GL04467-12

**Schlumberger**

SIMULTANEOUS
# COMPENSATED NEUTRON-FORMATION DENSITY

COUNTY CHURCHILL
FIELD DIXIE VALLEY
LOCATION 14-23N-35E
WELL DIXIE FEDERAL 45-14
COMPANY THERMAL POWER CO.

**COMPANY** THERMAL POWER COMPANY

**WELL** DIXIE FEDERAL 45-14

**FIELD** DIXIE VALLEY

**COUNTY** CHURCHILL **STATE**

LOCATION NORTHEAST ¼ OF NORTHEAST ¼ SOUTHWEST ¼ OF

| API SERIAL NO. | SEC. | TWP. | RANGE |
|---|---|---|---|
|  | 14 | 23N | 35E |

Other Services:

Permanent Datum: GL ; Elev.: 3410
Log Measured From KB , 22 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 3432
D.F. --
G.L. 3410

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Date | | | 6-9-79 | | 6-28-79 | | | |
| Run No. | | | ONE | | TWO | | | |
| Depth—Driller | | | 5405 | | 8534 | | | |
| Depth—Logger | | | 5414 | | 8535 | | | |
| Btm. Log Interval | | | 5413 | | 8535 | | | |
| Top Log Interval | | | 1337 | | 5396 | | | |
| Casing—Driller | @ | | 13⅜" @ 1330 | | 9⅝" @ 5398 | | @ | |
| Casing—Logger | | | 1337 | | 5396 | | | |
| Bit Size | | | 12¼" | | 8½" | | | |
| Type Fluid in Hole | | | MAGCOBAR | | WATER | | | |
| Dens. \| Visc. | | | 69 | 63 | 62.4 | 1 | | |
| pH \| Fluid Loss | | ml | 10.2 | N/A ml | 8 | -- ml | | ml |
| Source of Sample | | | FLOWLINE | | FLOWLINE | | | |
| Rm @ Meas. Temp. | @ | °F | 0.75 @125 °F | | 1.95 @ 82 °F | | @ | °F |
| Rmf @ Meas. Temp. | @ | °F | 1.62 @ 64 °F | | -- @ -- °F | | @ | °F |
| Rmc @ Meas. Temp. | @ | °F | 1.01 @ 78 °F | | -- @ -- °F | | @ | °F |
| Source: Rmf \| Rmc | | | M | M | M | M | | |
| Rm @ BHT | @ | °F | 0.39 @242 °F | | 0.46 @ 372 °F | | @ | °F |
| TIME Circulation Stopped | | | 2200 | | 2000 6-27-79 | | | |
| TIME Logger on Bottom | | | 530 | | 745 | | | |
| Max. Rec. Temp. | | °F | 242 °F | | 372 °F | | | °F |
| Equip. \| Location | | | 7763 | SAC | 8128 | SAC | | |
| Recorded By | | | BRASFIELD/HUFFMAN | | LINDGREN (RUN TWO) | | | |
| Witnessed By Mr. | | | RUDISILL | | DELEON | | | |

