

ATLAS WIRELINE SERVICES
PHOTON LOG
GRAVEL PACK SURVEY

FILE NO. _____ COMPANY OREGON NATURAL GAS CORP
 WELL NAME IW 33D-3
 FIELD MIST
 COUNTY COLUMBIA STATE OREGON
 5" = 100'
 LOCATION: 1013' S 1/4 1653' N OF THE E 1/4 CORNER OF SEC 3 T12N R3E S4
 OTHER SERVICES: NONE

PERMITS OREGON 02 LOGGING MEASURED FROM KB 11.4' ELEV. 1078.3 FT. ABOVE P.O. DRILLING MEASURED FROM KB 0' ELEVATIONS OF 1078.3'

DATE	6/12/88
RUN	1
SERVICE ORIGIN	158839
DEPTH-DRILLER	2682'
DEPTH-LOGGER	2682'
BOTTOM LOGGED INTERVAL	2688'
TOP LOGGED INTERVAL	2688'
TYPE FLUID IN HOLE	CEL/DI/SYNEC
DENSITY LB/GR.	9.8
LEVEL	FULL
MAX. REC. TEMP. DEG. F	
OPER. RIG TIME	1 HR
EQUIP. NO. / LOC.	H 6406 / SPC
RECORDED BY	B. HELCH
WITNESSED BY	HR. THOMAS
NO.	BIT FROM BORDOLE RECORD

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCE FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.



FOLD HERE

SIZE	11.25"	WCT	10
SIZE	8.5/8"	SIZE	544'
SIZE	5.5	SIZE	2635'
SIZE	5.5	SIZE	2682'

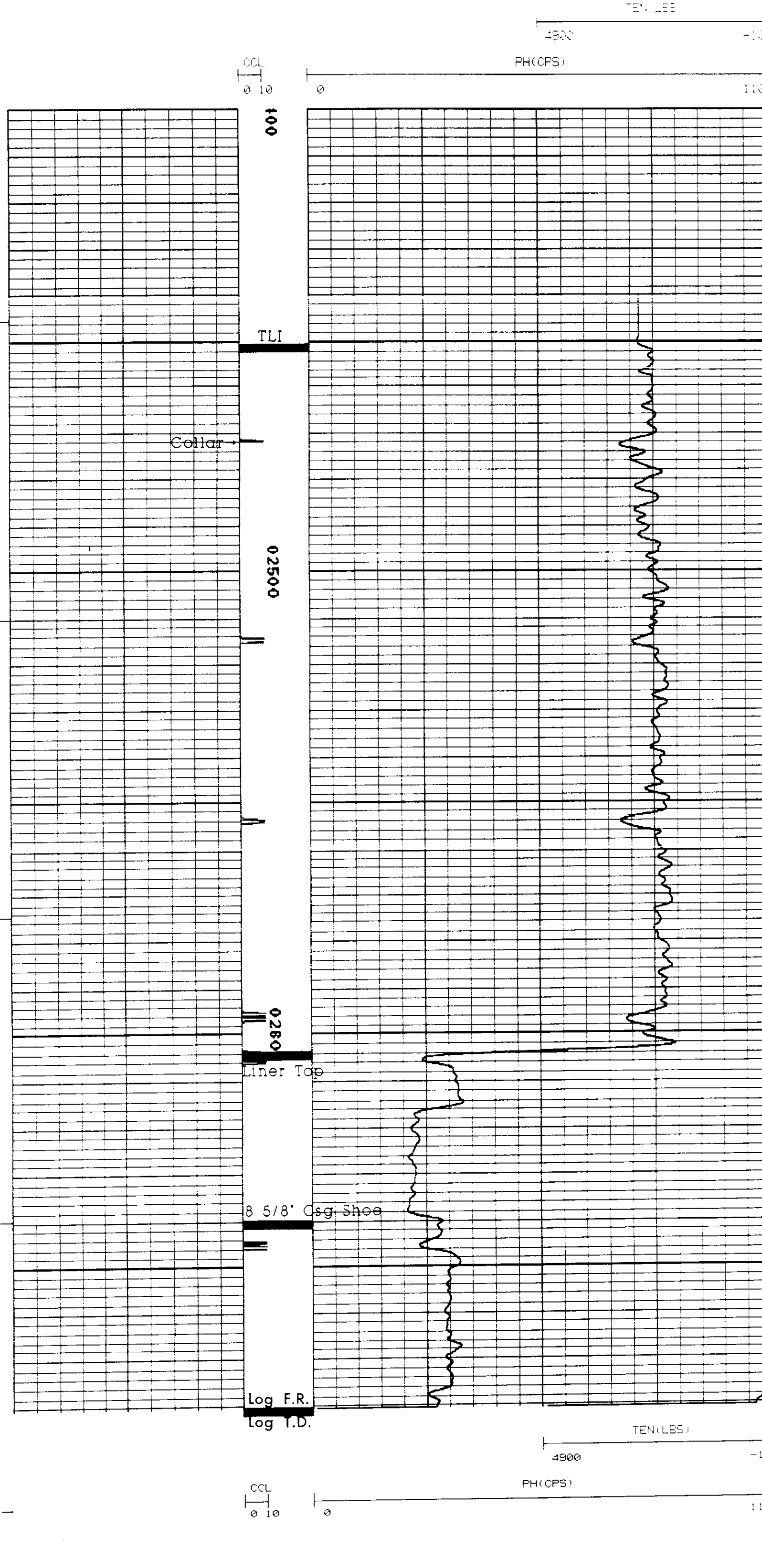
REMARKS RUN (1)

