Lynx Petroleum Consultants, Inc.
P.O. Box 1708
3325 Enterprise Drive
Hobbs, New Mexico 88241
505 392-6950 Fax: 505 392-7886

30-015-35194

November 1, 2007

Bryan Arrant
NMOCD
1301 W. Grand Ave.
Artesia, NM 88210

Re: Eddy BD State No. 2

Dear Mr. Arrant:

Please find enclosed the water analysis reports on the reef section and a full suite of open-hole logs for the referenced well. We apologize for the delay in submitting this information.

Sincerely,

LYNX PETROLEUM CONSULTANTS, INC.

Larry R. Scott

Larry R. Scott

LRS/ad

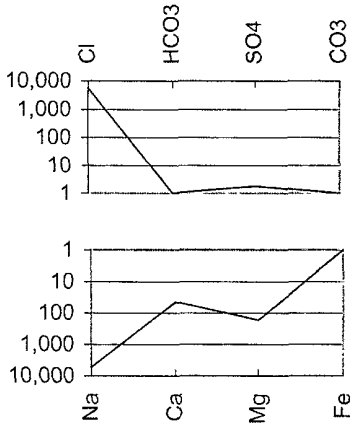
enc

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: Base Line Start @ 1583 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	7				
2. Specific Gravity @ 60/60 F.	1.205				
3. CaCO3 Saturation Index @ 80 F.	+1.194	'Calcium Carbonate Scale Possible'			
@ 140 F.	+2.334	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	80	PPM			
6. Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7 Calcium (Ca++)	900	/ 20.1	=	44.78	
8. Magnesium (Mg++)	2,066	/ 12.2	=	169.30	
9. Sodium (Na+) Calculated	122,773	/ 23.0	=	5,337.94	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	59	/ 61.1	=	0.96	
14. Sulfate (SO4=)	86	/ 48.8	=	1.76	
15. Chloride (Cl-)	197,000	/ 35.5	=	5,549.30	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	322,883				
18. Total Hardness As CaCO3	10,750				
Calcium Sulfate Solubility @ 90 F.	4,855				
20. Resistivity (Measured)	0.027	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

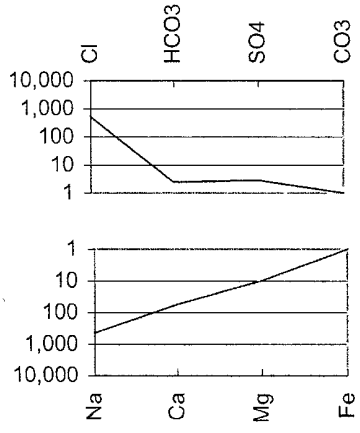
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	0.96	=	78
CaSO4	68.07	X	1.76	=	120
CaCl2	55.50	X	42.06	=	2,334
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	169.30	=	8,062
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	5,337.94	=	312,056

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 1600 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	10				
2. Specific Gravity @ 60/60 F.	1.025				
3 CaCO3 Saturation Index @ 80 F.	+2.584	'Calcium Carbonate Scale Possible'			
@ 140 F.	+3.514	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	80	PPM			
6 Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7. Calcium (Ca++)	1,100	/ 20.1	=	54.73	
8. Magnesium (Mg++)	122	/ 12.2	=	9.96	
9. Sodium (Na+) Calculated	10,298	/ 23.0	=	447.74	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	151	/ 61.1	=	2.48	
14. Sulfate (SO4=)	142	/ 48.8	=	2.91	
15 Chloride (Cl-)	18,000	/ 35.5	=	507.04	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	29,813				
18. Total Hardness As CaCO3	3,250				
Calcium Sulfate Solubility @ 90 F.	3,004				
20. Resistivity (Measured)	0.210	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

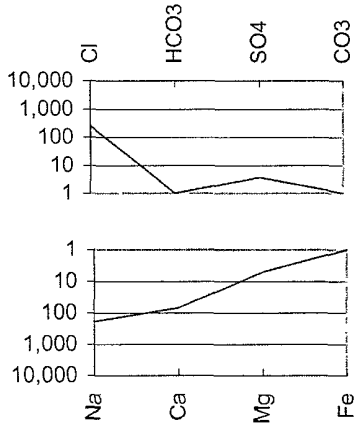
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	2.48	=	201
CaSO4	68 07	X	2.91	=	198
CaCl2	55.50	X	49.34	=	2,738
Mg(HCO3)2	73 17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	9.96	=	474
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	447.74	=	26,175

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 1700 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	8.2				
2.	Specific Gravity @ 60/60 F.	1.015				
3.	CaCO3 Saturation Index @ 80 F.	+0.786	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+1.656	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	1,400	/ 20.1	=	69.65	
8.	Magnesium (Mg++)	61	/ 12.2	=	4.98	
9.	Sodium (Na+) Calculated	4,221	/ 23.0	=	183.54	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17 0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	59	/ 61.1	=	0.96	
14.	Sulfate (SO4=)	180	/ 48.8	=	3.69	
15.	Chloride (Cl-)	9,000	/ 35.5	=	253.52	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	14,921				
18	Total Hardness As CaCO3	3,750				
	Calcium Sulfate Solubility @ 90 F.	1,803				
20.	Resistivity (Measured)	0.310	Ohm/Meters	@ 84	Degrees (F)	

