

COMPANY: WEST-TECH, INC. ---
CLIENT: ARCH PETROLEUM, INC..
GAUGE NUMBER: 29240
WELL NAME: BERTHA
WELL NUMBER: 5 Unit M 23-24s-37e
TEST NUMBER: 97-14-0491
LOCATION: LEA COUNTY, NEW MEXICO
TEST OPERATOR: BT AND JZ
COMMENTS: TEMPERATURE SURVEY

POSITION GAUGE SERIAL NUMBER
1

PAGE START DATE: 3/10/97
PAGE START TIME: 19:10: 0
DATA FILE: 1

DELTA TIME HRS	DEPTH FEET	TEMPERATURE 'F	COMMENTS
0.000	30.00	61.00	
0.750	2020.00	76.00	
0.758	2058.00	92.50	BREAK
0.767	2100.00	88.50	
0.800	2281.00	108.25	
0.825	2424.00	87.50	
0.850	2572.00	94.75	
0.858	2622.00	91.50	
0.867	2673.00	94.75	
0.883	2780.00	91.75	
0.892	2837.00	95.25	
0.900	2894.00	92.00	
0.917	3000.00	97.00	TEST DEPTH

DATE AND TIME CEMENT JOB COMPLETE:

MARCH 10, 1997 @ 3:00 PM

DATE AND TIME SURVEY MADE:

MARCH 10, 1997 @ 7:00 PM

AMOUNT AND TYPE CEMENT USED:

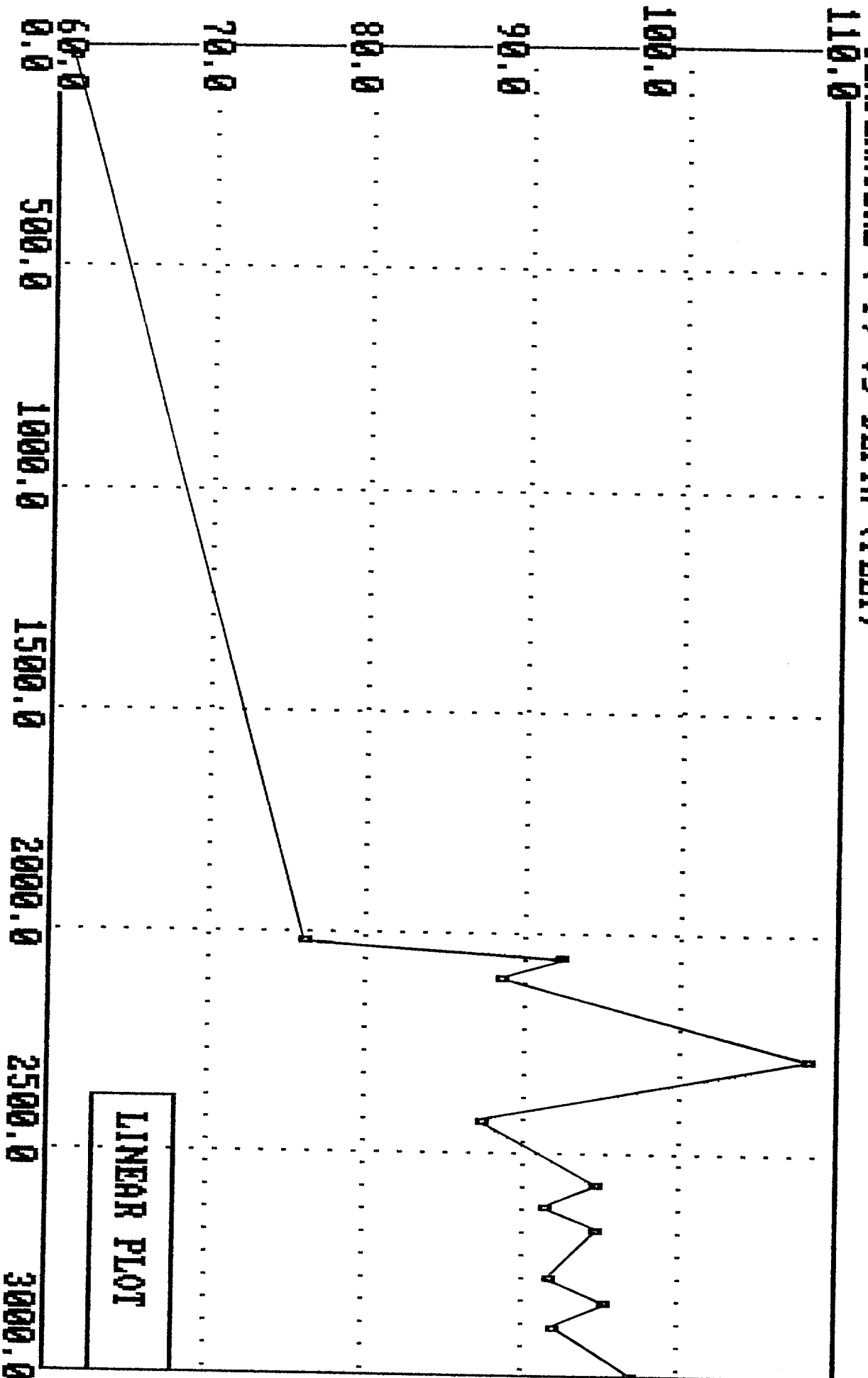
1300 SACKS CLASS "C", 50:50 POSMIX,
10% BENTONITE WITH 5# SALT PER SACK;
530 SACKS CLASS "C", 50:50 POSMIX WITH
2% BENTONITE, 5# SALT PER SACK AND 4/10%
FL62 RUN BEHIND 6500 FEET OF 4½" CASING
IN A 7-7/8" HOLE.

DEPTH FIGURED FROM:

KELLY BUSHING

TEMPERATURE (°F) VS DEPTH (FEET)

ARCH PETROLEUM, INC.
BERTHA NO. 5
LEA COUNTY, NEW MEXICO
TEMPERATURE SURVEY
MARCH 10, 1997



LINEAR PLOT

APPROXIMATE CEMENT TOP:

2020 FEET

TEST DEPTH:

3000 FEET