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May 23, 2016

Mr. Christopher Laplante
Air Pollution Control Division
Colorado Department of Public Health and Environment
APCD-SS-B1
4300 Cherry Creek Drive South
Denver, CO 80246

SUBJECT: Transmittal of Noble's 2015 LDAR Report

Dear Mr. Laplante:

Attached is the 2015 annual report summarizing Noble Energy's leak detection and repair activities conducted during the 2015 calendar year. This report is due to the Division by May 31, 2016 as required by Regulation 7, §XVII.F.9.

In addition to the information provided in this report, Noble would like to provide the following facts based on data compiled during the 2015 calendar year:

- An estimated 17,700,000 components were inspected in 2015 with a component leak rate of only 0.1%
- 81% of leaks found are repaired immediately and the majority of remaining leaks are repaired in an average of two days
- Over 170,000, or 92%, of scheduled regulatory-required inspections did not observe any leaks
- Facilities received an average of over 60 audio, visual and olfactory (AVO) and IR camera inspections in 2015
- With seventeen full-time team members contributing to leak detection, Noble dedicated over 35,000 man hours to the leak detection and repair program in 2015

Please contact me at (303) 228-4196 if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Sarah Koz." followed by a stylized flourish.

Sarah Koziolkowsky
Environmental Scientist

cc: Brian Taylor, Noble
Phil Schlagel, Noble
Don Baskin, Noble

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:	Noble Energy, Inc.		
Inspection Year:	2015	# Facilities Inspected: ²	2,826
Contact Person:	Sarah Koziolkowsky	Title:	Environmental Scientist
Phone Number:	303-228-4196	E-mail Address:	S.Koziolkowsky@nbleenergy.com

Section 2: LDAR Inspections

Inspection Method	# Inspections ³
AIMM at Natural Gas Compressor Stations:	0
AIMM at Well Production Facilities:	4,910*
AVO at Well Production Facilities:	182,176
TOTAL	187,086

Section 3: Leaking Components Details

Component Type	# Leaks Identified ⁴	# Leaks Repaired	# Leaks on Delay of Repair List as of Dec 31
Valves:	5,374	5,356	4
Connectors:	7,069	7,053	13
Flanges:	277	269	10
Pump Seals:	1,350	1,326	17
Pressure Relief Devices:	2,054	2,042	1
TOTAL	16,124**	16,046***	45

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:
<i>R M PATTERSON</i>	<i>VP NOBLE ENERGY INC.</i>
Signature:	Date:
<i>RMPatt</i>	<i>5/23/2016</i>

