

# Leak Detection and Repair (LDAR) Annual Report Form<sup>1</sup>



Please submit via email to: [cdphe\\_reg7LDAR\\_annualreports@state.co.us](mailto:cdphe_reg7LDAR_annualreports@state.co.us)

## Section 1: General Information

Company Name:	McElvain Energy Inc		
Inspection Year:	2015	# Facilities Inspected: <sup>2</sup>	76
Contact Person:	Tony G Cooper	Title:	Sr EHS Specialist
Phone Number:	303-893-0933 x331	E-mail Address:	<a href="mailto:tonyc@mcelvain.com">tonyc@mcelvain.com</a>

## Section 2: LDAR Inspections

Inspection Method	# Inspections <sup>3</sup>
AIMM at Natural Gas Compressor Stations:	0
AIMM at Well Production Facilities:	76
AVO at Well Production Facilities:	228
<b>TOTAL</b>	<b>304</b>

## Section 3: Leaking Components Details

Component Type	# Leaks Identified <sup>4</sup>	# Leaks Repaired	# Leaks on Delay of Repair List as of Dec 31
Valves:	4	4	0
Connectors:	20	20	0
Flanges:	0	0	0
Pump Seals:	0	0	0
Pressure Relief Devices:	8	8	0
<b>TOTAL</b>	<b>32</b>	<b>32</b>	<b>0</b>

## Section 4: Responsible Official Certification

All information contained in the LDAR Annual Report must be certified by a responsible official as defined in Colorado Regulation No. 3, Part A, Section 1.B.38.

Please note the Colorado Statutes state that any person who knowingly, as defined in §18-1-501(6), C.R.S., makes any false material statement, representation, or certification in this document is guilty of a misdemeanor and may be punished in accordance with the provisions of §25-7 122.1, C.R.S.

I, the Responsible Official, have reviewed this annual report in its entirety and, based on information and belief formed after reasonable inquiry, I certify that the statements and information contained in this report are true, accurate and complete.

Printed/Typed Name - Responsible Official:	Title:
Joe Kelloff	Vice President, Production & Business Development
Signature:	Date:
	3/25/2016

**Section 5: Additional Notes**

McElvain Energy Inc. has production facilities in Yuma and LaPlata Counties in Colorado. Since we are a small operator we chose to perform the LDAR in November of 2014 to ensure the availability of a contractor that could perform the one-time approved instrument monitoring method (AIMM) for us. Since none of McElvain's wells in Colorado produce any oil or condensate, and all individual facilities have VOC emissions rates of < 6 tpy, they are only subject to a one-time AIMM inspection, and monthly AVO inspections thereafter, beginning in January of 2016. All observed leaks were repaired by a maintenance crew at the time of the initial AIMM inspection. Wells with names represent production facilities. Monitoring points entitled "Valve sets" represent surface locations of above ground water and natural gas gathering systems in Yuma County. 15 wells in Yuma County are currently in a shut-in status. AIMM will be performed on the wells within 30 days after the wells are returned to a producing status. Monthly AVO inspections in LaPlata County began in January of 2015 and in Yuma County in January of 2016.

**Section 6: Facilities Inspected**

**Addendum Table 1**

Plant AIRS ID (e.g., 123/7896)	Location (e.g., Lat/Long)	Facility Name							
	39.8978 -102.40825	Bohnen 10-12	Yuma						
	39.89189 -102.40519	Bohnen 10-24	Yuma						
	39.89787 -102.39892	Bohnen 10-32	Yuma						
	39.82514 -102.494818	Eagle 2-6	Yuma						
	39.8252 -102.488384	Eagle 2-8	Yuma						
	39.83368 -102.490081	Falcon 35-15	Yuma						
	39.83311 -102.48769	Falcon 35-16	Yuma						
	39.89521 -102.39811	Ivarie 10-33	Yuma						
	39.89289 -102.39786	Ivarie 10-34	Yuma						
	39.87577 -102.38228	Ivarie Deliver Point	Yuma						
	39.89722 -102.39206	Ivarie valve set	Yuma						
	39.96667 -102.44676	Kerbs 17-13	Yuma						
	39.96667 -102.44676	Kerbs 20-32	Yuma						
	39.95488 -102.43365	Kerbs 20-42	Yuma						
	39.96157 -102.41186	Kerbs deliver point	Yuma						
	39.87683 -102.56002	Maroon 18-16	Yuma						
	39.87338 -102.56513	Massive 19-2	Yuma						
	39.86924 -102.565	Massive 19-7	Yuma						
	39.86636 -102.56045	Massive 19-9	Yuma						
	39.86619 -102.56406	Massive 19-10	Yuma						
<b>Footnotes:</b>									

<sup>1</sup> The fields shaded in blue are mandatory required elements of the annual report. The remaining information is voluntary and requested to help the Division better interpret the implementation of the leak detection and repair program.

