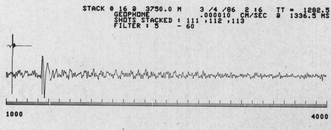


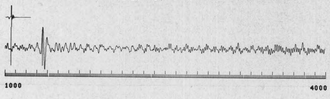
FILE 0 1

STACK 0 16 0 3750.0 M 3/4/86 8 16 TT = 1888.5 MS
GEOPHONE .000810 CM/SEC @ 1334.5 MS
SHOTS STACKED : 111 :112 :113
FILTER : 5 - 60



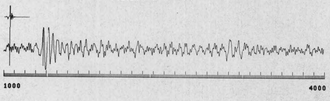
FILE 0 1

STACK 0 15 0 3900.0 M 3/4/86 8 11 TT = 1895.4 MS
GEOPHONE .000809 CM/SEC @ 1349.5 MS
SHOTS STACKED : 108 :109 :110
FILTER : 5 - 60



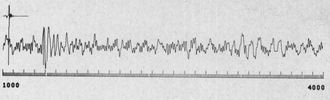
FILE 0 1

STACK 0 14 0 3950.0 M 3/4/86 8 126 TT = 1313.0 MS
GEOPHONE .000810 CM/SEC @ 1367.5 MS
SHOTS STACKED : 105 :106 :107
FILTER : 5 - 60

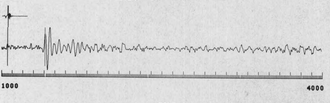


FILE 0 1

STACK 0 13 0 3900.0 M 3/4/86 8 125 TT = 1328.5 MS
GEOPHONE .000809 CM/SEC @ 1382.5 MS
SHOTS STACKED : 102 :103 :104
FILTER : 5 - 60

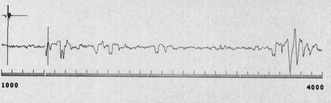


STACK 0 9 0 4200.1 M 3/4/86 1 17 TT = 1358.1 MS
GEOPHONE .000810 CM/SEC @ 1406.0 MS
SHOTS STACKED : 79 :80 :81 :82 :83
FILTER : 5 - 60



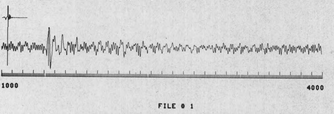
FILE 0 1

STACK 0 8 0 4130.0 M 3/4/86 8 127 TT = 1379.0 MS
GEOPHONE .000809 CM/SEC @ 1433.0 MS
SHOTS STACKED : 64 :65 :67 :68 :69 :70 :71
FILTER : 5 - 60



FILE 0 1

SHOT 0 7 0 4150.0 M 3/4/86 8 14 TT = 1386.8 MS
GEOPHONE .000809 CM/SEC @ 1440.5 MS
SHOTS STACKED : 57 :58 :59
FILTER : 5 - 60



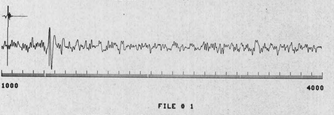
FILE 0 1

STACK 0 6 0 4140.1 M 3/3/86 88 182 TT = 1173.9 MS
GEOPHONE .001113 CM/SEC @ 1230.5 MS
SHOTS STACKED : 48
FILTER : 5 - 60



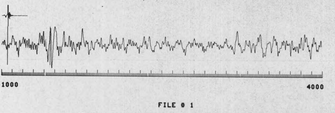
FILE 0 1

STACK 0 5 0 4170.0 M 3/3/86 88 182 TT = 1391.6 MS
GEOPHONE .000807 CM/SEC @ 1445.5 MS
SHOTS STACKED : 39 :40 :41 :42 :43 :45 :46
FILTER : 5 - 60



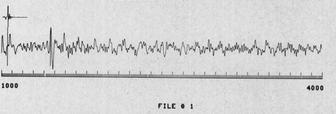
FILE 0 1

STACK 0 4 0 4200.0 M 3/3/86 88 183 TT = 1404.6 MS
GEOPHONE .000804 CM/SEC @ 1454.5 MS
SHOTS STACKED : 21 :22 :24 :25 :26 :28 :29
FILTER : 5 - 60



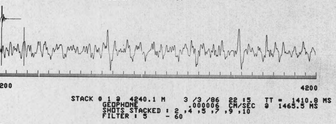
FILE 0 1

STACK 0 3 0 4200.0 M 3/3/86 88 180 TT = 1408.9 MS
GEOPHONE .000805 CM/SEC @ 1457.5 MS
SHOTS STACKED : 13 :14 :15 :16 :17 :19 :20
FILTER : 5 - 60

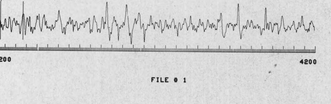


FILE 0 1

STACK 0 2 0 4240.1 M 3/3/86 88 118 TT = 1418.0 MS
GEOPHONE .000804 CM/SEC @ 1465.5 MS
SHOTS STACKED : 2 :4 :5 :7 :9 :10 :12
FILTER : 5 - 60

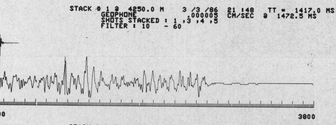


STACK 0 1 0 4240.1 M 3/3/86 88 12 TT = 1419.0 MS
GEOPHONE .000805 CM/SEC @ 1465.5 MS
SHOTS STACKED : 2 :4 :5 :7 :9 :10
FILTER : 5 - 60

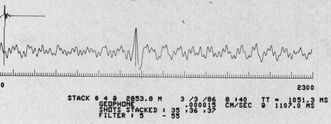


FILE 0 1

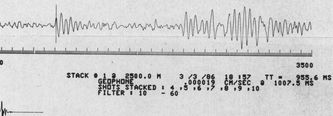
STACK 0 1 0 4250.0 M 3/3/86 81 148 TT = 1417.0 MS
GEOPHONE .000805 CM/SEC @ 1472.5 MS
SHOTS STACKED : 1 :3 :4 :5
FILTER : 10 - 60



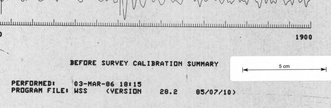
STACK 0 1 0 4267.1 M 3/3/86 81 113 TT = 1418.0 MS
GEOPHONE .000804 CM/SEC @ 1470.5 MS
SHOTS STACKED : 2 :3 :4 :5 :7
FILTER : 10 - 45



STACK 0 4 0 4253.0 M 3/3/86 8 142 TT = 1451.0 MS
GEOPHONE .000813 CM/SEC @ 1107.0 MS
SHOTS STACKED : 35 :36 :37
FILTER : 5 - 55



STACK 0 3 0 4260.0 M 3/3/86 18 127 TT = 955.6 MS
GEOPHONE .000813 CM/SEC @ 1107.5 MS
SHOTS STACKED : 4 :5 :6 :7 :8 :9 :10
FILTER : 10 - 60



BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 03-MAR-86 18:15
PROGRAM FILE: WIS (VERSION 28.2 85/07/10)

WSTA CALIPER CALIBRATION SUMMARY

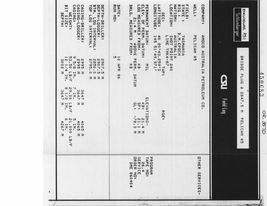
	MEASURED SMALL	MEASURED LARGE	CALIBRATED SMALL	CALIBRATED LARGE	UNITS
CAL1	7.31	14.3	8.00	12.0	IN

CP 28.2 FILE 0 03-MAR-86 19:14

450682

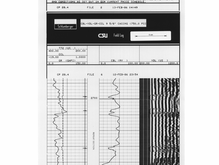
PELICAN #5

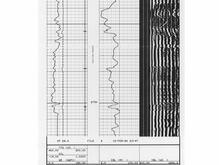
PRODUCTION SERIES

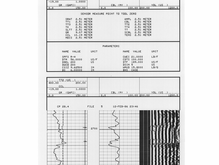

COMPANY
WELL
FIELD
COUNTY
STATE
SERVICE ORDER
PERMANENT DATUM
LOG MEASURED FROM
DRILLING MEASURED FROM
API SERIAL NO.
SECTION
TOWNSHIP
RANGE
PERMANENT DATUM
ELEVATION
ELEVATION
ELEVATION
ELEVATION
DATE
RUN NO.
DEPTH DRILLER
DEPTH LOGGER
BTM LOG INTERVAL
TOP LOG INTERVAL
CASING DRILLER
CASING LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS TEMP
RMF @ MEAS TEMP
RMC @ MEAS TEMP
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
MAX REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
CASING DRILLER
BIT SIZE
TYPE FLUID
DENSITY
VISCOSITY
PH
FLUID LOSS
RM @ MEAS TEMP
RMF @ MEAS TEMP
RMC @ MEAS TEMP

