

Leak Detection and Repair (LDAR) Annual Report Form¹



Please submit via email to: cdphe_reg7LDAR_annualreports@state.co.us

Section 1: General Information

Company Name:	Caerus Washco LLC		
Inspection Year:	2015	# Facilities Inspected: ²	217
Contact Person:	Michael McKee	Title:	EH&S Engineer
Phone Number:	720-880-6322	E-mail Address:	mmckee@caerusoilandgas.com

Section 2: LDAR Inspections

Inspection Method	# Inspections ³
AIMM at Natural Gas Compressor Stations:	3
AIMM at Well Production Facilities:	214
AVO at Well Production Facilities:	
TOTAL	217

Section 3: Leaking Components Details

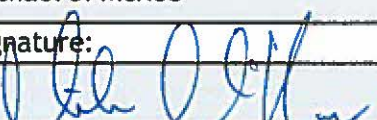
Component Type	# Leaks Identified ⁴	# Leaks Repaired	# Leaks on Delay of Repair List as of Dec 31
Valves:	2	2	
Connectors:	18	18	
Flanges:			
Pump Seals:			
Pressure Relief Devices:			
TOTAL	20	20	

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:
Michael S. McKee	EH&S Engineer
Signature:	Date:
	5/19/2016

Section 5: Additional Notes

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Section 6: Facilities Inspected

Addendum Table 1		
Plant AIRS ID (e.g., 123/7896)	Location (e.g., Lat/Long)	Facility Name
See Attachment A		

Footnotes:

¹ 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.

² "# 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.

³ 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.

⁴ 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.

Attachment A - Facilities Inspected			
Count	Location		Facility Name
	Latitude	Longitude	
1	39.93566	-102.31868	ALLISON #1-29
2	39.90656	-102.22897	ALLISON #34-6
3	39.91000	-102.22000	ALLISON #41-6X
4	39.90657	-102.22392	ALLISON #44-6
5	39.90997	-102.32241	BRENNER #33-5
6	39.90641	-102.31922	BRENNER 244 #5-16-2
7	39.90000	-102.24000	BRETHAUER #44-1
8	40.02389	-102.39144	BROWN #23-27
9	40.02390	-102.40542	BROWN #33-28
10	40.01959	-102.39925	BROWN #44-28
11	39.89482	-102.22584	BRUDER #1-7
12	39.97038	-102.37097	BRUEGGEMAN #12-13
13	39.97099	-102.38654	BRUEGGEMAN #22-14
14	39.84205	-102.25975	BUCHANAN #42-35
15	40.08521	-102.38994	BURKE #22-3
16	39.99037	-102.32359	CDM PARTNERSHIP #31-8
17	39.96877	-102.32357	CDM PARTNERSHIP #33-17
18	39.98140	-102.32614	CDM PARTNERSHIP #33-8
19	39.88196	-102.17747	CHAPMAN #23-15
20	39.87866	-102.17749	CHAPMAN #24-15
21	39.86085	-102.18205	CRANMER #11-27
22	39.84973	-102.18197	CRANMER #14-27
23	39.85468	-102.17863	CRANMER #2-27
24	39.86081	-102.17264	CRANMER #31-27
25	39.85225	-102.18090	CRANMER #3-27
26	39.85322	-102.17085	CRANMER #33-27
27	39.99034	-102.33415	DETERDING #11-8
28	40.02253	-102.35753	DETERDING #13-25
29	40.04854	-102.33813	DETERDING #14-18
30	40.02285	-102.35209	DETERDING #23-25
31	39.97902	-102.34211	DIAMOND G FARMS #34-7
32	39.84597	-102.20000	EKBERG #11-33
33	39.88562	-102.18223	EKBERG #12-15
34	39.83839	-102.20000	EKBERG #13-33
35	39.87809	-102.18233	EKBERG #14-15
36	39.88922	-102.17752	EKBERG #21-15
37	39.88596	-102.17710	EKBERG #22-15
38	39.83413	-102.19467	EKBERG #2-33
39	39.88919	-102.17319	EKBERG #31-15
40	39.84502	-102.18903	EKBERG #3-33
41	39.87862	-102.17207	EKBERG #34-15
42	39.88623	-102.17184	EKBERG #4-15
43	39.88531	-102.16884	EKBERG #42-15
44	39.88182	-102.16828	EKBERG #43-15
45	39.83778	-102.18986	EKBERG #4-33
46	39.87811	-102.16760	EKBERG #44-15
47	39.79810	-102.22753	FEDERAL ALLEN #32-18
48	39.96964	-102.31586	FIX #13-16
49	40.03059	-102.39426	FONTE #11-27
50	40.02641	-102.39541	FONTE #12-27
51	40.02826	-102.38336	FONTE #1-27
52	40.02641	-102.39541	FONTE #21-27
53	40.02776	-102.38946	FONTE #22-27
54	40.02300	-102.38024	FONTE #2-27X
55	40.03060	-102.38586	FONTE #31-27
56	40.02125	-102.39307	FONTE #3-27
57	40.02468	-102.38628	FONTE #33-27
58	40.03018	-102.38296	FONTE #41-27
59	40.02578	-102.37469	GARDNER #12-26X
60	40.01935	-102.37631	GARDNER #14-26

