Schlumberger

SIMULTANEOUS

COMPENSATED NEUTRON-FORMATION DENSITY

COUNTY	COLUMBIA
FIELD	MIST
LOCATION	25-6N-5W
WELL	AQP LONGVIEW FIBRE NO. 25-32
COMPANY	AMERICAN QUASAR

COMPANY	AMERICAN QUASAR PETROLEUM COMPANY
WELL	AQP LONGVIEW FIBRE NO. 25-32
FIELD	MIST
COUNTY	COLUMBIA
STATE	OREGON

RECEIVED PTLD
MAR 10 1980
DEPT OF GEOLOGY & MINERAL INDUS

LOCATION: SOUTHWEST - NORTHEAST

API SERIAL NO.	SEC.	TWP.	RANGE
	25	6N	5W

Other Services:
DI-SFL
BHC
CYBERLOOK
CYBERDIP

Permanent Datum: GL ; Elev.: 876
Log Measured From KB , 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 888
D.F. --
G.L. 876

Date	2-4-80			
Run No.	ONE			
Depth—Driller	2902			
Depth—Logger	2898			
Btm. Log Interval	2895			
Top Log Interval	518			
Casing—Driller	8½" @518	@	@	@
Casing—Logger	518			
Bit Size	6 1/8"			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	9.5 | 35			
pH | Fluid Loss	10 | 8 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.27 @62 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.18 @58 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.28 @55 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	1.50 @100 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	0800 2/4			
TIME Logger on Bottom	1730 2/4			
Max. Rec. Temp.	100 °F	°F	°F	°F
Equip. | Location	8126 | SAC			
Recorded By	KAISER			
Witnessed By Mr.	MANN			

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

RUN NO.	ONE			
Service Order No.	124016			
Fluid Level	FULL			
Salinity, PPM CL.	--			
Speed - F.P.M.	--			
EQUIPMENT DATA				
Dens. Panel	418			
Dens. Cart.	1240			
Dens. Skid.	253			
Dens. Sonde	426			
Dens. Source	5199			
Dens. Calibrator	1241			
Neut. Panel	418			
Neut. Cart.	410			
Neut. Source	3			
Neut. Calibrator	594			
GR Cart.	1087			
Memorizer Panel	--			
Tape Recorder (TTR)	--			
Depth Encoder (DRE)	--			
Pressure Wheel (CPW)	--			
Centralizers: Enter Spring, Standoffs, In-line, or None — Type	--			
Centralizers — No.	--			
Centralizers — S. O. — Inches	--			
CALIBRATION DATA				
GR — BKG. CPS	81			
GR — Source CPS	246			
GR — Sens. - Cal	165			
GR — T. C. - Cal	CAL			
CNL — Short Spacing - Before Log	RATIO=			
CNL — Long Spacing - Before Log	2.24			
CNL — Short Spacing - After Log	RATIO=			
CNL — Long Spacing - After Log	2.22			
FDC — P^1 — Before Log	447			
FDC — P^2 — Before Log	787			
FDC — P^1 — After Log	447.2			
FDC — P^2 — After Log	812.5			

Type Log	Depth		

REMARKS:

LOGGING DATA

DEPTH		CNP			FDC				GR			
Top	Bottom	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T. C.	Zero. Div. Left	Scale Per 100 Div.
518	2898	60-0	SSOH	AUTO	60-0	2.65	1	WATER	165	CSU	0	150

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 Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

CALIPER DIAM. IN INCHES

5" 15"