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

| | | | | |
|---|---|---|---|---|
| **RUN NO.** | | ONE | TWO | |
| Service Order No. | | 24849 | 83008 | |
| Fluid Level | | FULL | FULL | |
| Salinity, PPM CL. | | --- | --- | |
| Speed - F.P.M. | | 30 | 30 | |
| **EQUIPMENT DATA** | | | | |
| Dens. Panel | | EJ-1352 | BB-443 | |
| Dens. Cart. | | G - 213 | G-189 | |
| Dens. Skid. | | E - 231 | E-206 | |
| Dens. Sonde | | ED- 472 | EC-392 | |
| Dens. Source | | 5146 | 5199 | |
| Dens. Calibrator | | 530 | SFT-106 | |
| Neut. Panel | | BA- 39 | --- | |
| Neut. Cart. | | A - 409 | --- | |
| Neut. Source | | 495 | --- | |
| Neut. Calibrator | | AB- 594 | --- | |
| GR Cart. | | 1410 | JC-2087 | |
| Memorizer Panel | | CA- 209 | --- | |
| Tape Recorder (TTR) | | 2927 | --- | |
| Depth Encoder (DRE) | | 2733 | --- | |
| Pressure Wheel (CPW) | | H - 998 | --- | |
| Centralizers: Enter Spring, Standoffs, In-line, or None | Type | B-SPRING | --- | |
| | No. | 1 | --- | |
| | S. O. — Inches | --- | --- | |
| **CALIBRATION DATA** | | | | |
| GR | BKG. CPS | 48 | 31 | |
| | Source CPS | 282 | 198 | |
| | Sens. - Cal | 0-200 | 165 | |
| | T. C. - Cal | 2 | 2 | |
| CNL | Short Spacing - Before Log | 354 | - | |
| | Long Spacing - Before Log | 156 | - | |
| | Short Spacing - After Log | 353 | - | |
| | Long Spacing - After Log | 156 | - | |
| FDC | P¹ — Before Log | 94.3 | 741 | |
| | P² — Before Log | 158.0 | 744 | |
| | P¹ — After Log | 94.6 | 410 | |
| | P² — After Log | 158.7 | 408 | |

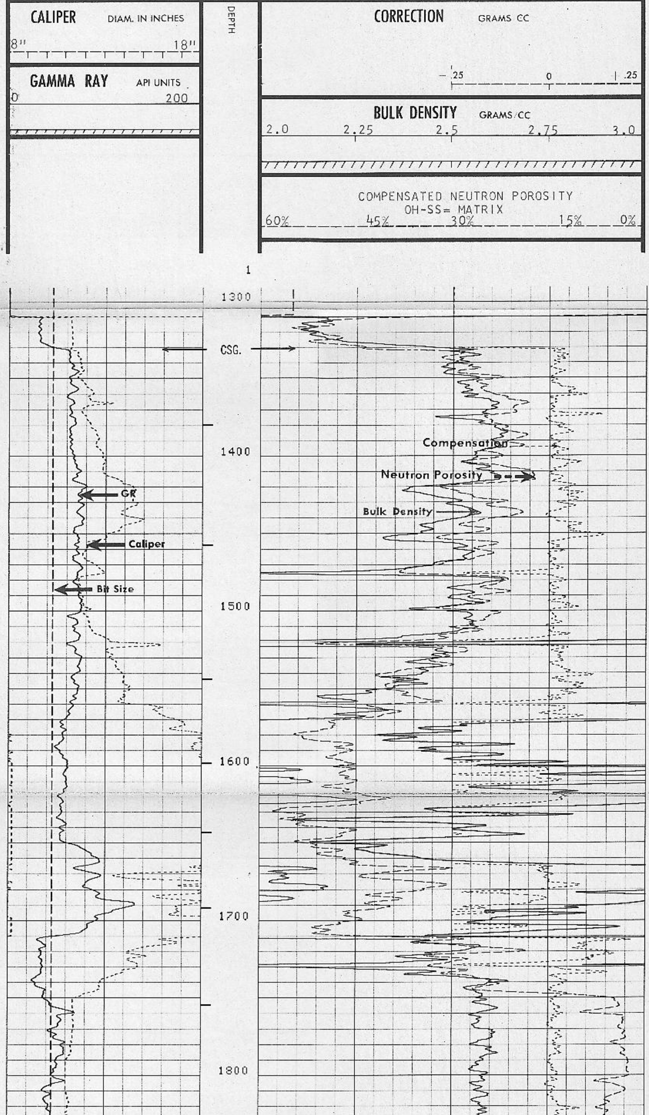
| Type Log | Depth | | |
|---|---|---|---|
| | | | |