Attachment A - Facilities Inspected			
Count	Location		Facility Name
	Latitude	Longitude	
61	40.03056	-102.37098	GARDNER #21-26
62	39.88956	-102.31529	HARDWICK #11-16
63	39.90789	-102.30911	HARDWICK 244 #4-1
64	39.86285	-102.38520	HARDWICK BOOSTER STATION
65	39.90903	-102.29685	HAYS #13-3
66	39.86047	-102.17699	HEATH #21-27
67	39.85696	-102.17650	HEATH #22-27
68	39.85307	-102.17706	HEATH #23-27
69	39.84917	-102.17663	HEATH #24-27
70	39.85669	-102.16705	HEATH #42-27
71	39.85309	-102.16751	HEATH #43-27
72	39.89268	-102.20090	HERBERT #14-9
73	39.89636	-102.19125	HERBERT #1-9
74	39.90299	-102.19635	HERBERT #21-9
75	39.89984	-102.19753	HERBERT #22-9
76	39.89632	-102.19631	HERBERT #23-9
77	39.89283	-102.19576	HERBERT #24-9
78	39.89288	-102.19769	HERBERT #2-9
79	39.89971	-102.19033	HERBERT #32-9
80	39.89273	-102.19167	HERBERT #34-9
81	39.90204	-102.19956	HERBERT #3-9
82	39.90361	-102.18698	HERBERT #41-9
83	39.89997	-102.18699	HERBERT #42-9
84	39.89638	-102.18697	HERBERT #43-9
85	39.89268	-102.18698	HERBERT #44-9
86	40.08133	-102.44368	JT FARMS #33-6
87	40.07789	-102.44329	JT FARMS #34-6
88	40.01902	-102.37319	KEELER #24-26
89	39.98589	-102.40429	KISER #22-10
90	39.98726	-102.39658	KISER #41-10
91	39.76814	-102.06266	KLIE #27-12-3
92	39.76292	-102.05291	KLIE #27-16-2
93	39.76032	-102.06205	KLIE #34-4-2
94	40.23386	-102.6243	KN STATE #1
95	39.60041	-102.24217	KNAPP #21-25
96	39.59330	-102.24272	KNAPP #23-25
97	39.98080	-102.33220	LIPPERT #1-8
98	40.18224	-102.60854	NEUHAUS #1-34
99	40.18978	-102.60575	NEUHAUS #41-34
100	40.18631	-102.60583	NEUHAUS #42-34
101	40.08508	-102.43317	NEWTON #12-5
102	40.07708	-102.47469	NEWTON #44-2
103	40.08755	-102.420441	NEWTON 145 #5-1-2
104	40.08141	-102.4321	NEWTON 390 #5-12-1
105	40.07779	-102.48449	NEWTON 397 #2-14-1
106	40.08449	-102.45098	NEWTON 398 #6-5-1
107	40.08411	-102.46236	NEWTON 674 #1-8-1
108	40.08331	-102.45191	NEWTON COMPRESSOR STATION
109	39.89943	-102.21502	ODELL #22-8
110	39.89214	-102.23307	ODELL #24-7
111	39.89214	-102.23307	ODELL #24-8
112	39.89064	-102.23425	ODELL #2-7
113	39.89060	-102.21524	ODELL #2-8
114	39.89931	-102.22939	ODELL #32-7
115	39.89285	-102.21056	ODELL #34-8
116	39.90031	-102.22516	ODELL #3-7
117	39.89706	-102.20691	ODELL #3-8
118	39.89213	-102.22411	ODELL #44-7
119	39.90061	-102.23617	ODELL #4-7
120	39.90032	-102.21803	ODELL #4-8