GAMMA RAY API UNITS

0 150

DEPTH

POROSITY INDEX % SANDSTONE MATRIX

COMPENSATED FORMATION DENSITY POROSITY

60% 45% 30% 15% 0%

COMPENSATED NEUTRON POROSITY

60% 45% 30% 15% 0%

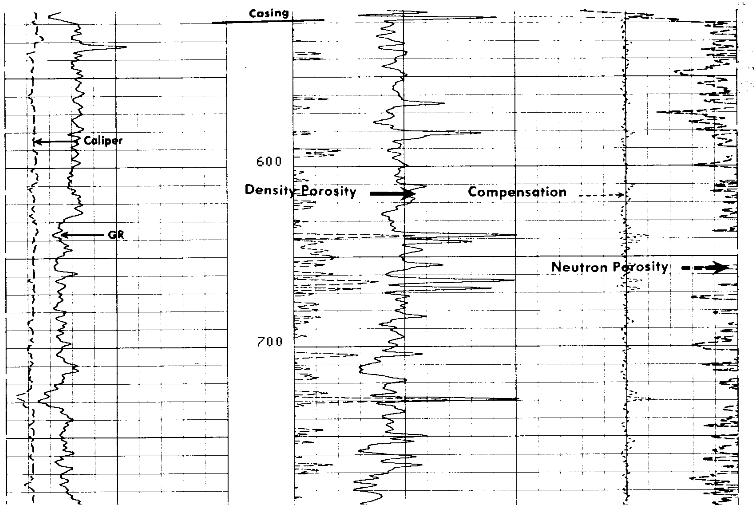
CORRECTION GRAMS CC

