ATLAS WIRELINE SERVICES

BHC ACOUSTILOG ®

FILE NO.

API NO.

5" = 100'

COMPANY OREGON NATURAL GAS CORP
WELL IW 23B-3
FIELD MIST
COUNTY COLUMBIA STATE OR.

LOCATION:
615' S & 1591' E OF THE
W 1/4 CORNER OF
SEC3 TWP6N RGE5W

OTHER SERVICES
DIP
GR/CN/CDL
DIFL

PERMANENT DATUM GL ELEV. 1073.1
LOGGING MEASURED FROM KB 11.4 FT. ABOVE P.D.
DRILLING MEASURED FROM KB

ELEVATIONS
KB 1084.5
DF
GL 1073.1'

DATE	6/27/88		7/8/88					
RUN	1		TWO					
SERVICE ORDER	158840		158845					
DEPTH-DRILLER	2651'		2974'					
DEPTH-LOGGER	2646'		2968'					
BOTTOM LOGGED INTERVAL	2644'		2966'					
TOP LOGGED INTERVAL	571'		2614					
CASING - DRILLER	13 3/8"	@ 571'	8 5/8"	@ 2620'		@		@
CASING - LOGGER	571'		2614'					
BIT SIZE	12.25		7 7/8"					
TYPE FLUID IN HOLE	GEL/DRISPAC		KCL POLYMER					
DENSITY / VISCOSITY	9.5	49	8.6	40				
PH / FLUID LOSS	8.5	4.4	10.5	10.8				
SOURCE OF SAMPLE	FLOWLINE		FLOWLINE					
RM AT MEAS. TEMP.	1.27	@ 64	0.243	@ 88 F		@		@
RMF AT MEAS. TEMP.	0.98	@ 65	0.19	@ 88 F		@		@
RMC AT MEAS. TEMP.	1.64	@ 64	0.282	@ 88 F		@		@
SOURCE OF RMF / RMC	MEAS	MEAS	MEAS	MEAS				
RM AT BHT	0.75	@ 108 F	0.19	@ 112 F		@		@
TIME SINCE CIRCULATION	4 HRS		2 HRS					
MAX. REC. TEMP. DEG. F	108		112 F					
EQUIP. NO. / LOC.	HL 6406	SAC	HL 6406	SAC				
RECORDED BY	B. WELCH		B. WELCH					
WITNESSED BY	MR. THOMAS;		MR. THOMAS;					

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASURMENTS, 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.

ATLAS WIRELINE SERVICES

Western Atlas International
A Litton/Dresser Company

REMARKS RUN (1)

BHV COMPUTED FOR 8 5/8" CSG

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	DIFL	72831	1503	1.5" SO
1	1	AC	79726	1603	CENT
1	1	GR			
1	1	CAL	79090	4209	CENT

REMARKS RUN (2)

SP SCALE 5 MV PER CD PER CUSTOMER REQUEST

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION

PARAMETERS

NAME	DEPTH INTERVAL	VALUE	UNITS
A	3854 TO 519	0.620	
M	3854 TO 519	2.150	
B.S.	3854 TO 519	8.625	INCH
DELT F	3854 TO 519	185.000	MICS/FT
DELT M	3854 TO 519	54.000	MICS/FT
DELT S	3854 TO 519	110.000	MICS/FT

