TIME TDT-P

MISSOURI

Other Services: CNL HLDT

RANGE

Elev.: K.B. D.F. G.L.

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	ONE	
Service Order No.	368977	
Drilling Fluid Level	120.0 F	
Salinity		
Rmf @ BHT	@	@
Rms @ BHT	@	@
Logging Speed	900.0 F/HR	
EQUIPMENT DATA		
Tool Number 1	SHH-EA 316	
Tool Number 2	TNH-MA 312	
Tool Number 3	SHH-EB 1089	
Tool Number 4	CAL-UB 1162	
Tool Number 5	ATM-AA 87	
Tool Number 6	MIN 7628	
Tool Number 7		
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:

FLUID LEVEL ABOUT 120'
INJECTING FRESH WATER
AT 5 GPM FOR 15 HRS
AND WHILE LOGGING
WATER SAMPLE TAKEN

CHANGED PARAMETERS

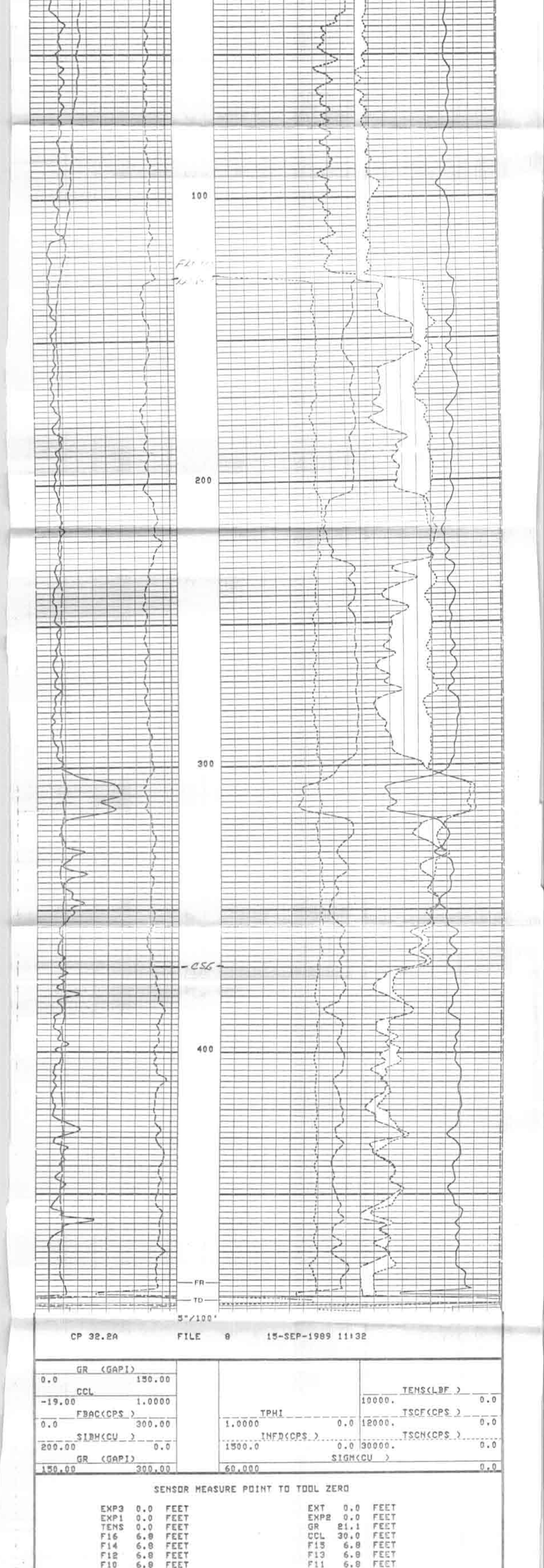
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)

GR (GAPI)		TPHI		TENS(LBF)	
0.0	150.00	1.0000	0.0	10000.	0.0
CCL		INFD(CPS)		TSCF(CPS)	
-19.00	1.0000	1500.0	0.0	12000.	0.0
FBAC(CPS)		SIGM(CU)		TSCN(CPS)	
0.0	300.00	60.000	0.0	30000.	0.0
SIBH(CU)					
200.00	0.0				
GR (GAPI)					
150.00	300.00				

BHS = OPEN

CP 32.2A FILE [illegible]

5"/100'



5"/100'

CP 32.2A FILE 8 15-SEP-1989 11:32

GR (GAPI)		TPHI		TENS(LBF)	
0.0	150.00	1.0000	0.0	10000.	0.0
CCL		INFD(CPS)		TSCF(CPS)	
-19.00	1.0000	1500.0	0.0	12000.	0.0
FBAC(CPS)		SIGM(CU)		TSCN(CPS)	
0.0	300.00	60.000	0.0	30000.	0.0
SIBH(CU)					
200.00	0.0				
GR (GAPI)					
150.00	300.00				

