



02143893

1557-8

Company Champlin Petroleum Company	Sales Representative Joe C. Borla, Jr.
Address	Address
Attention Gary Cooper	Phone No.
Copy to Bob Crutchfield	Field, Lease or Well Box Elder #4 & 5
Date Submitted 11-27-77	Formation
Submitted by Jeff Kruger	Depth

001-06919

CHEMICAL ANALYSIS
Results expressed in parts per million

Pit 113807

SAMPLE MARKED									
Box Elder # 4 & 5									
Total Dissolved Solids	3251								
Suspended Solids									
Total Hardness (CaCO ₃)	55								
Calcium Hardness (CaCO ₃)	48								
Magnesium (CaCO ₃)	7								
Sodium (Na)	1159								
Silica (SiO ₂)									
"P" Alkalinity (CaCO ₃)	-0-								
"M" Alkalinity (CaCO ₃)	207								
"OH" Alkalinity (CaCO ₃)									
Chlorides (Cl)	1775								
Phosphate (PO ₄)									
Sulfite (SO ₃)									
Sulfate (SO ₄)	-0-								
Nitrite (NO ₃)									
Nitrate (NO ₄)									
Iron (Fe)	55								
Copper (Cu)									
Chromate (CrO ₄)									
pH Value	6.2								
Sulfide	.1								
Scaling Index (@60°C)	-.90								

REMARKS:

Copy Left with	Signed <i>Jeff Kruger</i> by C.R.L.	Title Chemist	Date 11-27-77
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ALCAN PACIFIC CHEMICALS INC.

P.O. Box 739, Longmont, Colo. 80501