DISPLAY SCALE CHANGES

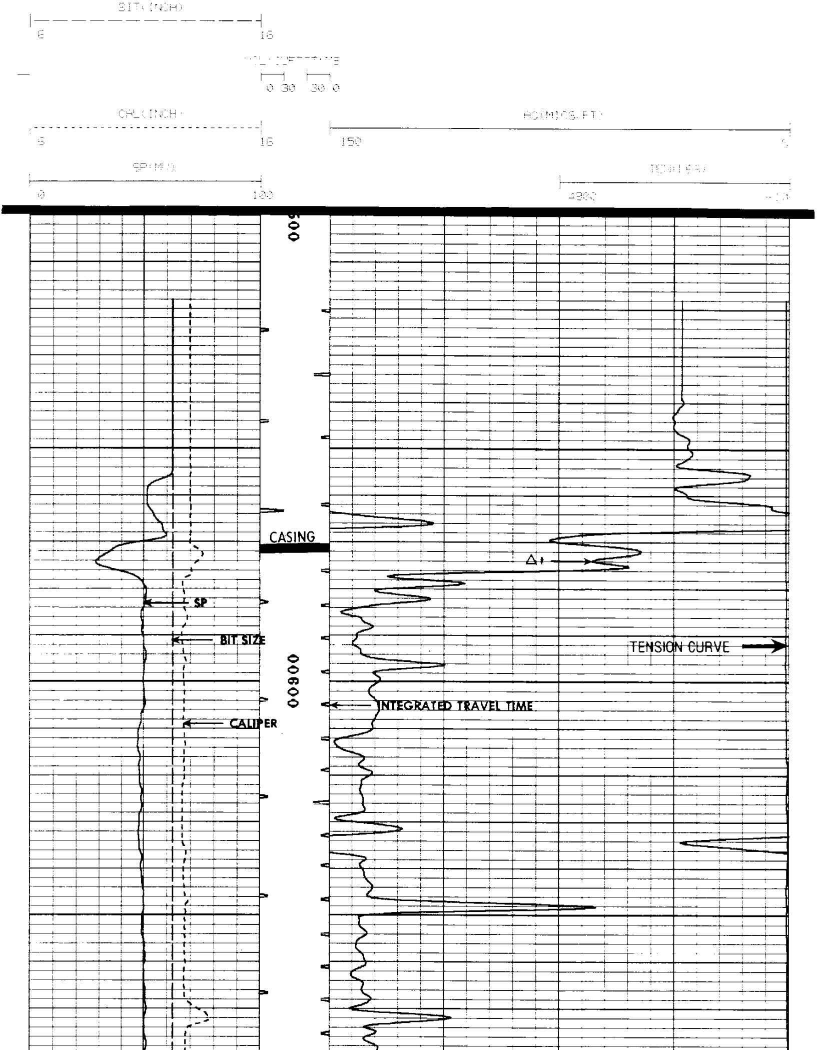
*** NONE ***

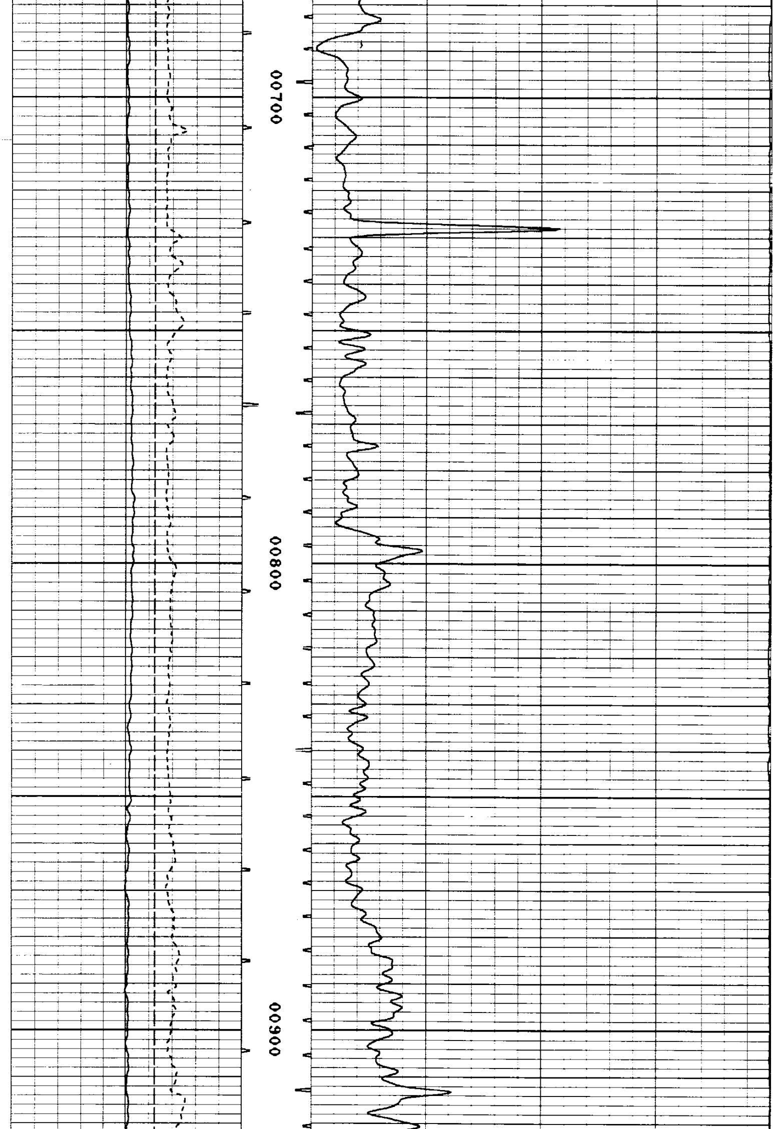
COMPANY: OREGON NATURAL GAS CORP RUN: 1

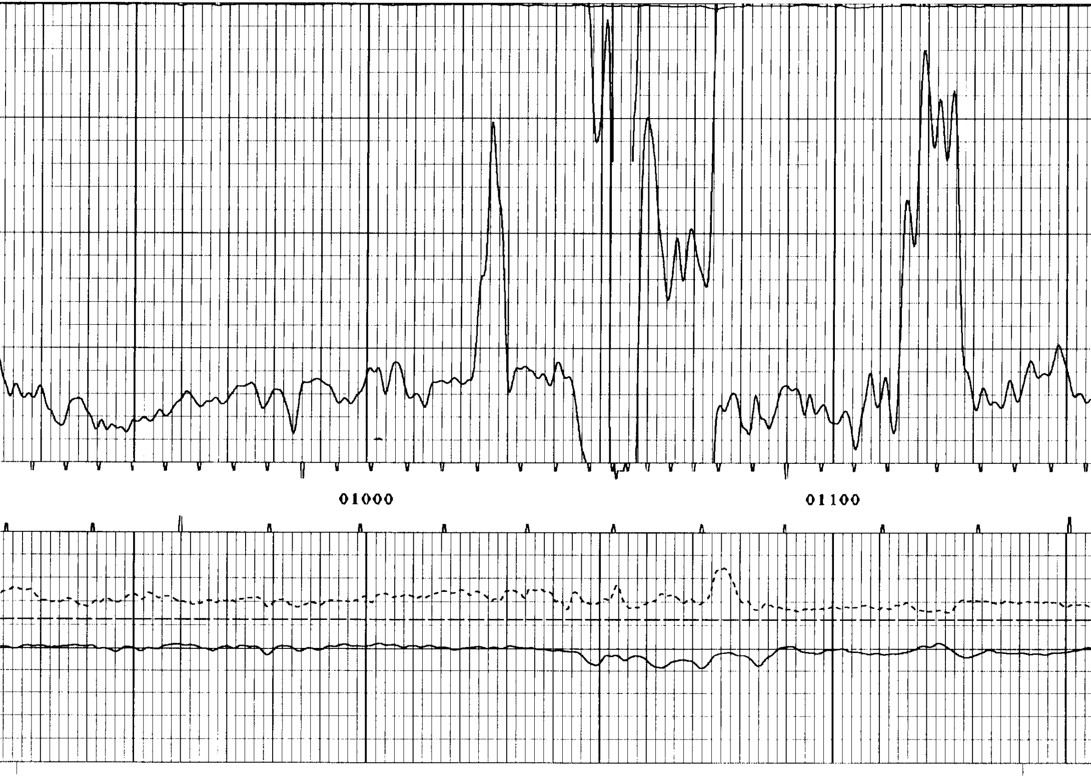