SENSOR MEASURE POINT TO TOOL ZERO

EXP3	0.0	FEET	EXT	0.0	FEET
EXP1	0.0	FEET	EXP2	0.0	FEET
TENS	0.0	FEET	GR	21.1	FEET
F16	6.8	FEET	CCL	30.0	FEET
F14	6.8	FEET	F15	6.8	FEET
F12	6.8	FEET	F13	6.8	FEET
F10	6.8	FEET	F11	6.8	FEET
F8	6.8	FEET	F9	6.8	FEET
F6	6.8	FEET	F7	6.8	FEET
F4	6.8	FEET	F5	6.8	FEET
F2	6.8	FEET	F3	6.8	FEET
N16	6.3	FEET	F1	6.8	FEET
N14	6.3	FEET	N15	6.3	FEET
N12	6.3	FEET	N13	6.3	FEET
N10	6.3	FEET	N11	6.3	FEET
N8	6.3	FEET	N9	6.3	FEET
N6	6.3	FEET	N7	6.3	FEET
N4	6.3	FEET	N5	6.3	FEET
N2	6.3	FEET	N3	6.3	FEET
N1	6.3	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	8.30000	LB/G	TD	480.000	F
MATR	LIME		MOT	.415004	HR
DFPC	2		RGAI	1.02310	
CWEI	11.6500	LB/F	GTSE	HPT	
SHT	80.0000	DEGF	BHT	90.0000	DEGF
FCHD	CSID		BS	6.00000	IN
BHS	OPEN		CSIZ	6.62500	IN

GR (GAPI)		TPHI		TENS(LBF)	
0.0	150.00	1.0000	0.0	10000.	0.0
CCL		INFD(CPS)		TSCF(CPS)	
-19.00	1.0000	1500.0	0.0	12000.	0.0
FBAC(CPS)		SIGM(CU)		TSCN(CPS)	
0.0	300.00	60.000	0.0	30000.	0.0
SIBH(CU)					
200.00	0.0				
GR (GAPI)					
150.00	300.00				

