ENCLOSURE PS14

450696

OR-35D

Schlumberger

SIMILTANEOUS PRODUCTION LOG

CSU Field Log

COMPANY: AMOCO AUSTRALIA PETROLEUM CO.

WELL: PELICAN #5

OTHER SERVICES- NONE

FIELD:
STATE : TASMANIA
RIG : D.M.EPOCH
NATION: AUSTRALIA
LOCATION: SHOT POINT 240
LINE TNK4-87

LATITUDE: 40 20'43.259"S
LONGITUDE: 145 51'49.971"

PERMANENT DATUM: MSL
ELEV. OF PERM. DATUM: 0.0 M
LOG MEASURED FROM: KB
21.4 M ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 21.4 M
DF: 21.1 M
GL: -78.3 M

PROGRAM
TAPE NO:
27.862
SERVICE
ORDER NO:
DME860314

DATE: 29 MAR 86
RUN NO: 3,4

DEPTH-DRILLER:	2923.3 M		
DEPTH-LOGGER:	2923.3 M		
BTM. LOG INTERVAL:	2579.5 M		
TOP LOG INTERVAL:	0.0 M		
CASING-DRILLER:	2995.0 M	3647.0 M	4065.0 M
CASING-LOGGER:	2995.0 M	3647.0 M	4065.0 M
CASING:	9 5/8 IN.	7 IN.	5 IN.
WEIGHT:	53.5000 LB/F	29.0000 LB/F	21.0000 LB/F
BIT SIZE:	12 1/4 IN.	8 1/2 IN.	6 IN.
DEPTH:	3002.2 M	3647.0 M	4267.0 M

MAX. REC. TEMP: 254.0 DEGF

LOGGING UNIT NO: 822
LOGGING UNIT LOC: VEA
RECORDED BY: G.HIXON/J.A.MCCULLAGH
WITNESSED BY: J.HARKINS

REMARKS:

DEPTH CORRELATED WITH CBL-VDL-GR-CCL RUN #1 (30/01/86)

LOG RECORDED THRU TUBING FROM A FLOATING RIG

OTIS FISH FOUND IN THE SRO NIPPLE: TOP OF FISH 2581.4 MTRS

STRAIN GAUGE PRESSURE (PPRE) SHOWN ON ALL LOGS VERSUS DEPTH
HP GAUGE PRESSURE (HPGP) SHOWN ON ALL LOGS VERSUS TIME

FLUID DENSITY MEASUREMENT (PRH) IS NOT CORRECTED FOR WELL DEVIATION OR FRICTION EFFECTS

HP GAUGE POSITIONED AT 2569.5 MTRS FOR BUILDUP & DRAWDOWNS

EQUIPMENT NUMBERS-

ATC-CB	228	CAL-UB	481	ATM-AA	444	PTS-A	106
HMS-B	243	CFS-F	754	TTG-B	2832		

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 27.862 FILE 0 31-MAR-86 17:51
DATA ACQUIRED 00- -00 00:00