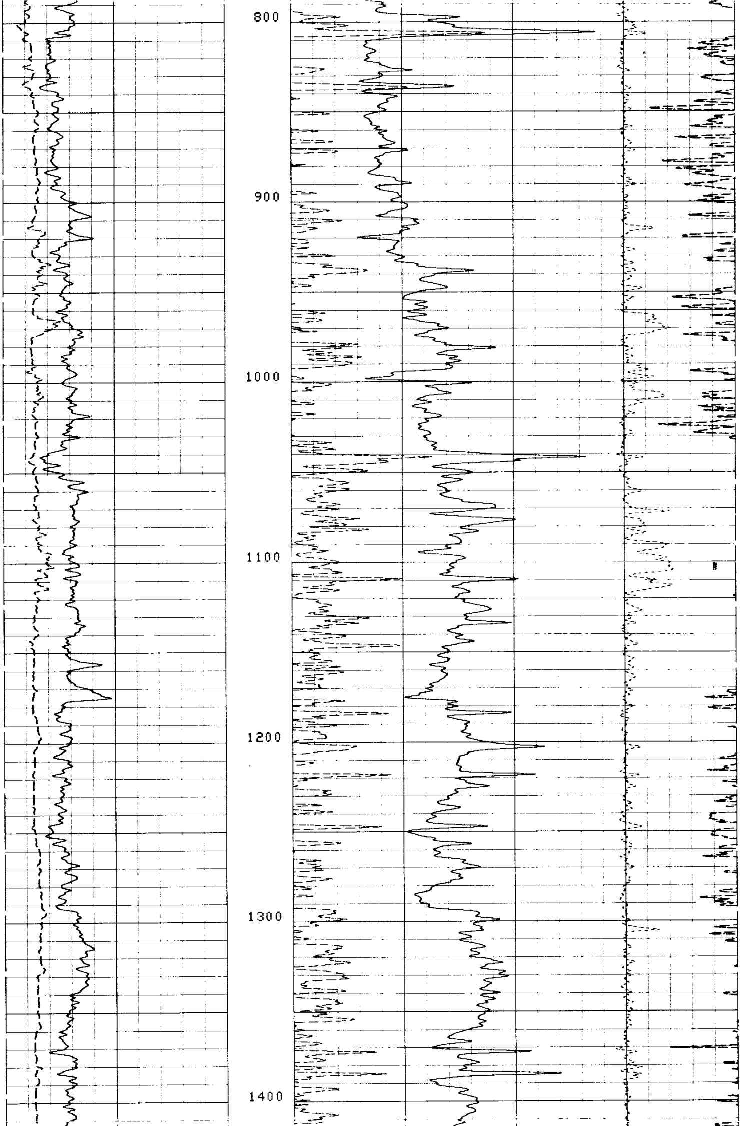
−.25 0 +.25

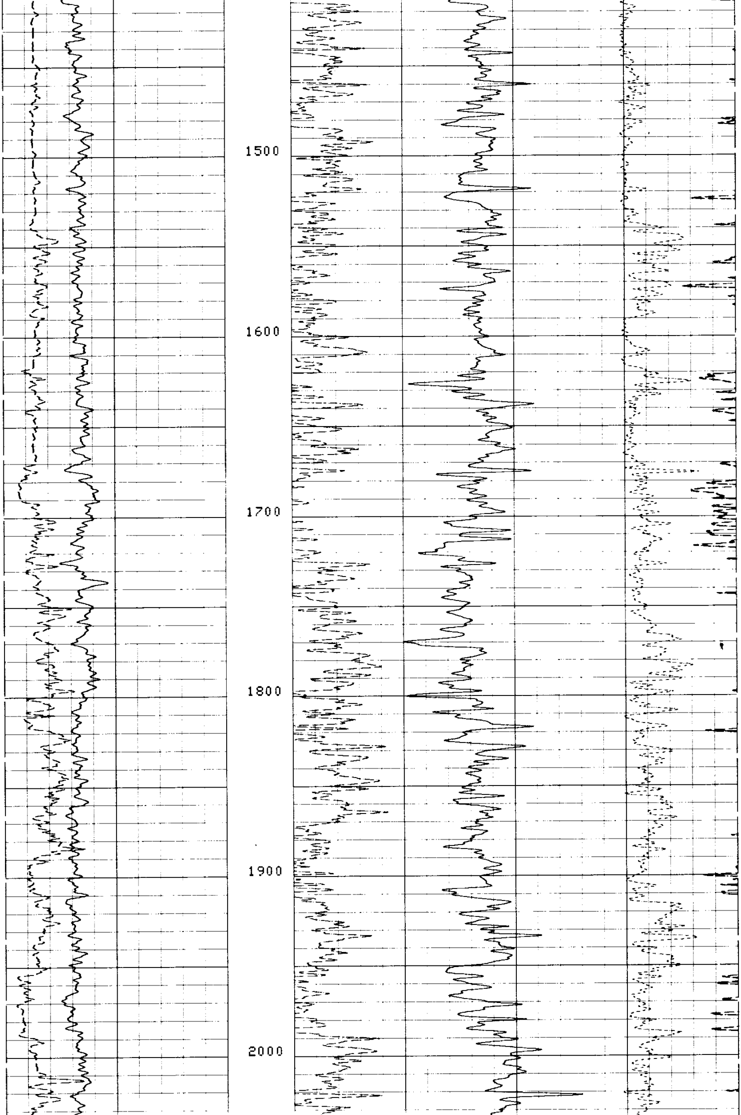
BULK DENSITY GRAMS CC

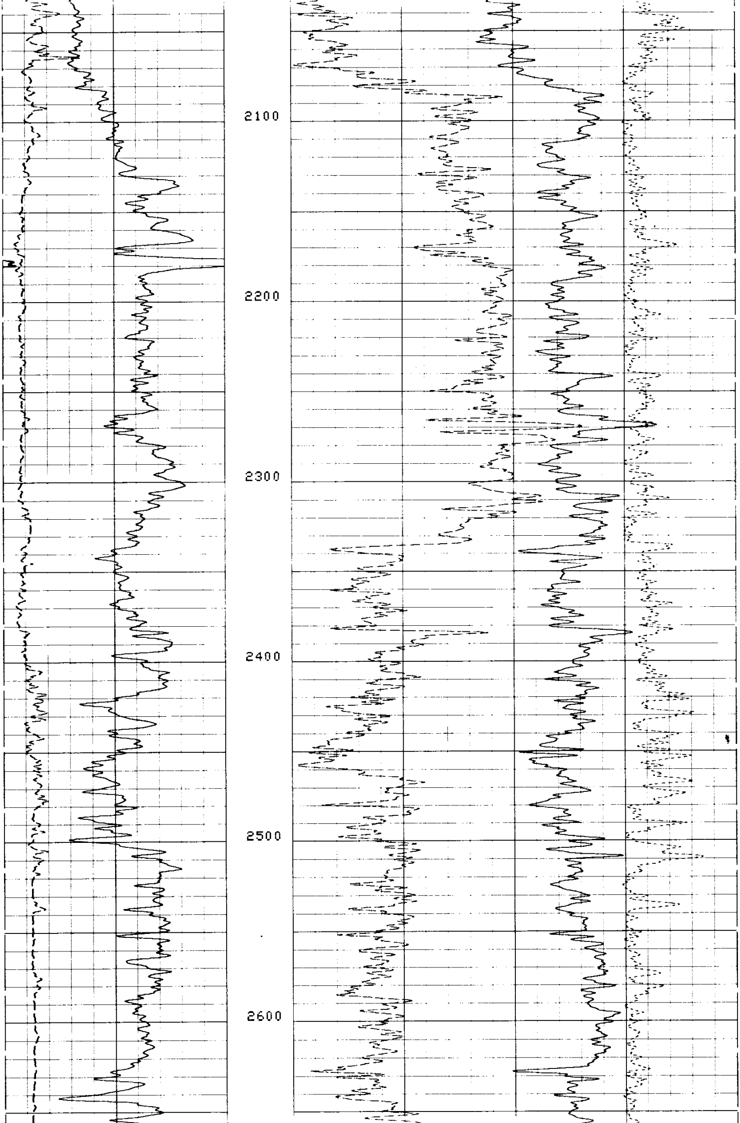
1.65 2.65

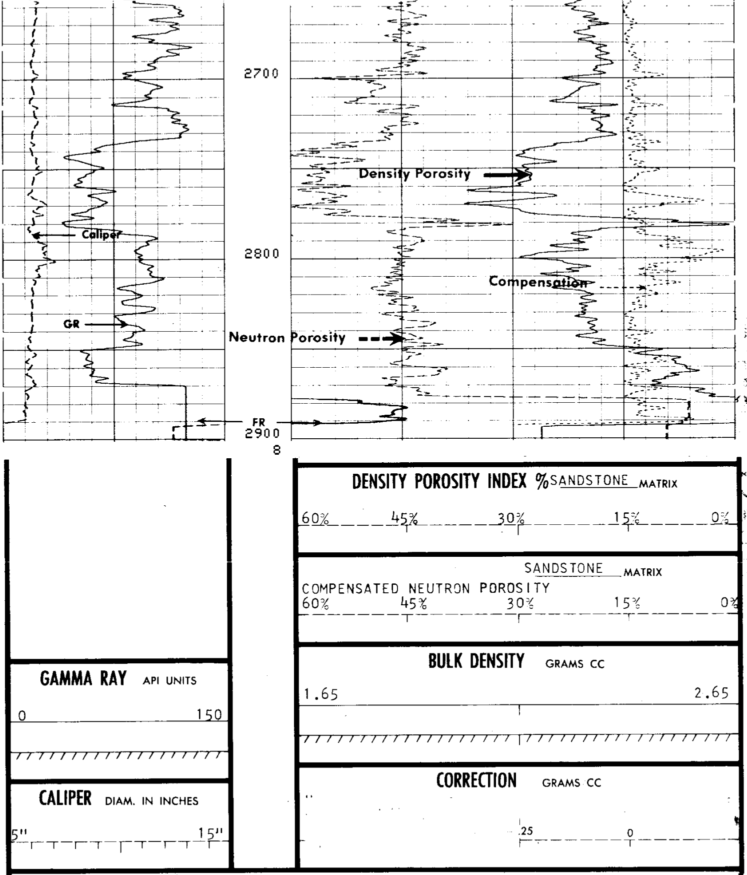
8









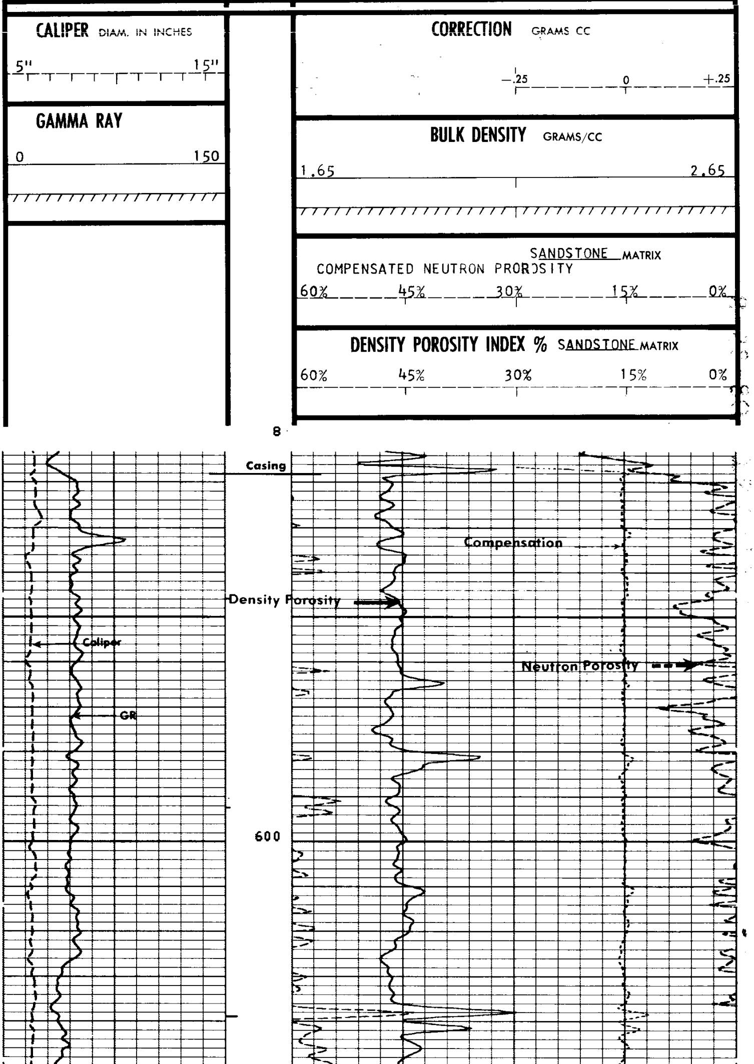