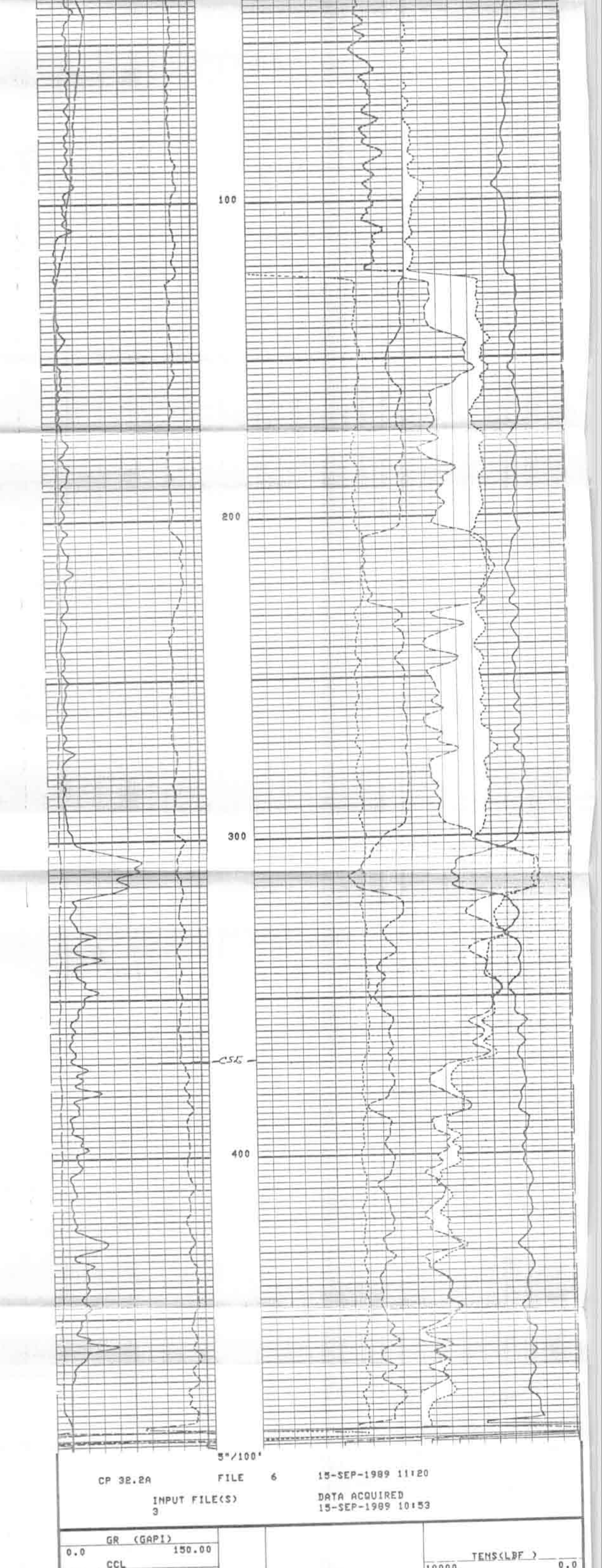
REPEAT
BHS = CASE

CP 32.2A FILE 6 15-SEP-1989 11:25

INPUT FILE(S) 3

DATA ACQUIRED 15-SEP-1989 11:17

5"/100'



5"/100'

CP 32.2A FILE 6 15-SEP-1989 11:20

INPUT FILE(S) 3

DATA ACQUIRED 15-SEP-1989 10:53

GR (GAPI)		TPHI		TENS(LBF)	
0.0	150.00	1.0000	0.0	10000.	0.0
CCL		INFD(CPS)		TSCF(CPS)	
-19.00	1.0000	1500.0	0.0	12000.	0.0
FBAC(CPS)		SIGM(CU)		TSCN(CPS)	
0.0	300.00	60.000	0.0	30000.	0.0
SIBH(CU)					
200.00	0.0				
GR (GAPI)					
150.00	300.00				

SENSOR MEASURE POINT TO TOOL ZERO

EXP3	0.0	FEET	EXT	0.0	FEET
EXP1	0.0	FEET	EXP2	0.0	FEET
TENS	0.0	FEET	GR	21.1	FEET
F16	6.8	FEET	CCL	30.0	FEET
F14	6.8	FEET	F15	6.8	FEET
F12	6.8	FEET	F13	6.8	FEET
F10	6.8	FEET	F11	6.8	FEET
F8	6.8	FEET	F9	6.8	FEET
F6	6.8	FEET	F7	6.8	FEET
F4	6.8	FEET	F5	6.8	FEET
F2	6.8	FEET	F3	6.8	FEET
N16	6.3	FEET	F1	6.8	FEET
N14	6.3	FEET	N15	6.3	FEET
N12	6.3	FEET	N13	6.3	FEET
N10	6.3	FEET	N11	6.3	FEET
N8	6.3	FEET	N9	6.3	FEET
N6	6.3	FEET	N7	6.3	FEET
N4	6.3	FEET	N5	6.3	FEET
N2	6.3	FEET	N3	6.3	FEET
N1	6.3	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PP	RECO		DO	0.0	F
WMUD	8.30000	LB/G	TD	480.000	F
MATR	LIME		MOT	.415004	HR
DFPC	2		RGAI	1.02310	
CWEI	11.6500	LB/F	GTSE	HPT	
SHT	80.0000	DEGF	BHT	90.0000	DEGF
FCHD	CSID		BS	8.00000	IN
BHS	CASE		CSIZ	6.62500	IN

CHANGED PARAMETERS

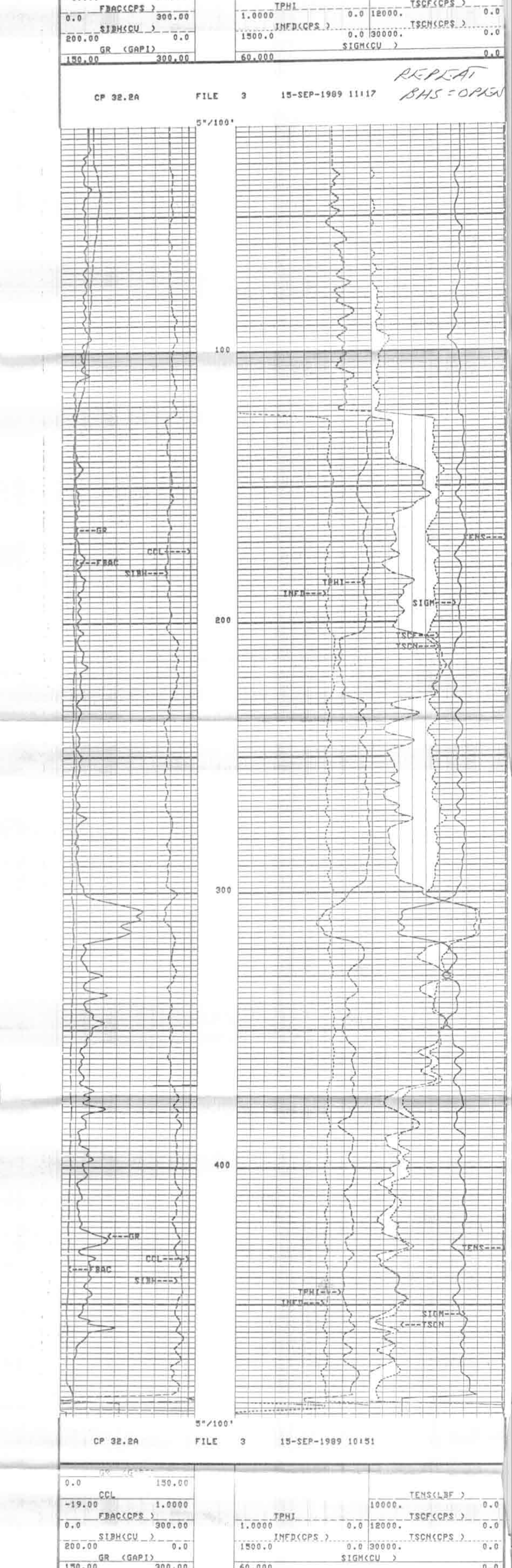
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)