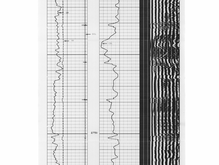


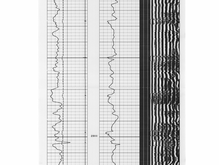


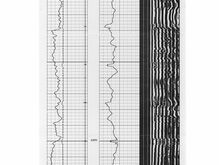


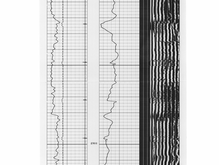


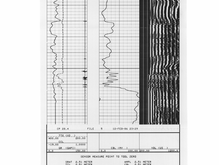


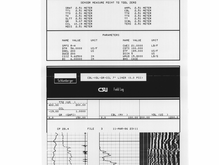


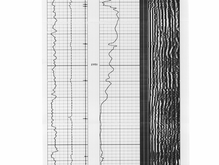


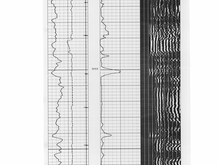


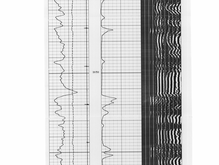


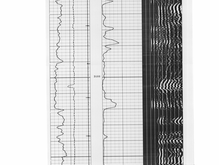


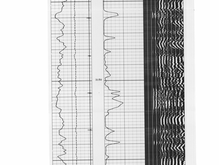


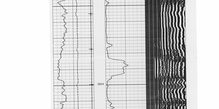


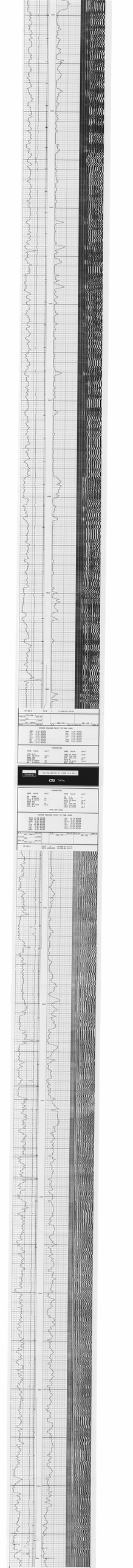


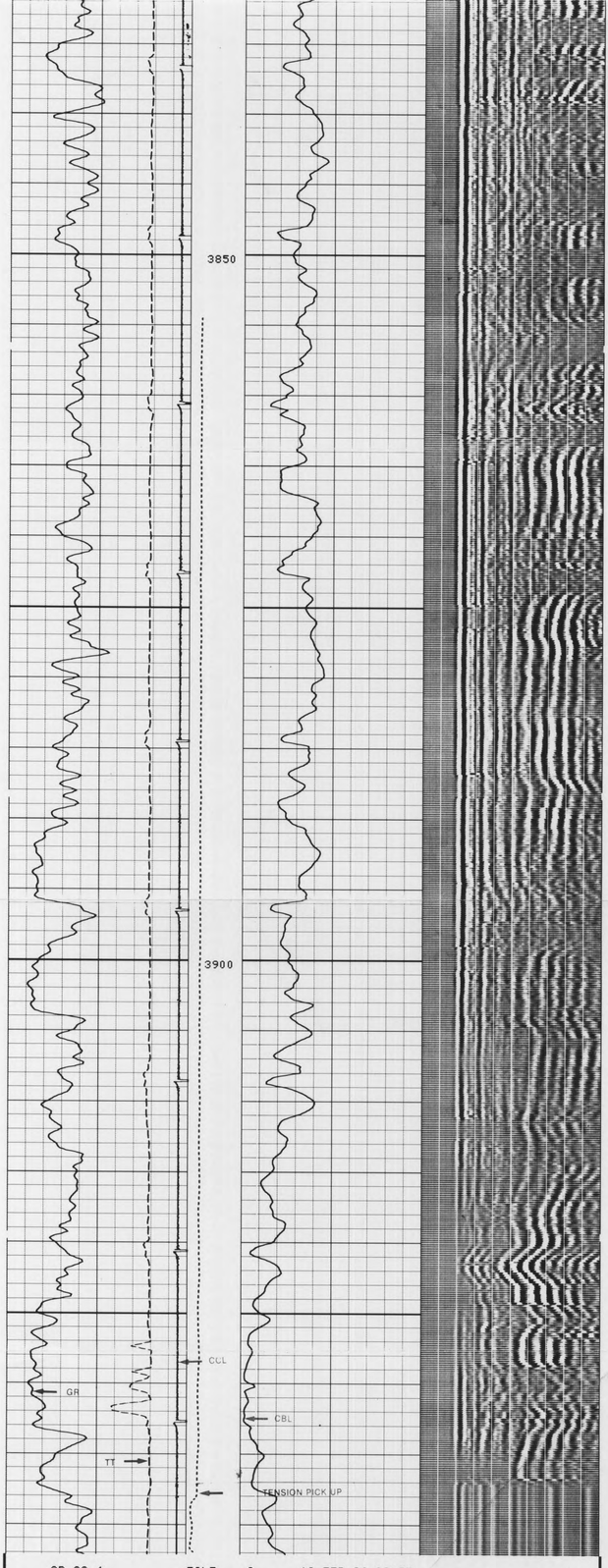












CP 28.4

FILE 8 13-FEB-86 03:55
DATA ACQUIRED 13-FEB-86 02:30

0.0 150.00		0.0 100.00	200.00 1200.0
GR (GAPI)		CBL (MV)	VDL (US)
-19.00 1.0000			
CCL			
400.00 200.00			
TT2 (US)			