Loganthmic Water Pattern



PROBABLE MINERAL COMPOSITION

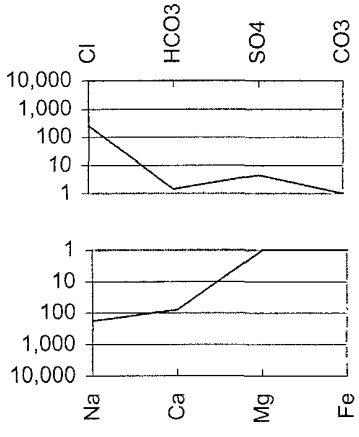
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	0.96	=	78
CaSO4	68.07	X	3.69	=	251
CaCl2	55.50	X	65.00	=	3,608
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	4.98	=	237
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	183.54	=	10,730

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 1800	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	6.8				
2. Specific Gravity @ 60/60 F.	1.020				
3. CaCO3 Saturation Index @ 80 F.	-0.440				
@ 140 F.	+0 430	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	10	PPM			
6. Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7. Calcium (Ca++)	1,600	/ 20.1	=	79.60	
8. Magnesium (Mg++)	0	/ 12.2	=	0.00	
9. Sodium (Na+) Calculated	4,137	/ 23.0	=	179.86	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	88	/ 61.1	=	1.44	
14. Sulfate (SO4=)	220	/ 48.8	=	4.51	
15. Chloride (Cl-)	9,000	/ 35.5	=	253.52	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	15,045				
18. Total Hardness As CaCO3	4,000				
Calcium Sulfate Solubility @ 90 F.	1,873				
20. Resistivity (Measured)	0.310	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

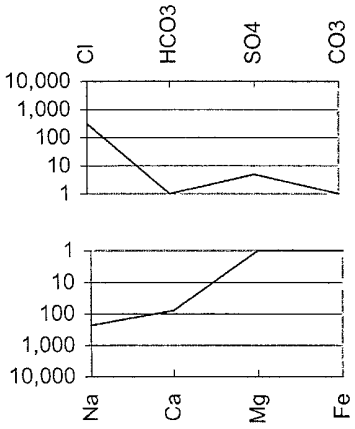
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	1.44	=	117
CaSO4	68.07	X	4.51	=	307
CaCl2	55.50	X	73.66	=	4,088
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	0.00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	179.86	=	10,515

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 1900 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.3				
2.	Specific Gravity @ 60/60 F.	1.020				
3.	CaCO3 Saturation Index @ 80 F.	-1.213				
	@ 140 F.	-0.363				
	Dissolved Gasses					
4	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	1,600	/ 20.1	=	79.60	
8.	Magnesium (Mg++)	0	/ 12.2	=	0.00	
9.	Sodium (Na+) Calculated	5,429	/ 23 0	=	236.05	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	54	/ 61.1	=	0.88	
14.	Sulfate (SO4=)	240	/ 48.8	=	4.92	
15.	Chloride (Cl-)	11,000	/ 35.5	=	309.86	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17	Total Dissolved Solids	18,323				
18.	Total Hardness As CaCO3	4,000				
	Calcium Sulfate Solubility @ 90 F.	2,063				
20.	Resistivity (Measured)	0.300	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

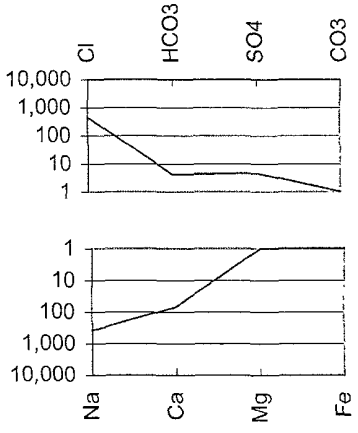
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	0.88	=	71
CaSO4	68.07	X	4.92	=	335
CaCl2	55.50	X	73.81	=	4,096
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	0.00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	236.05	=	13,800

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2000 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	7				
2.	Specific Gravity @ 60/60 F.	1.050				
3.	CaCO3 Saturation Index @ 80 F.	-0.009				
	@ 140 F.	+0.901	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	1,400	/ 20.1	=	69.65	
8.	Magnesium (Mg++)	0	/ 12.2	=	0.00	
9.	Sodium (Na+) Calculated	8,969	/ 23.0	=	389.96	
10	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	259	/ 61.1	=	4.23	
14	Sulfate (SO4=)	228	/ 48.8	=	4.67	
15.	Chloride (Cl-)	16,000	/ 35 5	=	450.70	
	Other					
16	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	26,856				
18.	Total Hardness As CaCO3	3,500				
	Calcium Sulfate Solubility @ 90 F.	2,575				
20.	Resistivity (Measured)	0.220	*Ohm/Meters*	*@ 84*	*Degrees (F)*	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

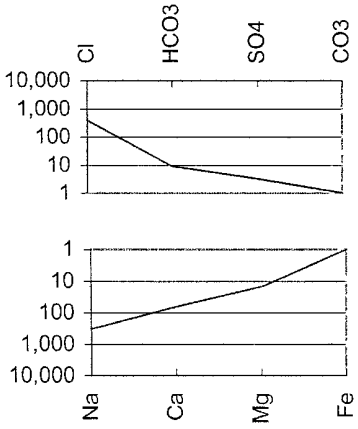
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	4.23	=	343
CaSO4	68.07	X	4.67	=	318
CaCl2	55.50	X	60.75	=	3,371
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	0.00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	389.96	=	22,797

