

Denne rapport
tilhører



L&U DOK. SENTER

L. NR. 30287290009

KODE Well 31/2-8 nr B

Returneres etter bruk

A/S NORSKE SHELL

WATER ANALYSIS

WELL: 31/2-8

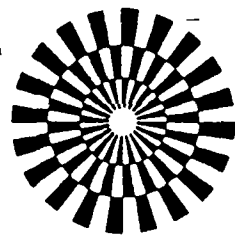


GECO
GEOPHYSICAL COMPANY
OF NORWAY A/S

A/S NORSKE SHELL

WATER ANALYSIS

WELL: 31/2-8



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A/S NORSKE SHELL

WATER ANALYSIS

WELL: 31/2-8

LABORATORY

FORMATION WATER ANALYSIS

Company A/S Norske Shell Date 13.09.82 Sample no. water sample

Well 31/2-8 Field State

Sampled from Calciumchloride Brine

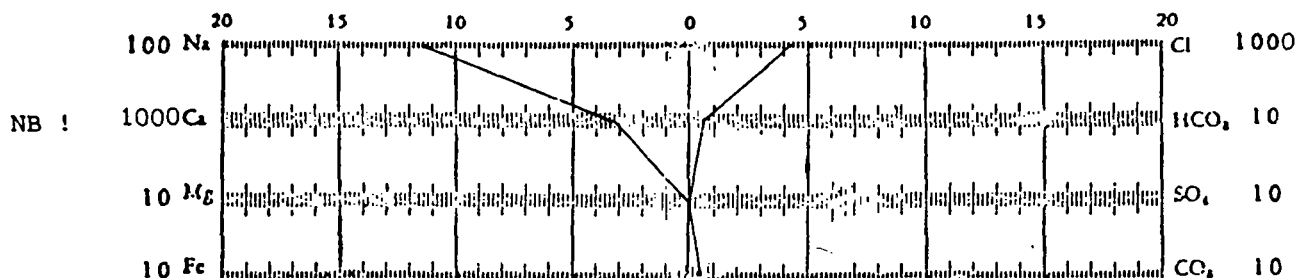
Date sampled 08.08.82 Date analyzed 07-08.09.82 Analyst T.S.

Total Dissolved Solids 245.360 mg/L Specific Gravity 1.185 (at 68 °F)

Resistivity 0.055 ohm-meters (at 68 °F) ph 9,90 (at 68 °F)

*Constituents	mg/L	meq/L	Constituents	mg/L	meq/L
Sodium	26.250	1142	Chloride	153.600	4.332
Calcium	63.400	3164	Bicarbonate	365	6
Magnesium	0.4		Sulfate	0	
Strontium	1.600	37	Carbonate	145	5
Barium	n.d.		Hydroxide	0	
Iron	6,5		Phosphate	-	

REMARKS: Resistivity at 40°C (= 104°F): 0.039 ohm-meters
and at 60°C (= 140°F): 0.029 ohm-meters



LABORATORY

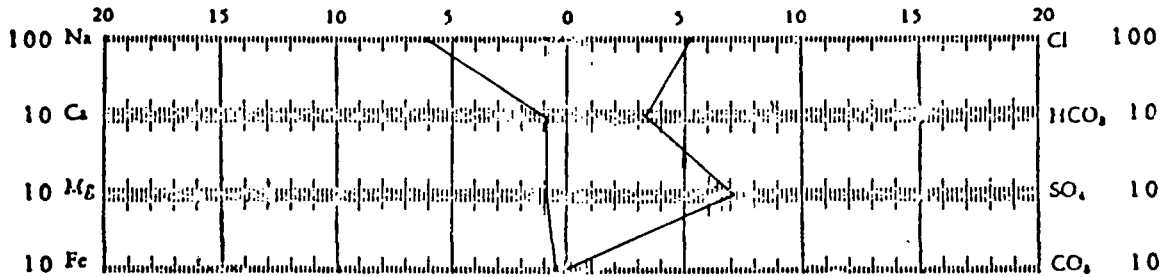
FORMATION WATER ANALYSIS

Company A/S Norske Shell Date 13.09.82 Sample no. Mud sample
 Well 31/2-8 Field _____ State _____
 Sampled from _____
 Date sampled 08.08.82 Date analyzed 07-08.09.82 Analyst T.S.

Total Dissolved Solids 38.700 mg/L Specific Gravity 1.028 (a 68 °F)
 Resistivity 0.215 ohm-meters (a 68 °F) ph 8.42 (a 68 °F)

*Constituents	mg/L	meq/L	Constituents	mg/L	meq/L
Sodium	14.070	612	Chloride	18.800	530
Calcium	190	9	Bicarbonate	2.000	33
Magnesium	105	9	Sulfate	3.400	71
Strontium	2		Carbonate	25	1
Barium	n.d.		Hydroxide	0	
Iron	130	5	Phosphate	-	

REMARKS: Resistivity at 40°C (= 104°F) 0.147 ohm-meters
 and at 60°C (= 140°F) 0.111 ohm-meters



LABORATORY

FORMATION WATER ANALYSIS

Company A/S Norske Shell Date 26.08.82 Sample no. 13, DST. 2
 Well 31/2-8 Field _____ State _____
 Sampled from Rev. circ.
 Date sampled 12.08.82 Date analyzed 24.08.82 Analyst T.S.

Total Dissolved Solids 49.180 mg/L Specific Gravity 1.034 (at 68 °F)
 Resistivity 0.159 ohm-meters (at 68 °F) pH 7.68 (at 68 °F)

*Constituents	mg/L	meq/L	Constituents	mg/L	meq/L
Sodium	15.900	692	Chloride	29.420	830
Calcium	2.400	120	Bicarbonate	790	13
Magnesium	320	26	Sulfate	70	1
Strontium	270	6	Carbonate	0	
Barium	7		Hydroxide	0	
Iron	0.5		Phosphate	-	

REMARKS: Resistivity at 40°C (= 104°F) 0.108 ohm-meters
 and at 60°C (= 140°F) 0.078 ohm-meters