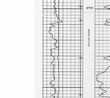
5 cm



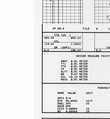










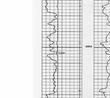






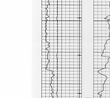


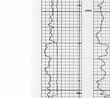






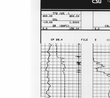






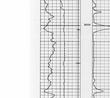


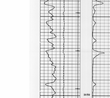


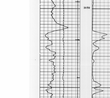




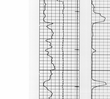


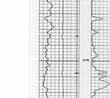


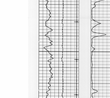






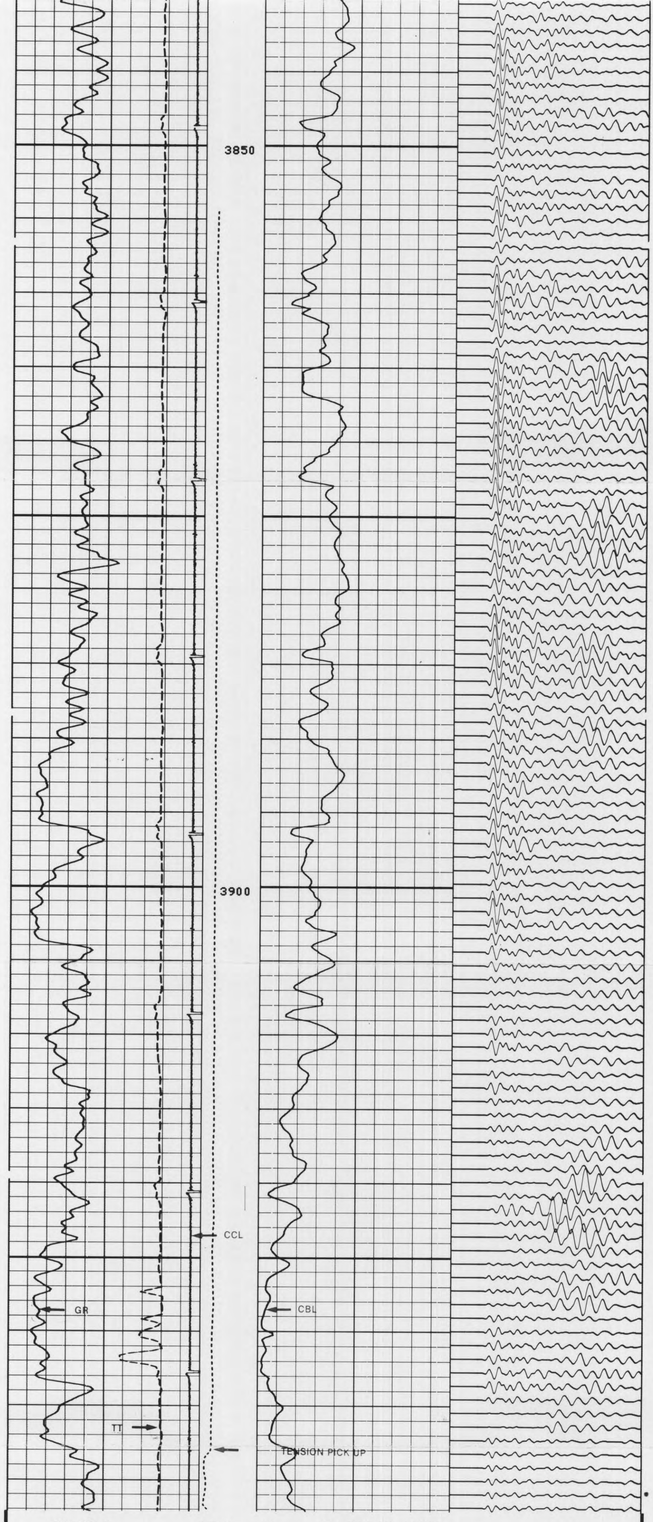












CP 28.4 FILE 8 13-FEB-86 03:55
DATA ACQUIRED 13-FEB-86 02:30

0.0 150.00 GR (GAPI)	0.0 100.00 CBL (MV)	200.00 1200.0 WF (US)
-19.00 1.0000 CCL		
400.00 200.00 TT2 (US)		

5 cm

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 11-MAR-86 20:47
PROGRAM FILE: CBS (VERSION 28.4 85/11/11)

SGTE DETECTOR CALIBRATION SUMMARY

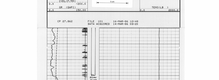
	MEASURED BKGD	JIG	CALIBRATED	UNITS
GR	3	151	165	GAPI

CP 28.4 FILE 2 11-MAR-86 20:47





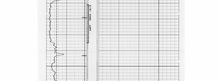




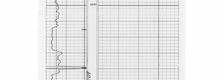


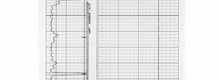






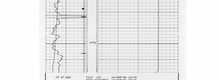


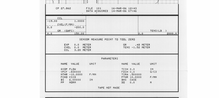








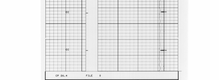








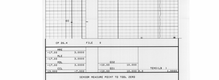






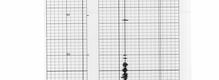


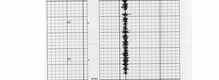


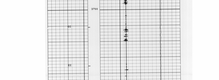




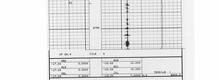


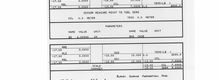


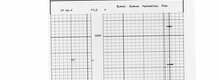


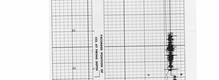


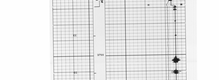




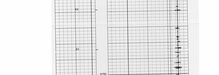


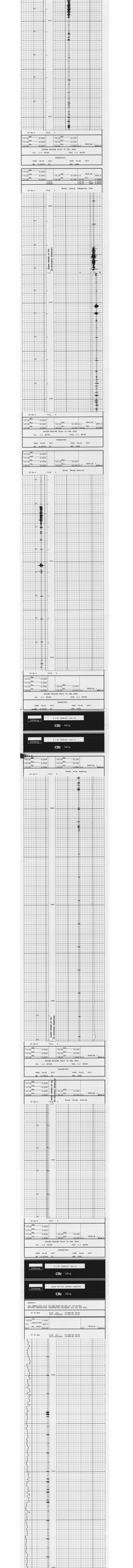


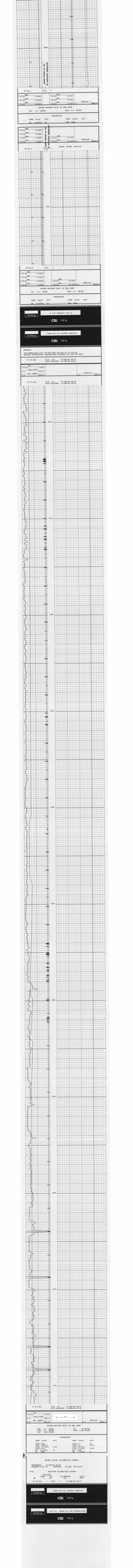


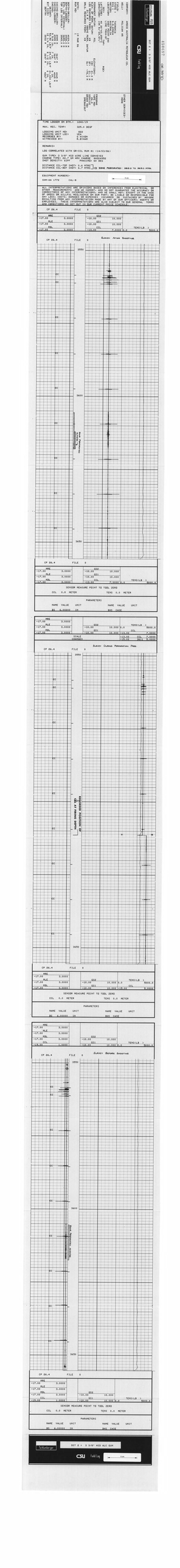












CSU
Fielding
Schlumberger
Surface Area Resistivity
Surface Outside Perimeter Peak
Surface Between Electrodes
Surface Resistivity (Ω-M)
SENSOR MEASURE POINT TO TOOL ZERO
PARAMETERS

CAUTION: THIS PRINT MAY BE A COMPOSITE OF MANY PRINTS. THE ORIGINAL MAY BE OBTAINED FROM THE COMPANY.

Schlumberger
CSU
Field Log
DO NOT FOLD

WELL NAME: TEST:	10-A WELL
LOGGING UNIT NO:	2
LOGGING UNIT:	CSU
LOGGING DATE:	10-JUL-1990
WITNESSED BY:	J.MARCINO

REMARKS:

DEPTH CORRELATED WITH CBL/VDL/GR-CCL RUN #2 (10/10/90)

DISTANCE CCL-TOP SHOT: 2.4 METER
DISTANCE CCL-BOT SHOT: 2.4 METER
SHOT DENSITY: 4 SHOT/FOOT

INTERVAL PERFORATED: 9650.0 TO 9680.0 METER
SHOT DENSITY: 4 SHOT/FOOT

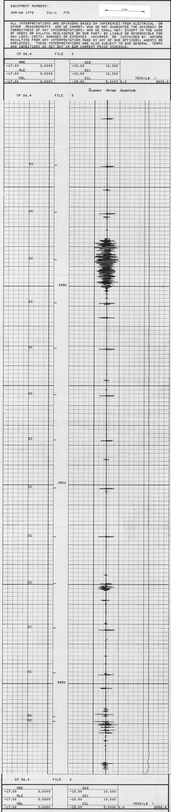
EQUIPMENT NUMBERS:
DIM-AA 1770 CCL-L 770

THIS DATA IS PRELIMINARY AND MAY BE SUBJECT TO REVISION. THE INTERPRETATIONS AND ESTIMATES CONTAINED HEREIN ARE BASED ON THE INFORMATION AVAILABLE TO SCHLUMBERGER AT THE TIME OF THE JOB. WELL SERVICE DO NOT WARRANT THE ACCURACY OR REPRESENTATIVE NATURE OF THE DATA PRESENTED. WELL SERVICE DO NOT WARRANT THE EFFICACY OF ANY MATERIAL OR EQUIPMENT RELATING TO THE JOB. INTERPRETATIONS MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES ARE OPINIONS BASED UPON INFERENCES FROM SUCH DATA AS WE HAVE AVAILABLE, AND WE ASSUME NO RESPONSIBILITY FOR THE USE OR ABUSE OF THESE OPINIONS BY OTHERS.