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2100 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	10				
2.	Specific Gravity @ 60/60 F.	1.025				
3	CaCO3 Saturation Index @ 80 F.	+3.332	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+4.232	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq Wt.	=	MEQ/L	
7.	Calcium (Ca++)	1,300	/ 20 1	=	64.68	
8.	Magnesium (Mg++)	182	/ 12.2	=	14.94	
9.	Sodium (Na+) Calculated	7,524	/ 23.0	=	327.13	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	556	/ 61.1	=	9.11	
14.	Sulfate (SO4=)	160	/ 48.8	=	3.28	
15.	Chloride (Cl-)	14,000	/ 35.5	=	394.37	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	23,723				
18.	Total Hardness As CaCO3	4,000				
	Calcium Sulfate Solubility @ 90 F.	2,469				
20.	Resistivity (Measured)	0.280	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

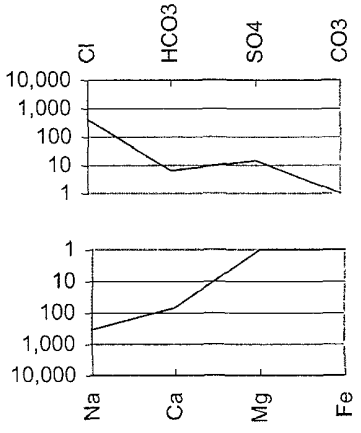
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	9.11	=	738
CaSO4	68.07	X	3.28	=	223
CaCl2	55.50	X	52.29	=	2,902
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	14.94	=	711
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	327.13	=	19,124

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2200 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	10				
2. Specific Gravity @ 60/60 F	1.025				
3. CaCO3 Saturation Index @ 80 F.	+3.210	'Calcium Carbonate Scale Possible'			
@ 140 F.	+4.110	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	10	PPM			
6. Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt	=	MEQ/L	
7. Calcium (Ca++)	1,400	/ 20.1	=	69 65	
8. Magnesium (Mg++)	0	/ 12.2	=	0.00	
9. Sodium (Na+) Calculated	7,945	/ 23.0	=	345.45	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	390	/ 61.1	=	6.39	
14 Sulfate (SO4=)	700	/ 48.8	=	14.34	
15. Chloride (Cl-)	14,000	/ 35.5	=	394.37	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	24,436				
18. Total Hardness As CaCO3	3,500				
Calcium Sulfate Solubility @ 90 F.	2,764				
20. Resistivity (Measured)	0.280	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

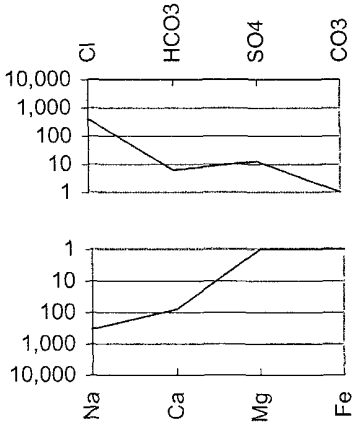
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	6.39	=	518
CaSO4	68.07	X	14.34	=	976
CaCl2	55.50	X	48.92	=	2,715
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	0 00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	345.45	=	20,195

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2300 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	10				
2 Specific Gravity @ 60/60 F.	1.025				
3. CaCO3 Saturation Index @ 80 F.	+3.206	'Calcium Carbonate Scale Possible'			
@ 140 F.	+4.116	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	0	PPM			
6. Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7. Calcium (Ca++)	1,600	/ 20.1	=	79.60	
8. Magnesium (Mg++)	0	/ 12.2	=	0.00	
9. Sodium (Na+) Calculated	7,662	/ 23.0	=	333.13	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30 0	=	0.00	
13. Bicarbonate (HCO3-)	371	/ 61.1	=	6.07	
14. Sulfate (SO4=)	600	/ 48.8	=	12.30	
15. Chloride (Cl-)	14,000	/ 35.5	=	394.37	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	24,233				
18. Total Hardness As CaCO3	4,000				
Calcium Sulfate Solubility @ 90 F.	2,534				
20. Resistivity (Measured)	0.280	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

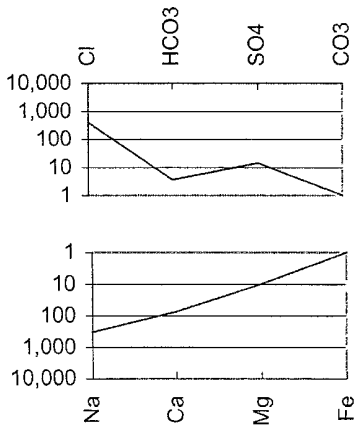
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	6 07	=	492
CaSO4	68.07	X	12.30	=	837
CaCl2	55.50	X	61.24	=	3,399
Mg(HCO3)2	73 17	X	0.00	=	0
MgSO4	60 19	X	0.00	=	0
MgCl2	47.62	X	0.00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	333 13	=	19,475

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2400 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	10				
2. Specific Gravity @ 60/60 F.	1.025				
3. CaCO3 Saturation Index @ 80 F.	+2.950	'Calcium Carbonate Scale Possible'			
@ 140 F.	+3.860	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	0	PPM			
6. Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq Wt.	=	MEQ/L	
7. Calcium (Ca++)	1,500	/ 20.1	=	74.63	
8. Magnesium (Mg++)	122	/ 12.2	=	9.96	
9. Sodium (Na+) Calculated	7,538	/ 23.0	=	327.72	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	220	/ 61.1	=	3.59	
14. Sulfate (SO4=)	700	/ 48.8	=	14.34	
15. Chloride (Cl-)	14,000	/ 35.5	=	394.37	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	24,079				
18. Total Hardness As CaCO3	4,250				
Calcium Sulfate Solubility @ 90 F.	2,665				
20. Resistivity (Measured)	0.280	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