WELL NAME: IW 23D-3 TRIP: 1

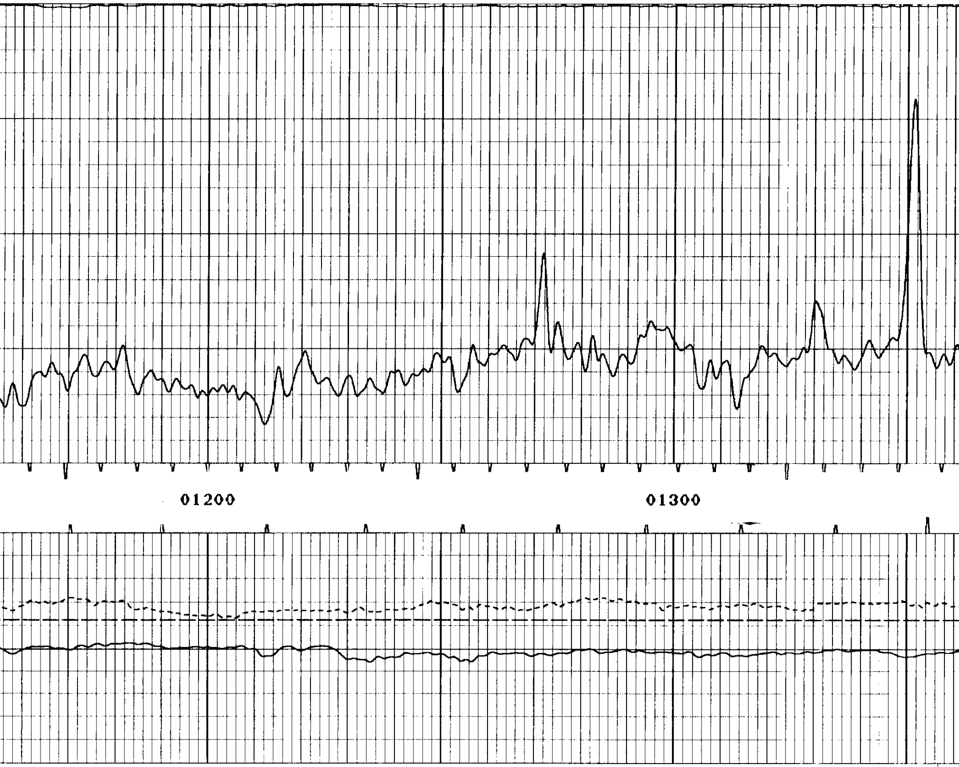
SERVICE: AC214N FILE: 3 DATE: 8 27 88 TIME: [illegible]

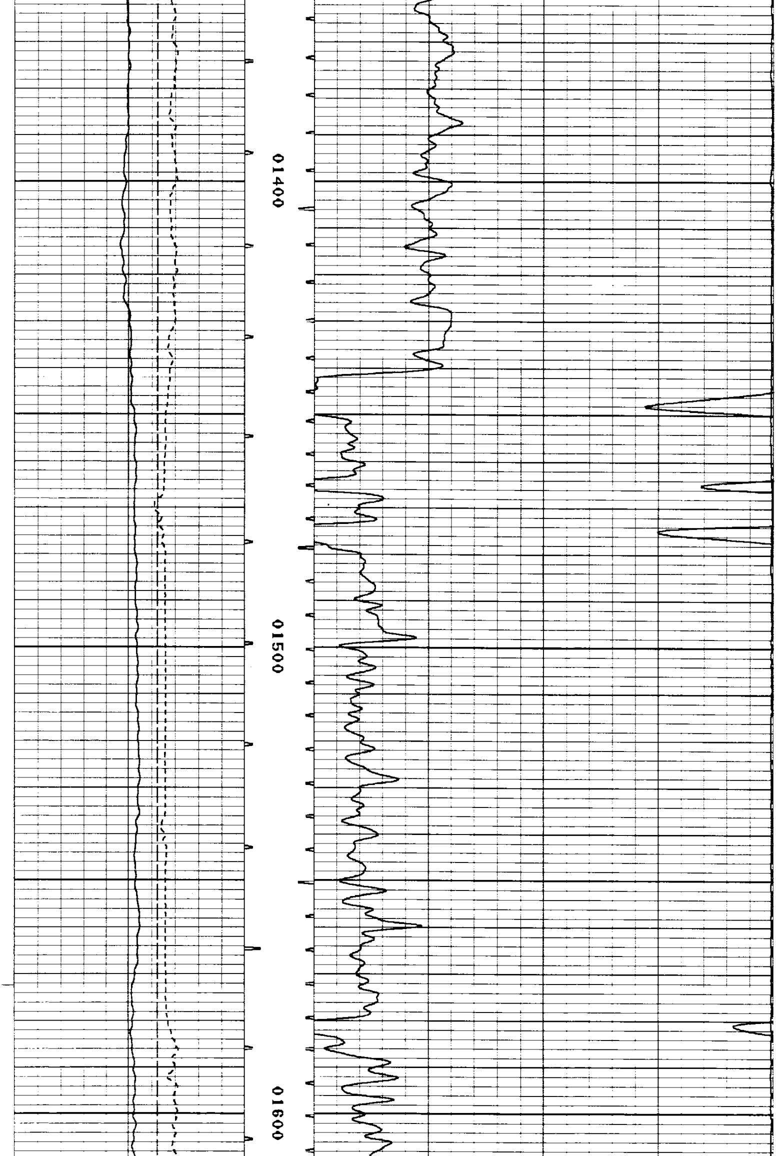
REVISION: FSYSAL REV 0608 VER 3 MODE: PLAYBACK

