

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:	Whiting Oil and Gas Corporation		
Inspection Year:	2015	# Facilities Inspected: ²	139
Contact Person:	Chenine Wozniak	Title:	Env. Professional III
Phone Number:	(303) 802-8369	E-mail Address:	chenine.wozniak@whitng.com

Section 2: LDAR Inspections

Inspection Method	# Inspections ³
AIMM at Natural Gas Compressor Stations:	2
AIMM at Well Production Facilities:	588
AVO at Well Production Facilities:	5221
TOTAL	5811

Section 3: Leaking Components Details

Component Type	# Leaks Identified ⁴	# Leaks Repaired	# Leaks on Delay of Repair List as of Dec 31
Valves:	467	459	4
Connectors:	764	752	5
Flanges:	148	145	3
Pump Seals:	20	20	0
Pressure Relief Devices:	89	88	0
TOTAL	1488	1464	12

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:
Pete Hagist	SVP of Planning
Signature:	Date:
<i>Peter W. Hagist</i>	<i>5/25/2016</i>

Section 5: Additional Notes

1. Whiting may perform AVO and AIMM inspections at facilities that are not subject to Regulation 7. The facilities listed in Section 6 are all facilities that were inspected in the compliance year, regardless of applicability for Regulation 7.
2. Whiting may perform inspections at frequencies greater than what is required in Regulation 7. All AIMM inspections are reported in the total. Where more than one AVO inspection occurred in a week, Whiting has reported one inspection. Note that all identified leaks were addressed regardless of whether the inspection is counted in the total.
3. Any discrepancies between the number of leaks identified and the number of leaks repaired are due to leaks identified before January 1 of this compliance year but repaired in this compliance year or leaks identified before December 31 of this compliance year but repaired in the next compliance year.

Section 6: Facilities Inspected

Addendum Table 1		
Plant AIRS ID (e.g., 123/7896)	Location (e.g., Lat/Long)	Facility Name
N/A	40.80033/-103.89525	Brennan #1 1
123/9289	40.79114/-104.04658	Chalk Bluffs 36-13H
123/9BC7	40.787214/-104.042114	Church 36-2523H
123/9E1D	40.766983/-103.70394	Cottonwood 08E
TBD	40.87479/-103.72525	Horsetail 02D
123/9C80	40.853972/-103.801656	Horsetail 07E (Horsetail 07-0611H)
123/9E2A	40.859761/-103.783389	Horsetail 08D
123/9C40	40.845272/-103.754508	Horsetail 16-1610B
123/9CB9	40.832508/-103.801281	Horsetail 18-0713H
123/9808	40.832514/-103.791947	Horsetail 18-0733H
123/9DD3	40.810706/-103.77218	Horsetail 29G
123/9E18	40.81076/-103.78922	Horsetail 30 CPB
N/A	40.810683/-103.796247	Horsetail 30F
123/9D6F	40.78902/-103.7618	Horsetail 33M Pad
N/A	40.79273/-103.89633	Johnston #1
123/8515	40.96426/-104.31756	Kern 43-33
N/A	40.78255/-103.80006	Motis #1-6
123/2510	40.836349/-103.905199	Nelson Ranches C-1
N/A	40.8584/-103.91396	Nelson Ranches #1
123/2506	40.84548/-103.90946	Nelson Ranches A1, A2, 1-4
N/A	40.85485/-103.9137	Nelson Ranches #2
N/A	40.85832/-103.91872	Nelson Ranches #4
N/A	40.84401/-103.90627	Nelson Ranches A #1-7 1
N/A	40.84409/-103.89717	Nelson Ranches A #1-7 2
N/A	40.83658/-103.88733	Nelson Ranches A #1-7 4
N/A	40.82923/-103.8968	Nelson Ranches A #1-7 A-5
N/A	40.8293/-103.88708	Nelson Ranches A #1-7 6
N/A	40.82285/-103.88829	Nelson Ranches A #1-7 7
N/A	40.83873/-103.89978	Nelson Ranches A-4, A-5
123/2509	40.827321/-103.895381	Nelson Ranches A6, A7
N/A	40.8144036/-103.899441	Nelson Ranches F #1 1
123/9239	40.83522/-103.99217	Pawnee 16-13H
123/9810	40.745398/-103.798596	Pawnee Creek 9-57-18 1H