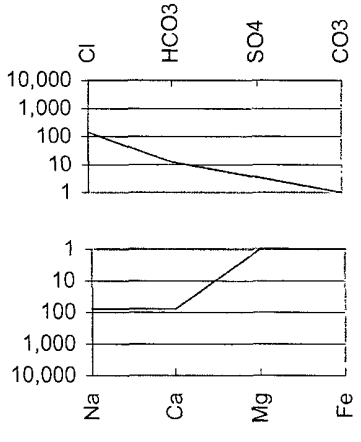
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	3.59	=	291
CaSO4	68.07	X	14.34	=	976
CaCl2	55.50	X	56.69	=	3,146
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	9.96	=	474
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	327.72	=	19,158

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2500 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	10				
2.	Specific Gravity @ 60/60 F.	1.015				
3.	CaCO3 Saturation Index @ 80 F.	+3.893	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+4.753	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/	Eq. Wt.	=	MEQ/L
7.	Calcium (Ca++)	1,600	/	20.1	=	79.60
8.	Magnesium (Mg++)	0	/	12.2	=	0.00
9.	Sodium (Na+) Calculated	1,772	/	23.0	=	77.03
10.	Barium (Ba++)	Not Determined	/	68.7	=	0.00
	Anions					
11.	Hydroxyl (OH-)	0	/	17.0	=	0.00
12.	Carbonate (CO3=)	0	/	30.0	=	0.00
13.	Bicarbonate (HCO3-)	752	/	61.1	=	12.30
14.	Sulfate (SO4=)	170	/	48.8	=	3.48
15.	Chloride (Cl-)	5,000	/	35.5	=	140.85
	Other					
16.	Soluble Iron (Fe)	0	/	18.2	=	0.00
17.	Total Dissolved Solids	9,293				
18.	Total Hardness As CaCO3	4,000				
	Calcium Sulfate Solubility @ 90 F.	1,220				
20.	Resistivity (Measured)	0.300	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

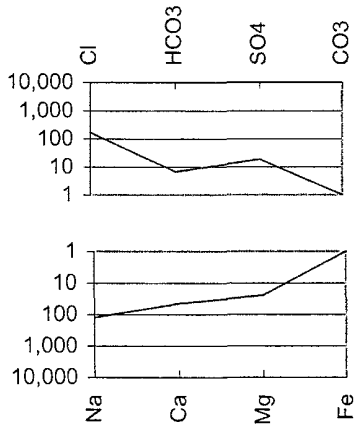
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	12.30	=	997
CaSO4	68.07	X	3.48	=	237
CaCl2	55.50	X	63.82	=	3,542
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60 19	X	0.00	=	0
MgCl2	47.62	X	0 00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	77.03	=	4,503

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2600 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	8.4				
2.	Specific Gravity @ 60/60 F.	1.025				
3.	CaCO3 Saturation Index @ 80 F.	+1.720	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+2.570	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	900	/ 20.1	=	44.78	
8.	Magnesium (Mg++)	304	/ 12 2	=	24.90	
9.	Sodium (Na+) Calculated	2,863	/ 23.0	=	124.49	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	410	/ 61.1	=	6.71	
14.	Sulfate (SO4=)	900	/ 48.8	=	18.44	
15.	Chloride (Cl-)	6,000	/ 35.5	=	169.01	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	11,377				
18.	Total Hardness As CaCO3	3,500				
	Calcium Sulfate Solubility @ 90 F.	2,336				
20.	Resistivity (Measured)	0.340	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

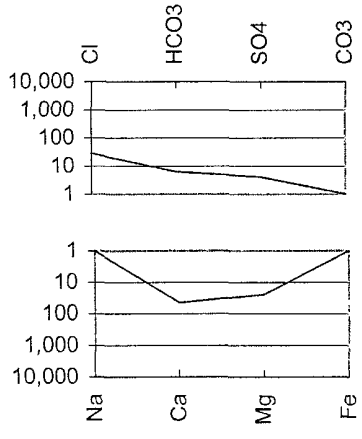
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	6.71	=	544
CaSO4	68.07	X	18.44	=	1,255
CaCl2	55.50	X	19.62	=	1,089
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	24.90	=	1,186
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58 46	X	124.49	=	7,278

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2700 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	10				
2.	Specific Gravity @ 60/60 F.	1.009				
3.	CaCO3 Saturation Index @ 80 F.	+3.747	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+4.447	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7	Calcium (Ca++)	900	/ 20.1	=	44.78	
8.	Magnesium (Mg++)	304	/ 12.2	=	24.90	
9	Sodium (Na+) Calculated	-717	/ 23.0	=	-31.18	
10	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	381	/ 61.1	=	6.23	
14.	Sulfate (SO4=)	200	/ 48.8	=	4.10	
15.	Chloride (Cl-)	1,000	/ 35.5	=	28.17	
	Other					
16	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	2,067				
18	Total Hardness As CaCO3	3,500				
	Calcium Sulfate Solubility @ 90 F.	1,080				
20.	Resistivity (Measured)	1.400	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

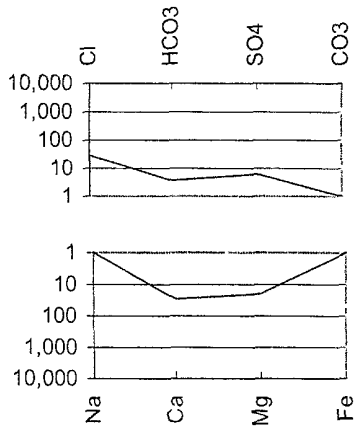
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	6.23	=	505
CaSO4	68.07	X	4 10	=	279
CaCl2	55.50	X	34.45	=	1,912
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60 19	X	0.00	=	0
MgCl2	47.62	X	24.90	=	1,186
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-31.18	=	-1,823

