to contact me. Thank you!

Kyle Waggoner, PG

Field Regulatory Manager

Whiting Petroleum Corporation

and its wholly owned subsidiary

Whiting Oil and Gas Corporation

208 Racquette Drive, Unit A

Fort Collins, CO 80524

Direct [REDACTED]

Cell [REDACTED]

Fax [REDACTED]

kyle.waggoner@whiting.com

www.whiting.com

--

Mark O. Lyon

Acting Colorado State Office I&E Specialist

Supervisory Petroleum Engineering Technician

Bureau of Land Management

Royal Gorge Field Office

Cell Phone: [REDACTED]

Email: mlyon@blm.gov



Whiting Final spill report.pdf

35K

Berger, Keith <kberger@blm.gov>
To: "Lyon, Mark" <mlyon@blm.gov>
Cc: "Sales, Sharon" <:ssales@blm.gov>

Tue, May 23, 2017 at 8:12 AM

Thanks for the good work on this... especially coming at such a crazy busy time for you... GREAT JOB!

[Quoted text hidden]

--

Keith E. Berger

Field Manager

Royal Gorge Field Office

Bureau of Land Management

3028 E. Main St., Canon City CO.

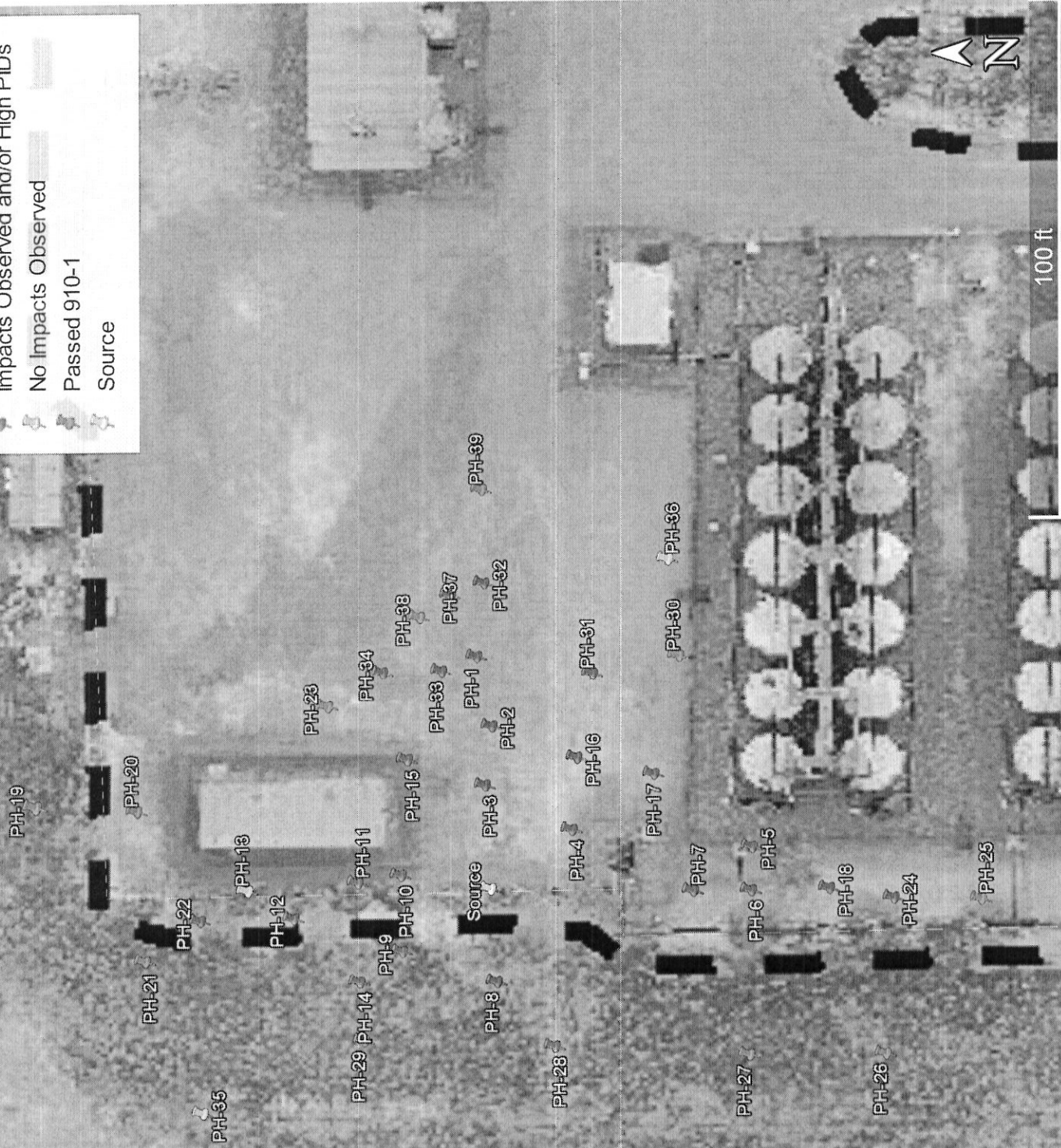
[REDACTED] kberger@blm.gov

BLM Office Reporting:		Royal Gorge Field Office	
BLM Employee:		Mark Lyon	
Company Official Reporting to BLM:		Kyle Waggoner	
Operator:		Whiting Oil and Gas Corporation	
Date/Time of Occurrence:		03/28/2017; 11:15	Date/Time BLM Notified: 05/03/2017; 14:00
Field/Unit Name:		Redtail	Lease Number: COC76737
State: Colorado	County: Weld	Twn: 10N Rng: 58W	Sec: 27 Qtr: NESE
Surface Ownership: FEE			
Type of Event: Oil Spill			
Nature and Cause of Event: A 2" buried poly line from the recycle pump to the manifold building released ~107 bbls of crude oil. The downstream valve on the 2" poly line from the recycle pump was closed and the pump was on auto operating mode. The recycle pump activated resulting in excess pressure in the poly line which caused the line to rupture below grade. The recycle pump was shutoff and the line section was isolated. The release was contained onsite and free liquids were recovered via vacuum truck.			
Environmental Impact: Potholes were advanced to delineate the impacts and are utilized to monitor and recover any free product that may accumulate in them via vacuum truck. Once the lines and surface equipment are located, isolated, purged, and moved the remaining impacts >Table 910.1 will be removed via mechanical excavation.			