TBD	40.853428/-103.898167	Razor 08E
123/9DF5	40.8543/-103.85883	Razor 10E
123/9D72	40.85395/-103.83287	Razor 11 CPB
N/A	40.853983/-103.839508	Razor 11E
N/A	40.85411/-10383532	Razor 11F
N/A	40.854321/-103.829602	Razor 11G
N/A	40.854544/-103.825431	Razor 11H
123/9B04	40.854122/-103.806436	Razor 12H (Razor 12-0141H)
123/9B10	40.832447/-103.825372	RAZOR 14-1143H
123/9AD0	40.8301494/-103.865863	Razor 21 CPB
N/A	40.830272/-103.863561	Razor 21A
N/A	40.830203/-103.868331	Razor 21B
N/A	40.830131/-103.873178	Razor 21C
123/9B8F	40.830344/-103.858675	Razor 22D (Razor 22-2712H)
123/9D78	40.816139/-103.810814	Razor 25B Pad
123/9BD1	40.816125/-103.820411	Razor 25D
123/9D64	40.8087/-103.8366	Razor 26 CPB
N/A	40.808522/-103.825094	Razor 26I Pad
N/A	40.808756/-103.829742	Razor 26J Pad
N/A	40.809092/-103.834525	Razor 26K Pad
N/A	40.808522/-103.839531	Razor 26L Pad
123/9D02	40.808914/-103.844297	Razor 27I Pad
N/A	40.80865/-103.848828	Razor 27J Pad
123/9C63	40.808594/-103.853714	Razor 27K Pad
123/9B6C	40.808881/-103.858489	Razor 27L Pad
123/9E58	40.810294/-103.891858	Razor 29F
123/9DA4	40.808304/-103.910576	Razor 30K Pad
TBD	40.788559/-103.870215	Razor 33 CPB
N/A	40.789186/-103.876925	Razor 33-2813H (Razor 33M)
N/A	40.7888423/-103.87183	Razor 33N
N/A	40.7885776/-103.86688	Razor 33O
N/A	40.7885776/-103.86688	Razor 33P
123/9812	40.905583/-103.828825	Runway 23-31H
123/9290	40.800029/-103.933867	Terrace 36-11H
123/9AF2	40.920428/-103.734511	Two Mile 15-1033H
123/9473	40.91033/-103.74305	Two Mile Creek 22-13H
N/A	40.80745/-103.89658	UHL 1
N/A	40.81468/-103.89661	UHL 2
N/A	40.798642/-103.898869	Walker #1
123/9AE8	40.786222/-103.952306	Wildhorse 02-0214H Pad
123/9A72	40.786375/-103.947956	Wildhorse 02-0224H
123/9AD1	40.785967/-103.990206	Wildhorse 04-0414H
132/9BE3	40.786014/-103.985531	Wildhorse 04-0424H
123/9B80	40.785783/-104.008578	Wildhorse 05-0514H
123/9C7E	40.785994/-104.028478	WILDHORSE 06-0614H
123/9ACD	40.785664/-104.018711	Wildhorse 06-0634H
123/9383	40.74857/-103.9902	Wildhorse 16-13H
123/9951	40.744103/-103.990206	Wildhorse 16-42H Pad
123/9C4C	40.756967/-104.018808	Wildhorse 18-1834H

