CONFIDENTIAL

Dresser Atlas
DRESSER

4-ARM CALIPER LOG

FILE NO.
API NO.

COMPANY GEO OPERATOR CORP / GNC
WELL N-5
FIELD NEWBERRY
COUNTY DESCHUTES STATE OR.

LOCATION:
3000' S & 375' W OF NE CORNER OF
SEC 8 TWP 22S RGE 12E

OTHER SERVICES
TEMP
IEL/GR
BHC/AC FRAC

5" = 100'

PERMANENT DATUM GL ELEV. 5680'
LOGGING MEASURED FROM GL 0 FT. ABOVE P.D.
DRILLING MEASURED FROM GL

ELEVATIONS
KB -
DF -
GL 5680'

DATE	8/5/87
RUN	1
SERVICE ORDER	140354
DEPTH-DRILLER	3230'
DEPTH-LOGGER	2735'
BOTTOM LOGGED INTERVAL	2734'
TOP LOGGED INTERVAL	412'
CASING - DRILLER	4" @ 419'
CASING - LOGGER	
BIT SIZE	3.782"
TYPE FLUID IN HOLE	WATER
DENSITY / VISCOSITY	- | -
PH / FLUID LOSS	- | -
SOURCE OF SAMPLE	-
RM AT MEAS. TEMP.	- @ -
RMF AT MEAS. TEMP.	- @ -
RMC AT MEAS. TEMP.	- @ -
SOURCE OF RMF / RMC	- | -
RM AT BHT	- @ -
TIME SINCE CIRCULATION	37 HRS
MAX. REC. TEMP. DEG. F	
EQUIP. NO. / LOC.	HL 6406 | SAC
RECORDED BY	B. WELCH
WITNESSED BY	MR. WALKEY

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 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.

REMARKS RUN (1)

RODS STUCK IN HOLE UP TO APPROX 2689'
*TOOL CLOSED DUE TO TIGHT SPOT

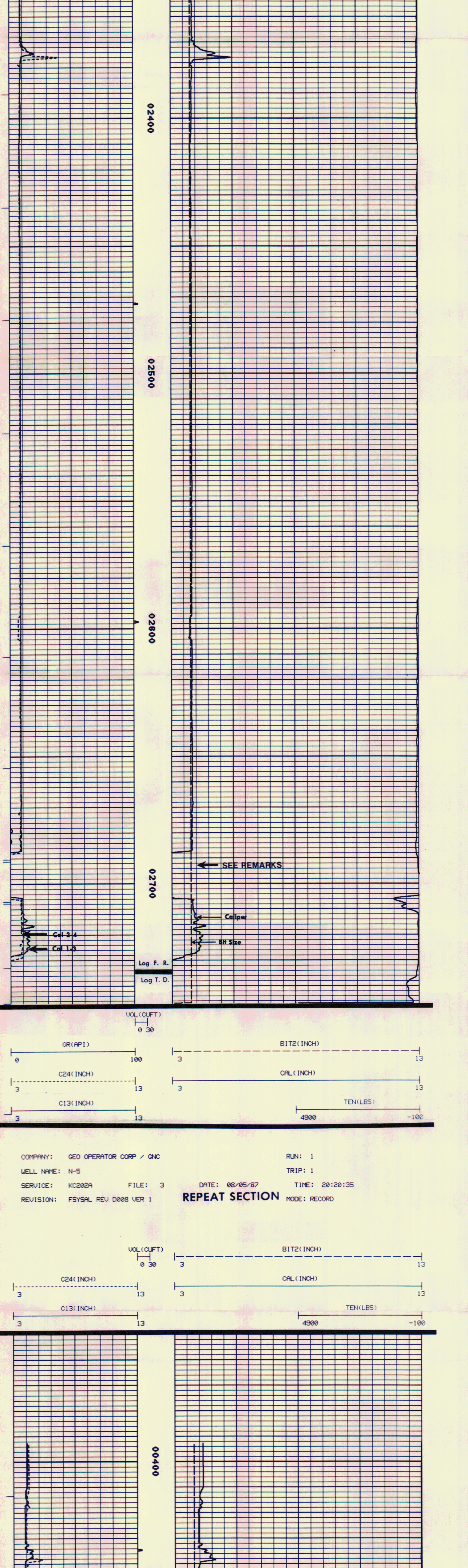
EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	4CAL	32419	1905	CENT
1	1	GR			

COMPANY: GEO OPERATOR CORP / GNC
WELL NAME: N-5
SERVICE: KC202A FILE: 2 DATE: 08/05/87
REVISION: FSYSAL REV D008 VER 1
RUN: 1
TRIP: 1
TIME: 19:26:55
MODE: RECORD

COMPANY: GEO OPERATOR CORP / GNC
WELL NAME: N-5
SERVICE: KC202A FILE: 3 DATE: 08/05/87
REVISION: FSYSAL REV D008 VER 1
RUN: 1
TRIP: 1
TIME: 20:20:35
MODE: RECORD

REPEAT SECTION



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*                                         *
*  CALIBRATION/VERIFICATION SUMMARIES     *
*  DATE 08/05/87          TIME 20:50:50   *
*  RUN  1                 TRIP 1          *
*                                         *
*******************************************


     LOG NAME 4CAL    ASSET NO. 32419    UNIT NO. HL 6406
   CALIBRATION ENTERED ON 08/05/87 AT 19:00:28

 CURVE   MILLIVOLTS     SCALING FACTORS    ENGINEERING VALUES   UNITS
          LOW    HIGH    ADD.     MULT.       LOW        HIGH
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      DATE 08/05/87          CALIBRATION           TIME 19:00:28

 C13    1137.0  2945.6   0.342    0.0121      6.000      15.000 INCH
 C24    1278.6  2967.0  -0.815    0.0130      6.000      15.000 INCH

                          PRIMARY VERIFICATION            NOT DONE

                         BEFORE LOG VERIFICATION          NOT DONE

      DATE 08/05/87      AFTER LOG VERIFICATION    TIME 20:49:15

 C13    1143.7  2947.5   0.342    0.0121      6.033      15.010 INCH
 C24    1273.2  3001.2  -0.815    0.0130      5.971      15.182 INCH

           *** GR   NOT CALIBRATED ***
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Dresser Atlas DRESSER