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2800 Ft.	Capitan Rep	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6 5				
2.	Specific Gravity @ 60/60 F.	1.008				
3.	CaCO3 Saturation Index @ 80 F.	-0.168				
	@ 140 F.	+0.532	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	20	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	600	/ 20.1	=	29.85	
8.	Magnesium (Mg++)	243	/ 12.2	=	19.92	
9	Sodium (Na+) Calculated	-273	/ 23 0	=	-11.86	
10	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	220	/ 61.1	=	3.59	
14.	Sulfate (SO4=)	300	/ 48.8	=	6.15	
15.	Chloride (Cl-)	1,000	/ 35.5	=	28.17	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17	Total Dissolved Solids	2,090				
18.	Total Hardness As CaCO3	2,500				
	Calcium Sulfate Solubility @ 90 F.	1,388				
20.	Resistivity (Measured)	1.800	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

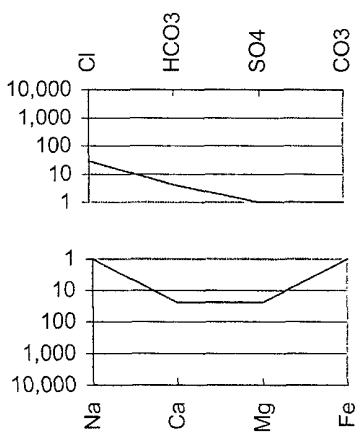
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	3.59	=	291
CaSO4	68 07	X	6.15	=	418
CaCl2	55.50	X	20.11	=	1,116
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	19.92	=	948
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-11.86	=	-693

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 2900 Ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.5				
2	Specific Gravity @ 60/60 F.	1.008				
3.	CaCO3 Saturation Index @ 80 F.	-0.176				
	@ 140 F.	+0.524	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	20	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	500	/ 20.1	=	24.88	
8.	Magnesium (Mg++)	304	/ 12.2	=	24.90	
9	Sodium (Na+) Calculated	-400	/ 23.0	=	-17.37	
10.	Barium (Ba++)	Not Determined	/ 68 7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	259	/ 61.1	=	4.23	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	1,000	/ 35.5	=	28.17	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	1,663				
18.	Total Hardness As CaCO3	2,500				
	Calcium Sulfate Solubility @ 90 F.	1,361				
20.	Resistivity (Measured)	1 870	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

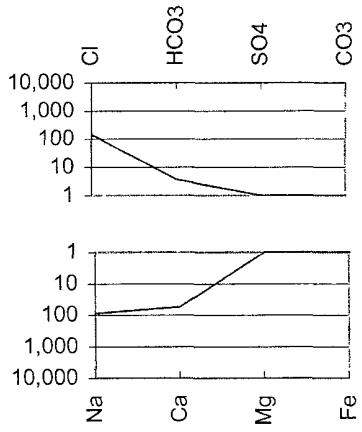
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	4.23	=	343
CaSO4	68 07	X	0.00	=	0
CaCl2	55.50	X	20.64	=	1,146
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	24.90	=	1,186
NaHCO3	84 00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-17.37	=	-1,016

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3000 ft.	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	7.3				
2.	Specific Gravity @ 60/60 F.	1.006				
3.	CaCO3 Saturation Index @ 80 F.	+0.905	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+1.605	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	1,100	/ 20.1	=	54.73	
8.	Magnesium (Mg++)	0	/ 12.2	=	0.00	
9.	Sodium (Na+) Calculated	2,065	/ 23.0	=	89.79	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	224	/ 61.1	=	3.67	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	5,000	/ 35.5	=	140.85	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	8,390				
18	Total Hardness As CaCO3	2,750				
	Calcium Sulfate Solubility @ 90 F.	1,496				
20.	Resistivity (Measured)	1 730	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

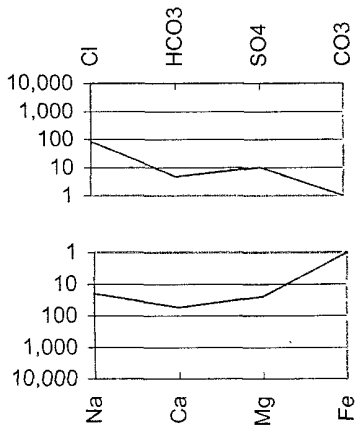
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	3.67	=	298
CaSO4	68 07	X	0.00	=	0
CaCl2	55.50	X	51.05	=	2,833
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	0 00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	89.79	=	5,249

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3100	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	9				
2.	Specific Gravity @ 60/60 F.	1.010				
3	CaCO3 Saturation Index @ 80 F.	+2.721	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+3.421	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	1,100	/ 20.1	=	54.73	
8.	Magnesium (Mg++)	304	/ 12.2	=	24.90	
9.	Sodium (Na+) Calculated	458	/ 23.0	=	19.92	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	293	/ 61.1	=	4.79	
14.	Sulfate (SO4=)	500	/ 48.8	=	10.25	
15	Chloride (Cl-)	3,000	/ 35.5	=	84.51	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	5,655				
18.	Total Hardness As CaCO3	4,000				
	Calcium Sulfate Solubility @ 90 F.	1,371				
20.	Resistivity (Measured)	1.650	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