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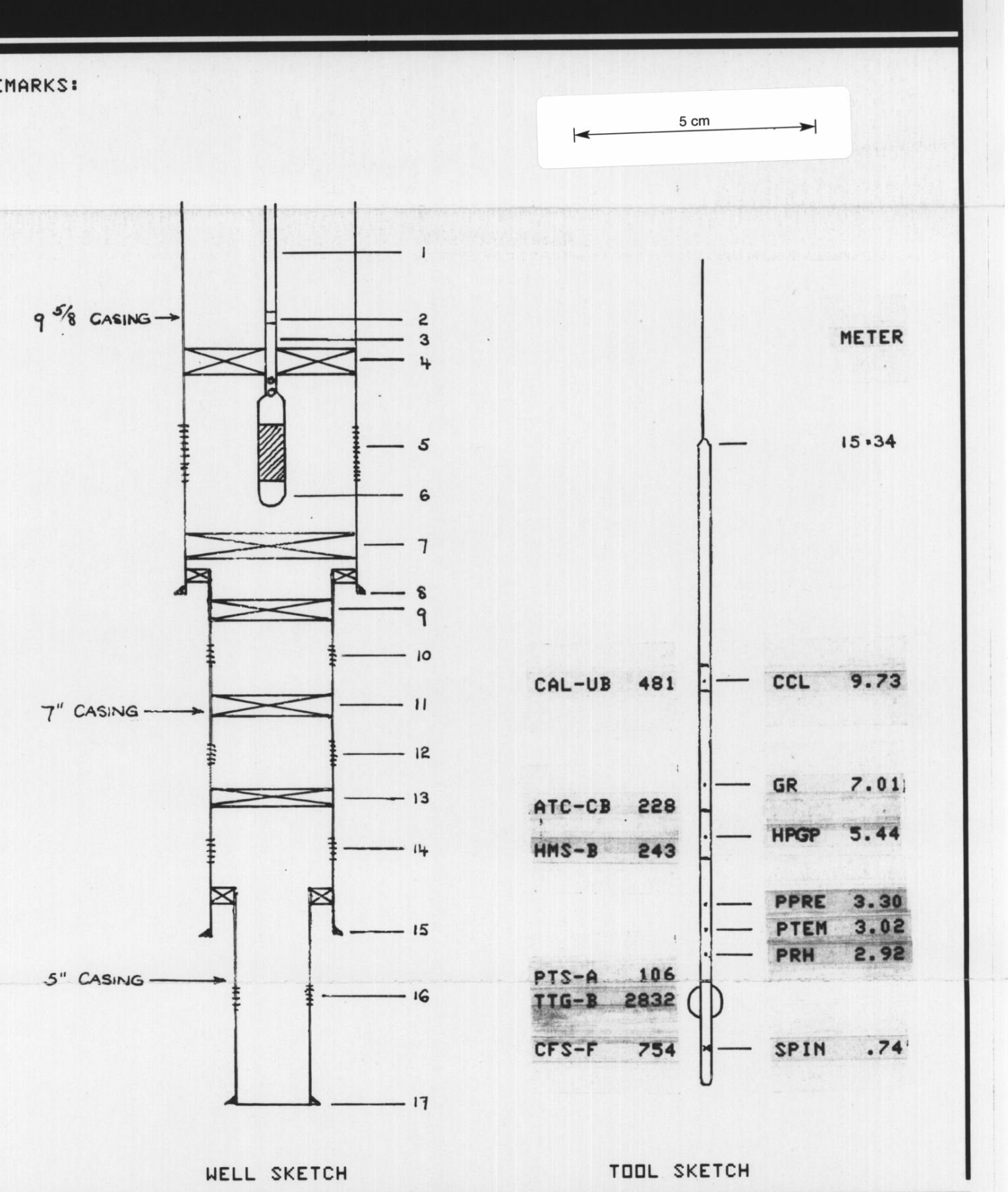
WELL & TOOL SKETCH

CSU Field Log

REMARKS:

5 cm



WELL SKETCH

TOOL SKETCH

WELL SKETCH LISTING

ITEM	CATEGORY	DESCRIPTION	TOP DEPTH	BOT DEPTH
1	TUBING #1	3 1/2" VAM TUBING	0.0 M	2588.0 M
2	MISC.	OTIS SRO LATCH	2588.0 M	2589.5 M
3 *	MISC.	DST TOOLS	2589.5 M	2858.3 M
4	PACKER	RTTS PACKER ASSY	2858.3 M	2861.7 M
5	PERFOR	PERFORATIONS: 12SPF 120 DEG PH	2868.0 M	2884.0 M
6	MISC.	5" O.D. TCP GUNS	2861.7 M	2884.4 M
7	PLUG	9 5/8" EZSV PLUG	2923.3 M	2924.5 M
8	CASING #1	9 5/8" 53.5# CASING	99.0 M	2995.0 M
9	PLUG	7" EZSV PLUG	3111.0 M	3112.2 M
10	PERFOR	PERFORATIONS:12SPF 120 DEG PHA	3142.0 M	3163.5 M
11	PLUG	7" EZSV PLUG	3412.0 M	3413.2 M
12	PERFOR	PERFORATION: 2 1/8" ENERJET	3439.5 M	3450.5 M
13	PLUG	7" EZSV PLUG	3553.7 M	3554.9 M
14	PERFOR	PERFORATIONS: 2 1/8" ENERJET	3605.6 M	3617.5 M
15	CASING #2	7" 29# CASING	2930.0 M	3647.0 M
16	PERFOR	PERFORATIONS: 2 1/8" ENERJET	3672.0 M	3699.0 M
17	CASING #3	5" 21# CASING	3557.0 M	4065.0 M

* = ITEM WITH SMALLEST I.D. IN WELL

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WELL & TOOL SKETCH

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SEQUENCE OF EVENTS

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OBJECTIVES:

1/ MONITOR THE PRESSURE DURING FLOWING AND SHUT-IN CONDITIONS FOR A ZONE PERFORATED AT 2868.0 TO 2884.0 MTRS.

2/ DETERMINE THE NATURE OF FLUIDS FLOWING FROM THE PERFORATED ZONE.

3/ MONITOR THE MOVEMENT OF FLUID CONTACTS INSIDE THE TUBING.

TECHNIQUE:

1/ RUN A PLT WITH HP PRESSURE GAUGE, STRAIN TYPE PRESSURE GAUGE AND A FLUID DENSITY SENSOR.

MAKE LOGS VERSUS DEPTH TO DETERMINE FLUID TYPE AND CONTACT MOVEMENT.

POSITION THE TOOL ABOVE THE DST STRING IN THE VAM TUBING AND MAKE LOGS VERSUS TIME TO DETERMINE RESERVOIR PARAMETERS AND FLUID TYPES.

SEQUENCE OF EVENTS:

DATE	TIME	REMARKS:
29/03	23:00	RIG UP PLT AND PRESSURE TEST LUBRICATOR.
30/03	01:30	OPEN SSV / OPEN CIRCULATING VALVE / DISPLACE TUBING FLUID INTO ANULUS WITH NITROGEN AT 3140 PSI CLOSE CIRCULATING VALVE AND BLEED OF NITROGEN TO 1414 PSI.
30/03	05:50	APPLY PRESSURE TO DST ANULUS AND FIRE TCP GUNS INTERVAL: 2868.0 TO 2884.0 MTRS CHARGE TYPE: 22 GRAM HMX H304952 SHOT DENSITY: 12 SPF PHASING: 120 DEG EXPECTED RESERVOIR PRESSURE: 4558 PSI EXPECTED BHP AT GUN DETONATION: 2558 PSI UNDERBALANCE ACHIEVED: APROXIMATELY 2000 PSI
30/03	07:00	RECORD PRESSURE IN LUBRICATOR WITH PLT TOOL / FLOW THE WELL ON A 16 /64 INCH CHOKE AND BLEED OFF THE NITROGEN CUSHION
30/03	09:40	RIH AGAINST "FLOWING WELL" AND RECORD THE FLUID GRADIENT AND WELL PRESSURE TO TD.
30/03	11:30	CORRELATE DEPTH AND POSITION PLT WITH THE HP PRESSURE GAUGE AT 2569.5 MTRS. (THE OTIS FISH TOP WAS FOUND AT 2581.4 MTRS)
30/03	13:23	WELL SHUT IN AT SURFACE AND THE PRESSURE BUILD UP WAS RECORDED WITH THE PLT
30/03	19:49	OPEN WELL AT SURFACE THROUGH 16/64 CHOKE. NO SURFACE PRODUCTION WAS OBSERVED. PRESSURE WAS RECORDED WITH THE PLT
30/03	22:04	WELL SHUT-IN AT SURFACE AND PRESSURE BUILD WAS RECORDED DOWNHOLE WITH THE PLT.
31/03	04:04	LOG PLT FROM 2569 MTRS TO SURFACE TO DETERMINE FLUID DENSITY GRADIENT. PRESSURE AT 272 MTRS: 550 PSIA PRESSURE AT 2569 MTRS: 3803 PSIA AVERAGE FLUID DENSITY: 0.997 GM/CC
31/03	06:49	FLOW WELL AND RECORD THE PRESSURE DRAWDOWN WITH THE PLT IN THE LUBRICATOR
31/03	10:08	RIH WITH PLT TO DETERMINE THE FLUID DENSITY GRADIENT TO 500 MTRS
31/03	14:00	RECORD PRESSURE AT 2575 MTRS AND DETERMINE THE AVERAGE FLUID DENSITY OF THE WELL: PRESSURE AT SURFACE: 15 PSIA PRESSURE AT 2575 MTRS: 3588PSIA AVERAGE FLUID DENSITY: 0.976 GM/CC
31/03	15:00	POOH WITH PLT
31/03	17:15	RIG DOWN SCHLUMBERGER
31/03	17:30	OPEN CIRCULATING VALVE / DISPLACE FLUID IN ANULUS AND PRODUCE TUBING CONTENTS TO SURFACE

