

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No M 1-9072 Date January 4, 1978

Operator EPNG Well Name SJ 28-5 Unit #52

Location 33-28-5 County Rio Arriba State NM

Field Blanco Formation Mesa Verde

Sampled From Tubing

Date Sampled 11-28-77 By Mike McKinney

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press _____

	ppm	epm		ppm	epm
Sodium	<u>3450</u>	<u>150</u>	Chloride	<u>1280</u>	<u>36</u>

Calcium	<u>30</u>	<u>1.4</u>	Bicarbonate	<u>635</u>	<u>10</u>
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Magnesium	<u>9.8</u>	<u>0.8</u>	Sulfate	<u>5345</u>	<u>108</u>
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Iron	<u>Present</u>	Carbonate	<u>0</u>	<u>0</u>
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H ₂ S	<u>Absent</u>	Hydroxide	<u>0</u>	<u>0</u>
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cc: D.C. Adams
R.A. Ullrich
W.D. Dawson
J.E. Ashworth
J.W. McCarthy
A.M. Smith
W.B. Shropshire
File
J.H. Peace

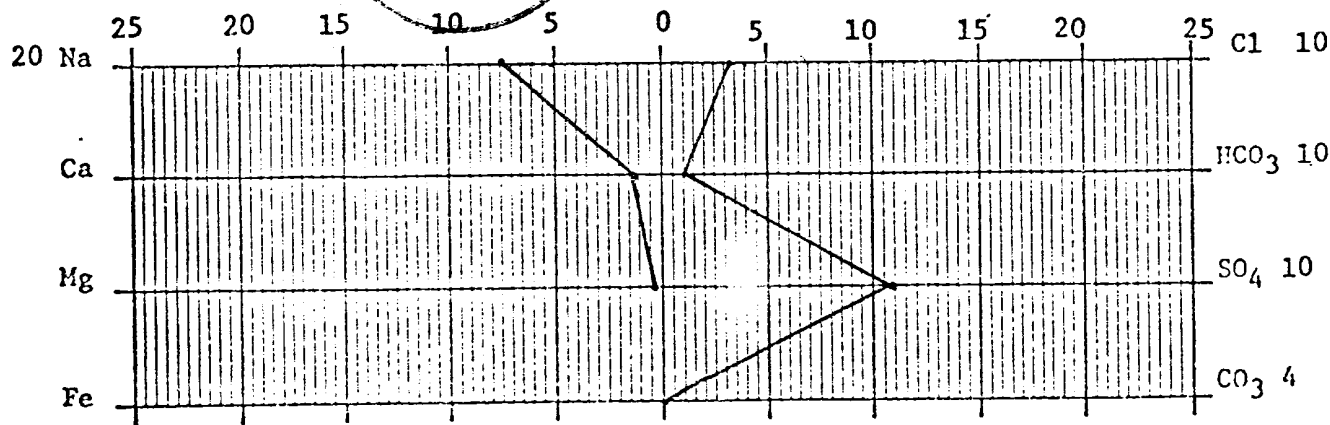
Total Solids Dissolved 11896

pH 8.2

Sp. Gr. 1.0116 at 60°F

Resistivity 68 ohm-cm at 74°F

John L. Hagen
Chemist



Scale: epm

100

5

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
--- FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9023 Date October 6, 1977

Operator EPNG Well Name S.J. 28-5 #52

Location 633-28-5 County Rio Arriba State N.M.

Field Blanco Formation MV

Sampled From Blowing Tbg.

Date Sampled 10-4-77 By Mike McKinney

Tbg. Press. _____ Csg. Press. _____ Surface Csg. Press. _____

ppm	epm	ppm	epm
Sodium <u>4070</u>	<u>177</u>	Chloride <u>1150</u>	<u>32</u>

Calcium <u>67</u>	<u>3</u>	Bicarbonate <u>853</u>	<u>14</u>
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Magnesium <u>20</u>	<u>2</u>	Sulfate <u>6520</u>	<u>136</u>
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Iron <u>Present</u>		Carbonate <u>0</u>	<u>0</u>
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H ₂ S <u>Absent</u>		Hydroxide <u>0</u>	<u>0</u>
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cc: D.C. Adams
R.A. Ullrich
W.D. Dawson
J.E. Ashworth
J.W. McCarthy
A.M. Smith
W.B. Shropshire
File
J.H. Peace