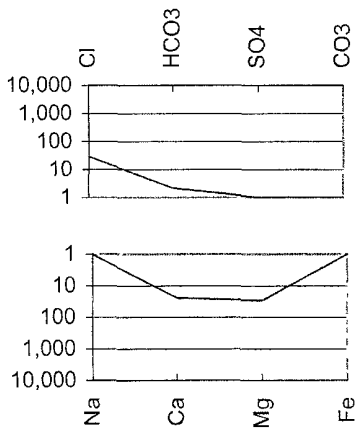
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	4.79	=	388
CaSO4	68.07	X	10.25	=	697
CaCl2	55.50	X	39.69	=	2,203
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	24.90	=	1,186
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	19.92	=	1,165

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3200	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	7				
2.	Specific Gravity @ 60/60 F.	0.993				
3.	CaCO3 Saturation Index @ 80 F.	+0.031	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+0.731	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	500	/ 20.1	=	24.88	
8.	Magnesium (Mg++)	365	/ 12.2	=	29.88	
9.	Sodium (Na+) Calculated	-562	/ 23.0	=	-24.43	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	132	/ 61.1	=	2.16	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	1,000	/ 35.5	=	28.17	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	1,434				
18.	Total Hardness As CaCO3	2,750				
	Calcium Sulfate Solubility @ 90 F.	1,361				
20.	*Resistivity (Measured)*	2.200	*Ohm/Meters*	@ 84	*Degrees (F)*	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

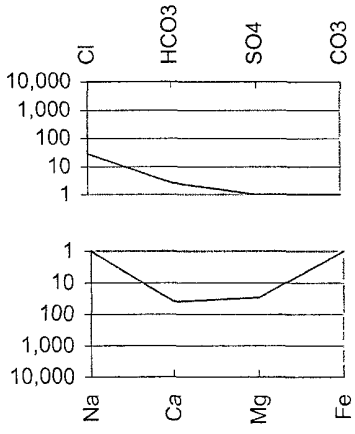
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	2.16	=	175
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	22.72	=	1,261
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	29.88	=	1,423
NaHCO3	84.00	X	0 00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-24.43	=	-1,428

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3300	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.5				
2.	Specific Gravity @ 60/60 F.	1.007				
3.	CaCO3 Saturation Index @ 80 F.	-0.164				
	@ 140 F.	+0.536	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	800	/ 20.1	=	39.80	
8	Magnesium (Mg++)	365	/ 12.2	=	29.88	
9.	Sodium (Na+) Calculated	-892	/ 23.0	=	-38.79	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	166	/ 61.1	=	2.72	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	1,000	/ 35.5	=	28.17	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0 00	
17.	Total Dissolved Solids	1,438				
18.	Total Hardness As CaCO3	3,500				
	Calcium Sulfate Solubility @ 90 F.	1,093				
20	Resistivity (Measured)	2.175	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

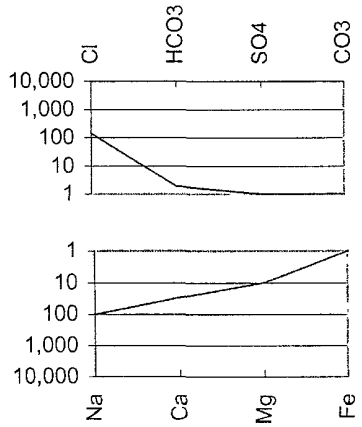
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	2.72	=	220
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	37.09	=	2,058
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	29.88	=	1,423
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-38.79	=	-2,268

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3400	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.4				
2.	Specific Gravity @ 60/60 F.	1.007				
3.	CaCO3 Saturation Index @ 80 F.	-0.541				
	@ 140 F.	+0.159	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	600	/ 20.1	=	29.85	
8	Magnesium (Mg++)	122	/ 12.2	=	9.96	
9.	Sodium (Na+) Calculated	2,368	/ 23.0	=	102.95	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	117	/ 61.1	=	1.92	
14	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	5,000	/ 35.5	=	140.85	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	8,207				
18.	Total Hardness As CaCO3	2,000				
	Calcium Sulfate Solubility @ 90 F.	1,959				
20.	Resistivity (Measured)	2.400	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

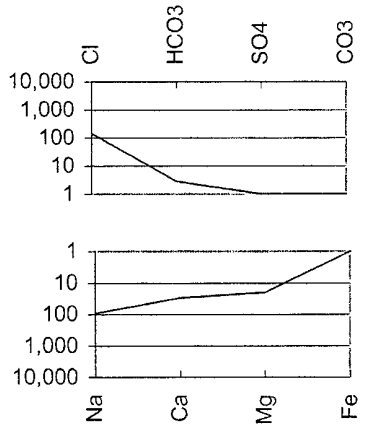
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	1.92	=	155
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	27.93	=	1,550
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	9.96	=	474
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	102.95	=	6,019

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3500	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	7				
2.	Specific Gravity @ 60/60 F.	1.006				
3.	CaCO3 Saturation Index @ 80 F.	+0.223	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+0.923	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	0	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	600	/ 20.1	=	29.85	
8.	Magnesium (Mg++)	243	/ 12.2	=	19.92	
9.	Sodium (Na+) Calculated	2,159	/ 23.0	=	93.87	
10	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	171	/ 61.1	=	2.80	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	5,000	/ 35.5	=	140.85	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	8,173				
18.	Total Hardness As CaCO3	2,500				
	Calcium Sulfate Solubility @ 90 F.	1,959				
20.	Resistivity (Measured)	2.000	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

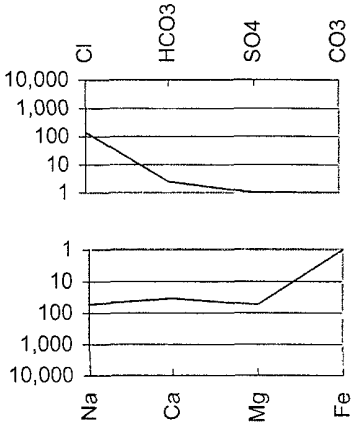
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	2.80	=	227
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	27.06	=	1,502
Mg(HCO3)2	73 17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	19.92	=	948
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	93.87	=	5,488