REMARKS:

WELL FLOWRATE DATA:

FLOW PERIOD: 07:00 HRS (30/03/86) TO 13:23 HRS (30/03/86)

OIL FLOWRATE: 0 BPDO AT SC
GAS FLOWRATE: 200 MSCF/D
WATER FLOWRATE: 20 BPDW AT SC
GAS GRAVITY: 0.856 AT SC (AIR = 1.00)

FLOW PERIOD: 19:49 HRS (30/03/86) TO 22:04 HRS (30/03/86)

ZERO PRODUCTION AT SURFACE

REMARKS:

WATER SAMPLE RECOVERED:

SAMPLE NUMBER	RESISTIVITY @ TEMPERATURE
# 1	1.26 OHM/M @ 68 DEGF
# 2	1.31 OHM/M @ 68 DEGF
# 3	1.30 OHM/M @ 68 DEGF
# 4	1.35 OHM/M @ 68 DEGF
# 5	1.37 OHM/M @ 68 DEGF
# 6	1.36 OHM/M @ 68 DEGF

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SEQUENCE OF EVENTS

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PRODUCTION LOG: SURFACE TO 500 MTRS

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REMARKS:

FILE #8
LOG RECORDED WITH THE WELL OPEN AT SURFACE

PRESSURE (PPRE) WAS RECORDED WITH A STRAIN GAUGE USING SURFACE CALIBRATION AND PCOR TABLE

FLUID DENSITY MEASUREMENT (PRH) IS NOT CORRECTED FOR WELL DEVIATION OR FRICTION EFFECTS.

DATA ACQUIRED WHILE LOGGING DOWN

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PP	RECO		DO	0.0	M
BS	12.2500	IN	BHS	CASE	
SGSN	PTS-A 106		CDAT	01 03 86	
TD	10000.0	M	PCTS	PTEM	
FCHD	CSID		PTHR	10.0000	F/MN
NTHR	-10.0000	F/MN	TIRA	.500000	
VPCF	.830000		FDSH	0.0	G/C3
QIOP	FLOW		TCSH	0.0	IN

