

**From:** [Yu, Olivia, EMNRD](#)  
**To:** "Tony Cooper"  
**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov)  
**Subject:** RE: McElvain Release  
**Date:** Tuesday, April 17, 2018 8:01:00 AM

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Good morning Mr. Cooper:

Pardon, if you called yesterday. I was out of the office.

Acknowledged. Thank you for the soil bore log. On my end, NMOCD's ArcGIS does the presence of CP-01584, but the data were not updated yet. NMOCD acknowledges this evidence to change the depth to groundwater to > 100 ft. bgs. FYI, the initial assessment of depth to groundwater was based on a USGS well about 1 mile North of the release location.

Thanks,  
Olivia

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**From:** Tony Cooper <Tony.Cooper@McElvain.com>  
**Sent:** Monday, April 16, 2018 8:05 AM  
**To:** Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>  
**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov)  
**Subject:** FW: McElvain Release

Sorry, forgot to attach the files.  
TC

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**From:** Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]  
**Sent:** Friday, April 13, 2018 5:27 PM  
**To:** Tony Cooper  
**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov)  
**Subject:** RE: McElvain Release

Mr. Cooper:

Sorry, upon re-reading the email, the permissible chloride level is 600 mg/kg. Though not anticipated to be an issue for this hydrocarbon release, chlorides need to be tested for verification. Delineation and remediation levels for Benzene: 10 mg/kg; BTEX: 50 mg/kg; TPH extended (GRO, DRO, MRO): 100 mg/kg.

Thanks,  
Olivia

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**From:** Yu, Olivia, EMNRD  
**Sent:** Friday, April 13, 2018 3:58 PM  
**To:** 'Tony Cooper' <[Tony.Cooper@McElvain.com](mailto:Tony.Cooper@McElvain.com)>  
**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov)  
**Subject:** RE: McElvain Release

Dear Mr. Cooper:

The 1RP for this incident is

5019	4/13/2018	A	McElvain Energy	EK 30 BS2 Federal Com 1H	30-025-42701	18S-34E-30P	4/12/2018
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Please remember to include this 1RP identifier to all communications. Also, please be advised that a release characterization/delineation workplan as detailed in the attachment must be approved by NMOCD BEFORE any remediation work.

NMOCD appreciates your immediate response activities to this release. As I mentioned during our phone conversation yesterday afternoon, NMOCD will need surface (0-6") samples from the oversprayed area. Please outline the estimated area due to the windy conditions yesterday and sample locations with GPS coordinates. Furthermore, based on the photos and the information provided on the initial C-141, the impacted area with pooling locations needs to be characterized, vertically and horizontally, for BTEX, TPH extended, and chlorides, before the proposed remediation plan can occur. In other words, NMOCD expects two data sets: one for

delineation (where is the plume of hydrocarbon in depth and laterally) and one for confirmatory levels after the proposed microbial remediation. Current NMOCD permissible levels are 600 mg/kg. A preliminary assessment of depth to groundwater in this area is less than 50 ft. bgs.

Please confirm or inform for clarification.

Thanks,

Olivia Yu  
Environmental Specialist  
NMOCD, District I  
[Olivia.yu@state.nm.us](mailto:Olivia.yu@state.nm.us)  
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

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**From:** Tony Cooper <[Tony.Cooper@McElvain.com](mailto:Tony.Cooper@McElvain.com)>  
**Sent:** Thursday, April 12, 2018 3:03 PM  
**To:** Yu, Olivia, EMNRD <[Olivia.Yu@state.nm.us](mailto:Olivia.Yu@state.nm.us)>  
**Cc:** [stucker@blm.gov](mailto:stucker@blm.gov)  
**Subject:** McElvain Release

Ms. Lu, please see the initial C-141 for the crude oil release I reported to the NMOCD today in 30 18S 34E, Lea County. As requested, I have attached a few pictures as well. Clean up will be ongoing for the next several days. Let me know if you have any questions or need additional information.

Respectfully Submitted,

Tony Cooper  
Regulatory Compliance Manager  
McElvain Energy Inc.  
1050 17<sup>th</sup> Street Suite 2500  
Denver CO 80265  
303-962-6489 direct  
303-501-0004 cell  
[tony.cooper@mcelvain.com](mailto:tony.cooper@mcelvain.com)



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) <b>POD 1</b>				OSE FILE NUMBER(S) <b>CP-1584</b>			
	WELL OWNER NAME(S) <b>TH MCELVAIN OIL &amp; GAS LLLP/CHRIS CAPLIS VP DRILLING</b>				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS <b>1050 17TH ST, STE 2500</b>				CITY <b>DENVER</b>		STATE <b>CO</b>	ZIP <b>80265</b>
	WELL LOCATION (FROM GPS)	DEGREES <b>32</b>	MINUTES <b>43</b>	SECONDS <b>1.6788</b>	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE	LONGITUDE <b>103</b>	<b>36</b>				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>SW 1/4 OF NE 1/4 OF NW 1/4 OF SW 1/4 OF SECTION 30, TOWNSHIP 18S, RANGE 34E</b>								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER <b>WD-1611</b>		NAME OF LICENSED DRILLER <b>JOHN GOERTZEN</b>			NAME OF WELL DRILLING COMPANY <b>GOERTZEN DRILLING</b>		
	DRILLING STARTED <b>4/5/16</b>		DRILLING ENDED <b>4/6/16</b>		DEPTH OF COMPLETED WELL (FT) <b>500</b>	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT) <b>NA--DRY HOLE</b>	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>N/A</b>		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	500	7 7/8	N/A				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 10/29/15)

FILE NUMBER

POD NUMBER

TRN NUMBER

LOCATION

PAGE 1 OF 2

<b>4. HYDROGEOLOGIC LOG OF WELL</b>	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)								
	FROM	TO													
	0	4		TOP SOIL	Y	✓ N									
	4	28		CALICHE	Y	✓ N									
	28	52		SANDY CLAY	Y	✓ N									
	52	500		RED BED	Y	✓ N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
					Y	N									
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):        0.00									
	<b>5. TEST; RIG SUPERVISION</b>	WELL TEST      TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.													
MISCELLANEOUS INFORMATION:															
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:															
<b>6. SIGNATURE</b>	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             SIGNATURE OF DRILLER / PRINT SIGNED NAME         </div> <div style="text-align: center;">           JOHN GOERTZEN            DATE         </div> </div>														
<div style="display: flex; justify-content: space-between;"> <div>FOR OSE INTERNAL USE</div> <div>WR-20 WELL RECORD &amp; LOG (Version 06/08/2012)</div> </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">FILE NUMBER</td> <td style="width: 20%;">POD NUMBER</td> <td style="width: 20%;">TRN NUMBER</td> <td style="width: 20%;"></td> </tr> <tr> <td colspan="3">LOCATION</td> <td>PAGE 2 OF 2</td> </tr> </table>								FILE NUMBER	POD NUMBER	TRN NUMBER		LOCATION			PAGE 2 OF 2
FILE NUMBER	POD NUMBER	TRN NUMBER													
LOCATION			PAGE 2 OF 2												





CP-1584 Dry Water Well 4/8/2016

EK 30 BS2 Federal Com 1H (Release Site)

Google Earth  
Earth Point

Tour Guide

1996

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Imagery Date: 11/2/2017 lat 32.714126° lon -103.596209° elev 3904 ft eye alt 14288 ft