Attachment A - Facilities Inspected			
Count	Location		Facility Name
	Latitude	Longitude	
121	39.87444	-102.24748	PECAR #31-24
122	39.87084	-102.24740	PECAR #32-24
123	39.86727	-102.24733	PECAR #33-24
124	39.86367	-102.24724	PECAR #34-24
125	39.85000	-102.24000	PECAR #34-25
126	40.17837	-102.61887	POWELL #14-34
127	39.91800	-102.30020	PRAIRIE RIDGE #41-4
128	40.17842	-102.60600	PRESCOTT #44-34
129	39.84586	-102.19531	RENZELMAN #21-33
130	39.84221	-102.19099	RENZELMAN #32-33
131	39.86070	-102.16749	RENZELMAN #41-27
132	39.84583	-102.18646	RENZELMAN #41-33
133	39.88165	-102.22897	ROSE #13-18
134	39.88885	-102.23339	ROSE #21-18
135	39.88378	-102.23427	ROSE #2-18
136	39.88443	-102.23366	ROSE #22-18
137	39.88170	-102.23341	ROSE #23-18
138	39.88887	-102.22926	ROSE #31-18
139	39.88648	-102.22555	ROSE #3-18
140	39.88489	-102.22933	ROSE #32-18
141	39.88164	-102.22897	ROSE #33-18
142	39.88884	-102.22451	ROSE #41-18
143	39.88171	-102.22423	ROSE #43-18
144	39.87798	-102.22365	ROSE #44-18
145	39.76608	-102.24876	SCHAFFER #23-25
146	39.76906	-102.25814	SCHAFFER #42-26
147	39.89318	-102.33241	SCHEPLER #14-8
148	39.88888	-102.23779	SHAY #11-18
149	39.90326	-102.23807	SHAY #11-7
150	39.90259	-102.21964	SHAY #11-8
151	39.89603	-102.21978	SHAY #13-8
152	39.90334	-102.21496	SHAY #21-8
153	39.89977	-102.23384	SHAY #22-7
154	39.89609	-102.23335	SHAY #23-7
155	39.89609	-102.21508	SHAY #23-8
156	39.90333	-102.21035	SHAY #31-8
157	39.89604	-102.22923	SHAY #33-7
158	39.89619	-102.21021	SHAY #33-8
159	39.89243	-102.22787	SHAY #34-7
160	39.90345	-102.20569	SHAY #41-8
161	39.89571	-102.20510	SHAY #43-8
162	39.87256	-102.24519	SIMMONS #1-24
163	39.88927	-102.16802	SIMMONS #41-15
164	40.23299	-102.51283	STATE #16-31
165	40.22792	-102.51674	STATE #16-33
166	39.71001	-102.06457	STATE #16-9-1
167	40.23388	-102.52224	STATE #21-16
168	39.83935	-102.26491	STATE #33-35X
169	40.23066	-102.62508	STATE #42-16
170	40.22612	-102.62521	STATE #43-16
171	40.09139	-102.35302	STATE/L&D #24-36
172	40.02965	-102.37600	STONE #11-26
173	40.02659	-102.35755	STONE #12-25
174	40.02960	-102.35635	STONE #1-25
175	40.02830	-102.36369	STONE #1-26
176	40.03019	-102.35244	STONE #21-25
177	40.02434	-102.37136	STONE #2-26 (RF)
178	40.02435	-102.36935	STONE #23-26
179	40.02938	-102.36734	STONE #31-26
180	40.02230	-102.37431	STONE #3-26

Attachment A - Facilities Inspected			
Count	Location		Facility Name
	Latitude	Longitude	
181	40.02312	-102.36592	STONE #33-26
182	40.02022	-102.36843	STONE #34-26
183	40.03052	-102.36151	STONE #41-26
184	40.02221	-102.36345	STONE #4-26
185	40.08820	-102.58451	STULP #11-1
186	40.08431	-102.58447	STULP #12-1
187	40.08076	-102.58144	STULP #23-1
188	40.08856	-102.57032	STULP #41-1
189	40.08468	-102.56995	STULP #42-1
190	40.08060	-102.56939	STULP #43-1
191	40.07745	-102.56936	STULP #44-1
192	39.97443	-102.32212	STULTS #31-17
193	39.95683	-102.34188	STULTS #32-19
194	40.03031	-102.41435	TONER #11-28
195	40.02656	-102.41409	TONER #12-28
196	40.02851	-102.40197	TONER #1-28
197	40.02390	-102.41261	TONER #13-28
198	40.01945	-102.41367	TONER #14-28
199	40.03056	-102.40935	TONER #21-28
200	40.02615	-102.40973	TONER #22-28
201	40.02131	-102.40128	TONER #2-28
202	40.02044	-102.40855	TONER #24-28
203	40.02306	-102.40868	TONER #3-28
204	40.01916	-102.40607	TONER #34-28
205	40.03058	-102.40044	TONER #41-28
206	39.93321	-102.31758	VERNON COMPRESSOR STATION
207	39.87453	-102.25687	WELP #11-24
208	39.87092	-102.25682	WELP #12-24
209	39.86717	-102.25677	WELP #13-24
210	39.86362	-102.25203	WELP #24-24
211	39.97052	-102.36056	WELP FAMILY FARMS #32-13
212	39.98800	-102.35103	WESTERBERG #12-7
213	39.98965	-102.34180	WESTERBERG #31-7
214	39.84223	-102.19999	WHOMBLE #12-33
215	39.83845	-102.20448	WHOMBLE #43-32
216	39.90643	-102.32968	WINGFIELD 244 #5-1
217	39.89627	-102.33752	WINGFIELD 244 #7-9-2