TAPE NOT MADE

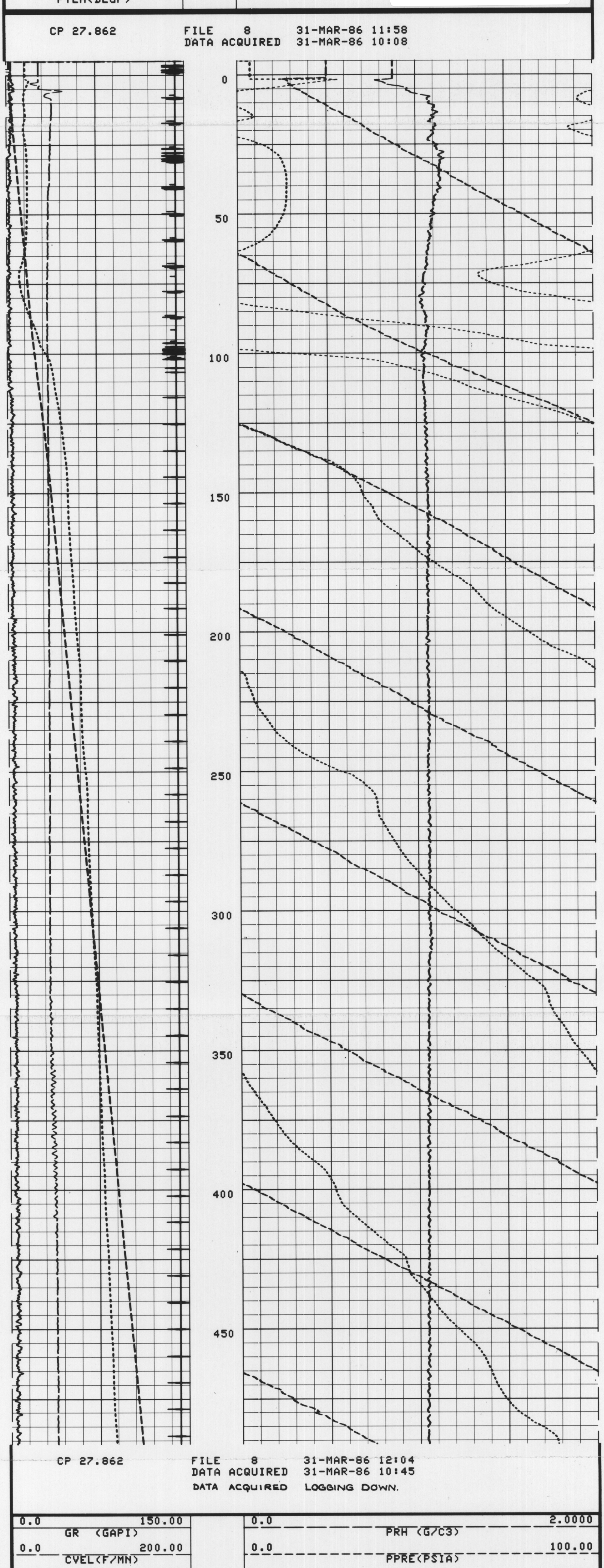
SENSOR MEASURE POINT TO TOOL ZERO

HPF	5.44 METER	SPIN	.74 METER
PTVC	3.02 METER	PTEM	3.02 METER
PRVC	2.92 METER	PRH	2.92 METER
PPVC	3.30 METER	PPRE	3.30 METER
CCL	9.73 METER	CVEL	.74 METER
TENS	8.26 METER	EXP	0.0 METER
SPTS	2.92 METER	GR	7.01 METER

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

5 cm

CP 27.862 FILE 8 31-MAR-86 11:58
DATA ACQUIRED 31-MAR-86 10:08



CP 27.862 FILE 8 31-MAR-86 12:04
DATA ACQUIRED 31-MAR-86 10:45
DATA ACQUIRED LOGGING DOWN.

