

JAMES E. RUSSELL PETROLEUM, INC.

PROFILE MODIFICATION TREATMENT

LEASE: Nelson

WELL NO. HW-31

DATE OF JOB: 4-17-86

SURROUNDING PRODUCERS: H-3, H-5,

H-9, H-10

REASON FOR JOB: To Block Channel

SIZE & TYPE OF JOB: The PMT of HW-31 consisted of a 70 barrel polymer slug using Sodium Thiosulfate and Sodium Dichromate as crosslinking reagents.

BEGINNING PRESS.: 0

ENDING PRESS.: 580

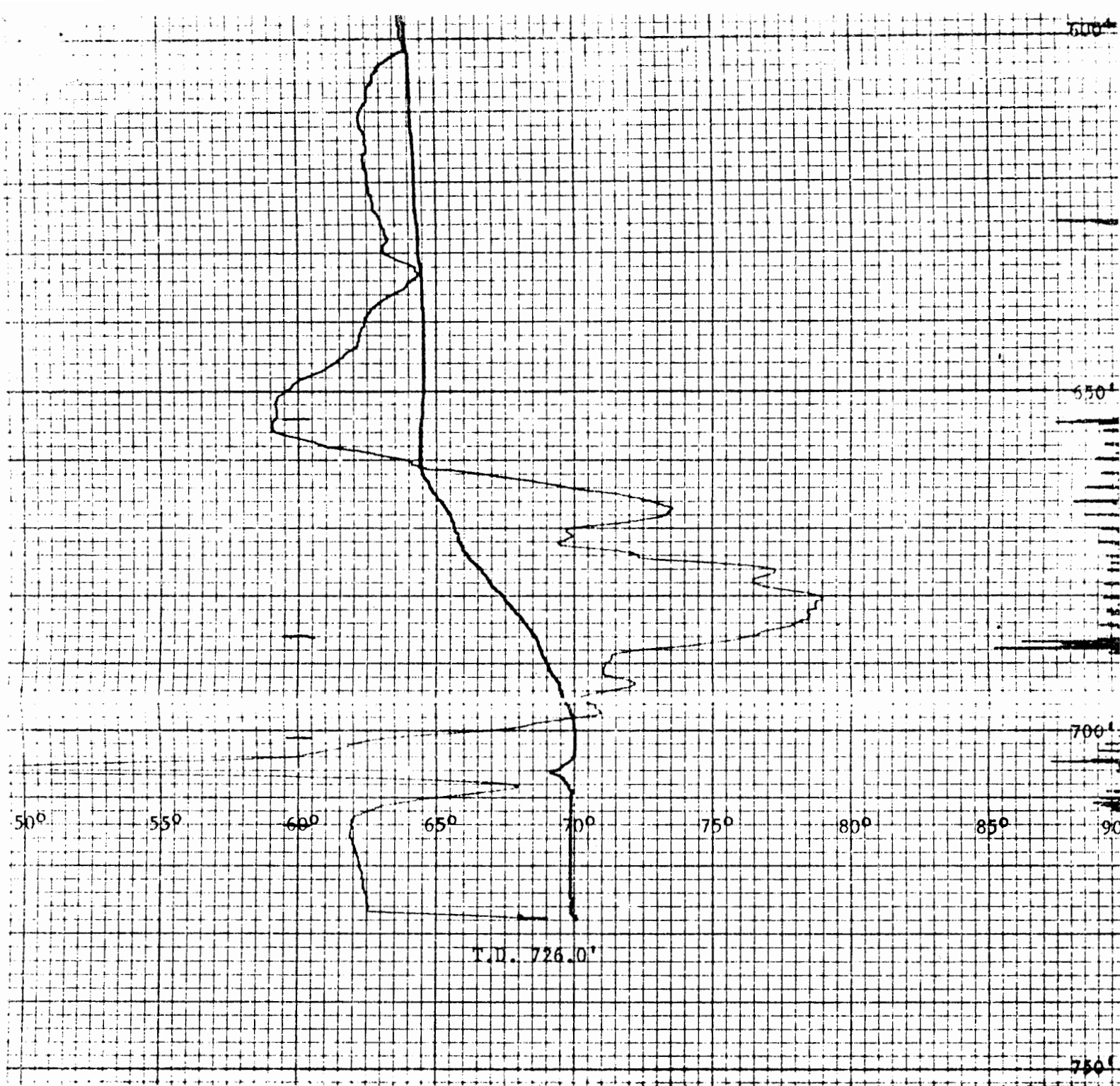
SURROUNDING PRODUCERS AVERAGE TEST 3 MO. BEFORE & AFTER

WELL NO.:	H-3		H-5		H-9		H-10	
	<u>OIL</u>	<u>WATER</u>	<u>OIL</u>	<u>WATER</u>	<u>OIL</u>	<u>WATER</u>	<u>OIL</u>	<u>WATER</u>
BEFORE:	2.5	50.0	2.0	15.0			Tr.	80.0
AFTER:	<u>2.5</u>	<u>50.0</u>	<u>2.2</u>	<u>10.0</u>			<u>1.5</u>	<u>65.0</u>
CHANGE:	0.0	0.0	+0.2	- 5.0			+1.5	-15.0

SHOW OF POLYMER: None

REMARKS: H-9 was on flowing status and tested no fluid before and after the PMT. In 1985 H-9 tested about 2 B/D oil and 80.0 B/D water. Problems with the electric system kept this well from being pumped.

H-9 reactivated 9-87, tested 1.1 oil and 35.0 water.



NELSON NO. HW-31

2-10-84 Temp Survey

JAMES E. RUSSELL PETROLEUM, INC.

ALLEN COUNTY, KANSAS

FEBRUARY 10, 1984

21-26S-21E