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3600	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.8				
2	Specific Gravity @ 60/60 F.	1.009				
3	CaCO3 Saturation Index @ 80 F.	-0.363				
	@ 140 F.	+0 497	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	700	/ 20.1	=	34.83	
8.	Magnesium (Mg++)	668	/ 12.2	=	54.77	
9.	Sodium (Na+) Calculated	1,236	/ 23.0	=	53.72	
10	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	151	/ 61.1	=	2.48	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	5,000	/ 35.5	=	140.85	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	7,755				
18.	Total Hardness As CaCO3	4,500				
	Calcium Sulfate Solubility @ 90 F.	1,852				
20.	Resistivity (Measured)	1.800	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

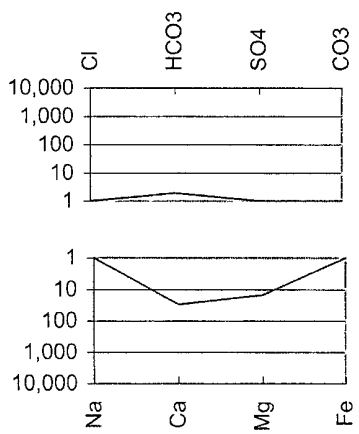
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	2.48	=	201
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	32.35	=	1,795
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	54.77	=	2,608
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0 00	=	0
NaCl	58 46	X	53.72	=	3,141

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3700	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.5				
2.	Specific Gravity @ 60/60 F.	1.006				
3.	CaCO3 Saturation Index @ 80 F.	-0.441				
	@ 140 F.	+0.259	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	600	/ 20 1	=	29.85	
8.	Magnesium (Mg++)	182	/ 12.2	=	14.94	
9.	Sodium (Na+) Calculated	-986	/ 23.0	=	-42.87	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13	Bicarbonate (HCO3-)	117	/ 61 1	=	1.92	
14.	Sulfate (SO4=)	0	/ 48 8	=	0.00	
15.	Chloride (Cl-)	0	/ 35.5	=	0.00	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	-87				
18.	Total Hardness As CaCO3	2,250				
	Calcium Sulfate Solubility @ 90 F.	807				
20.	Resistivity (Measured)	2 100	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

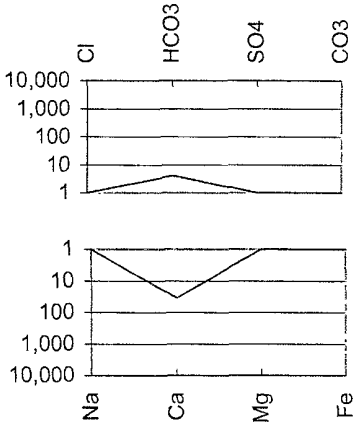
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	1.92	=	155
CaSO4	68 07	X	0 00	=	0
CaCl2	55.50	X	27.93	=	1,550
Mg(HCO3)2	73 17	X	0 00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	14.94	=	711
NaHCO3	84 00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-42.87	=	-2,506

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3800	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	6.5				
2.	Specific Gravity @ 60/60 F.	1.005				
3.	CaCO3 Saturation Index @ 80 F.	-0.046				
	@ 140 F.	+0.654	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	700	/ 20.1	=	34.83	
8.	Magnesium (Mg++)	0	/ 12.2	=	0.00	
9.	Sodium (Na+) Calculated	-707	/ 23.0	=	-30.75	
10.	Barium (Ba++)	Not Determined	/ 68 7	=	0.00	
	Anions					
11.	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	249	/ 61.1	=	4.07	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15.	Chloride (Cl-)	0	/ 35.5	=	0.00	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17.	Total Dissolved Solids	242				
18.	Total Hardness As CaCO3	1,750				
	Calcium Sulfate Solubility @ 90 F.	737				
20.	Resistivity (Measured)	2.200	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

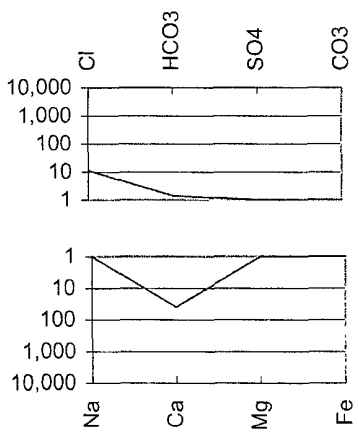
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	4.07	=	330
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	30.75	=	1,707
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60 19	X	0.00	=	0
MgCl2	47.62	X	0.00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-30.75	=	-1,798

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 3900	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	7.5				
2. Specific Gravity @ 60/60 F.	1.005				
3. CaCO3 Saturation Index @ 80 F.	+0.559	'Calcium Carbonate Scale Possible'			
@ 140 F.	+1.259	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5. Carbon Dioxide	0	PPM			
6 Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7. Calcium (Ca++)	800	/ 20.1	=	39.80	
8. Magnesium (Mg++)	0	/ 12.2	=	0.00	
9. Sodium (Na+) Calculated	-623	/ 23 0	=	-27.10	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	88	/ 61.1	=	1.44	
14. Sulfate (SO4=)	0	/ 48 8	=	0.00	
15. Chloride (Cl-)	400	/ 35 5	=	11.27	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17. Total Dissolved Solids	665				
18. Total Hardness As CaCO3	2,000				
Calcium Sulfate Solubility @ 90 F.	676				
20. Resistivity (Measured)	1.850	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