CP 26.4 FILE 0

10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000	TENSLE 1	0000.0

Sumar Annal Snapshot



CP 26.4 FILE 0

10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000	TENSLE 1	0000.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

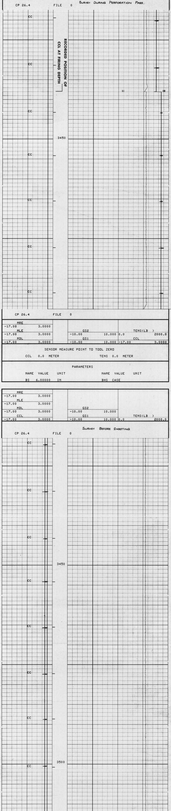
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	0.00000	IN	BHC	10.000	

CP 26.4 FILE 0

10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000	TENSLE 1	0000.0

Sumar Sumar Presentation Plan



CP 26.4 FILE 0

10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000	TENSLE 1	0000.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

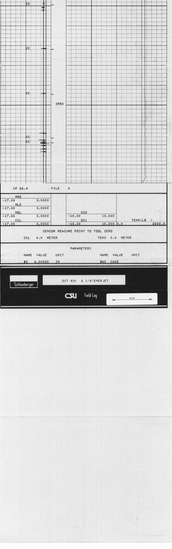
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	0.00000	IN	BHC	10.000	

CP 26.4 FILE 0

10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000	TENSLE 1	0000.0

Sumar Sumar Sensor Snapshot



CP 26.4 FILE 0

10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000		
10-JUL-90	0.0000	000	10.000	TENSLE 1	0000.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	0.00000	IN	BHC	10.000	

Schlumberger
DO NOT FOLD AT 0.0 CM/SECONDS
CSU Field Log
DO NOT FOLD

























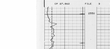


























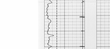




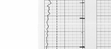
















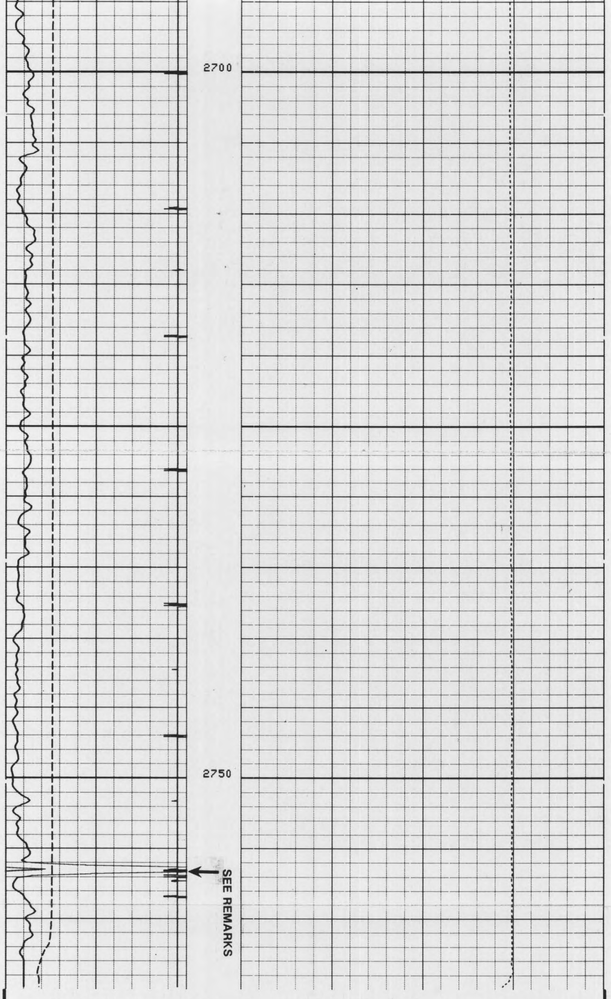












CP 27.862 FILE 1 29-MAR-86 09:37

CCL			
-19.00	1.0000		
CVEL(F/MN)			
0.0	-200.0		
GR (GAPI)			TENS(LB)
0.0	150.00		0.0 5000.0

SENSOR MEASURE POINT TO TOOL ZERO

EXP	0.0 METER	GR	.48 METER
CVEL	0.0 METER	TENS	-1.52 METER
CCL	3.20 METER		

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
QIOP	FLOW		TCSH	0.0	IN
VPCF	.830000		FDSH	0.0	G/C3
MTHR	-10.0000	F/MN	TIRA	.500000	
FCHD	CSID		PTHR	10.0000	F/MN
BS	12.2500	IN	BHS	CASE	

Schlumberger

DST #5: GR-CCL CORRELATION RUN #1

CSU Field Log

Schlumberger

BEFORE SURVEY CALIBRATION

CSU Field Log

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 29-MAR-86 08:16
PROGRAM FILE: PL (VERSION 27.862 85/12/04)

ATTB DETECTOR CALIBRATION SUMMARY

	MEASURED BKGD	JIG	CALIBRATED	UNITS
GR	5	133	135	GAPI

CP 27.862 FILE 0 29-MAR-86 08:16

Schlumberger

BEFORE SURVEY CALIBRATION

CSU Field Log

Schlumberger

DST #5: TCP GAMMA RAY CORRELATION

CSU Field Log

5 cm

DATE:	1 APR 86	COMPANY:	AMOCO AUSTRALIA PETROLEUM CO.
RUN NO:	0	WELL:	PELICAN #5
DEPTH-DRILLER:	2857.5 M	FIELD:	
DEPTH-LOGGER:	2859.5 M	STATE:	TASMANIA
BTM. LOG INTERVAL:	2859.5 M	COUNTRY:	AUSTRALIA
TOP LOG INTERVAL:	2800.0 M	LOCATION:	
CASING-DRILLER:	9 5/8" @ 2857.5 M	LATITUDE:	40° 20' 43.259"S
CASING-LOGGER:	9 5/8" @ 2857.5 M	LONGITUDE:	148° 51' 49.697"E
BIT SIZE:	8 1/2"	LINE TENSION:	1240 LBF
TYPE FLUID:	SEAWATER		
DENSITY:	8.9 LB/G		
VISCOSITY:	40 S		
PH:	9.0		
FLUID LOSS:	3.6 C3		
SOURCE:	MUD PIT		
RM @ MEAS. TEMP:	0.2 @ 30.0 DEGC		
RMF @ MEAS. TEMP:	0.2 @ 30.0 DEGC		
RMC @ MEAS. TEMP:	0.2 @ 30.0 DEGC		
SOURCE RMF:	MEASURED		
SOURCE RMC:	MEASURED		
RM @ BHT:	0.1 @ 80.0 DEGC		
TIME SINCE CIRC:	12.5 HR.		
TIME ON BOTTOM:	10:30 HR.		
MAX. REC. TEMP:	270.0 DEGF		
EQUIP. LOCATION:	822		
RECORDED BY:	VEA		
WITNESSED BY:	G HIXON		
	J HARKINS		

PERM. DATUM:	MSL	ELEVATIONS:	
ELEV.:	0 M	K.B.:	21.4 M
LOG MEAS. FROM:	KB	D.F.:	20.4 M
DRL. MEASURED FROM:	KB	G.L.:	-270.3 M

RUN NO.:	ONE	OTHER SERVICES:	
PASS NO.:	1		PL 83
TYPE LOG:	MAIN		
DEPTH:	2856.4 M		
TOP LOG INTERVAL:	2800.0 M		
BOTTOM LOG INTERVAL:	2859.5 M		
LOG SPEED:	1800 F/HR		
DEPTH CONTROL:	DRILLERS		

DST 5A : 2 1/8 ENERJET RUN 01

CSU Field Log

Schlumberger

ENCORE P&S

MAX. REC. TEMP: 270.0 DEGF

LOGGING UNIT NO: 822
LOGGING UNIT LOC: VEA
RECORDED BY: G HIXON
WITNESSED BY: J HARKINS

REMARKS:

DEPTH CORRELATED WITH CBL-VDL-GR-CCL RUN 02 (12/02/86)

GUN TYPE: 2 1/8" ENERJET PHASE: ZERO
SHOT DENSITY: 4SPF

DISTANCE CCL TO TOP SHOT: 1.4 MTRS
DISTANCE CCL TO BOT SHOT: 6.9 MTRS
CCL STOPPED AT: 2852.1 MTRS

INTERVAL PERFORATED: 2853.5 TO 2859.0 MTRS

5 cm

EQUIPMENT NUMBERS-

SHM-AA 1772 CCL-L 770 MPD-H 2883

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 WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

CP 26.4 FILE 0
DATA ACQUIRED 00- -00 00:00

MRE -17.00 3.0000
MLE -17.00 3.0000
MBL -17.00 3.0000

GS2 -10.00 10.000
GS1 -10.00 10.000

TENS(LB) 0.0 2000.0
CCL -15.00 5.0000
-17.00 3.0000

SCALE CHANGES

SURVEY DURING PERFORATION PASS.

