

**COMPLETION LOG**

**PHILLIPS PETROLEUM COMPANY**  
**COMPOSITE LOG**

COMPANY: PHILLIPS PETROLEUM CO. WELL NUMBER: 2/4-12  
 CO-ORDINATES: 36° 31' 26.4" N COUNTY: Norway  
03° 08' 35.8" E PRODUCTION LICENCE: E 218  
 LICENCE BLOCK: 2/4  
 DATE SPUDDED: 29 July 1975 DATE COMPLETED: 8 Sept 1975  
 ELEVATION KB: 82' OF: 87.5' WATER DEPTH: 230'  
 TOTAL DEPTH: 11100' PBD: \_\_\_\_\_ STATUS: P and A  
 CASING RECORD: 30" cas at 430' ; 13 3/8" cas at 1003'  
20" cas at 1580' ; 9 5/8" cas at 1003'  
 GEOLOGIST: J.G. Firestoneberg  
 REMARKS: Rig "Ocean Viking"  
 TESTING AND COMPLETION SUMMARY: No above shale drilling logs  
Indicated low permeation and high water saturations. No tests were  
conducted. Well see P and A's.

**LEGEND**

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| <ul style="list-style-type: none"> <li> Claystone</li> <li> Dolomite</li> <li> Argillaceous limestone</li> <li> Silty limestone</li> <li> Claystone with silty shale</li> <li> Mottled</li> <li> Gypsum</li> <li> Anhydrite</li> <li> Salt (NaCl)</li> <li> Salt (CaCl2)</li> <li> Fluorite (CaF2)</li> <li> Barite (BaSO4)</li> </ul> | <ul style="list-style-type: none"> <li> Calcarenite</li> <li> Sandstone (shaly)</li> <li> Sandstone</li> <li> Silty shale</li> <li> Silty shale</li> <li> Shale (grey)</li> <li> Shale (grey)</li> <li> Shale (grey)</li> <li> Dolomitic shale</li> <li> Claystone</li> <li> Other</li> <li> Barite</li> </ul> | <ul style="list-style-type: none"> <li> Percentage of Oil Cuttings with Fluoride-Low Al2O3</li> <li> No. 1 (1) Fluorescence</li> <li> No. 2 (2) Fluorescence</li> <li> No. 3 (3) Fluorescence</li> <li> No. 4 (4) Fluorescence</li> <li> No. 5 (5) Fluorescence</li> <li> No. 6 (6) Fluorescence</li> <li> No. 7 (7) Fluorescence</li> <li> No. 8 (8) Fluorescence</li> <li> No. 9 (9) Fluorescence</li> <li> No. 10 (10) Fluorescence</li> <li> No. 11 (11) Fluorescence</li> <li> No. 12 (12) Fluorescence</li> <li> No. 13 (13) Fluorescence</li> <li> No. 14 (14) Fluorescence</li> <li> No. 15 (15) Fluorescence</li> <li> No. 16 (16) Fluorescence</li> <li> No. 17 (17) Fluorescence</li> <li> No. 18 (18) Fluorescence</li> <li> No. 19 (19) Fluorescence</li> <li> No. 20 (20) Fluorescence</li> </ul> |
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SCALE 1 500

WELL HISTORY AND DRILLING RATE	LITHOLOGIC DESCRIPTION	CORES AND TESTS
Minutes: 5 Feet		