Time Required to Control Event (Hours):		0.1 (upon discovery)	
Volume Discharged or Consumed:		~107 bbls Crude Oil	
Volumes Recovered:		~12 bbls	
Action Taken to Control Event:		Upon discovery the pump was shutoff and the line was isolated. Prior to restart of the recycle pump an internal pressure relief valve will be installed to avoid discharge pressures in exceedance of the MAOP of the line. Training will be provided to lease operators regarding the process of valve verification prior to starting any recycle pump.	
Resultant Damage:		The poly line was damaged and the subsurface soils were impacted as a result of the release.	
Clean-Up Procedures:		Cleanup procedures will be conducted in accordance with COGCC rules and regulations.	
Cause/Extent of Personal Injury:		No personal injury occurred as the result of this release.	
Agency Notification List: (Federal/State/Local)	Agency Name	Contact Name	Date/Time
	Weld County	Roy Rudisill	3/29/2017; 7:52
	Landowner	Castor Trust	3/29/2017; 8:15
	COGCC	Rick Allison	3/29/2017; 10:45
	BLM	Mark Lyon	5/3/2017; 14:00
Remarks:			

Razor 271

Legend

- Aboveground Line
- Impacts Observed and/or High PIDs
- No Impacts Observed
- Passed 910-1
- Source



FORM

19

Rev 8/13

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401245981

Date Received:

03/29/2017

SPILL/RELEASE REPORT (INITIAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

Spill report taken by:

ALLISON. RICK

Spill/Release Point ID:

449810

OPERATOR INFORMATION

Name of Operator: WHITING OIL & GAS CORPORATION	Operator No: 96155	Phone Numbers Phone: XXXXXXXXXX Mobile: XXXXXXXXXX Email: kyle.waggoner@whiting.com
Address: 1700 BROADWAY STE 2300		
City: DENVER	State: CO Zip: 80290	
Contact Person: Kyle Waggoner		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401245981

Initial Report Date: 03/29/2017	Date of Discovery: 03/28/2017	Spill Type: Recent Spill
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Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESE SEC 27 TWP 10N RNG 58W MERIDIAN 6

Latitude: 40.809250 Longitude: -103.845290

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: FLOWLINE ☒ Facility/Location ID No 433999

☐ No Existing Facility or Location ID No.

