



# DUAL SPACED ELEMENT BOND LOG

Company **MULL DRILLING COMPANY, INC.**

Well #1-14 TALLMAN FARMS "A"

Field WILDCAT

County KIOWA State COLI OBAD

| Location | Other Services |
|----------|----------------|
|          |                |

13841 ESI &amp; 6051 EMI

SEC 14 TWP 18S RGE 45W

| Permanent Datum | GBQ IND   ELEV | Elevation | 3037 | Elevation |
|-----------------|----------------|-----------|------|-----------|
|-----------------|----------------|-----------|------|-----------|

[illegible]

| Measuring Instrument | Model    | Date |
|----------------------|----------|------|
| 1-13-2010            | 2-1-2010 |      |

|      |       |
|------|-------|
| ONE  | THREE |
| 5050 | 4800  |

|      |      |  |
|------|------|--|
| 5000 | 4797 |  |
| 4997 | 4794 |  |

|        |  |  |
|--------|--|--|
| 4450   |  |  |
| 5 1/2" |  |  |

|       |  |  |  |
|-------|--|--|--|
| WATER |  |  |  |
|-------|--|--|--|

|  |      |  |
|--|------|--|
|  | 4814 |  |
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|                    |  |
|--------------------|--|
| TR-4               |  |
| CHEYENNE WELLS, CO |  |

|            |  |  |
|------------|--|--|
| HENDERSON  |  |  |
| BILL STUTZ |  |  |

| Rehole Record | Tubing Record |    |      |        |      |
|---------------|---------------|----|------|--------|------|
|               | From          | To | Size | Weight | From |

|    |     |      |  |  |  |
|----|-----|------|--|--|--|
| 4" | 0   | 335  |  |  |  |
| 8" | 335 | 5050 |  |  |  |

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|--------|-------|-----|--------|
| Size   | WGUH1 | 10p | Bottom |
| 8 5/8" | 24#   | 0   | 335    |

|        |       |   |      |
|--------|-------|---|------|
| 5 1/2" | 15.5# | 0 | 5042 |
|--------|-------|---|------|