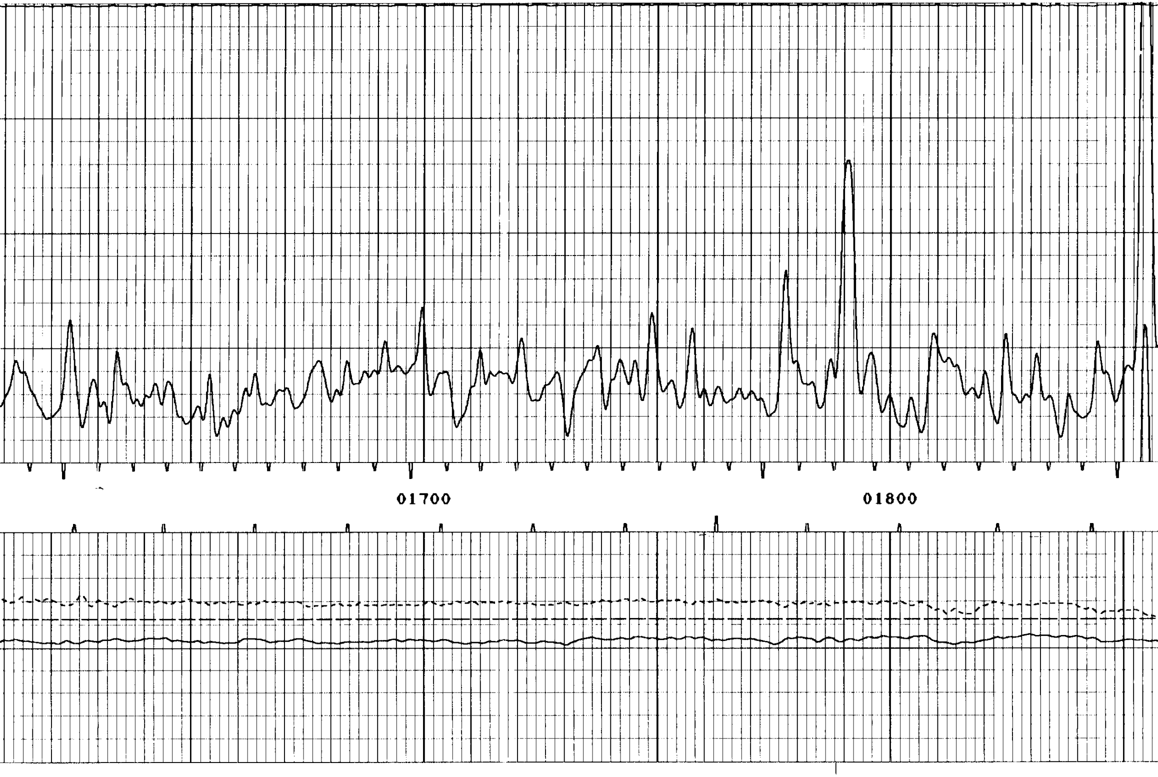


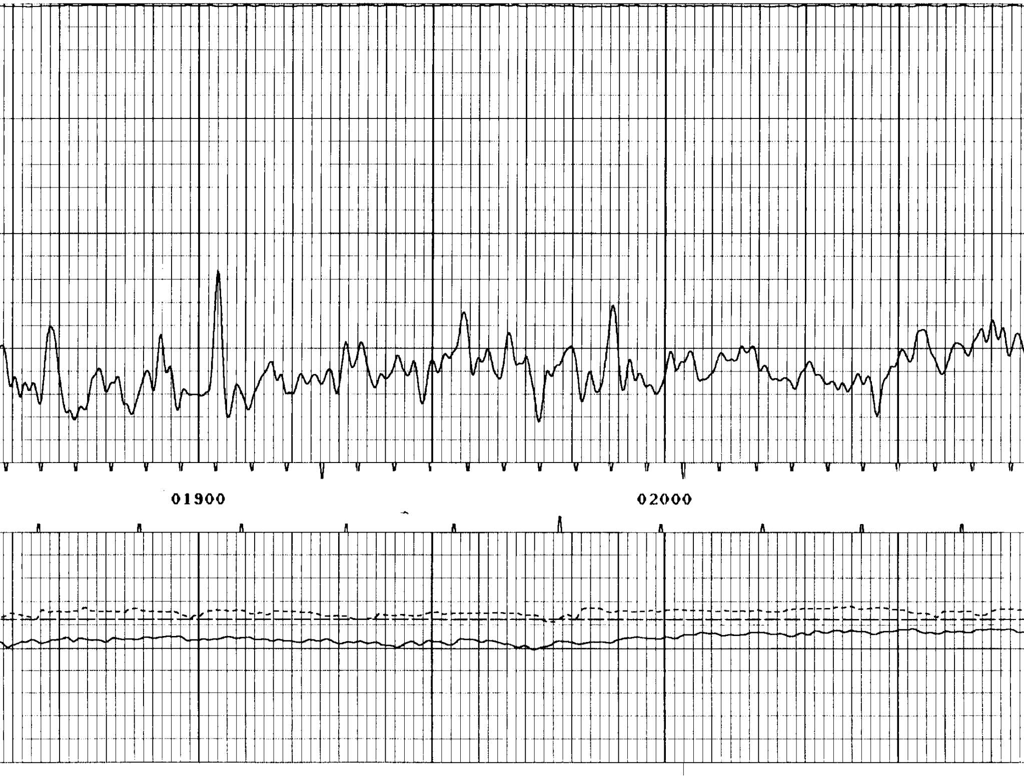


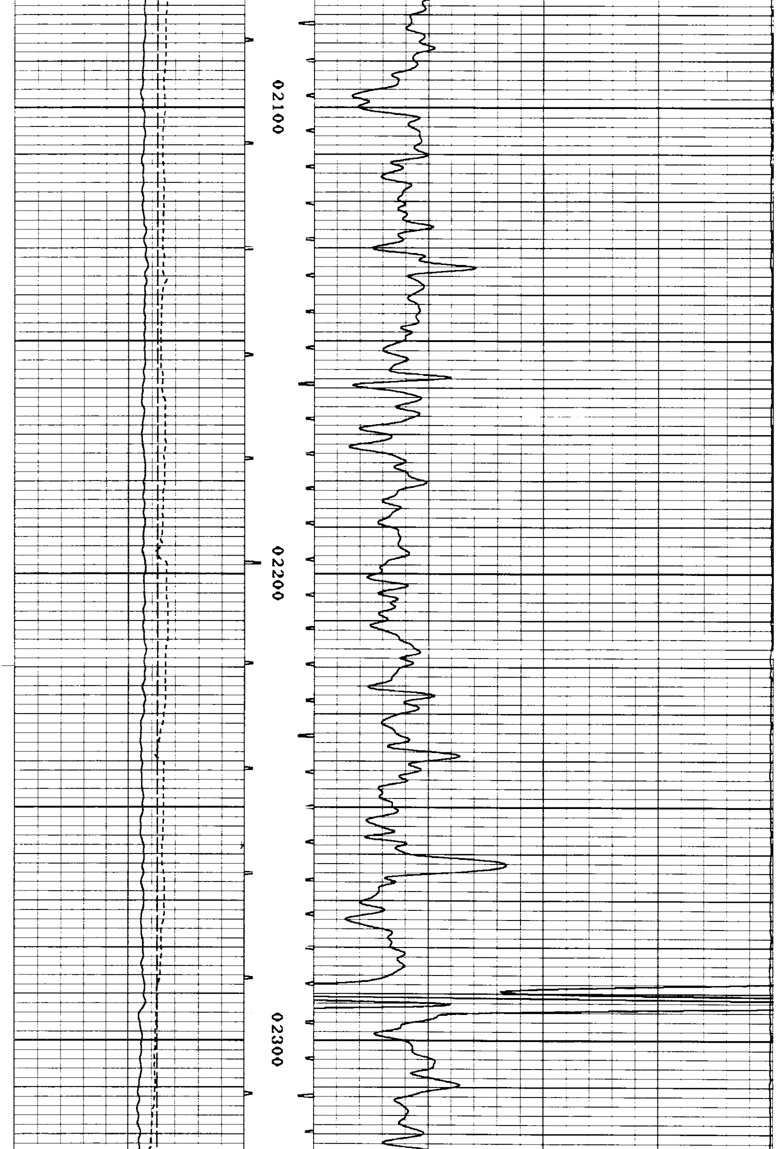


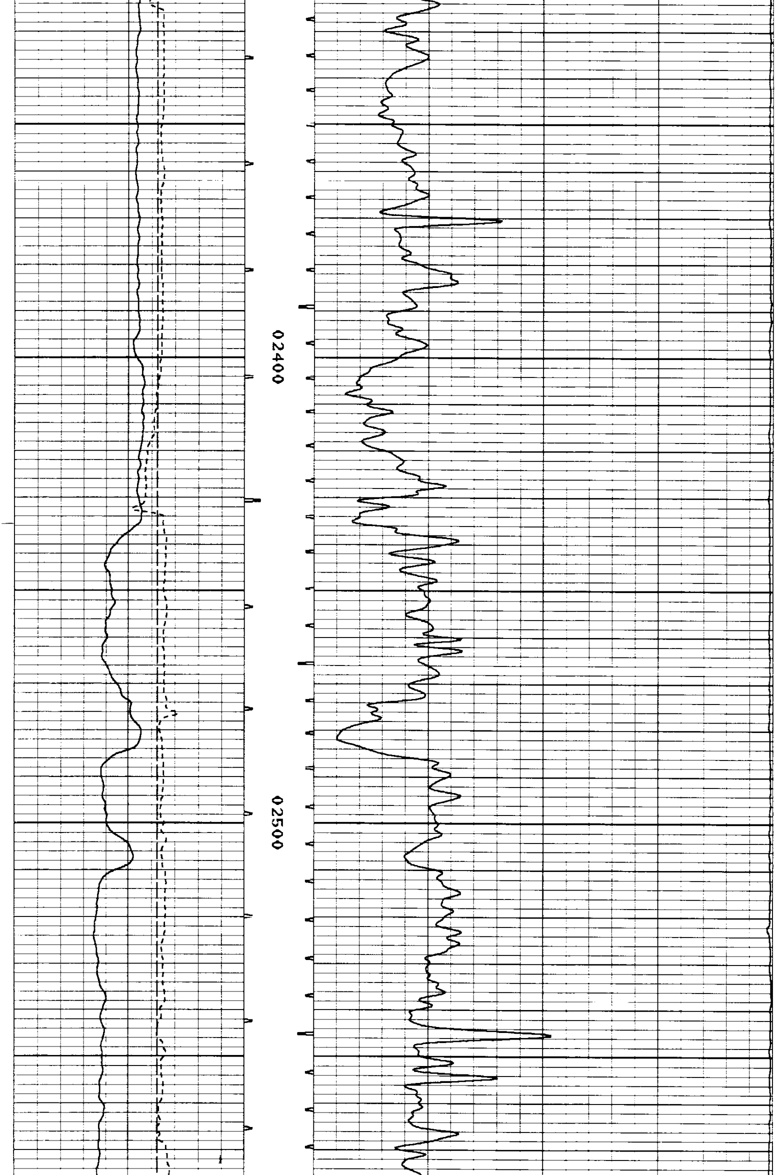