CP 26.4 FILE 0

CC

2850

RECORDED POSITION OF CCL AT FIRING DEPTH

CC

CC

CC

CP 26.4 FILE 0

MRE -17.00 3.0000
MLE -17.00 3.0000
MBL -17.00 3.0000

GS2 -10.00 10.000
GS1 -10.00 10.000

TENS(LB) 0.0 2000.0
CCL -17.00 3.0000

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	12.2500	IN	BHS	CASE	

MRE -17.00 3.0000
MLE -17.00 3.0000
MBL -17.00 3.0000

GS2 -10.00 10.000
GS1 -10.00 10.000

TENS(LB) 0.0 2000.0
CCL -17.00 3.0000

SURVEY BEFORE SHOOTING

CP 26.4 FILE 0

CC

2850

CC

CC

CC

CP 26.4 FILE 0

MRE -17.00 3.0000
MLE -17.00 3.0000
MBL -17.00 3.0000

GS2 -10.00 10.000
GS1 -10.00 10.000

TENS(LB) 0.0 2000.0
CCL -17.00 3.0000

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

PARAMETERS

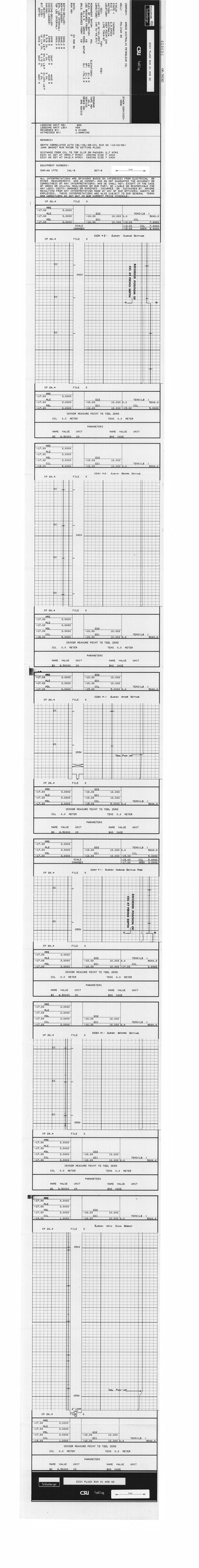
NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	12.2500	IN	BHS	CASE	

DST 5A : 2 1/8 ENERJET RUN 01

Schlumberger

CSU Field Log

5 cm


CSU
Field Log
EDDY PLUGS RUN #1 AND #2
Number
Date
Time
Logging Unit HQ:
Logging Unit Loc:
Recorded By:
Witnessed By:
Remarks:
Equipment Numbers:
Sonde 1772
CAL-3
BIT-3
Cable
Tool Type
Tool Size
Fluid Type
Fluid Density
Fluid Level
Max Rec Temp
Max Rec Press
Rig Time
Circ Stop Time
Logger on Bottom
Max Temp
Equip. Location
Rec. Mode
Rec. No.
Run No.
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density / Viscosity
pH / Fluid Loss
Source of Sample
Rm @ Meas. Temp
Rmf @ Meas. Temp
Rmc @ Meas. Temp
Source Rmf / Rmc
Rm @ BHT
Time Since Circ.
Max. Rec. Temp.
Equip. Location
Recorded By
Witnessed By
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Type Fluid in Hole
Density / Viscosity

Schlumberger

6200 PLUS RUN 03 AND 04

CSU Field Log

COMPANY: ARROW AUSTRALIA PETROLEUM CO. 48462
WELL: PELICAN #5
FIELD:
LOCATION: TECHNICAL
SEC-TWP-RGE: SUB-SURFACE
API NO.: SURFACE LOCATION
LOCATION: 1980' FROM E SHORE
1980' FROM S SHORE
PERMANENT DATUM: MSL ELEVATIONS:
LOG MEASURED FROM: KB 25.4 M
25.4 M ABOVE PERM. DATUM
DRILL MEASURED FROM: KB

OTHER SERVICES: NONE

PROGRAM
RUN NO.
DATE
CSU NO.
DEPTH DRILLER
DEPTH LOGGER

DATE: 24 MAR 86
CSU: SB 7/A

DEPTH-DRILLER: 3412.0 M
DEPTH-LOGGER: 3412.0 M
TOP LOG INTERVAL: 3100.0 M
BOTTOM LOG INTERVAL: 3410.0 M
CASING-DRILLER: 339.8 M 12417 M 406.4 M
CASING-LOGGER: 339.8 M 12417 M 406.4 M
BIT SIZE: 311.1 MM 215.9 MM 8.5 IN
TYPE FLUID: SPUD MUD LSND
DENSITY: 1.14 KG/M3 1.14 KG/M3
VISCOSITY: 40 CP 40 CP
PH: 9.5 9.5
FLUID LOSS: 10 C3 10 C3
SOURCE OF SAMPLE: CIRCULATED CIRCULATED
RM @ MEAS. TEMP.: 0.72 @ 23 C 0.72 @ 23 C
RMF @ MEAS. TEMP.: 0.53 @ 23 C 0.53 @ 23 C
RMC @ MEAS. TEMP.: 0.96 @ 23 C 0.96 @ 23 C
SOURCE RMF: MEASURED MEASURED
SOURCE RMC: MEASURED MEASURED
RM @ BHT: 0.39 @ 97 C 0.39 @ 97 C
TIME SINCE CIRC.: 5 HRS 5 HRS
MAX. REC. TEMP.: 97 C 97 C
EQUIPMENT NUMBER: 5CAL-HA 1772 CAL-B BIT-B
LOCATION: 5CAL-HA 1772 CAL-B BIT-B
RECORDED BY: M.HOUSE
WITNESSED BY: J.HARDING

REMARKS:
DEPTH CORRELATED WITH CSL/GP-GR-CCL RUN #2 (12/03/86)
RUN #1 - 311mm OPEN HOLE TO 339.8m
RUN #2 - 215.9mm OPEN HOLE TO 3412m
RUN #4 SET @ 3412.5 WIRE ENDED 1132 B.H.T 100C

DSN-HA 1772 CAL-B BIT-B

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 BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. ANY INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE AND SCHEDULE OF RATES.

CP 26.4 FILE 6

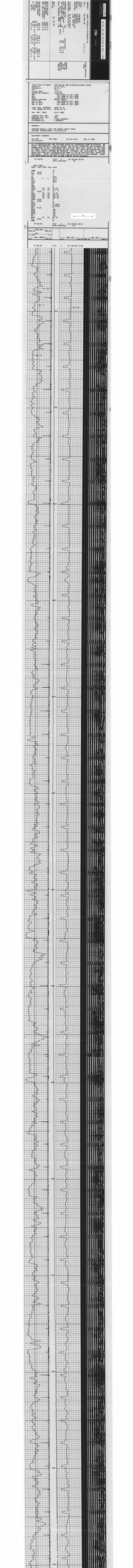
MNE 0.0000
CAL 0.0000
CAL 0.0000
RAT 0.0000

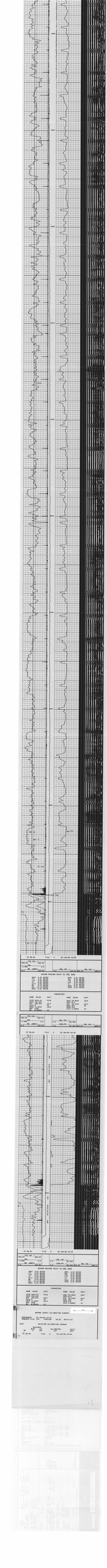
CCL 0.0000
810 10.000
811 10.000
CCL 0.0000

TENS/LB 0.0000
TENS/LB 0.0000

6200 PLUS RUN 03 AND 04

CSU Field Log



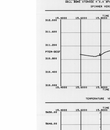


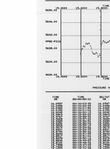










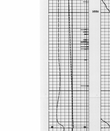






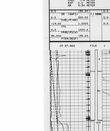




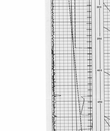








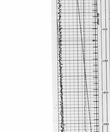


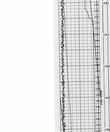


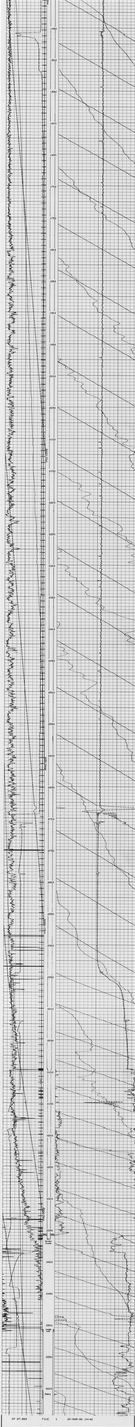












1.0	0.0	PRE-TRIGG	0.0000
2.0	0.0	PRE-DELAY	100.00
3.0	0.0	POST-DELAY	15.000
4.0	0.0		
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		

