

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>	7. Unit Agreement Name NA
2. Name of Operator ARCO Oil and Gas Co., A division of Atlantic Richfield Co.	8. Farm or Lease Name Arco Leeson
3. Address of Operator P.O. Box 1610, Midland, Texas 79702	9. Well No. 2
4. Location of Well UNIT LETTER E 1855 FEET FROM THE North LINE AND 515 FEET FROM West 27 TOWNSHIP 25N RANGE 3W NMPM.	10. Field and Pool, or Wildcat W. Lindrith/Gallup-Dako
15. Elevation (Show whether DF, RT, GR, etc.) 7303' GL	12. County Rio Arriba

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER Reclamation <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

API# 30-039-23880

We hereby request approval to spread used drilling fluids from the ARCO Leeson #2 well onto fee roads located in Sections 22, 27, 28-T25N R3W.

The purpose of this is for dust abatement and compaction during road upgrading on unpaved roads as well as to dispose of these non-toxic substances. This work has been approved by the local landowners Mr. Tony Schmitz Sr and Mr. Ray Leeson. We also reference verbal approval from Mr. Charles Gholson of your office, given to Dan Lowe on June 25, 1986.

A sample analysis taken from the ARCO Leeson #2 reserve pit is submitted for your approval of this notice.

Should you have any questions please contact Mr. Don McElwey at (915) 688-5682.

RECEIVED  
JUN 30 1986  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

S/SNRP Daniel S. Lowe TITLE Drilling Analyst Supv. DATE 6/26/86

APPROVED BY Original Signed by FRANK T. CHAVEZ SUPERVISOR DISTRICT 3 DATE JUN 30 1986

CONDITIONS OF APPROVAL, IF ANY:

# CDS LABORATORIES

A DIVISION OF CASA DEL SOL, INC.

1474 Main Avenue #131  
Post Office Box 2605  
Durango, Colorado 81301

ARCO  
ATIN ROBERT SCHWERING  
1112 5th ST  
GOLDEN CO 80403

(303) 247-4220



CDS ID # 2831

## FIELD INFORMATION/DATA

Sample Description: Leeson #2  
Date Taken: 6/16/86 Time: 3:50  
Date Received in Lab: 6/17/86  
Date Completed: \_\_\_\_\_  
QA Check: \_\_\_\_\_

Alkalinity	_____	mg/L
Conductivity at 25°	_____	umhos/cm
Dissolved Oxygen	_____	mg/L
pH	_____	units
Temperature	_____	°C
Flow	_____	

## PHYSICAL PARAMETERS

Acidity	_____	mg/L
Alkalinity (CaCO <sub>3</sub> )	<u>620</u>	mg/L
Color	_____	
Conductivity at 25°	_____	umhos/cm
Dissolved Oxygen	_____	mg/L
Hardness (CaCO <sub>3</sub> )	<u>530</u>	mg/L
pH	<u>8.42</u>	units
Specific Gravity	_____	mg/L
Temperature	_____	°C
Total Combustables	_____	mg/L
Total Dissolved Solids	<u>10,400</u>	mg/L
Total Solids	_____	mg/L
Total Suspended Solids	_____	mg/L
Turbidity (as FTU)	_____	mg/L

## TRACE METALS

Total Dissolved	mg/L
Aluminum	_____
Antimony	_____
Arsenic	<u>&lt;2</u>
Barium	<u>0.8</u>
Beryllium	_____
Boron	_____
Cadmium	<u>&lt;0.1</u>
Calcium	<u>131</u>
Chromium:	
Total	<u>&lt;2</u>
+3 Form	_____
+4 Form	_____
Cobalt	_____
Copper	_____
Iron	_____
Lead	<u>&lt;5</u>
Magnesium	_____
Manganese	_____
Mercury	<u>&lt;0.1</u>
Molybdenum	_____
Nickel	_____
Phosphorus	_____
Potassium	<u>1060</u>
Selenium	<u>&lt;1</u>
Silver	<u>&lt;2</u>
Sodium	<u>2560</u>
Thallium	_____
Tin	_____
Uranium	_____
Vanadium	_____
Zinc	_____

## CHEMICAL PARAMETERS

Bicarbonate	_____	mg/L
BOD	_____	
Carbonate	_____	
Carbon Dioxide	_____	
COD	_____	
Chloride	<u>4970</u>	
Chlorine Demand	_____	
Coliform	_____	
Cyanide	_____	
Fluoride	_____	
MBAS	_____	
Nitrogen:		
Ammonia	_____	
Nitrate	_____	
Nitrate/Nitrite	_____	
Nitrite	_____	
Total	_____	
Phenols	_____	
Phosphate	_____	
Silica	_____	
Sulfate	<u>140</u>	
Sulfide	_____	
Oil & Grease	<u>1380</u>	

## RADIOMETRIC ANALYSIS

Gross Alpha	_____	pCi/L
Gross Beta	_____	
Radium 226	_____	
Radium 228	_____	

## PESTICIDES

_____	_____	pCi/L
_____	_____	
_____	_____	
_____	_____	

## HERBICIDES

_____	_____	pCi/L
_____	_____	
_____	_____	
_____	_____	

# RUSH

THIS LABORATORY REPORT MAY NOT BE PUBLISHED OR USED FOR ADVERTISING OR IN CONNECTION WITH ADVERTISING OF ANY KIND WITHOUT PRIOR WRITTEN PERMISSION FROM CDS LABORATORIES. RESULTS ARE BASED ON ANALYSIS MADE AT THE TIME SAMPLES ARE RECEIVED AT LABORATORY

Dr. Joe Bowden Director

Members of:  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE  
AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS  
AMERICAN SCIENTIFIC AFFILIATION  
SIGMA XI