☐ Well API No. (Only if the reference facility is well) 05- -

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.

Were Five (5) barrels or more spilled? Yes

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): >=100	Estimated Condensate Spill Volume(bbl): 0
Estimated Flow Back Fluid Spill Volume(bbl): 0	Estimated Produced Water Spill Volume(bbl): 0
Estimated Other E&P Waste Spill Volume(bbl): 0	Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): livestock grazing

Weather Condition: cloudy 45 degrees and rain

Surface Owner: FEE Other(Specify): Castor Trust

Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☐ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐

As defined in COGCC 100-Series Rules

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

A 2" buried poly line from the recycle pump to the manifold building released ~107 bbls of crude oil. The recycle pump was shutoff and the line section was isolated. The release was contained onsite and free liquids were recovered via vacuum truck. We are currently repairing the line and removing impacted soils via hydrovac excavation.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/29/2017	Weld County	Roy Rudisill		notification
3/29/2017	Landowner	Castor Trust	-	notification

OPERATOR COMMENTS:

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: _____ Print Name: Kyle Waggoner

Title: Field Regulatory Manager Date: 03/29/2017 Email: kyle.waggoner@whiting.com

COA Type

Description

	<p>Per Rule 906.b., the Operator shall make a supplemental report on Form 19 not more than 10 calendar days after the spill/release is discovered that includes an 8 1/2 x 11 inch topographic map showing the governmental section and location of the spill or an aerial photograph showing the location of the spill; all pertinent information about the spill/release known to the Operator that has not been reported previously; and information relating to the initial mitigation, site investigation, and remediation measures conducted by the Operator.</p> <p>The Supplemental Spill Report for this release is due by April 7, 2017.</p>
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Attachment Check List

Att Doc Num

Name

401245981	SPILL/RELEASE REPORT(INITIAL)
401246191	FORM 19 SUBMITTED

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)

FORM

19

Rev 8/13

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401251995

Date Received:

04/07/2017

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

449810

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

Name of Operator: WHITING OIL & GAS CORPORATION	Operator No: 96155	Phone Numbers Phone: XXXXXXXXXX Mobile: XXXXXXXXXX Email: kyle.waggoner@whiting.com
Address: 1700 BROADWAY STE 2300		
City: DENVER	State: CO Zip: 80290	
Contact Person: Kyle Waggoner		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401245981

Initial Report Date: 03/29/2017	Date of Discovery: 03/28/2017	Spill Type: Recent Spill
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Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESE SEC 27 TWP 10N RNG 58W MERIDIAN 6

Latitude: 40.809250 Longitude: -103.845290

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: FLOWLINE ☒ Facility/Location ID No 433999

☐ No Existing Facility or Location ID No.

☐ Well API No. (Only if the reference facility is well) 05- -

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.

Were Five (5) barrels or more spilled? Yes

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): >=100	Estimated Condensate Spill Volume(bbl): 0
Estimated Flow Back Fluid Spill Volume(bbl): 0	Estimated Produced Water Spill Volume(bbl): 0
Estimated Other E&P Waste Spill Volume(bbl): 0	Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): livestock grazing

Weather Condition: cloudy 45 degrees and rain

Surface Owner: FEE Other(Specify): Castor Trust

Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☐ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐

As defined in COGCC 100-Series Rules

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

A 2" buried poly line from the recycle pump to the manifold building released ~107 bbls of crude oil. The recycle pump was shutoff and the line section was isolated. The release was contained onsite and free liquids were recovered via vacuum truck. We are currently repairing the line and removing impacted soils via hydrovac excavation.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/29/2017	Weld County	Roy Rudisill		notification
3/29/2017	Landowner	Castor Trust	-	notification

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 04/07/2017		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	107	7	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	0	0	<input type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<input type="checkbox"/>

specify: _____

Was spill/release completely contained within berms or secondary containment? NO Was an Emergency Pit constructed? NO

Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.