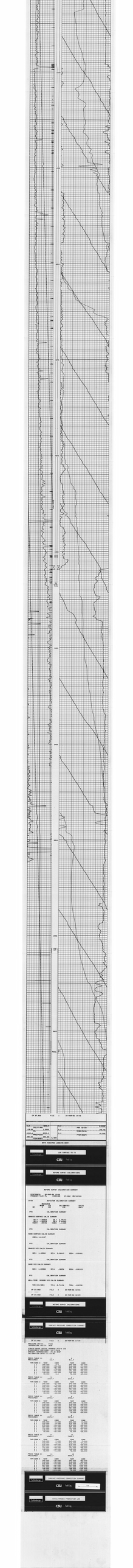
DATA ACQUIRED LOGGING BANK

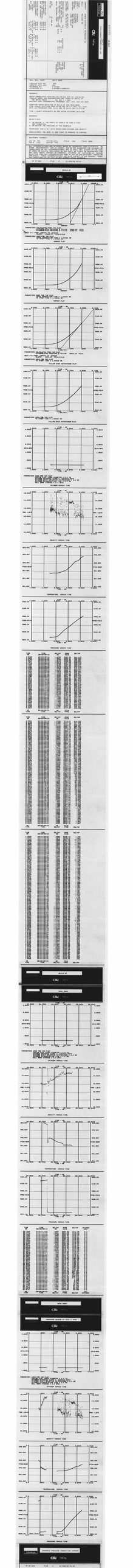
PARAMETERS

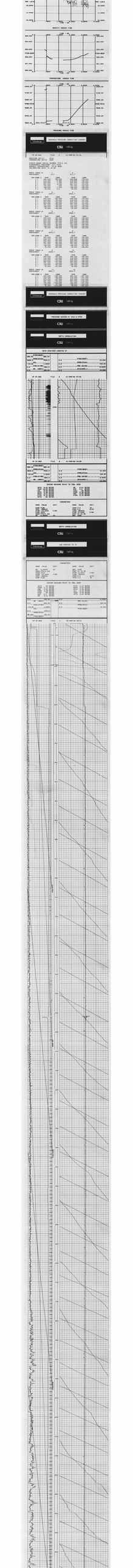
NAME	VALUE	UNIT	NAME	VALUE	UNIT
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

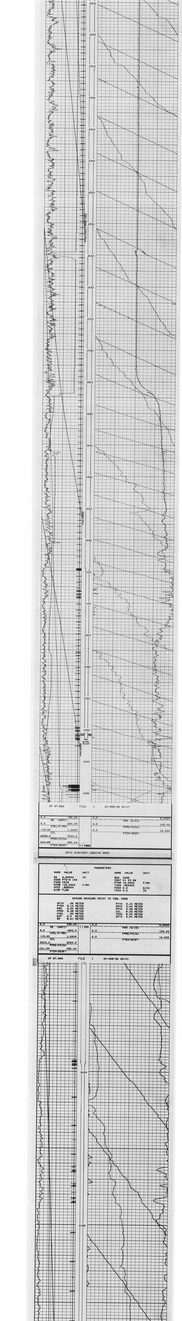


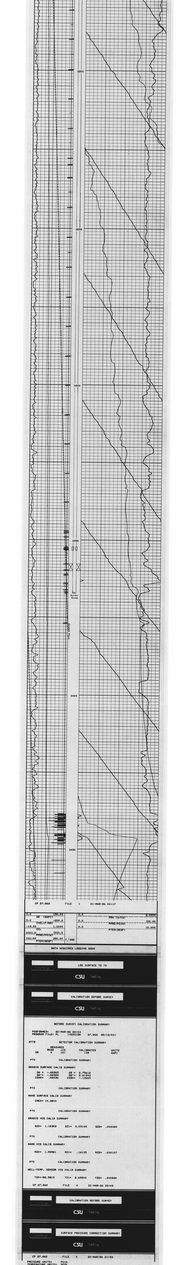
1.0	0.0	PRE-TRIGG	0.0000
2.0	0.0	PRE-DELAY	100.00
3.0	0.0	POST-DELAY	15.000
4.0	0.0		
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		











0.0	150.00	0.0	2.0000
GR (GAPI)		PRH (G/C3)	
0.0	-200.0	0.0	100.00
CVEL(F/MN)		PPRE(PSIA)	
-19.00	1.0000	0.0	10.000
CCL		PTEM(DEGF)	
6000.0	7000.0		
PPRE(PSIA)			
250.00	350.00	1 / 200	
PTEM(DEGF)			

DATA ACQUIRED LOGGING DOWN

Schlumberger

LOG SURFACE TO TD

CSU Field Log

Schlumberger

CALIBRATION BEFORE SURVEY

CSU Field Log

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 20-MAR-86 22:03
PROGRAM FILE: PL (VERSION 27.862 85/12/04)

ATTB DETECTOR CALIBRATION SUMMARY

	MEASURED BKGD	JIG	CALIBRATED	UNITS
GR	4	121	135	GAPI

PTS CALIBRATION SUMMARY

GRADIO SURFACE CALIB SUMMARY

GA = -.00565 GB = 2.75612
GA*= -.00589 GB*= 2.61943
CGA0= .00036 CGB0= -.13669

PTS CALIBRATION SUMMARY

MAND SURFACE CALIB SUMMARY

CME0= 14.3810

PTS CALIBRATION SUMMARY

GRADIO VCO CALIB SUMMARY

GZ0= 1.10302 GZ1= 3.09145 GZ2= .000424

PTS CALIBRATION SUMMARY

MAND VCO CALIB SUMMARY

MZ0= 1.93921 MZ1= .16135 MZ2= .000107

PTS CALIBRATION SUMMARY

WELL-TEMP. SENSOR VCO CALIB SUMMARY

TZ0=-82.9819 TZ1= 2.69543 TZ2= .000830

CP 27.862 FILE 0 20-MAR-86 22:02

Schlumberger

CALIBRATION BEFORE SURVEY

CSU Field Log

Schlumberger

SURFACE PRESSURE CORRECTION SUMMARY

CSU Field Log

CP 27.862 FILE 0 20-MAR-86 21:53

PRESSURE UNITS: PSIA
TEMPERATURE UNITS: DEGF

STRAIN GAUGE SERIAL NUMBER: PTS-A 106
ATMOSPHERIC PRESSURE: 14.7 PSIA
AMBIENT TEMPERATURE: 72.30 DEGF
CALIBRATION DATE: 01 03 86

PRESS TABLE 0: 1 2
PRESSURES: 14.7 511.7

TMP/CORR 0	TEMP	CORR	TEMP	CORR
1	340.000	0.0	340.000	-27.000
2	312.000	-53.000	312.000	-71.000
3	270.000	-80.000	270.000	-93.000
4	227.000	-75.000	227.000	-89.000
5	191.000	-66.000	191.000	-83.000
6	148.000	-49.000	148.000	-68.000
7	72.000	0.0	72.000	-29.000

PRESS TABLE 0: 3 4
PRESSURES: 1007.7 2000.7

TMP/CORR 0	TEMP	CORR	TEMP	CORR
1	340.000	-37.000	340.000	-35.000
2	312.000	-75.000	312.000	-63.000
3	270.000	-95.000	270.000	-82.000
4	227.000	-92.000	227.000	-80.000
5	191.000	-87.000	191.000	-76.000
6	148.000	-75.000	148.000	-69.000
7	72.000	-42.000	72.000	-45.000

PRESS TABLE 0: 5 6
PRESSURES: 2993.7 3986.7

TMP/CORR 0	TEMP	CORR	TEMP	CORR
1	340.000	-19.000	340.000	-2.000
2	312.000	-42.000	312.000	-22.000
3	270.000	-59.000	270.000	-39.000
4	227.000	-58.000	227.000	-39.000
5	191.000	-58.000	191.000	-41.000
6	148.000	-53.000	148.000	-38.000
7	72.000	-35.000	72.000	-24.000

