

BURLINGTON RESOURCES

SAN JUAN DIVISION

May 6, 2003

 New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Dear Sirs:

It is intended to move approximately fourteen loads of drilling water from the:

San Juan 30-6 Unit #444S, located at 1265' FNL, 1725' FWL, Sec. 36 T-30-N, R-6-W
State Lease E-347-22, API number 30-039-27258.

to:

Cat Draw Com #101S, located at 2445' FNL, 1970' FEL, Sec. 4, T-30-N, R-5-W
Federal Lease NMNM-4456, API number 30-039-27303.

A copy of the water sample is attached

Verbal approval received from Charlie Perrin, Oil Conservation Division on May 6, 2003

Sincerely,


Peggy Cole
Regulatory Supervisor

xc: cds
BLM





BJ SERVICES

Farmington District Lab

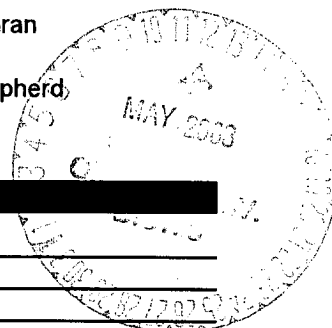
Water Analysis Report

Test # FW03-0078

Customer/Well Information

Company: Williams
Well Name: Rosa # 149B
Location:
State: San Juan County, NM
Formation: Dakota
Depth: ft

Date: 5/2/2003
Prepared for: Ron Cochran
Submitted by:
Prepared by: Dave Shepherd
Water Type: Produced



Background Information

Reason for Testing: Routine Water Analysis
Completion type:
Well History:
Comments:

Sample Characteristics

Sample Temp: 73 (°F)
pH: 6.45
Specific Gravity: 1.000
S.G. (Corrected): 1.003 @ 60 °F
Resistivity (Calc): 1.80 Ω-m
Viscosity: 1 cp
Color: Clear
Odor: None
Turbidity: None
Filtrates: None

Sample Composition

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	1188	51.7	1188
Calcium	80	4.0	80
Magnesium	15	1.2	15
Barium	0	0.0	0
Potassium	52	1.3	52
Iron	10.00	0.4	10.00

ANIONS

Chloride	600	16.9	600
Sulfate	780	16.2	780
Hydroxide	0	0.0	0
Carbonate	< 1	---	---
Bicarbonate	1562	25.6	1562

SUMMARY

Total Dissolved Solids(calc.)	4234		4234
Total Hardness as CaCO3	260	5.2	260

Scaling Tendencies

CaCO3 Factor 125240.3 Calcium Carbonate Scale Probability --> REMOTE
CaSO4 Factor 62556 Calcium Sulfate Scale Probability -----> REMOTE