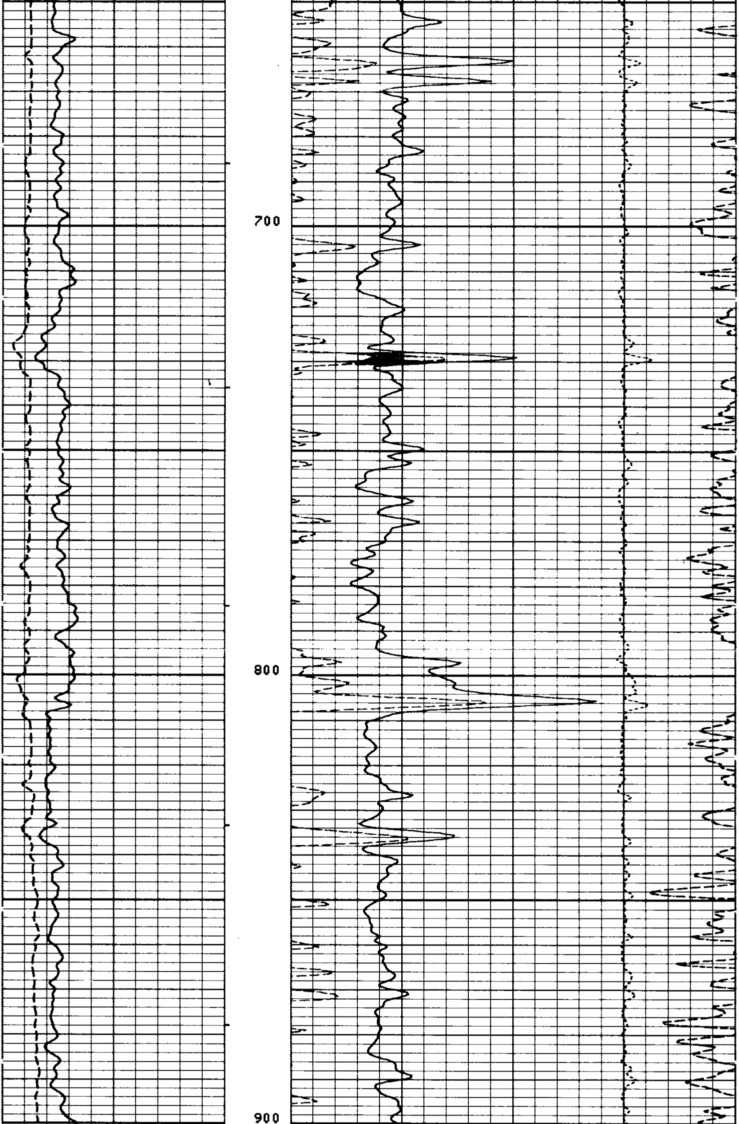
COMPANY AMERICAN QUASAR PETROLEUM COMPANY
WELL AQP LONGVIEW FIBRE NO. 25-32
FIELD MIST
COUNTY COLUMBIA STATE OREGON

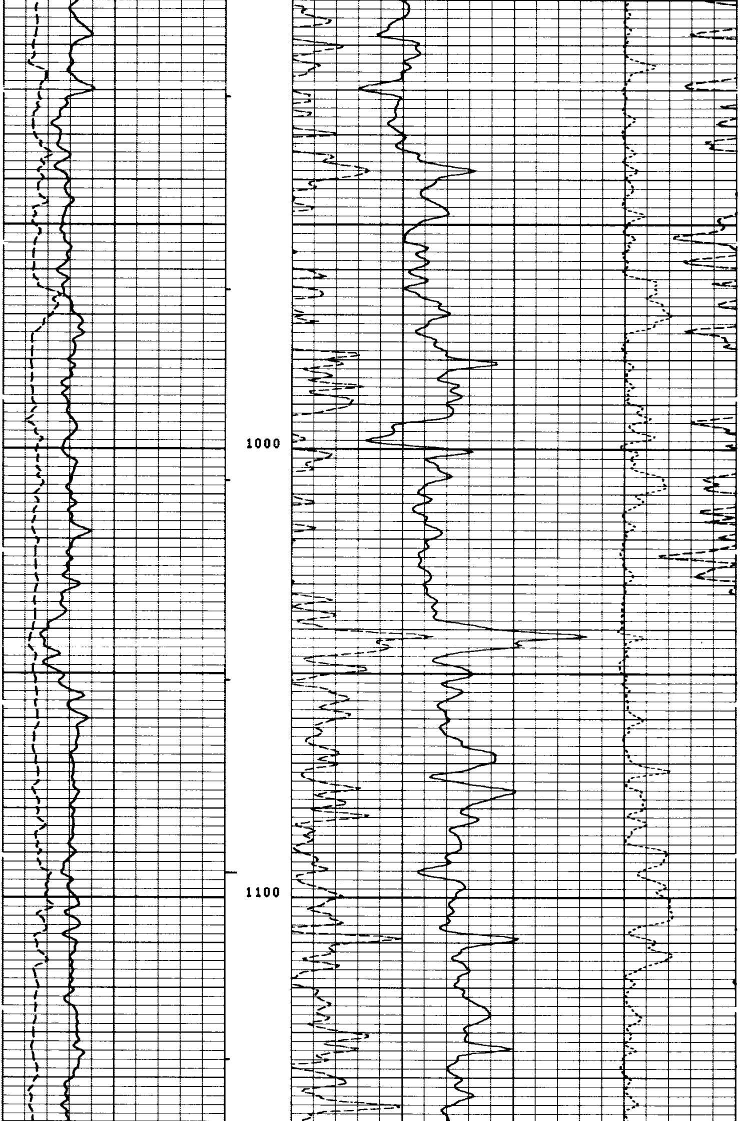
SCHL. FR 2895
SCHL. TD 2898
DRLR. TD 2902
Elev:
KB 888
DF --
GL 876