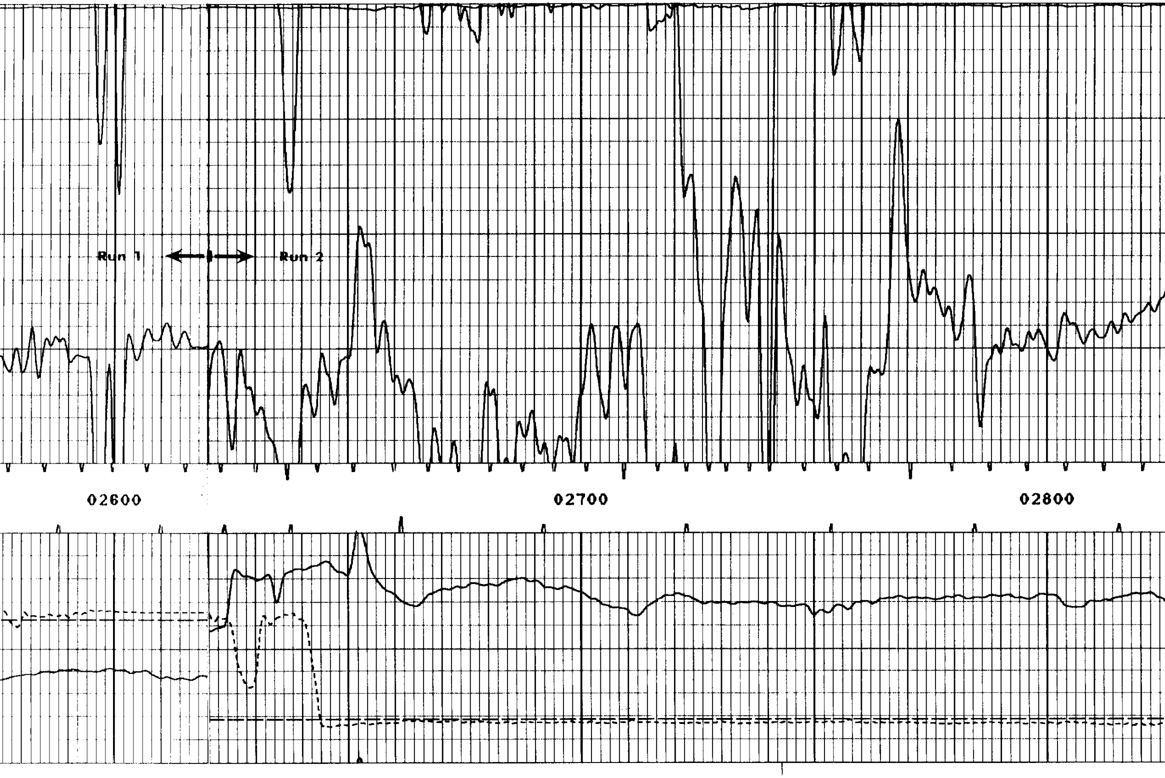


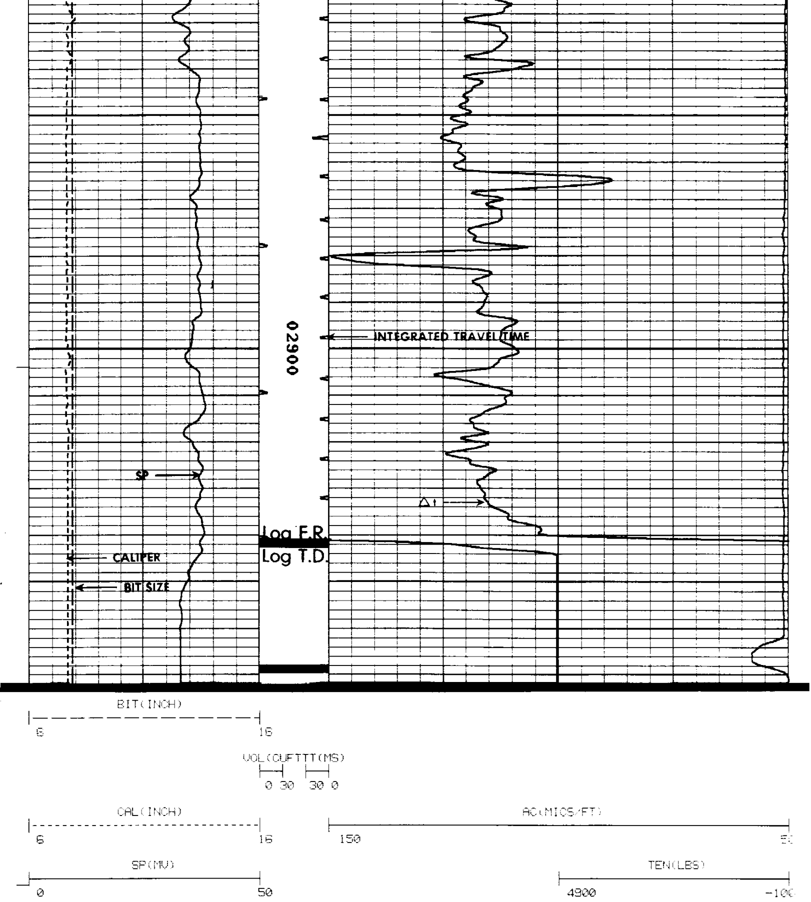












PARAMETERS

NAME	DEPTH INTERVAL	VALUE	UNITS
A	2972 TO 2701	0.620	
M	2972 TO 2701	2.150	
O.D.	2972 TO 2701	0.000	INCH

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DEL-T F    2972 TO  2701     135.000  MICS/FT