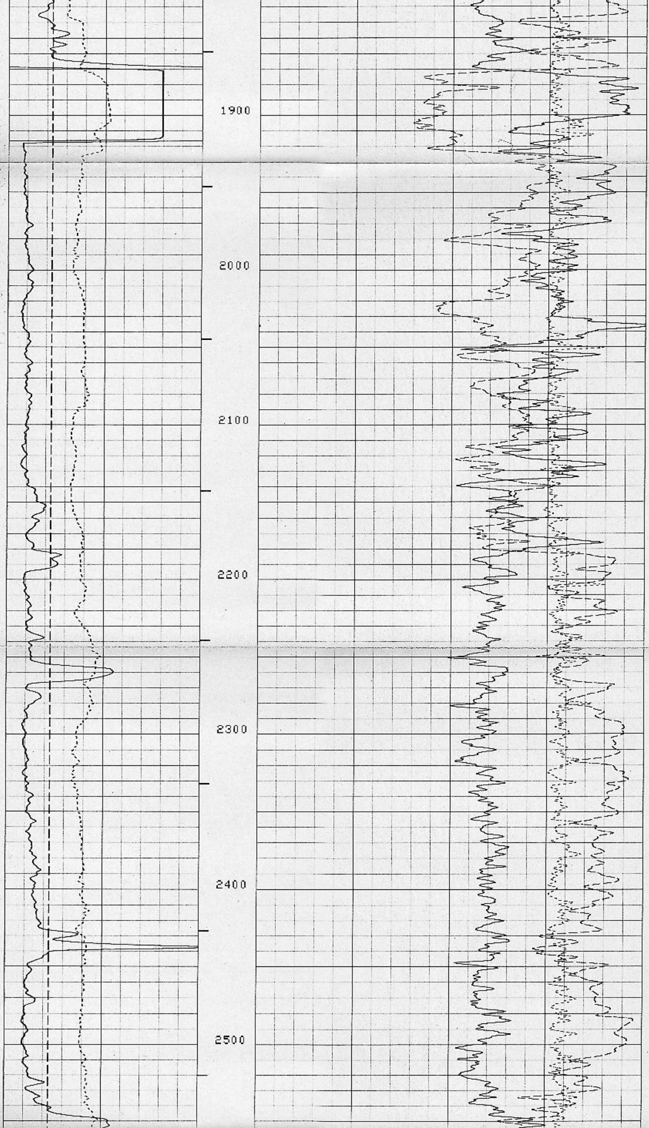
**REMARKS:**

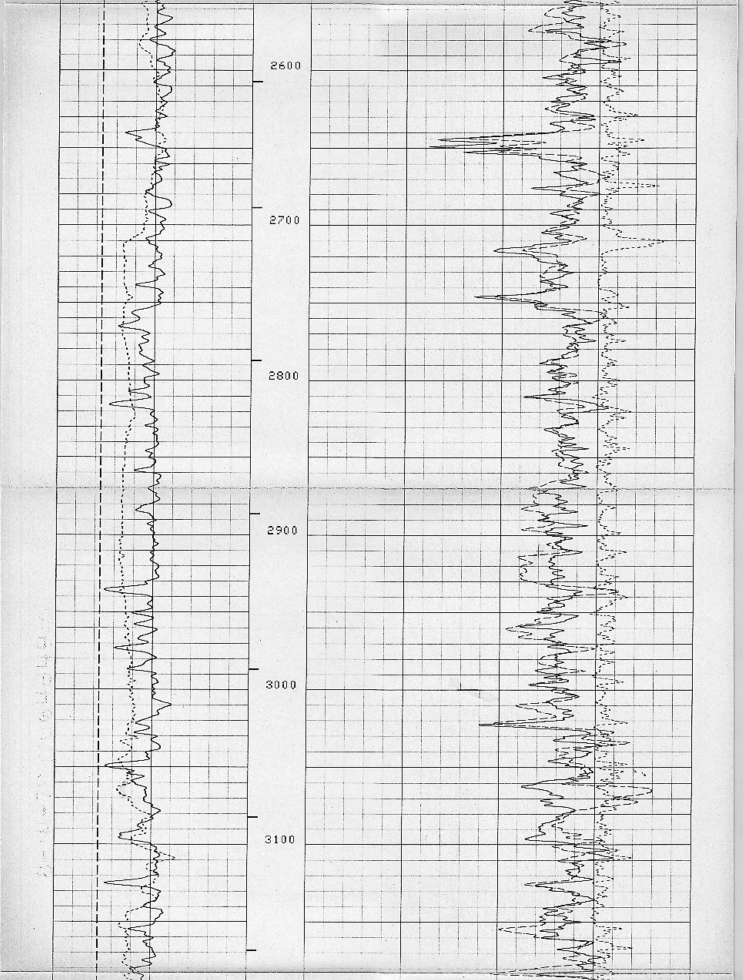
## LOGGING DATA

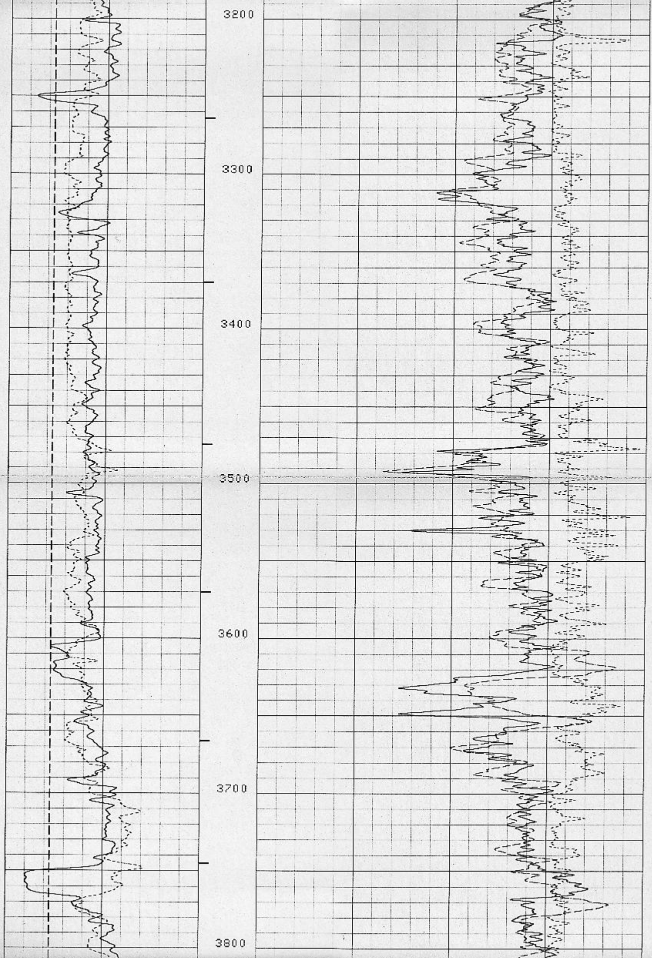
| DEPTH | | CNP | | | FDC | | | | GR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Top | Bottom | Porosity Scale | Matrix | Auto Corr. or Hole Size Setting | Porosity Scale | Grain Density | Liquid Density | Hole Fluid | Sens. Logged | T. C. | Zero. Div. Left | Scale Per 100 Div. |
| 1337 | 5413 | 60-0 | OH-SS | AUTO | --- | 2.68 | 1 | LIQ. | 0-200 | 2 | 0 | 200 |
| 5396 | 8535 | -- | -- | -- | --- | 2.68 | 1 | LIQ. | 165 | 2 | 0 | 0-200 |