PRESS TABLE 0: 7 8
PRESSURES: 4979.7 5972.7

TMP/CORR 0	TEMP	CORR	TEMP	CORR
1	340.000	10.000	340.000	13.000
2	312.000	-8.000	312.000	-2.000
3	270.000	-26.000	270.000	-22.000
4	227.000	-27.000	227.000	-23.000
5	191.000	-30.000	191.000	-29.000
6	148.000	-30.000	148.000	-31.000
7	72.000	-20.000	72.000	-25.000

PRESS TABLE 0: 9 10
PRESSURES: 6965.7 7958.7

TMP/CORR 0	TEMP	CORR	TEMP	CORR
1	340.000	7.000	340.000	-9.000
2	312.000	-9.000	312.000	-24.000
3	270.000	-28.000	270.000	-45.000
4	227.000	-31.000	227.000	-50.000
5	191.000	-38.000	191.000	-58.000
6	148.000	-42.000	148.000	-65.000
7	72.000	-41.000	72.000	-66.000

PRESS TABLE 0: 11 12
PRESSURES: 8951.7 9944.7

TMP/CORR 0	TEMP	CORR	TEMP	CORR
1	340.000	-36.000	340.000	-83.000
2	312.000	-50.000	312.000	-89.000
3	270.000	-74.000	270.000	-114.000
4	227.000	-80.000	227.000	-120.000
5	191.000	-90.000	191.000	-133.000
6	148.000	-98.000	148.000	-145.000
7	72.000	-103.000	72.000	-151.000

Schlumberger

SURFACE PRESSURE CORRECTION SUMMARY

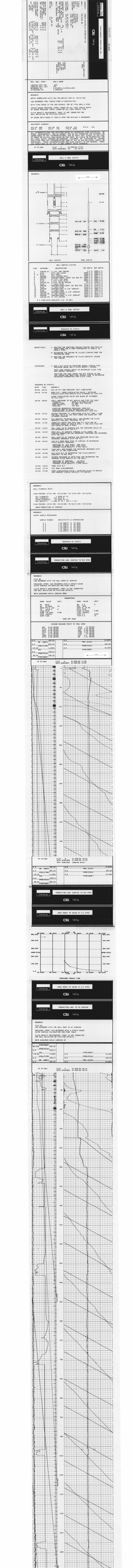
CSU Field Log

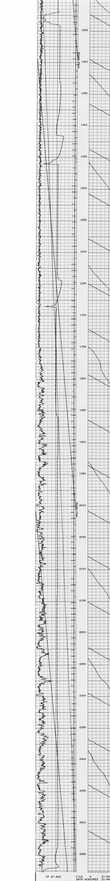
5 cm

Schlumberger

SIMILTANEOUS PRODUCTION LOG

CSU Field Log



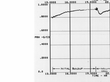


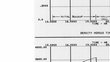


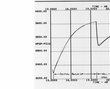




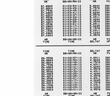


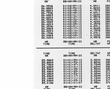


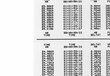








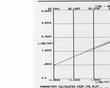




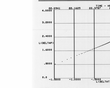




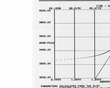


















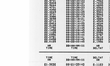












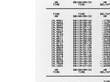


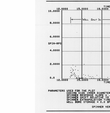


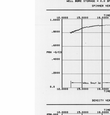


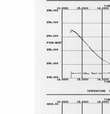






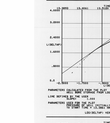


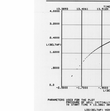


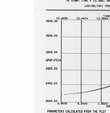








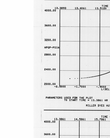


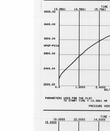


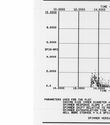


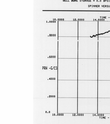


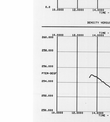


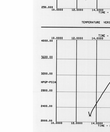


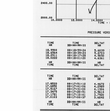


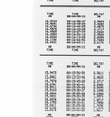








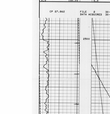


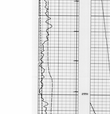


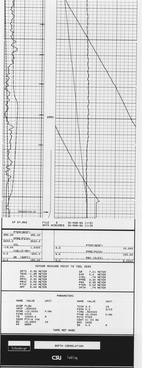






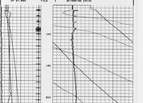


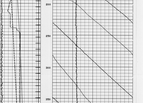


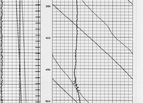


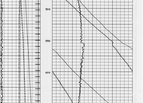


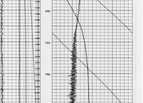


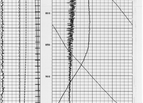


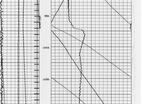


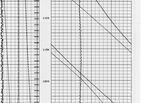


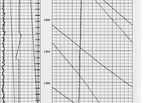


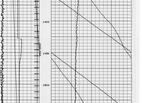


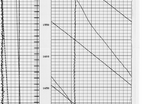


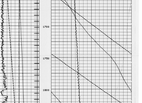


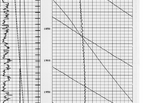


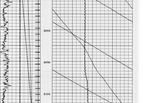


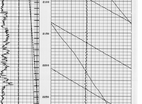


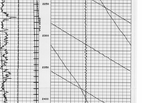


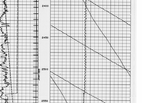








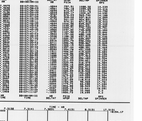


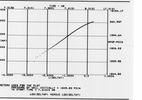


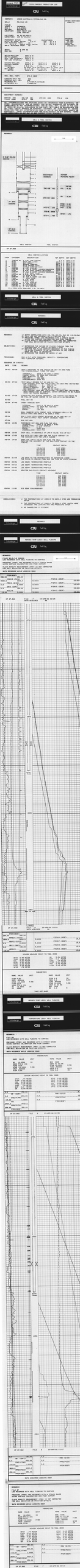


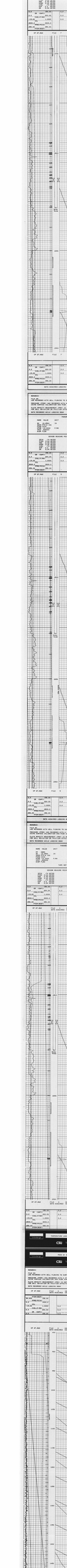




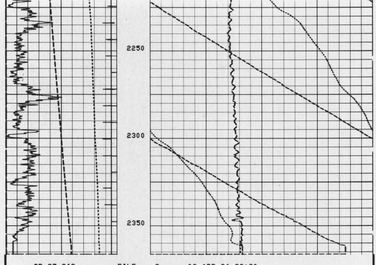












CP 27.862 FILE 2 08-APR-86 22:20
DATA ACQUIRED 08-APR-86 18:43

PTEM(DEGF)			
150.00	250.00		
PPRE(PSIA)			
1000.0	2000.0		
CCL		PTEM(DEGF)	
-19.00	1.0000	0.0	10.000
CVEL(F/MN)		PPRE(PSIA)	
0.0	200.00	0.0	100.00
GR (GAPI)		PRH (G/C3)	
0.0	150.00	0.0	2.0000

SENSOR MEASURE POINT TO TOOL ZERO

SPTS	2.92 METER	GR	5.54 METER
TEMS	-1.05 METER	EXP	0.0 METER
CCL	0.26 METER	CVEL	.74 METER
PPVC	3.30 METER	PPRE	3.30 METER
PRVC	2.92 METER	PRH	2.92 METER
PTVC	3.02 METER	PTEM	3.02 METER
SPIN	.74 METER		

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
QIDP	FLOW		TCSH	0.0	IN
VPCF	.030000		FDSH	0.0	G/C3
NTHR	-10.0000	F/MN	TIRA	.500000	
FCHD	CSID		PTHR	10.0000	F/MN
SGSN	PTS-A 106		CDAT	01 03 86	
BS	12.2500	IN	BHS	CASE	
PP	NORM		DD	8.00000	M

TAPE NOT MADE

Schlumberger

PASS 1: UP LOG

CSU Field Log

Schlumberger

SURFACE PRESSURE CORRECTION SUMMARY

CSU Field Log

CP 27.862 FILE 0 08-APR-86 22:15

PRESSURE UNITS: PSIA
TEMPERATURE UNITS: DEGF

STRAIN GAUGE SERIAL NUMBER: PTS-A 106
ATMOSPHERIC PRESSURE: 14.7 PSIA
AMBIENT TEMPERATURE: 72.30 DEGF
CALIBRATION DATE: 01 03 86

