

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form



Release Notification and Corrective Action

30 045 32228

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Devon Energy	Contact	Steve Zink
Address	P O Box 6459 Navajo Dam, NM 87419	Telephone No.	505-632-0244
Facility Name	NEBU 330	Facility Type	Gas Well

Surface Owner	BLM/BOR	Mineral Owner	BLM	Lease No.	NEBU 330
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	27	31N	7W	2,400	South Line	2,260	West Line	San Juan

Latitude N 36°52.191' Longitude W 107° 33.548'

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	83 Bbls	Volume Recovered	0 Bbls
Source of Release	Opened ended poly line	Date and Hour of Occurrence		Date and Hour of Discovery	11/5/4 13:30
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Denny Foust		
By Whom?	Darren Smith	Date and Hour	November 5, 2004 @ 5 PM		
Was a Watercourse Reached?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	73 Barrels		

If a Watercourse was Impacted, Describe Fully.*

Produced water drained from location down ravine below the high water level (HWL) of Navajo Lake. Spill did not reach current water level of lake. A trace amount of compressor lube oil was present in the produced water stream. This oil was captured high in the drainage in the vicinity of the release site and did not reach the HWL. Water infiltrated the sandy soils along the spill path. Spill start location was Lat.: N 36° 52.191' Long.: W 107° 33.548' EL.: 6318'. Spill end location was Lat.: N 36° 52.034' Long.: W 107° 33.795' EL.: 6063'. Lake water location was Lat.: N 36° 51.823' Long.: W 107° 33.897' EL.: 6011'.

Describe Cause of Problem and Remedial Action Taken.*

Valve at water valve culvert was accidentally opened by crew that was painting equipment. Line was open ended at the NEBU 330 location. Produced water from the NEBU 494 coal well and line leaked and drained into ravine. Valve was locked closed. Polyline was excavated and capped.

Describe Area Affected and Cleanup Action Taken.*

Ravine and dry lake bed. Salt stained soils were mixed with existing non-contaminated soils in a few locations high in the drainage. A soil sample at the beginning and at the end of the leak was obtained and analyzed for Chlorides and SAR value (see attached). Soil sampling results were as follows: Start Chloride level = 83.7 mg/kg SAR=2.2 End Chloride level = 14.5 mg/kg SAR= 0.2 Also attached is a current water analysis from the source of the leak the NEBU 494. Soil sampling was witnessed by the OCD's Denny Foust on 11/8/04.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Steve Zink	Denny Foust Approved by District Supervisor: For Frank Chavez		
Title: Production Foreman	Approval Date: 11/22/04	Expiration Date:	
E-mail Address: Steve.Zink@dv.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: November 12, 2004 Phone: 505-632-0244			

* Attach Additional Sheets If Necessary

N DGF0431446679

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BJ SERVICES
Farmington District Lab
Water Analysis Report

Test # FW04-0135

Customer/Well Information

Company: Devon
Well Name: Nebu 494 2nd Tank
Location:
State: County, NM
Formation: Fruitland Coal
Depth: ft

Date: 11/8/2004
Prepared for: Kyle Beebe
Submitted by: Dave Shephard
Prepared by: Roger Calkins
Water Type: Produced

Background Information

Reason for Testing: Routine Sample Analysis
Completion type: N/A
Well History: N/A
Comments:

Sample Characteristics

Sample Temp: 81 (°F) **Viscosity:**
pH: 8.15 **Color:** clear
Specific Gravity: 1.010 **Odor:** somewhat metallic smell
S.G. (Corrected): 1.014 @ 60 °F **Turbidity:** medium
Resistivity (Meas.): 0.65 Ω-m **Filtrates:** suspended black particles

Sample Composition

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	267	11.6	264
Calcium	321	16.0	318
Magnesium	608	50.0	601
Barium	0	0.0	0
Potassium	240	6.1	238
Iron	1.00	0.0	0.99

ANIONS

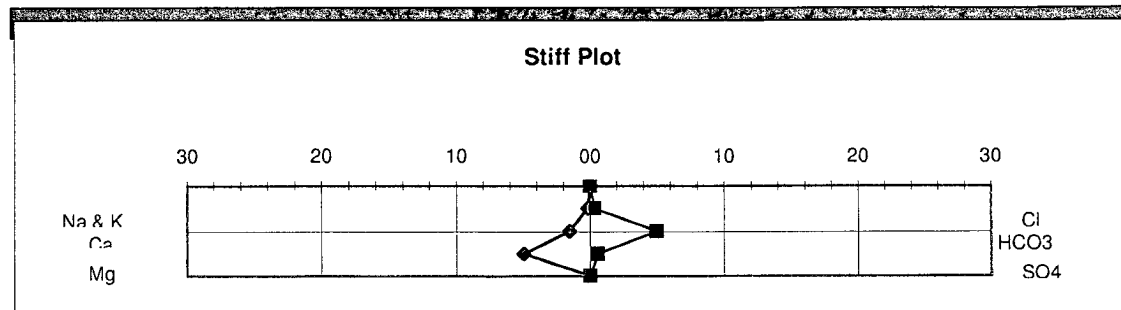
Chloride	1000	28.2	990
Sulfate	270	5.6	267
Hydroxide	0	0.0	0
Carbonate	< 1	----	----
Bicarbonate	3050	50.0	3020

SUMMARY

Total Dissolved Solids(calc.)	5516		5462
Total Hardness as CaCO3	3302	66.0	3270

Scaling Tendencies

CaCO3 Factor 978440 Calcium Carbonate Scale Probability --> POSSIBLE
CaSO4 Factor 86616 Calcium Sulfate Scale Probability -----> REMOTE



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**SAR, CI Analysis**

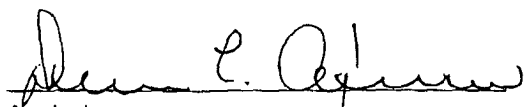
Client: Devon Energy
Sample ID: NEBU 330 Start
Laboratory Number: 31177
Chain of Custody: 13257
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 01058-001
Date Reported: 11-11-04
Date Sampled: 11-08-04
Date Received: 11-08-04
Date Extracted: 11-10-04
Date Analyzed: 11-11-04

Parameter	Analytical Result	Units
Calcium	119	mg/Kg
Magnesium	<0.01	mg/Kg
Sodium	85.5	mg/Kg
Sodium Absorption Ratio (SAR)	2.2	ratio
Chloride	83.7	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: NEBU 330.


Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**SAR, CI Analysis**

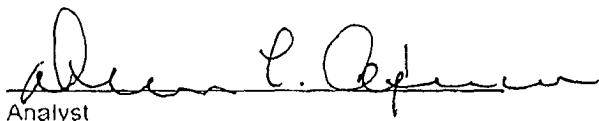
Client: Devon Energy
Sample ID: NEBU 330 End
Laboratory Number: 31178
Chain of Custody: 13257
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 01058-001
Date Reported: 11-11-04
Date Sampled: 11-08-04
Date Received: 11-08-04
Date Extracted: 11-10-04
Date Analyzed: 11-11-04

Parameter	Analytical Result	Units
Calcium	14.0	mg/Kg
Magnesium	<0.01	mg/Kg
Sodium	2.6	mg/Kg
Sodium Absorption Ratio (SAR)	0.2	ratio
Chloride	14.5	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: NEBU 330.


Analyst

Review