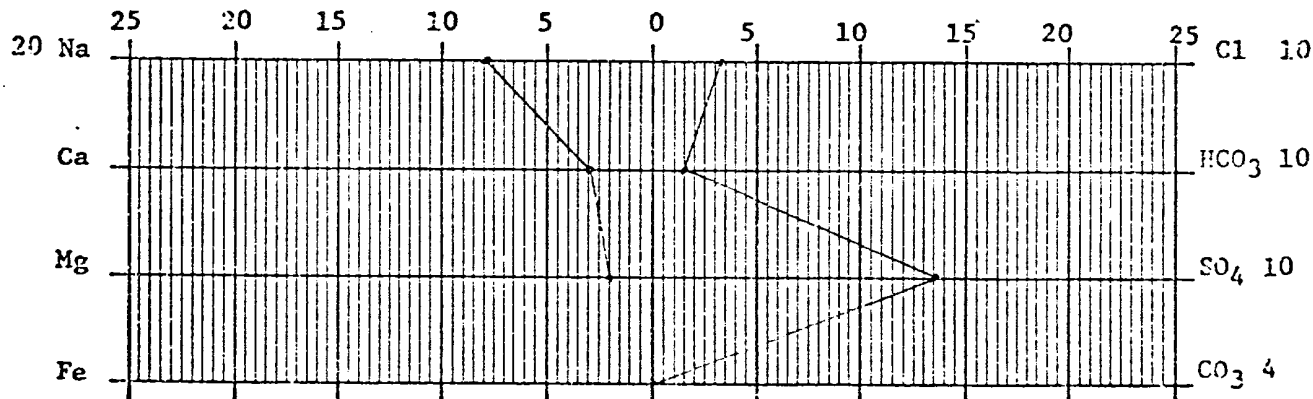
Total Solids Dissolved 11920

pH 8.1 NL

Sp. Gr. 1.0120 at 60°F

Resistivity 74 ohm-cm at 72 °F

R.L. Ellsburg
Chemist



Scale: epm

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

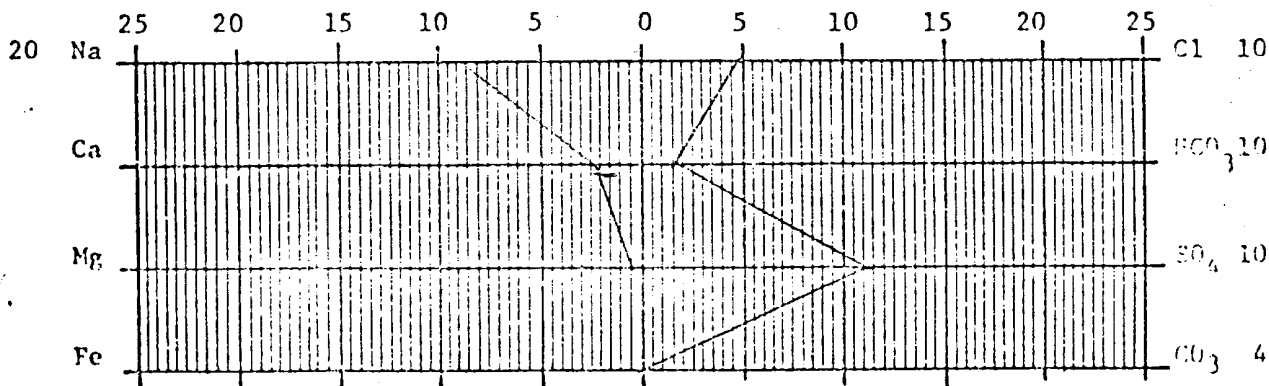
Analysis No. 1-8320 Date 9/20/76
Operator El Paso Natural Gas Well Name San Juan 28-5 Unit No. 52
Location G 33-28-5 County Rio Arriba State New Mexico
Field Blanco Formation Mesa Verde
Sampled From Blowing Tubing
Date Sampled Sept. 16, 1976 by Mike McKinney
Tubing Pressure 565 Casing Pressure 565 Surface casing pressure

	ppm	epm		ppm	epm
Sodium	<u>3960</u>	<u>172</u>	Chloride	<u>1660</u>	<u>47</u>
Calcium	<u>46</u>	<u>2.3</u>	Bicarbonate	<u>952</u>	<u>16</u>
Magnesium	<u>6.9</u>	<u>0.5</u>	Sulfate	<u>5370</u>	<u>112</u>
Iron	<u>Present</u>	<u> </u>	Carbonate	<u>0</u>	<u>0</u>
H ₂ S	<u>Absent</u>	<u> </u>	Hydroxide	<u>0</u>	<u>0</u>

cc: R L Ahrens
Art Smith
J. W. McCarthy
R. A. Ullrich
D. C. Adams
J. E. Ashworth
file

Total Solids 11926
Dissolved
pH 7.8
Sp. Gr. 1.0132 at 60°F
Resistivity 78 ohm-cm at 70 °F

John R. Hagan
CHEMIST



Scale: epm