PRESS TABLE #: 1 2
PRESSURES: 0 14.7 511.7

TMP/CORR #	TEMP	CORR	TEMP	CORR
1 :	340.000	0.0	340.000	-27.000
2 :	312.000	-53.000	312.000	-71.000
3 :	279.000	-80.000	279.000	-93.000
4 :	227.000	-75.000	227.000	-89.000
5 :	191.000	-66.000	191.000	-83.000
6 :	148.000	-49.000	148.000	-68.000
7 :	72.000	0.0	72.000	-29.000

PRESS TABLE #: 3 4
PRESSURES: 1007.7 2000.7

TMP/CORR #	TEMP	CORR	TEMP	CORR
1 :	340.000	-37.000	340.000	-35.000
2 :	312.000	-75.000	312.000	-63.000
3 :	279.000	-95.000	279.000	-82.000
4 :	227.000	-92.000	227.000	-80.000
5 :	191.000	-87.000	191.000	-76.000
6 :	148.000	-75.000	148.000	-69.000
7 :	72.000	-48.000	72.000	-45.000

PRESS TABLE #: 5 6
PRESSURES: 2993.7 3986.7

TMP/CORR #	TEMP	CORR	TEMP	CORR
1 :	340.000	-19.000	340.000	-2.000
2 :	312.000	-48.000	312.000	-28.000
3 :	279.000	-59.000	279.000	-39.000
4 :	227.000	-58.000	227.000	-39.000
5 :	191.000	-58.000	191.000	-41.000
6 :	148.000	-53.000	148.000	-38.000
7 :	72.000	-35.000	72.000	-24.000

PRESS TABLE #: 7 8
PRESSURES: 4979.7 5972.7

TMP/CORR #	TEMP	CORR	TEMP	CORR
1 :	340.000	10.000	340.000	13.000
2 :	312.000	-8.000	312.000	-5.000
3 :	279.000	-26.000	279.000	-22.000
4 :	227.000	-27.000	227.000	-23.000
5 :	191.000	-30.000	191.000	-29.000
6 :	148.000	-30.000	148.000	-31.000
7 :	72.000	-20.000	72.000	-25.000

PRESS TABLE #: 9 10
PRESSURES: 6965.7 7958.7

TMP/CORR #	TEMP	CORR	TEMP	CORR
1 :	340.000	7.000	340.000	-9.000
2 :	312.000	-8.000	312.000	-24.000
3 :	279.000	-28.000	279.000	-45.000
4 :	227.000	-31.000	227.000	-55.000
5 :	191.000	-38.000	191.000	-58.000
6 :	148.000	-42.000	148.000	-65.000
7 :	72.000	-41.000	72.000	-66.000

PRESS TABLE #: 11 12
PRESSURES: 8951.7 9944.7

TMP/CORR #	TEMP	CORR	TEMP	CORR
1 :	340.000	-36.000	340.000	-83.000
2 :	312.000	-56.000	312.000	-89.000
3 :	279.000	-74.000	279.000	-114.000
4 :	227.000	-80.000	227.000	-126.000
5 :	191.000	-90.000	191.000	-133.000
6 :	148.000	-98.000	148.000	-145.000
7 :	72.000	-103.000	72.000	-151.000

Schlumberger

SURFACE PRESSURE CORRECTION SUMMARY

CSU Field Log

Schlumberger

BEFORE SURVEY CALIBRATION

CSU Field Log

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 08-APR-86 16:58
PROGRAM FILE: PL <VERSION 27.062 85/12/04>

ATTB DETECTOR CALIBRATION SUMMARY

	MEASURED			
	BKGD	JIG	CALIBRATED	UNITS
GR	4	122	135	GAPI

PTS CALIBRATION SUMMARY

GRADIO SURFACE CALIB SUMMARY

GA = -.00562 GB = 2.74377
GA'= -.00501 GB'= 2.38782
CGAR= .00061 CGBR= -.35656

PTS CALIBRATION SUMMARY

5 cm

MAMD SURFACE CALIB SUMMARY

CME0= 16.6570

PTS CALIBRATION SUMMARY

GRADIO VCD CALIB SUMMARY

GZ0= 1.08707 GZ1= 3.04831 GZ2= .000406

PTS CALIBRATION SUMMARY

MAMD VCD CALIB SUMMARY

MZ0= 1.79477 MZ1= .16336 MZ2= .000098

PTS CALIBRATION SUMMARY

WELL-TEMP. SENSOR VCD CALIB SUMMARY

TZ0=-82.7669 TZ1= 2.69141 TZ2= .000849

CP 27.862 FILE 0 08-APR-86 16:58

Schlumberger

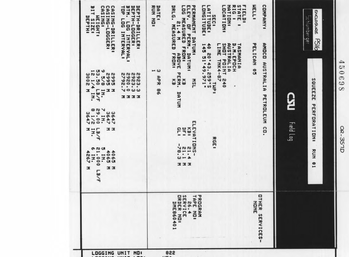
BEFORE SURVEY CALIBRATION

CSU Field Log

Schlumberger

SIMULTANEOUS PRODUCTION LOG

CSU Field Log



LOGGING UNIT NO: 822
LOGGING ENG'R: VIC
RECORDED BY: G.HIGGS
WITNESSED BY: J. HARKINS

REMARKS:

DEPTH CORRELATED WITH CBL-VDL-GR-CCL RUN #2 (12/02/96)

DISTANCE CCL TO TOP SHOT: 1.4 MTRS
DISTANCE CCL TO BOT SHOT: 3.4 MTRS
CCL STOPPED AT: 2957.6 MTRS

INTERVAL PERFORATED: 2911.0 TO 2913.0 MTRS
GUN TYPE: 2 1/8" HSD 4 SPF 90 DEG PHASING; 12SPF
PHASE: 120 DEG GUN TYPE: 5" O.D. WIRELINE CONVEYED

EQUIPMENT NUMBERS:

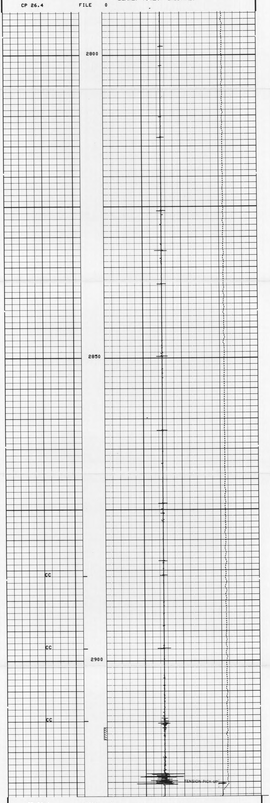
SNM-AA 1772 CAL-9

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 INTERPRETATION, 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 INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

CP 26.4 FILE 0
DATA ACQUIRED 00- -00 00:00

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

Survey After Shooting.



CP 26.4 FILE 0

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	12.6250	IN	BHS	CASE	

CP 26.4 FILE 0

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

PARAMETERS

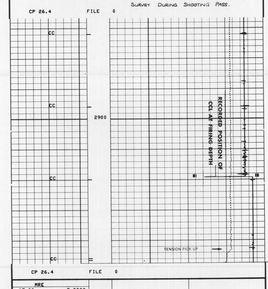
NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	12.6250	IN	BHS	CASE	

CP 26.4 FILE 0

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

SCALE CHANGES: 15.00 CCL 9.0000
17.00 9999 9.0000

Survey During Shooting Phase.



CP 26.4 FILE 0

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 0.0 METER TENS 0.0 METER

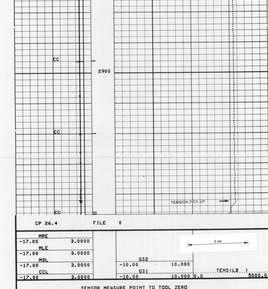
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	12.6250	IN	BHS	CASE	

CP 26.4 FILE 0

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

Survey Before Shooting.



CP 26.4 FILE 0

MRE		GS2		
-17.00	3.0000	-18.00	10.000	
MLE		GS1		
-17.00	3.0000	-18.00	10.000	
MRL		CCL		TENS(LB)
-17.00	3.0000	-18.00	9.0000 9.0	9999.0

SENSOR MEASURE POINT TO TOOL ZERO
CCL 9.0 METER TENS 9.0 METER