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	PH	50195	1305	CENT
1	1	CCL			

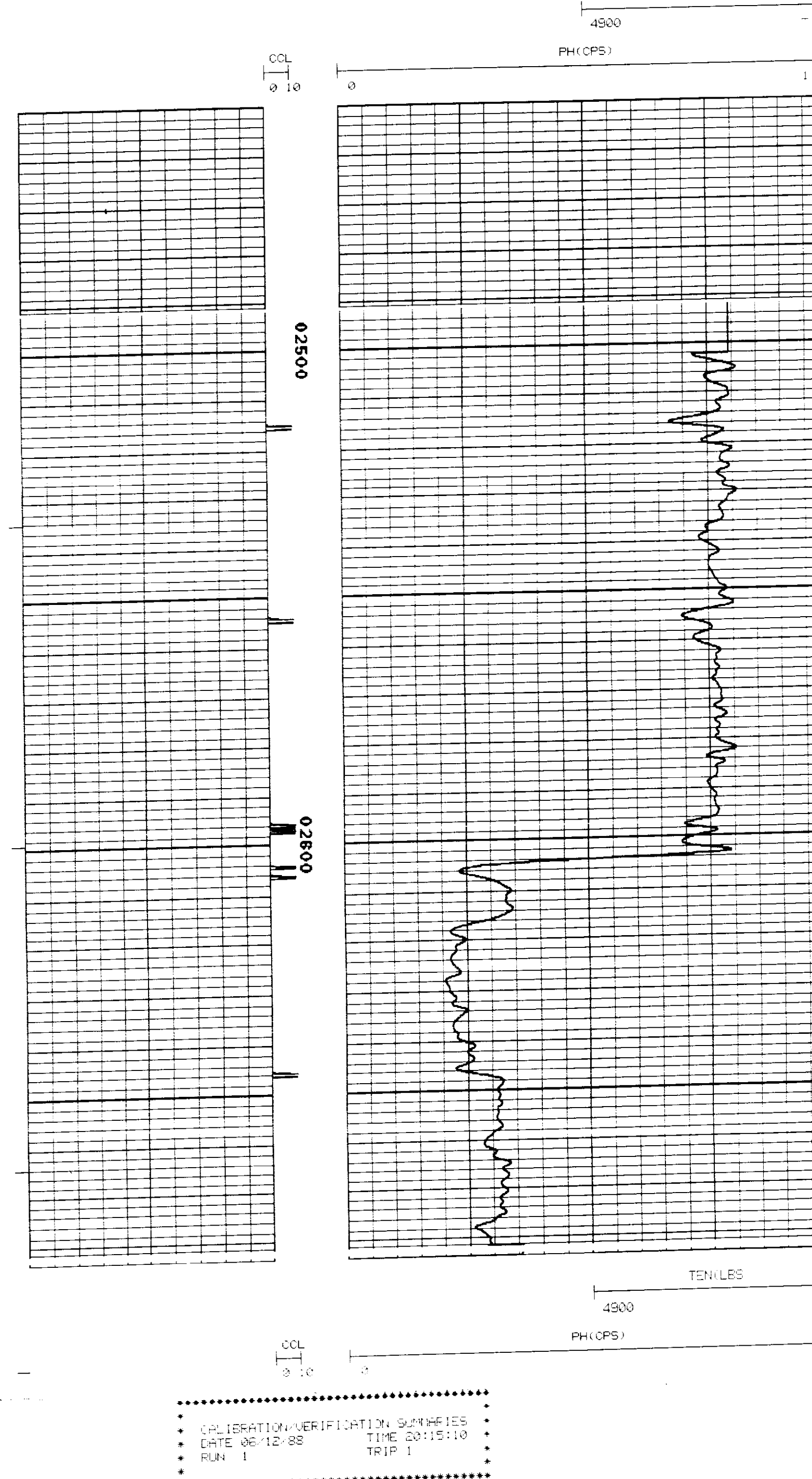
PARAMETERS
 *** NONE ***
 DISPLAY SCALE CHANGES
 *** NONE ***

COMPANY: OREGON NATURAL GAS CORP RUN: 1
 WELL NAME: IW 33D-3 TRIP: 1
 SERVICE: KC451B FILE: 1 DATE: 6/12/88 TIME: 13:40:19
 REVISION: FS/SAL REV 0508 VER 2 MODE: PLANE-1



COMPANY: OREGON NATURAL GAS CORP RUN: 1
 WELL NAME: IW 33D-3 TRIP: 1
 SERVICE: KC451B FILE: 1 DATE: 6/12/88 TIME: 13:40:19
 REVISION: FS/SAL REV 0508 VER 2 MODE: PLANE-1

REPEAT SECTION



 * CALIBRATION/VERIFICATION SUMMARIES *
 * DATE 06/12/88 TIME 20:15:10 *
 * RUN 1 TRIP 1 *

CURVE	COUNTS/SEC.		SCALING FACTORS		ENGINEERING VALUES		UNITS
	LOW	HIGH	ADD.	MULT.	LOW	HIGH	
DATE 06/12/88	CALIBRATION				TIME 19:10:02		
PH	50.0	176.0	0.000	1.0000	0.000	200.000	PPH
	PRIMARY VERIFICATION				NOT DONE		
	SERVICE LOG VERIFICATION				NOT DONE		
DATE 06/12/88	AFTER LOG VERIFICATION				TIME 20:11:30		
PH	50.0	176.0	0.000	1.0000	48.471	200.000	PPH

*** CCL NOT CALIBRATED ***