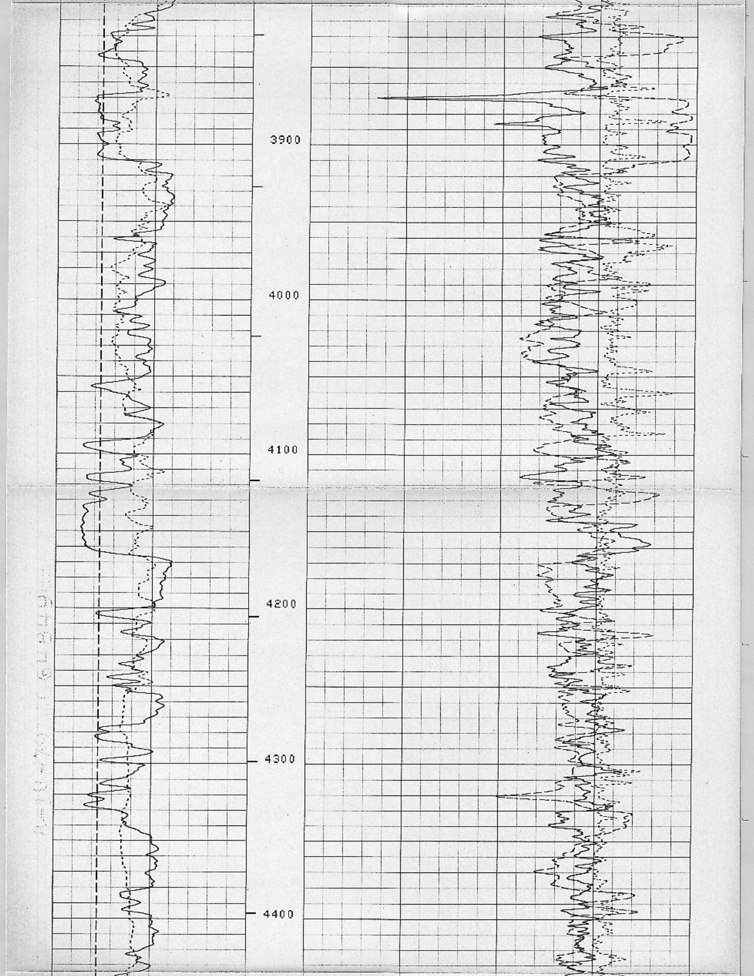
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

