

Res. Well File 7/11-7

GECO



GEOPHYSICAL COMPANY OF NORWAY A-S

A subsidiary of Det norske Veritas and A-S Kongsberg Våpenfabrikk

Phillips Petroleum Company Norway
P.O. Box 69
4001 STAVANGER

Attn.: Mr. Greg Gersib

Stavanger, 22.08.83
212/AÆ-lab/TL/gk

Re.: Calcinity on 6 samples from well 7/11-7

Dear Sir,

We have determined the weight percent of insolubles, dolomite and calcite relative to total weight of 6 samples that you sent us.

The results follow below.

Sample no.	Depth (ft.)	Insolubles (%)	Dolomite (%)	Calcite (%)	Total (%)	$\frac{\text{CaMg}(\text{CO}_3)_2}{\text{Ca CO}_3}$ (%)
	14250	42.4	5.2	51.5	99.1	10.1
46	14200	54.0	3.7	35.8	93.5	10.3
47	14100	24.1	3.5	73.8	101.4	4.74
48	13921	23.9	2.6	55.3	81.8	4.70
49	13617	33.4	1.2	65.9	100.5	1.82
50	12750	27.6	3.0	70.0	100.6	4.29

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The laboratory procedure was as follows:

- The samples were first dried
- Accurately weighed samples were added to approx. 100 ml 25 % Hydrogen chloride and carefully heated to dissolve calcite and dolomite
- The samples were then filtrated
- Calcium and magnesium content in the filtrate were determined by atomic absorption
- The insoluble remains were dried and weighed

Remarks:

Content of calcite and dolomite were calculated on the basis of their ideal formulas Ca CO_3 and $\text{Ca Mg (CO}_3)_2$. Sample nos. 46 and 48 have a low total sum of weights. We suspected that the samples contained siderite and looked for iron in the filtrate by atomic absorption. Only minor quantities were found. Calcium and magnesium contents were also determined again with the same results.

We hope that these data are satisfactory and please contact us if you have any comments.

Yours faithfully
GECO Petroleum Laboratory

Tore Larsen

Res. Well File - 7/11-7 (Slot 6)

Ed

Well 23/27-4 was
a Ranger well as
you expected Jan

305
12.31 NP

305
12.31 NP

302 40383+
411
12.37
40383 GECOM N
331058 PPCO N

TX 7461/83 TH STAVANGER 4 AUG 1983

ATTN:
M SKJÆVELAND - GECO STV

RE: COD 7/11-7 (SLOT A-6) SPECIAL CORE ANALYSIS

PLEASE SUBSTITUTE THE FORMATION WATER ANALYSIS GIVEN IN PARAGRAPH
3B OF TELEX 6771/83 WITH THE FOLLOWING ANALYSIS:

CONSTITUENT	MG/LITER
SODIUM	33200
CALCIUM	26150
MAGNESIUM	2500
IRON	1500
BARIUM	NIL
CHLORIDE	113980
POTASSIUM	18300
AMMONIUM	
AS N	115
AS NHY	148
BROMIDE	1000
BICARBONATE	62
SULFATE	12390
CARBONATE	NIL
HYDROXIDE	NIL
IODINE	LESS THAN 2

RESISTIVITY= 0.072 OHM-M AT 60 DEG F

REGARDS
JAN DANIELSEN/PPCO STAVANGER/NORWAY

CC

~~R A ROGERS (R) G GERSIB~~ 50
~~G E HICKS (R) O E HANSSSEN~~
42 A B CROWELL
CENTRAL FILE NO 04-335 WELL 7/11-7 (SLOT A-6)

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