A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit

Impacted Media (Check all that apply) ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 85 Width of Impact (feet): 71

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): _____

How was extent determined?

Due to the subsurface lines in this area, a hydrovac excavator is being utilized to advance multiple potholes to ~6' bgs to delineate the extents of the impacts.

Soil/Geology Description:

27-Epping Silt Loam/61-Stoneham Fine

Depth to Groundwater (feet BGS) 37 Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest

Water Well	<u>2558</u>	None <input type="checkbox"/>	Surface Water	<u>1738</u>	None <input type="checkbox"/>
Wetlands	_____	None <input checked="" type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	_____	None <input checked="" type="checkbox"/>	Occupied Building	<u>2449</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

The existing potholes will be utilized to recover any free product that may accumulate in them via vacuum truck. Once the lines are located, isolated, and purged the remaining impacts >Table 910.1 will be removed via mechanical excavation.

CORRECTIVE ACTIONS

#1	Supplemental Report Date: 04/07/2017
Cause of Spill (Check all that apply) <input checked="" type="checkbox"/> Human Error <input type="checkbox"/> Equipment Failure <input type="checkbox"/> Historical-Unknown	
<input type="checkbox"/> Other (specify) _____	
Describe Incident & Root Cause (include specific equipment and point of failure)	
The downstream valve on the 2" poly line from the recycle pump was closed and the pump was still on auto operating mode. The recycle pump activated resulting in excess pressure in the poly line which caused the line to rupture below grade. Upon discovery the pump was shutoff and the line was isolated.	
Describe measures taken to prevent the problem(s) from reoccurring:	
Install an internal pressure relief valve to avoid discharge pressures in exceedence of the MAOP of the line. Training will be provided to lease operators regarding the process of valve verification prior to starting any recycle pump.	
Volume of Soil Excavated (cubic yards): 391	
Disposition of Excavated Soil (attach documentation) <input type="checkbox"/> Offsite Disposal <input checked="" type="checkbox"/> Onsite Treatment	
<input type="checkbox"/> Other (specify) _____	
Volume of Impacted Ground Water Removed (bbls): 0	
Volume of Impacted Surface Water Removed (bbls): 0	

REQUEST FOR CLOSURE

Spill/Release Reports should be closed when impacts have been remediated or when further investigation and corrective actions will take place under an approved Form 27.

Basis for Closure: ☐ Corrective Actions Completed (documentation attached)

☐ Work proceeding under an approved Form 27

Form 27 Remediation Project No: _____

OPERATOR COMMENTS:

The current remediation activities are being conducted as part of this Form 19. However, if additional time is required to complete the remedial efforts we will request that we proceed under a Form 27.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: _____ Print Name: Kyle Waggoner

Title: Field Regulatory Manager Date: 04/07/2017 Email: kyle.waggoner@whiting.com

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401251995	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401254201	FORM 19 SUBMITTED

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)



Table 1 - Confirmation Sampling Soil Analytical Data

Whiting Oil and Gas Corporation
Razor 271
Weld County, Colorado

Sample ID	Lab ID	Date Sampled	Concentration (mg/kg)						
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes	GRO	DRO	TPH
COGCC Table 910-1 Concentration Levels			0.17	85	100	175	NA	NA	500
PH-19 @ 7'	1704103-01	04/10/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-20 @ 6'	1704103-02	04/10/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-21 @ 7'	1704103-03	04/10/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-23 @ 5.5'	1704103-04	04/10/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-25 @ 6'	1704158-01	04/14/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-26 @ 6'	1704103-05	04/10/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-27 @ 7.5'	1704103-06	04/10/17	<0.0020	<0.0050	<0.0050	0.017	1.5	100	101.5
PH-29 @ 6'	1704103-07	04/10/17	<0.0020	0.0069	0.0065	0.18	8.5	240	248.5
PH-30 @ 6.5'	1704158-02	04/14/17	<0.0020	<0.0050	<0.0050	<0.0050	2.1	<50	2.1
PH-38 @ 7'	1704193-02	04/18/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
PH-39 @ 7'	1704193-01	04/18/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50

mg/kg - milligrams per kilogram

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)

NA - Not Analyzed