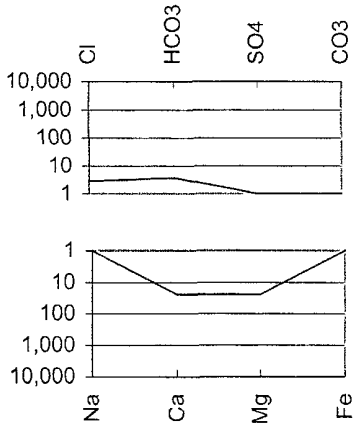
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	1.44	=	117
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	38.36	=	2,129
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	0.00	=	0
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-27.10	=	-1,584

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 4000	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

	ANALYSIS					
1.	pH	7				
2.	Specific Gravity @ 60/60 F.	1.006				
3	CaCO3 Saturation Index @ 80 F.	+0.263	'Calcium Carbonate Scale Possible'			
	@ 140 F.	+0.963	'Calcium Carbonate Scale Possible'			
	Dissolved Gasses					
4.	Hydrogen Sulfide	0	PPM			
5.	Carbon Dioxide	10	PPM			
6.	Dissolved Oxygen	Not Determined				
	Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7.	Calcium (Ca++)	500	/ 20.1	=	24.88	
8.	Magnesium (Mg++)	304	/ 12.2	=	24.90	
9.	Sodium (Na+) Calculated	-995	/ 23.0	=	-43.28	
10.	Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
	Anions					
11	Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12.	Carbonate (CO3=)	0	/ 30.0	=	0.00	
13.	Bicarbonate (HCO3-)	224	/ 61.1	=	3.67	
14.	Sulfate (SO4=)	0	/ 48.8	=	0.00	
15	Chloride (Cl-)	100	/ 35.5	=	2.82	
	Other					
16.	Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17	Total Dissolved Solids	133				
18.	Total Hardness As CaCO3	2,500				
	Calcium Sulfate Solubility @ 90 F.	888				
20.	Resistivity (Measured)	1.950	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

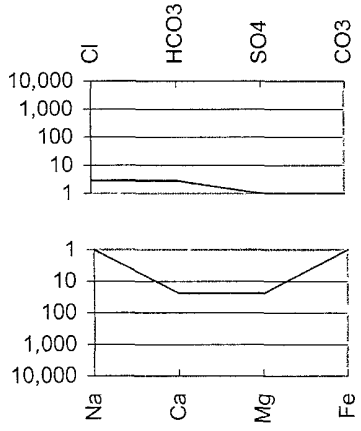
COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	3.67	=	298
CaSO4	68.07	X	0.00	=	0
CaCl2	55.50	X	21.20	=	1,177
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	24.90	=	1,186
NaHCO3	84.00	X	0.00	=	0
NaSO4	71 03	X	0.00	=	0
NaCl	58.46	X	-43.28	=	-2,530

CAPITAN CHEMICAL
WATER ANALYSIS REPORT

	Lynx Petroleum	Date Sampled	: 08/27/07
Lease Name	: 4065	Capitan Rep.	: Joe Hughes
Well Number	: Eddy BD #2	Company Rep.	: Larry Scott
Location	: Eddy County , New Mexico		

ANALYSIS					
1. pH	7				
2. Specific Gravity @ 60/60 F.	1.006				
3. CaCO3 Saturation Index @ 80 F.	+0.156	'Calcium Carbonate Scale Possible'			
@ 140 F.	+0.856	'Calcium Carbonate Scale Possible'			
Dissolved Gasses					
4. Hydrogen Sulfide	0	PPM			
5 Carbon Dioxide	10	PPM			
6. Dissolved Oxygen	Not Determined				
Cations	mg/L	/ Eq. Wt.	=	MEQ/L	
7. Calcium (Ca++)	500	/ 20.1	=	24.88	
8. Magnesium (Mg++)	304	/ 12.2	=	24.90	
9. Sodium (Na+) Calculated	-1,014	/ 23.0	=	-44.08	
10. Barium (Ba++)	Not Determined	/ 68.7	=	0.00	
Anions					
11. Hydroxyl (OH-)	0	/ 17.0	=	0.00	
12. Carbonate (CO3=)	0	/ 30.0	=	0.00	
13. Bicarbonate (HCO3-)	176	/ 61.1	=	2.88	
14. Sulfate (SO4=)	0	/ 48.8	=	0.00	
15. Chloride (Cl-)	100	/ 35.5	=	2.82	
Other					
16. Soluble Iron (Fe)	0	/ 18.2	=	0.00	
17 Total Dissolved Solids	66				
18. Total Hardness As CaCO3	2,500				
Calcium Sulfate Solubility @ 90 F.	888				
20. Resistivity (Measured)	1.950	Ohm/Meters	@ 84	Degrees (F)	

Logarithmic Water Pattern



PROBABLE MINERAL COMPOSITION

COMPOUND	Eq. Wt.	X	MEQ/L	=	mg/L
Ca(HCO3)2	81.04	X	2.88	=	233
CaSO4	68.07	X	0 00	=	0
CaCl2	55.50	X	22.00	=	1,221
Mg(HCO3)2	73.17	X	0.00	=	0
MgSO4	60.19	X	0.00	=	0
MgCl2	47.62	X	24.90	=	1,186
NaHCO3	84.00	X	0.00	=	0
NaSO4	71.03	X	0.00	=	0
NaCl	58.46	X	-44.08	=	-2,577