123/989D	40.756886/-104.014031	Wildhorse 18-1844H
123/9D97	40.852931/-103.934714	Wolf 12L-0103
123/9893	40.788114/-103.952628	Wolf 35 Pad
N/A	40.788114/-103.952628	Wolf 35-2613H
123/9969	40.801019/-103.929136	Wolf 36-3624
103/0398	39.8526/-108.31296	BOIES A-29D Pad
103/0340	39.85808/-108.3292	BOIES B-19N Pad
103/0407	39.855592/-108.319093	BOIES B-19P Pad
103/0362	39.8558/-108.35928	BOIES C-23O Pad
103/0399	39.85608/-108.33935	BOIES C-24M Pad
103/0363	39.85677/-108.34842	BOIES C-24O Pad
103/0465	39.85168/-108.37366	BOIES C-27A Pad
103/0397	39.84095/-108.39385	BOIES C-28P Pad
103/0402	39.82092/-108.42065	BOIES C-5F Pad
103/0347	39.85257/-108.32896	Boies Ranch Facility
103/0344	40.08687/-108.7711	Central 6
N/A	40.15258/-108.89325	Equity Federal 1-7
N/A	40.152089/-108.888868	Equity Federal 2-7
103/0342	40.153598/-108.895667	EQUITY FEDERAL 1-7 CTB
N/A	40.08568/-108.77852	FEDERAL 1
N/A	40.0829/-108.77872	FEDERAL 12-6
N/A	39.84502/-108.37345	FEDERAL 298 27-5 Pad
103/0466	39.82045/-108.26572	Federal 397-3G Pad
103/0561	39.81591/-108.26894	FEDERAL 397-3K Pad
N/A	39.85486/-108.37276	GOVERNMENT 298-22-2
N/A	39.84034/-108.37178	GOVERNMENT 298-27-3
N/A	39.85277/-108.36408	GOVERNMENT EQUITY 298 26-1
N/A	39.8421/-108.3659	GOVERNMENT EQUITY 298 26-2
N/A	39.84891/-108.34655	GOVERNMENT EQUITY 298-25-1 Pad
N/A	40.97612/-108.70809	HIAWATHA 2
N/A	40.962283/-108.703567	HIAWATHA 3
N/A	40.0871/-108.77346	HILL 6-6
103/0350	39.8189/-108.26702	Jimmy Gulch Station
081/0304	40.97709/-108.71963	LION GOVERNMENT 11
N/A	40.97565/-108.72212	LION GOVERNMENT 11-26
N/A	40.97034/-108.70801	LION GOVERNMENT 12-26
081/0282	40.95895/-108.70304	LION GOVERNMENT 12-36
N/A	40.95568/-108.70311	LION GOVERNMENT 13-36
N/A	40.965164/-108.721256	LION GOVERNMENT 14-26
081/0283	40.95894/-108.69866	LION GOVERNMENT 22-36
N/A	40.96948/-108.71772	LION GOVERNMENT 23-26
N/A	40.95492/-108.69883	LION GOVERNMENT 23-36
N/A	40.973216/-108.718604	LION GOVERNMENT 31-26D
N/A	40.96221/-108.6943	LION GOVERNMENT 31-36
081/0284	40.95878/-108.69538	LION GOVERNMENT 32-36
N/A	40.95558/-108.6946	LION GOVERNMENT 33-36
N/A	40.96574/-108.71256	LION GOVERNMENT 34-26
N/A	40.967744/-108.716307	LION GOVERNMENT 4
081/0305	40.962113/-108.689775	LION GOVERNMENT 41-36

N/A	40.95871/-108.69107	LION GOVERNMENT 42-36
N/A	40.973417/-108.709396	LION GOVERNMENT 5
N/A	40.97049/-108.7091	LION GOVERNMENT 6
N/A	40.965936/-108.708215	LION GOVERNMENT 7
N/A	40.968187/-108.712979	LION GOVERNMENT 8
N/A	40.971949/-108.712533	LION GOVERNMENT 9
103/0341	40.12662/-108.81624	LUFF FEDERAL 1-23
103/0343	40.08983/-108.778	PEPPER M ET AL 1

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.