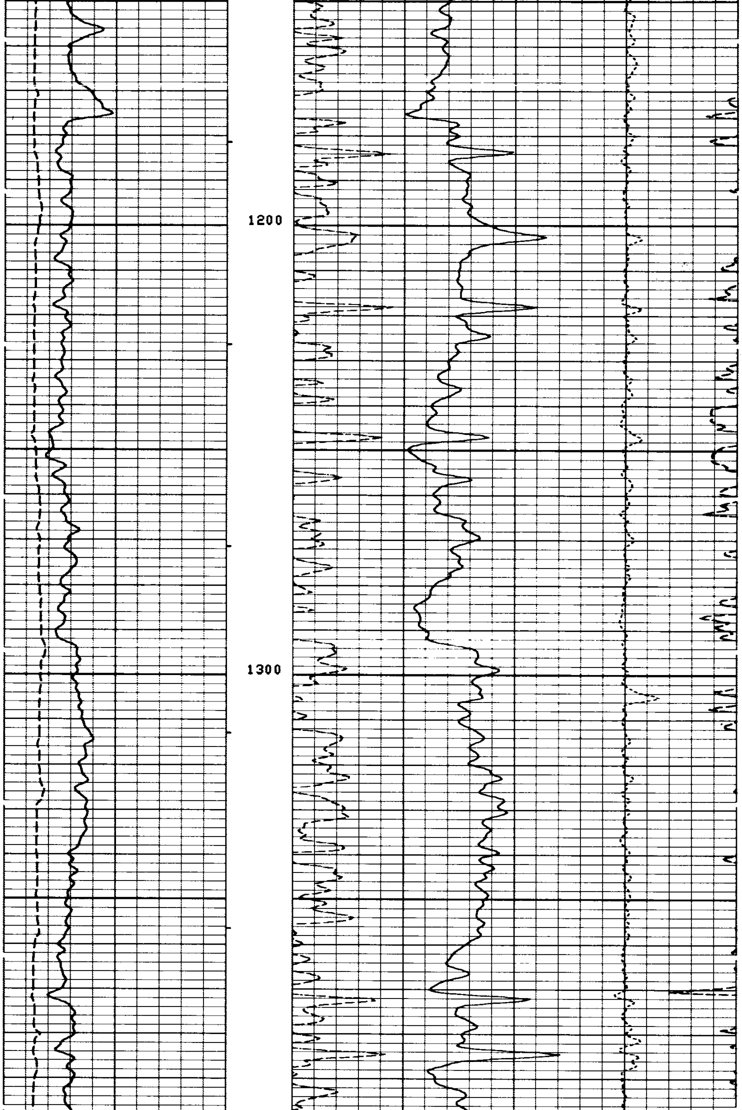
DETAIL LOG

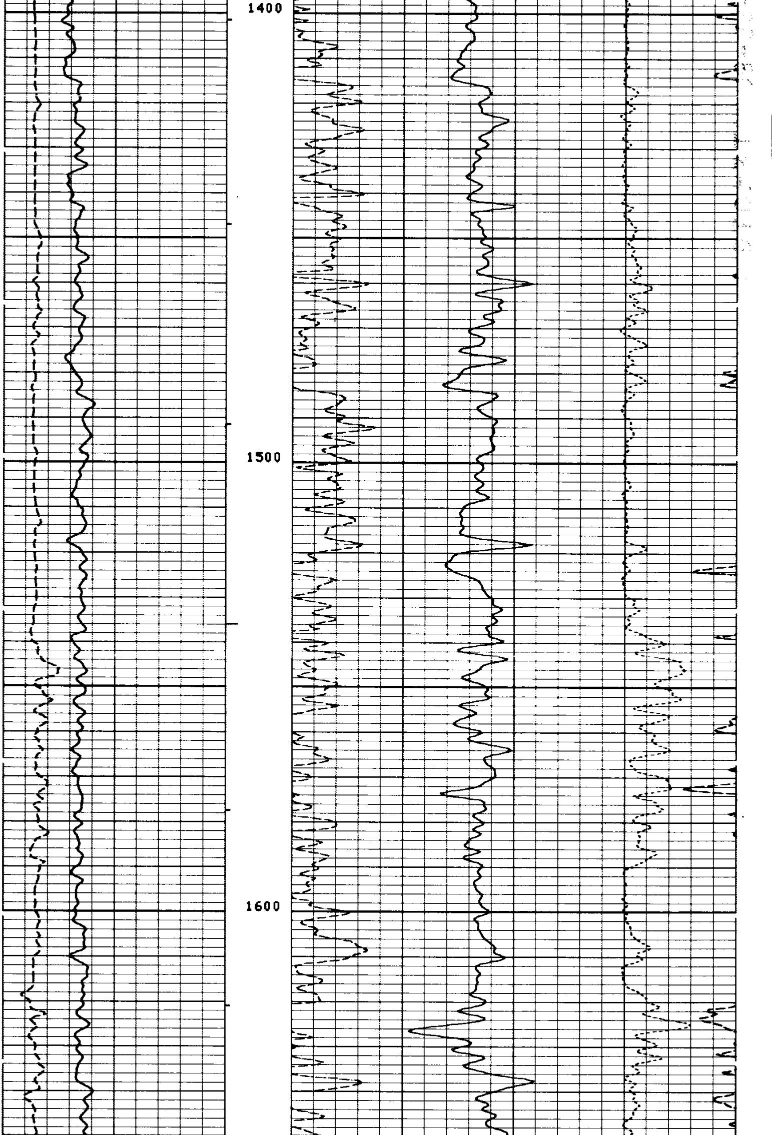
5″ = 100′

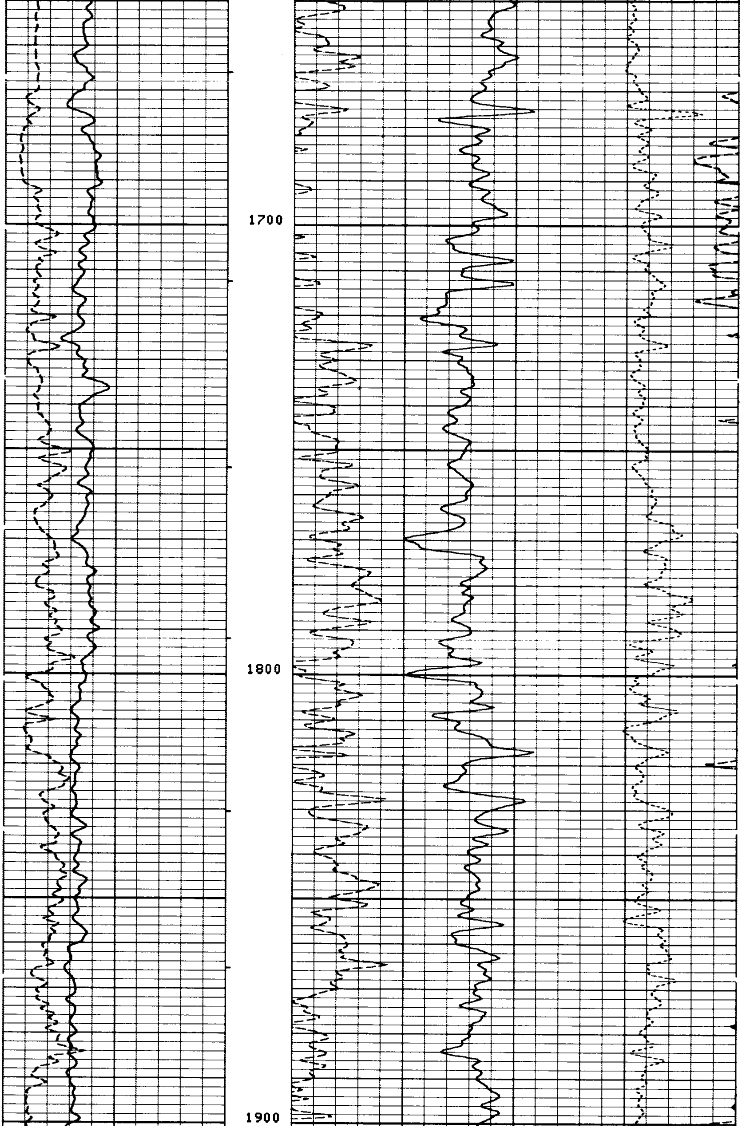


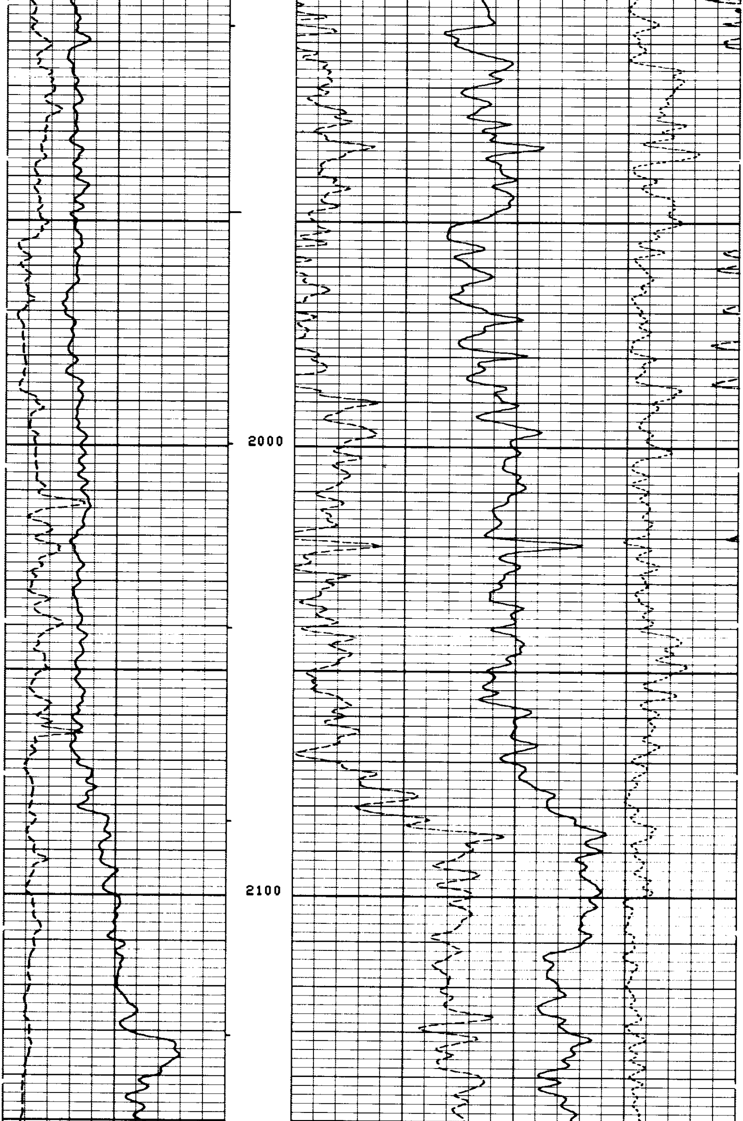


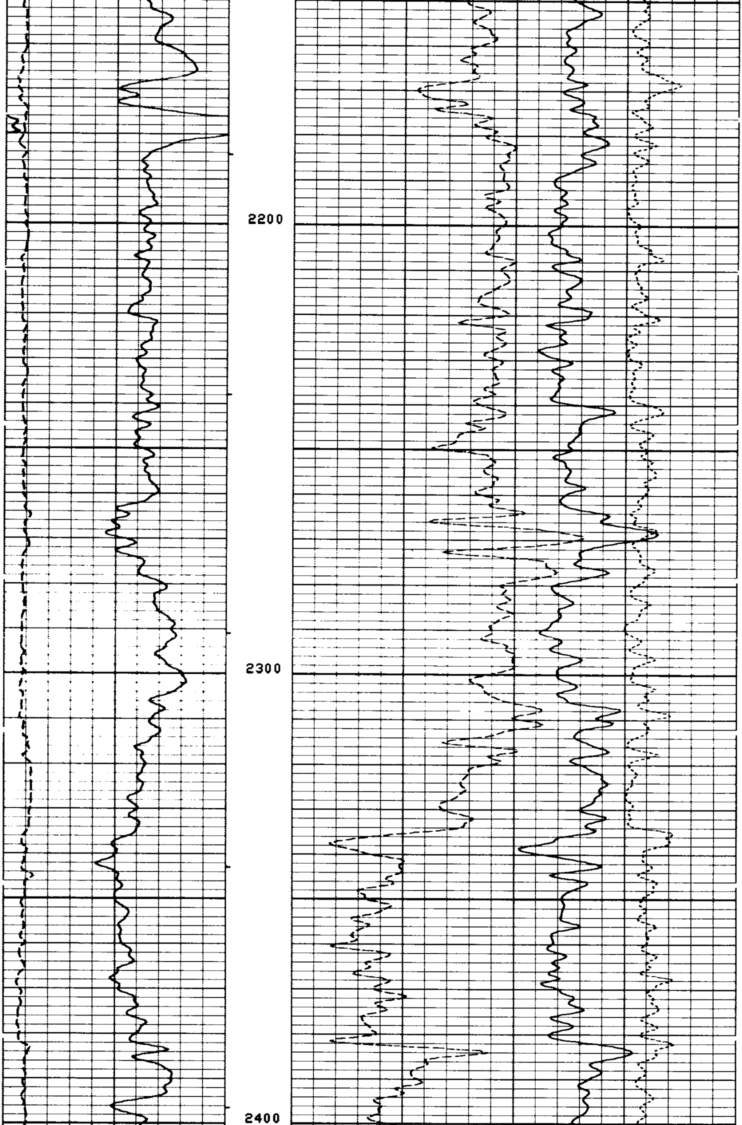


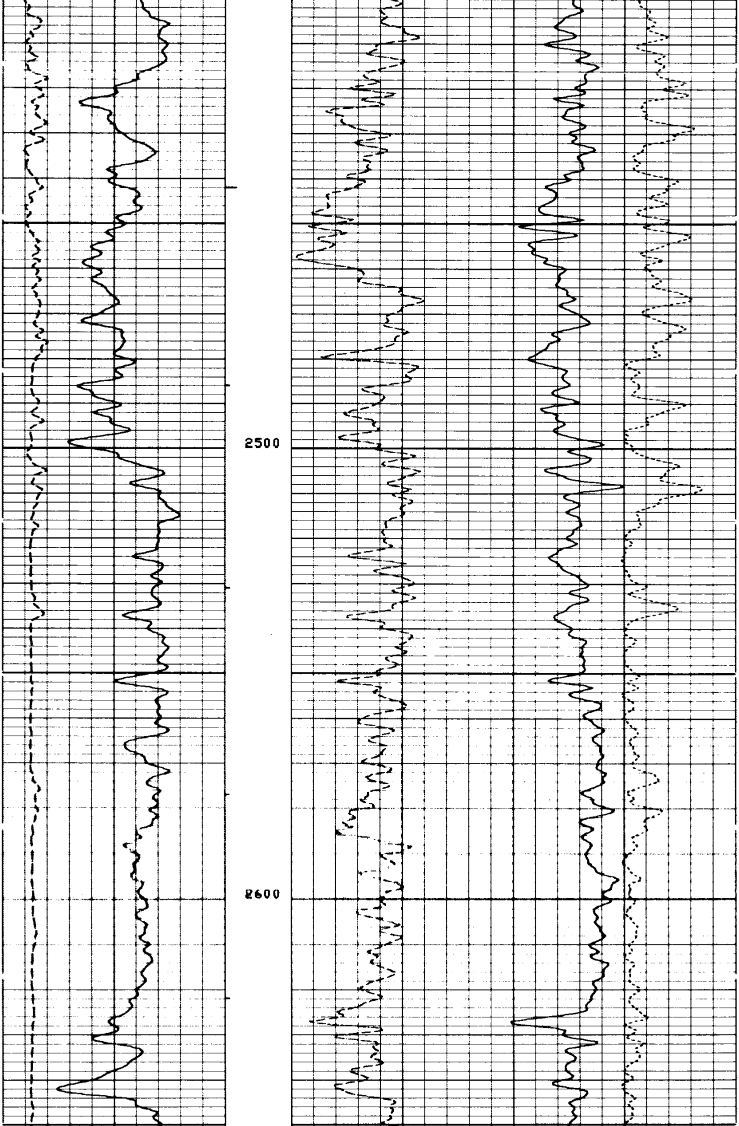


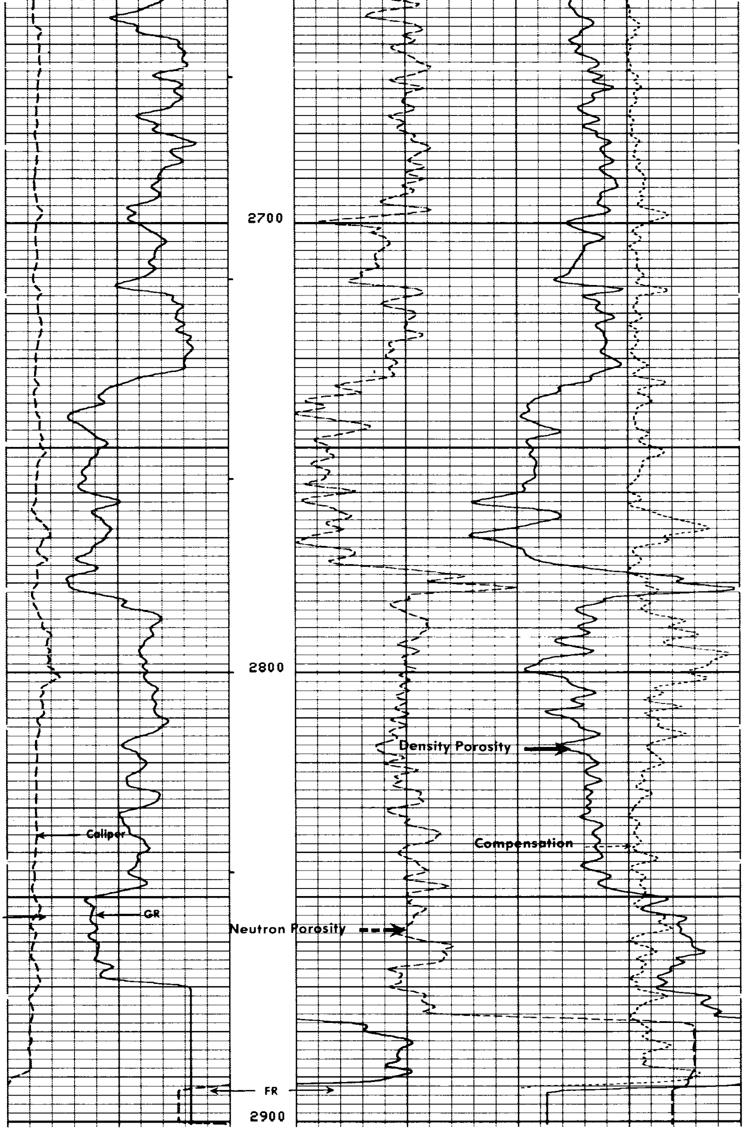




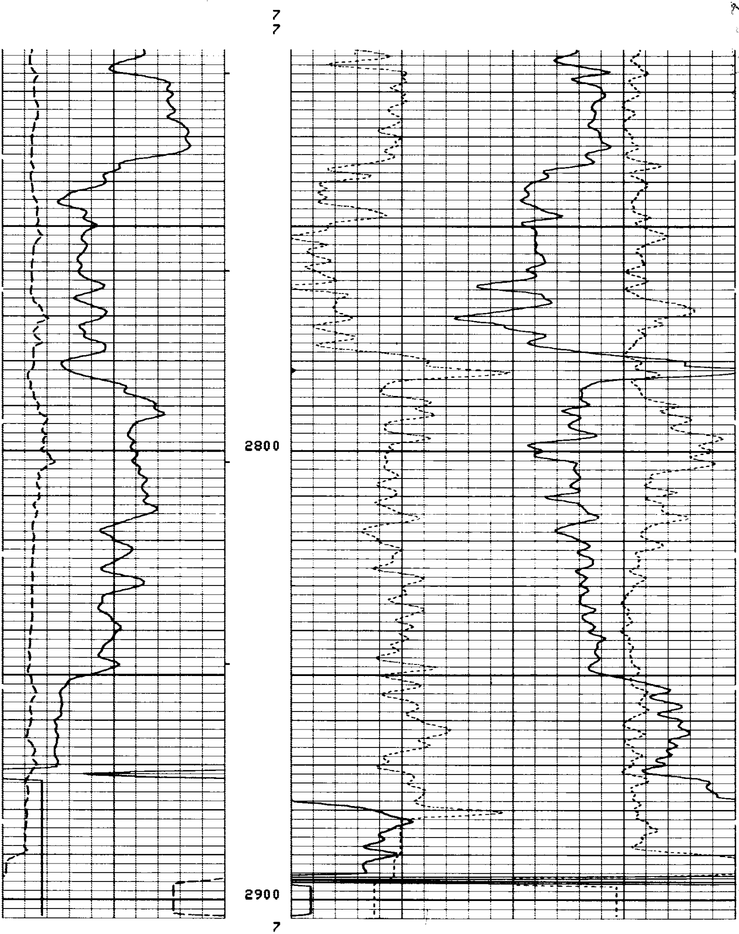


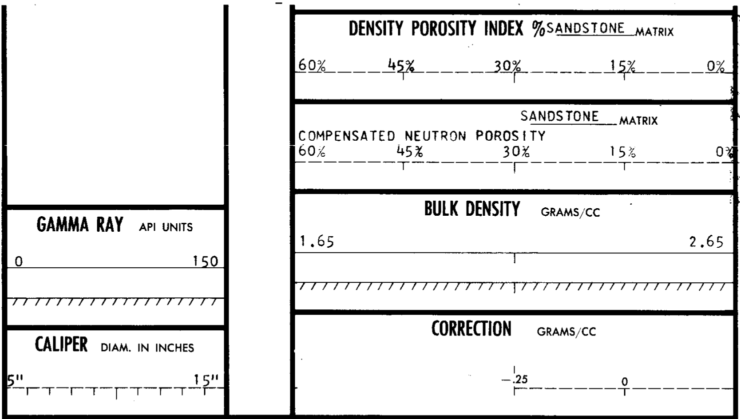






REPEAT SECTION





CALIBRATION RECORD

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                       5

               BEFORE SURVEY CALIBRATION SUMMARY

     PERFORMED:       80/02/04
     PROGRAM FILE:    NUC     (VERSION     14.4     79/ 6/ 1)

   SGTE                   DETECTOR CALIBRATION SUMMARY

                MEASURED
               BKGD     JIG          CALIBRATED          UNITS
       GR       81      246             165              GAPI

   CNTA                   DETECTOR CALIBRATION SUMMARY

                  TANK                             JIG