DEL-T M    2972 TO  2701      54.000  MICS/FT

DEL-T S    2972 TO  2701     110.000  MICS/FT
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DISPLAY SCALE CHANGES

*** NONE ***

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COMPANY:    OREGON NATURAL GAS CORP                              RUN:  2

WELL NAME:  IW 23B-3                                             TRIP: 1

SERVICE:    KC214N          FILE:   2         DATE:   7/ 8/88     TIME:  10:46: 6

REVISION:   FSYSAL REV GS08 VER+2                                MODE: PLAYBACK
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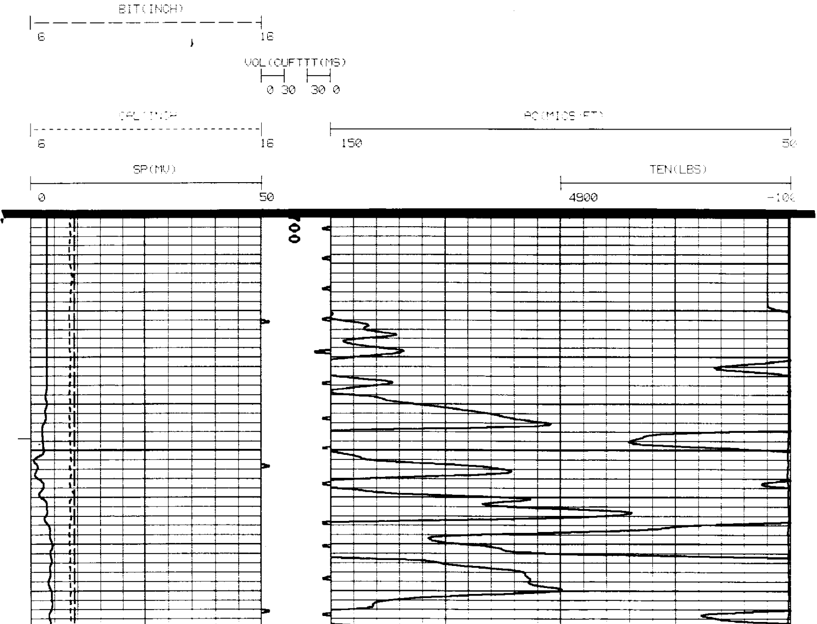
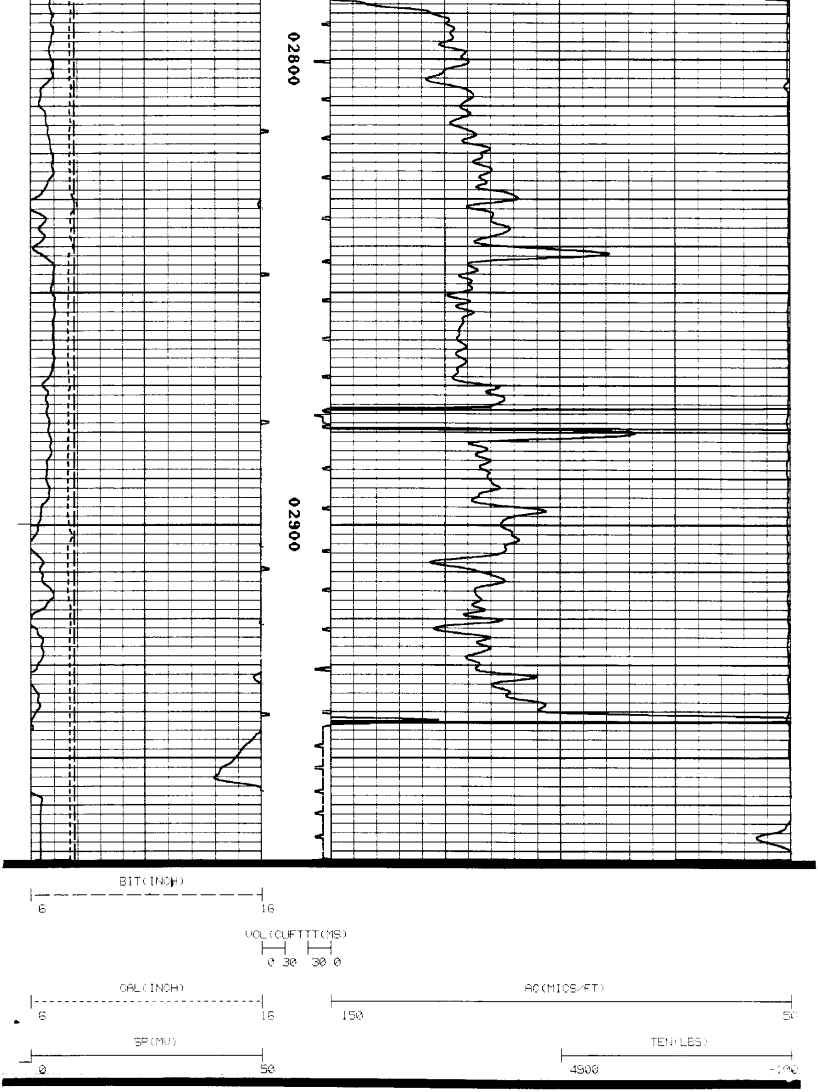
REPEAT SECTION





PARAMETERS

NAME	DEPTH INTERVAL	VALUE	UNITS
[illegible]	[illegible] TO [illegible]	[illegible]	