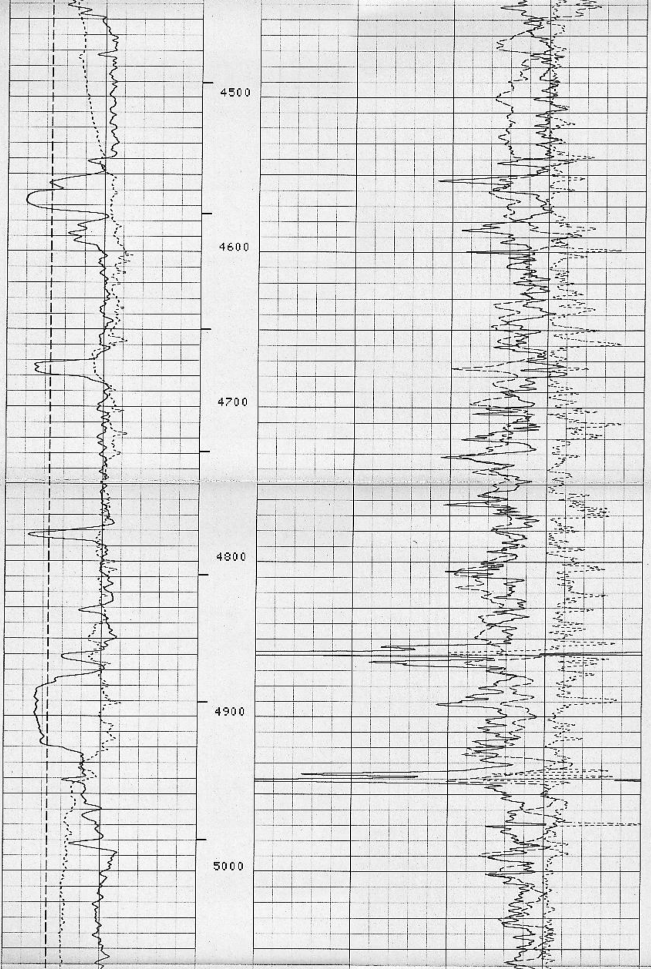


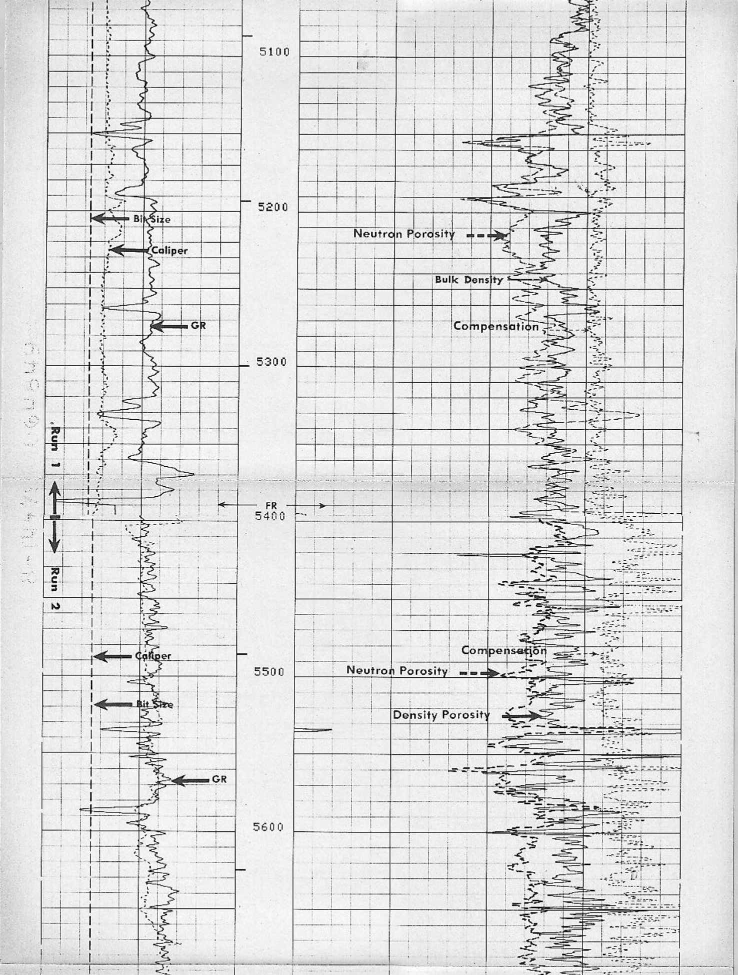


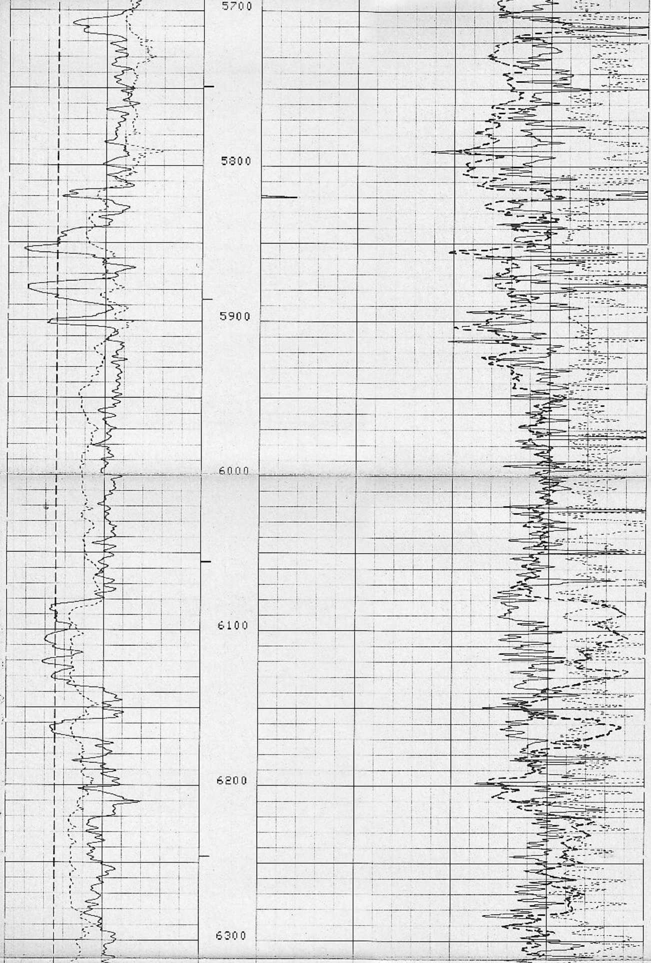


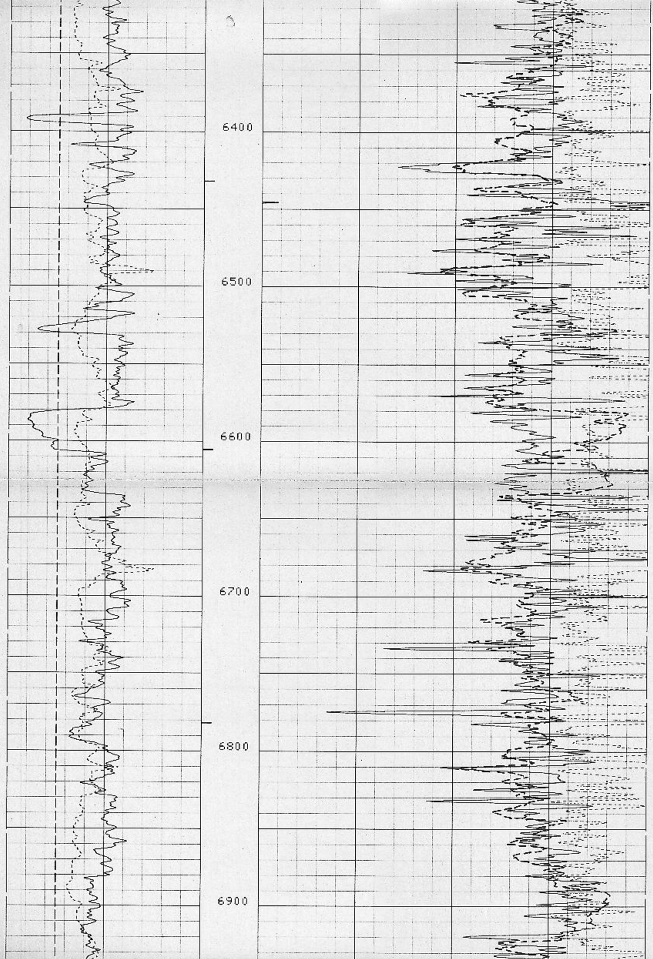