              INPUT   CALIBRATED           MEASURED    CALIBRATED
      NRAT    2.250      2.15                 2.24         2.15

   PGTE                   DETECTOR CALIBRATION SUMMARY

                  BLOCK                            JIG
              INPUT   CALIBRATED           MEASURED    CALIBRATED     UNITS
      FFDC     437       337                  447          344         CPS
      NFDC     857       528                  787          484         CPS

   PGTE                   CALIPER CALIBRATION SUMMARY

                MEASURED                        CALIBRATED
               SMALL    LARGE                 SMALL       LARGE       UNITS
      CALI      7.4     10.6                   8.0        12.0         IN
                              5
                              5
                              5
                              5
                              5
                              5
```

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                    AFTER SURVEY TOOL CHECK SUMMARY

     PERFORMED:        80/02/04
     PROGRAM FILE:     NUC     (VERSION     14.4     79/ 6/ 1)

   CNTA                              TOOL   CHECK

                                   JIG
                         BEFORE           AFTER
     NRAT                 2.15             2.13

     POROSITY CHANGE  (LIME): -0.001

   PGTE                              TOOL   CHECK

                                   JIG
                         BEFORE           AFTER       UNITS
     FFDC                 344              344         CPS
     NFDC                 484              500         CPS
                                    10
                                    10

     PERFORMED:        80/01/10
     PROGRAM FILE:     SHOP    (VERSION     14.4     79/ 6/ 1)

   CNTA                     DETECTOR CALIBRATION SUMMARY

                     TANK                          JIG
              MEASURED   CALIBRATED       MEASURED    CALIBRATED

     NRAT      2.25         2.15             2.27         2.17