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[illegible]      3855 TO 2400      2.150
[illegible]      3855 TO 2400      1.855  INCH
DEL-T F          3855 TO 2400    135.000  MICS FT
DEL-T N          3855 TO 2400     54.000  MICS FT
DEL-T B          3855 TO 2400    110.000  MICS FT
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DISPLAY SCALE CHANGES

    *** NONE ***
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COMPANY:    OREGON NATURAL GAS CORP                                  RUN:  1
WELL NAME:  IW 23B-3                                                 TRIP: 1
SERVICE:    FC214N         FILE:   1        DATE:   8 27 93          TIME:   7:33:19
REVISION:   FSYSAL REV 4808 VER 2                                    MODE: PLAYBACK
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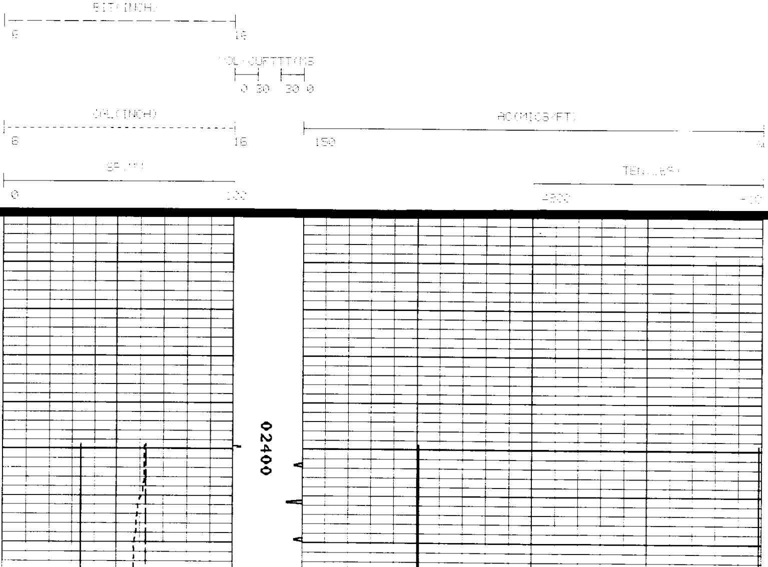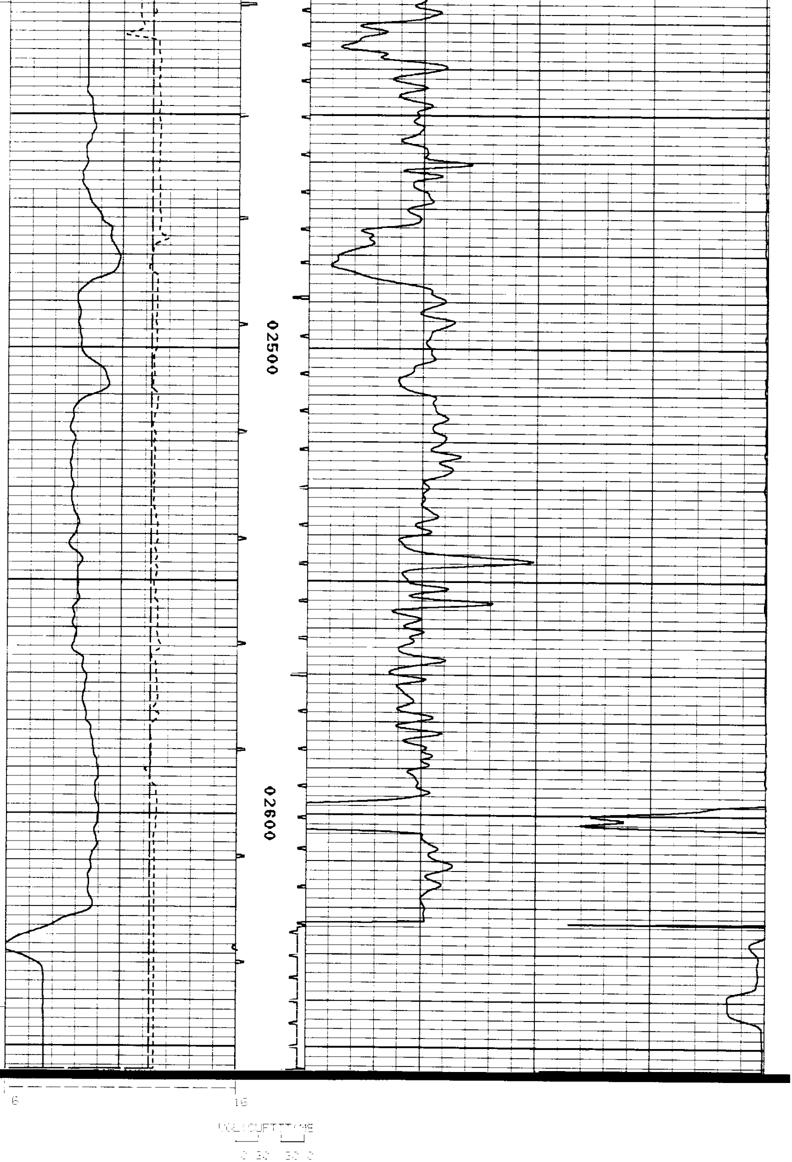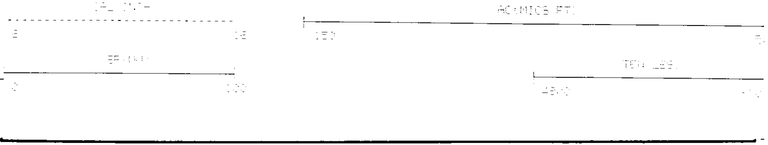REPEAT SECTION