

DRILLING AND COMPLETION PROGRAM

FILE No. _____
DATE May 26th 73

WELL NAME SIV - 3/7-1 WELL NO. wildcat
COUNTRY NORWAY PROVINCE off shore FIELD _____
LOCATION _____ AREA Southern

OBJECT _____

TYPE TOOLS O. Tole Jack up.
METHOD OF DRILLING Rotary
DEPTH INTERVAL to TD.

APPROXIMATE DEPTHS OF GEOLOGICAL MARKERS		
ESTIMATED ELEVATION	Subseq mean level.	
MARKER	DEPTH	ELEVATION
<u>Eocene tuff</u>	<u>2625</u>	
<u>Danian chalk</u>	<u>2725 *</u>	
<u>Jurassic sand</u>	<u>3250 **</u>	
<u>Zechstein</u>	<u>3300 *</u>	
<u>or Basement</u>	<u>3300/3500 * if weathered</u>	
TOTAL DEPTH <u>3300/3500m. See 1/5000 prognosis</u>		
* POSSIBLE PAY # PROBABLE COMPLETION INTERVAL		

SPECIAL SURVEYS _____
DEPTH INTERVAL, ETC. _____
Seismic velocity end of hole
Bottom survey done in mid May.

REMARKS 4 cores Kallenberg under study -

DRILL CUTTING SAMPLES		DRILLING TIME	
FREQUENCY	DEPTH INTERVAL	FREQUENCY	DEPTH INTERVAL
<u>10 m reduced to</u>	<u>2 m as drilling rate</u>	<u>50 days</u>	
<u>decreases</u>			

SPECIAL TEST _____
DEPTH INTERVAL, ETC. _____

REMARKS _____

MUD PROGRAM	TYPE MUD	WEIGHT <u>SG.</u>	VISCOSITY SEC. API	W. L. CC/30M	OTHER SPECIFICATIONS
<u>550m.</u>	<u>Attapulgite</u>	<u>2.10</u>	<u>max</u>	<u>-</u>	
<u>150 - 2650</u>	<u>LFC/LC</u>	<u>1.10-1.30</u>	<u>50-50</u>	<u>< 10</u>	
<u>2650 - T.D.</u>	<u>H</u>	<u>1.30-1.60</u>	<u>45-50</u>	<u>5</u>	

REMARKS III Gumbo clays are under compacted.
Jurassic clays
Expected pressure gradient in Jurassic sands is 1.5

CASING PROGRAM	RKB	CASING SIZE*	HOLE SIZE*	SX. CEMENT	TYPE CEMENT	DESCRIPTION OF LANDING POINT, ETC.
CASING STRING	EST. DEPTH					
CONDUCTOR	<u>110 m.</u>	<u>30"</u>	<u>35/25"</u>			<u>Dried.</u>
SURFACE	<u>550 m</u>	<u>20"</u>	<u>26"</u>	<u>80T</u>	<u>B</u>	<u>multi line completion</u>
INTERMEDIATE	<u>1400</u>	<u>13 3/8</u>	<u>17 1/2</u>	<u>80T</u>	<u>B</u>	<u>"</u>
OIL STRING	<u>3250</u>	<u>9 5/8</u>	<u>12 1/4</u>	<u>40T</u>	<u>D</u>	<u>"</u>
LINER CASING						

REMARKS _____

* NORMAL THE TUBULAR GOODS ALLOCATION LETTER SPECIFIES CASING SIZES TO BE USED. HOLE SIZES WILL BE GOVERNED BY CONTRACT.

CORING PROGRAM Danian / Jurassic / Permian if shows one core to contribute the logs -

COMPLETION PROGRAM the well will be plugged out abandonment