                              (CNC:410   , CNB:594   )
```

FORMATION DENSITY COMPENSATED CALIBRATION CODING

1. MECHANICAL ZERO
2. RECORDER SENSITIVITY

PANEL TEST

POS	FDC LIQUID ρ	Δρ
3. # 1	2.92	.00
4. # 2	2.78	+.14
6. # 3	2.42	−.10
6. # 4	2.35	.00
7. # 5	2.08	.01

JAN.22, 1980
RED SET
PGS EC 426
PGC G 26
PDH E 253
PGC H 1240
SFT-106 1241
SOURCE 5199

8. MECHANICAL ZERO CALIPER
9. 8" RING
10. 12" RING
11. TOOL CALIBRATE #1 SET $\rho = 2.50$
12. TOOL CALIBRATE #2 SET $\Delta\rho = .00$
13. LOG POSITION $\rho = 2.59$, $\Delta\rho$ — .015

BLOCK-	JIG-
P_1= 437.0	P_1= 450.4
P_2= 857.5	P_2= 783.5

GAMMA RAY CALIBRATION CODING

1. MECHANICAL ZERO
2. ELECTRICAL ZERO
3. RECORDER SENSITIVITY
4. MEMORIZER ADJUSTMENT
5. BACKGROUND
6. CALIBRATE - SOURCE IN PLACE

CALIBRATION RECORD

COMPANY AMERICAN QUASAR PETROLEUM COMPANY
WELL AQP LONGVIEW FIBRE NO. 25-32
FIELD MIST
COUNTY COLUMBIA STATE OREGON

SCHL. FR 2895
SCHL. TD 2898
DRLR. TD 2902

Elev: KB 888
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