

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
Fee	

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-		7. Unit Agreement Name N/A
2. Name of Operator ARCO Oil and Gas Co., 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. 1
4. Location of Well UNIT LETTER _____ 1740 FEET FROM THE South LINE AND 1800 FEET FROM THE West LINE, SECTION 27 TOWNSHIP T25N RANGE R3W NMPM.		10. Field and Pool, or Wildcat West Lindrith/Gallup-Dako
15. Elevation (Show whether DF, RT, GR, etc.) 7210 GL		12. County Rio Arriba

16. 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 JOB <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.

We hereby request approval to spread used drilling fluids from the ARCO Leeson #1 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 your office given by Mr. Charles Gholson to Dan Lowe on June 25, 1986.

A sample analysis taken from the ARCO Leeson #1 reserve pit is submitted for your approval of this notice.

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

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JUN 30 1986

OIL CON. DIV.]

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

SIGNER D. E. Lowe TITLE Drlg Analyst Supv. DATE 6/26/86

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE 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
ATTN ROBERT SCHWERING
1112 5th ST
GOLDEN CO 80403

(303) 247-4220



CDS ID # 2834

FIELD INFORMATION/DATA

Sample Description: Leeson #1

Date Taken: 6/16/86 Time: 3:31

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 ₃)	<u>200</u>	mg/L
Color	_____	
Conductivity at 25°	_____	umhos/cm
Dissolved Oxygen	_____	mg/L
Hardness (CaCO ₃)	<u>68</u>	mg/L
pH	<u>9.65</u>	units
Specific Gravity	_____	mg/L
Temperature	_____	°C
Total Combustables	_____	mg/L
Total Dissolved Solids	<u>3460</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><2</u>
Barium	<u><0.5</u>
Beryllium	_____
Boron	_____
Cadmium	<u><0.1</u>
Calcium	<u>22.5</u>
Chromium:	
Total	<u><2</u>
+3 Form	_____
+4 Form	_____
Cobalt	_____
Copper	_____
Iron	_____
Lead	<u><5</u>
Magnesium	_____
Manganese	_____
Mercury	<u><.01</u>
Molybdenum	_____
Nickel	_____
Phosphorus	_____
Potassium	<u>448</u>
Selenium	<u><1</u>
Silver	<u><.2</u>
Sodium	<u>763</u>
Thallium	_____
Tin	_____
Uranium	_____
Vanadium	_____
Zinc	_____

CHEMICAL PARAMETERS mg/L

Bicarbonate	_____
BOD	_____
Carbonate	_____
Carbon Dioxide	_____
COD	_____
Chloride	<u>1470</u>
Chlorine Demand	_____
Coliform	_____
Cyanide	_____
Fluoride	_____
MBAS	_____
Nitrogen:	
Ammonia	_____
Nitrate	_____
Nitrate/Nitrite	_____
Nitrite	_____
Total	_____
Phenols	_____
Phosphate	_____
Silica	_____
Sulfate	<u>78</u>
Sulfide	_____
Oil & Grease	<u>1280</u>

RADIOMETRIC ANALYSIS pCi/L

Gross Alpha	_____
Gross Beta	_____
Radium 226	_____
Radium 228	_____

PESTICIDES pCi/L

_____	_____
_____	_____
_____	_____
_____	_____

HERBICIDES pCi/L

_____	_____
_____	_____
_____	_____
_____	_____

RUSH

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Dr. Joe Bowden

Director

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SIGMA XI