<sup>2</sup> "# of Facilities Inspected" should reflect the total number of unique physical locations (e.g. well production facilities and natural gas compressor stations) inspected during the calendar year reported.

<sup>3</sup> The "Total # of Inspections" should reflect the number of unique facility inspections events (e.g. unique complete facility AVO and AIMM events) that occurred across all facilities (as reflected in Section 1) monitored by the company during the calendar year reporting period. This number should not reflect a count representing the number of individual component(s) monitored. In addition, re-monitoring events to verify an earlier identified leak has been repaired as required by Regulation 7, Section XVII.F.7 should not be counted in the "Total # of Inspections" reported.

<sup>4</sup> The "# of Leaks Identified" should reflect the sum total of component leaks identified during all facility inspections (e.g. AVO and AIMM) that occurred during the calendar year reported.

	39.86374	-102.5604	Massive 19-16	Yuma				
	39.87384	-102.55648	Meeker 20-4	Yuma				
	39.86334	-102.55653	Meeker 20-13	Yuma				
	39.76152	-102.06506	Moellenberg Deliv Pt	Yuma				
	39.76079	-102.06831	Moellenberg 33-41	Yuma				
	39.887	-102.58004	Pyramid 13-1	Yuma				
	39.82615	-102.50881	Raven 3-7	Yuma				
	39.82617	-102.50447	Raven 3-8	Yuma				
	39.82257	-102.50876	Raven 3-10	Yuma				
	39.82251	-102.51335	Raven 3-11	Yuma				
	39.82611	-102.50893	Valve set #1	Yuma				
	39.8312	-102.50356	Valve set #2	Yuma				
	39.83477	-102.50237	Valve set #3	Yuma				
	39.8459	-102.50209	Valve set #4	Yuma				
	39.82496	-102.48789	Valve set #5	Yuma				
	Illegible	illegible	Valve set #6	Yuma				
	39.86041	-102.49814	Valve set #7	Yuma				
	39.86048	-102.49815	Valve set #8	Yuma				
	39.87532	-102.55817	Valve set #9	Yuma				
	39.88264	-102.55805	Valve set #10	Yuma				
	39.88973	-102.5761	Valve set #11	Yuma				
	39.86605	-102.56417	Valve set #12	Yuma				
	39.87413	-102.48889	Valve set #13	Yuma				
	39.87552	-102.48938	Valve set #14	Yuma				
	39.88809	-102.52317	Valve set #15	Yuma				
	39.89901	-102.41631	Wingfield 9-32	Yuma				
	39.89374	-102.41932	Wingfield 9-33	Yuma				
	39.89321	-102.41559	Wingfield 9-34	Yuma				
	39.88119	-102.44125	Wingfield 17-23	Yuma				
	39.88108	-102.43456	Wingfield Deliver point	Yuma				
	39.96691	-102.43602	Zuege 17-33	Yuma				
	39.96316	-102.43649	Zuege 17-34	Yuma				
	39.96693	-102.43317	Zuege 17-43	Yuma				
		S 36, T 33N, R 7W	Pargin Ranch #1A	Laplata				
		S 36, T 33N, R 7W	Pargin Ranch #1	Laplata				
		S 17, T 32N, R 6W	Payne C #1A	Laplata				
		S 17, T 32N, R 6W	Payne C #2	Laplata				
		S 17, T 32N, R 6W	Payne #22	Laplata				
		S 17, T 32N, R 6W	Payne #1	Laplata				
		S 17, T 32N, R 6W	Payne #11	Laplata				
		S 17, T 32N, R 6W	Payne C #3	Laplata				
		S 30, T 33N, R 7W	Ignacio 33-7 #19	Laplata				
		S 30, T 33N, R 7W	Ignacio 33-7 #19A	Laplata				

			S 24, T 33N, R 8W	Pikes Peak #1A	Laplata				
			S 24, T 33N, R 8W	Pikes Peak #1	Laplata				
			S 20, T 33N, R 8W	Bullseye #2	Laplata				
			S 20, T 33N, R 8W	Bullseye #22	Laplata				
			S 20, T 33N, R 8W	Bullseye #11	Laplata				
			S 20, T 33N, R 8W	Bullseye #1	Laplata				
			S 18, T 33N, R 8W	Slugger #22	Laplata				
			S 18, T 33N, R 8W	Slugger #2	Laplata				
			S 18, T 33N, R 8W	Slugger #11	Laplata				
			S 18, T 33N, R 8W	Slugger #1	Laplata				