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

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PRODUCTION LOG: SURFACE TO 500 MTRS

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DRAW DOWN: HP GAUGE AT 2.0 MTRS

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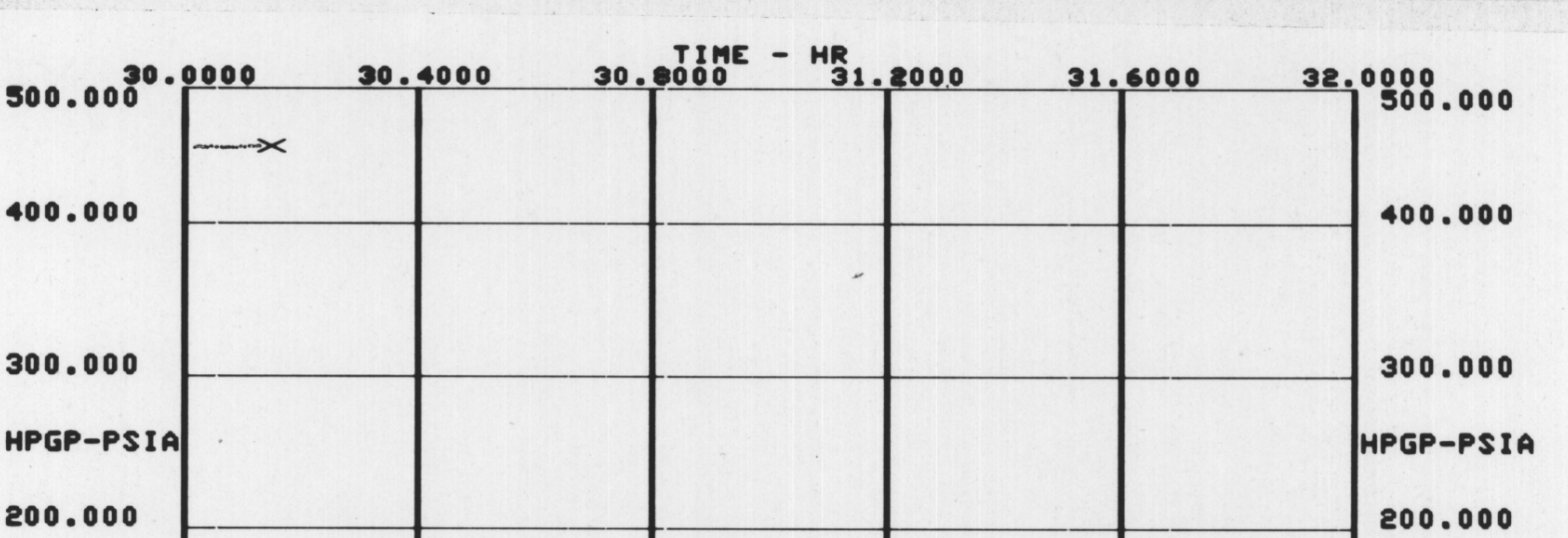

PRESSURE VERSUS TIME

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DRAW DOWN: HP GAUGE AT 2.0 MTRS

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PRODUCTION LOG: TD TO SURFACE

CSU Field Log

REMARKS:

FILE #4
LOG RECORDED WITH THE WELL SHUT IN AT SURFACE

PRESSURE (PPRE) WAS RECORDED WITH A STRAIN GAUGE USING SURFACE CALIBRATION AND PCOR TABLE

FLUID DENSITY MEASUREMENT (PRH) IS NOT CORRECTED FOR WELL DEVIATION OR FRICTION EFFECTS.

DATA ACQUIRED WHILE LOGGING UP

	PTEM(DEGF)				
50.000	PPRE(PSIA)	150.00		PTEM(DEGF)	
0.0	CCL	1000.0	0.0	PPRE(PSIA)	10.000
-19.00	CVEL(F/MN)	1.0000	0.0	PRH (G/C3)	100.00
0.0	GR (GAPI)	-200.0			
0.0		150.00	0.0		2.0000

CP 27.862 FILE 4 31-MAR-86 06:14
DATA ACQUIRED 31-MAR-86 05:49