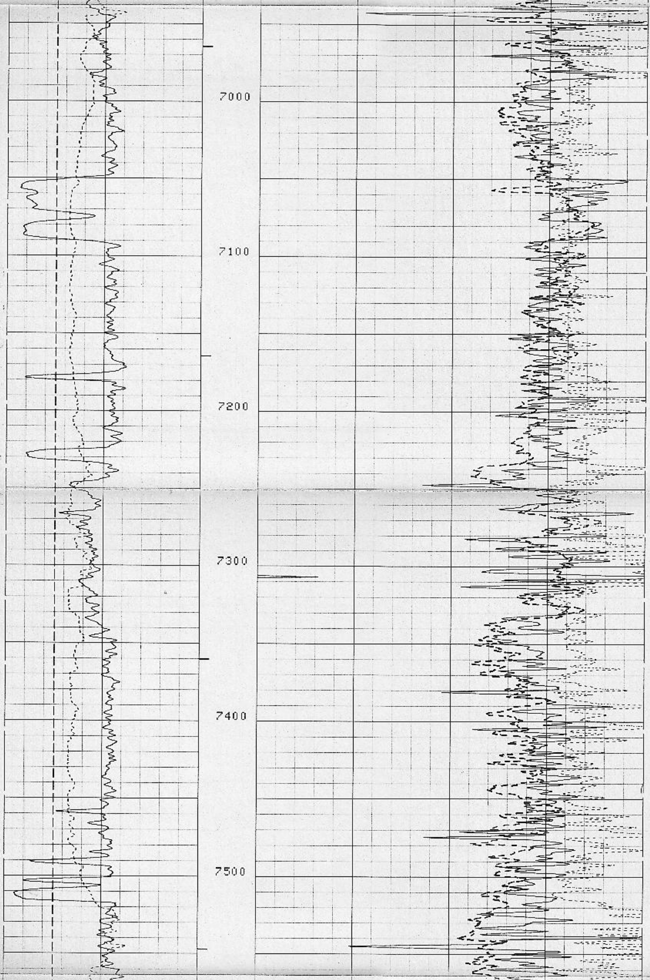


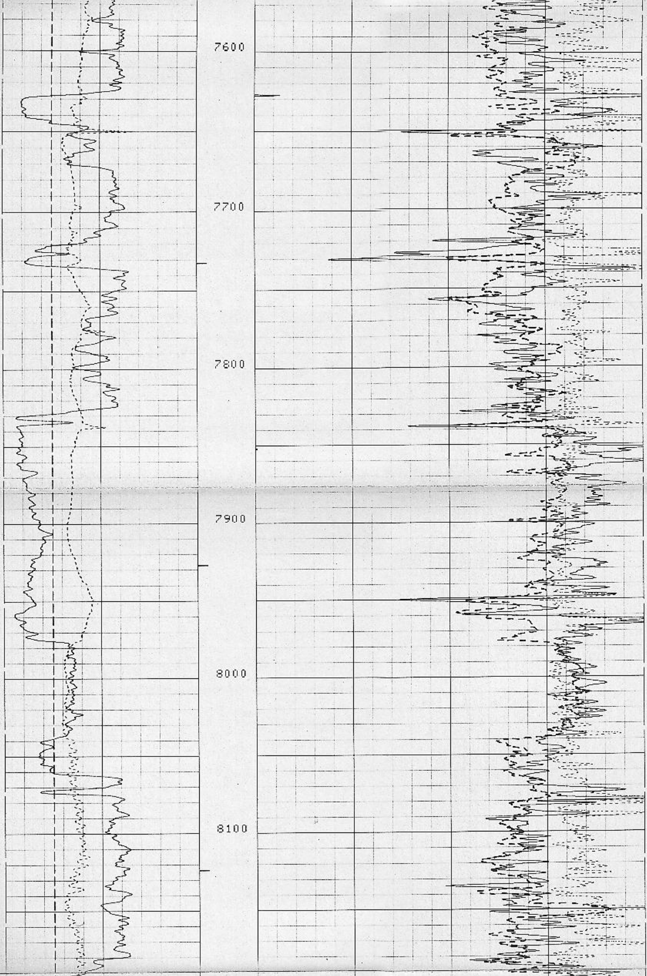


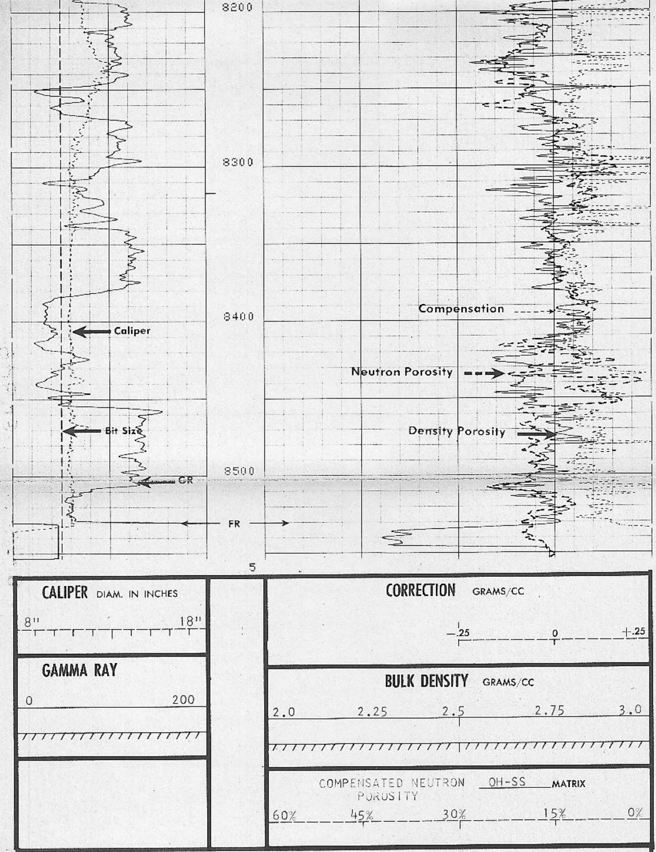












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FIELD DIXIE VALLEY
COUNTY CHURCHILL STATE NEVADA

SCHL. FR 8535
SCHL. TD 8535
DRLR. TD 8534
Elev:
KB 3432
DF --
GL 3410