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RMU File 2/4 9

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Symbole: 1100 GD 00

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N.B. - Only the subjects marked with a cross appear in this chapter.

OUTLINE AND MAIN RESULTS

Symbole : 1101 GD 00

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OBJECT

To carry out Drill Stem Tests for Phillips Petroleum Co. Norway on Well 2/4-9.

D.S.T. No.1. Perforations 11,050' - 11,024'

Well was produced wide open and flowed through Separator. Oil and gas measurements were taken.

D.S.T. No.2. Perforations 11,020' - 10,854'

The lower zone was not squeezed off so both zones were flowed together. Choking was at the Halliburton manifold for maximum flow rate, 2/3 maximum and 1/3 maximum. -4 = 0.006 KE

1st Stimulation. (40,000 gls. Acid).

Due to problems with BAKER lubricators and B.O.P and a leaking bottom master valve, the well was killed, and the string pulled. The string was run in again for:-

D.S.T. No.3.

The same two zones were tested (11,050' - 11,024' and 11,020' - 10,854'). The well was flowed on a 1/4'' choke.

2nd Stimulation. (40,000 gls. Acid).

The well was flowed on 20/64" + 24/64" chokes then killed and plugged back.

D.S.T. No.4. Perforations 10,770' - 10,740'

At first the well flowed some water.

3rd Stimulation. (30,000 gals Acid).

Again some water with traces of oil.

The well was then killed and plugged back.

D.S.T. No.5. Perforations 10,570' - 10,580'

This zone flowed only water.

4th Stimulation. (40,000 gals Acid).

The well flowed some water then died. Pumped 10 Bbls drill water into tubing; the well then re-started and flowed some water with traces of oil. The well was then killed.

END OF TESTS.



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	OIL RATE BOPD.	C HOKE	GRAVITY API	GAS RATE MMSCF.	G.O.R. MCF/BBL.	W.H.P. PSI.	SEPARATOR PRESS. PSIG.
D.S.T. No.1. Flow Period No.1. Flow Period No.2.	1/4 hr. only. 760	No. readings. wide open	43	3.45	4,500	265	180
D.S.T. No.2. Flow Period No.1. Flow Period No.2. Flow Period No.3. Flow Period No.4. D.S.T. No.3. Flow Period No.1. Flow Period No.2.	2800 1415 1870 2600 920 × 2900	$32/64 \sqrt{20/64}$ $24/64 \sqrt{20/64 + 24/64}$ $16/64$ $20/64 + 24/64 \sqrt{20/64 + 24/64}$	44 46 45 46 46 44	14.4 6.6 8.5 13.1 4.7 16.1	5,168 4,593 4,470 4,894 5,207 5,487	3,905 √ 4,905 √ 4,700 √ 4,150 5,013 4,527 -	525 185 260 360 160 440
<u>D.S.T. No.4</u> .	No flow.	4 					
<u>D.S.T. No.5</u> .	No flow.						