GR (GAPI)		TPHI		TENS(LBF)	
0.0	150.00	1.0000	0.0	10000.	0.0
CCL		INFD(CPS)		TSCF(CPS)	
-19.00	1.0000	1500.0	0.0	12000.	0.0
FBAC(CPS)		SIGM(CU)		TSCN(CPS)	
0.0	300.00	60.000	0.0	30000.	0.0
SIBH(CU)					
200.00	0.0				
GR (GAPI)					
150.00	300.00				

REPEAT
BHS = OPEN

CP 32.2A FILE 3 15-SEP-1989 11:17

5"/100'



5"/100'

CP 32.2A FILE 3 15-SEP-1989 10:51

GR (GAPI)		TPHI		TENS(LBF)	
0.0	150.00	1.0000	0.0	10000.	0.0
CCL		INFD(CPS)		TSCF(CPS)	
-19.00	1.0000	1500.0	0.0	12000.	0.0
FBAC(CPS)		SIGM(CU)		TSCN(CPS)	
0.0	300.00	60.000	0.0	30000.	0.0
SIBH(CU)					
200.00	0.0				
GR (GAPI)					
150.00	300.00				

SENSOR MEASURE POINT TO TOOL ZERO

EXP3	0.0	FEET	EXT	0.0	FEET
EXP1	0.0	FEET	EXP2	0.0	FEET
TENS	0.0	FEET	GR	21.1	FEET
F16	6.8	FEET	CCL	30.0	FEET
F14	6.8	FEET	F15	6.8	FEET
F12	6.8	FEET	F13	6.8	FEET
F10	6.8	FEET	F11	6.8	FEET
F8	6.8	FEET	F9	6.8	FEET
F6	6.8	FEET	F7	6.8	FEET
F4	6.8	FEET	F5	6.8	FEET
F2	6.8	FEET	F3	6.8	FEET
N16	6.3	FEET	F1	6.8	FEET
N14	6.3	FEET	N15	6.3	FEET
N12	6.3	FEET	N13	6.3	FEET
N10	6.3	FEET	N11	6.3	FEET
N8	6.3	FEET	N9	6.3	FEET
N6	6.3	FEET	N7	6.3	FEET
N4	6.3	FEET	N5	6.3	FEET
N2	6.3	FEET	N3	6.3	FEET
N1	6.3	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	8.30000	LB/G	TD	480.000	F
MATR	LIME		MOT	0.0	HR
DFPC	2		RGAI	1.02310	
CWEI	11.6500	LB/F	GTSE	HPT	
SHT	80.0000	DEGF	BHT	90.0000	DEGF
FCHD	CSID		BS	6.00000	IN
BHS	OPEN		CSIZ	6.62500	IN

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 15-SEP-1989 10:41
PROGRAM FILE: TDTP (VERSION 32.2A 89/02/24 88/11/16)

ATTB DETECTOR CALIBRATION SUMMARY

	MEASURED BKGD	MEASURED JIG	CALIBRATED	UNITS
GR	0	0	0	GAPI

BACK: JIG: COMP:

TDTP DETECTOR CALIBRATION SUMMARY

NET COUNT RATES(CPS) NEAR DET	FAR DET	STD DEV NEAR	FAR	MEAS RATIO	REF RATIO	GAIN
244.2	832.8	29.79	39.30	.293	.300	1.02

BACK: 15-SEP-1989 10:37 JIG: 15-SEP-1989 10:40 COMP: 15-SEP-1989 10:40

CP 32.2A FILE 7 15-SEP-1989 10:40