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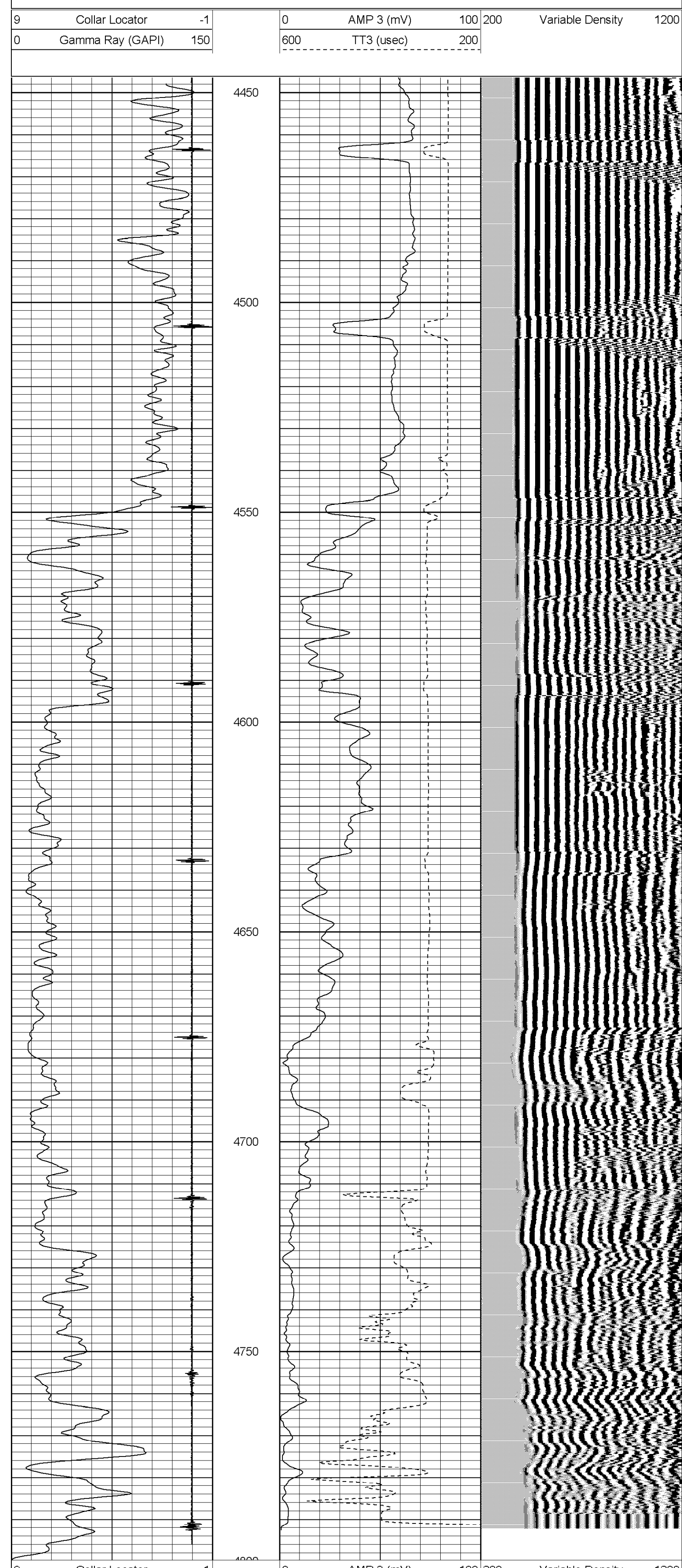
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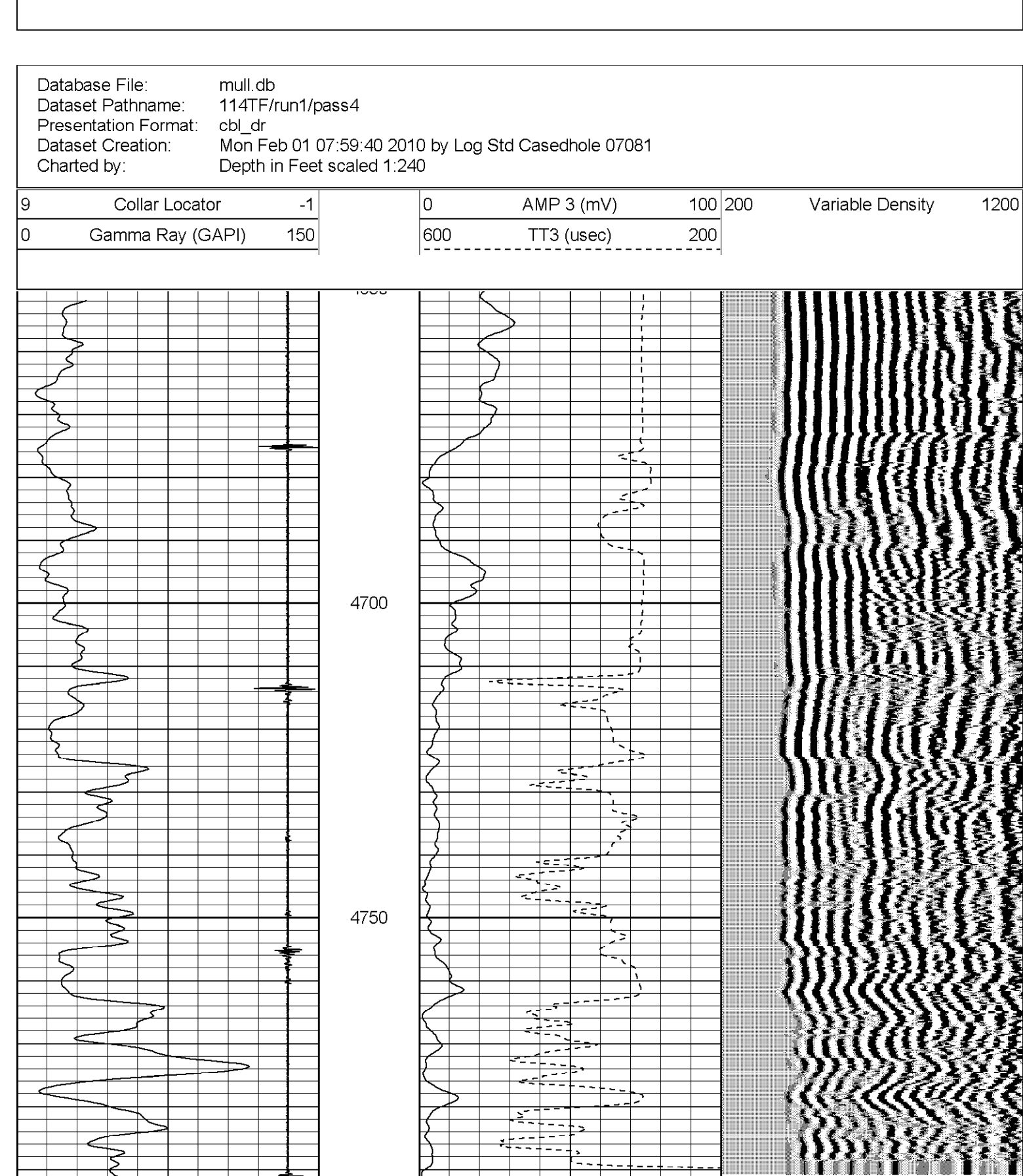
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## Comments

|                      |   |
|----------------------|---|
| Database File:       | mult.db   |
| Dataset Pathname:    | 114TF/run1/pass5                                    |
| Presentation Format: | cbL_dr  |
| Dataset Creation:    | Mon Feb 01 08:05:11 2010 by Log Std Casedhole 07081 |
| Charted by:          | Depth in Feet scaled 1:240                          |



|   |                  |     |     |            |     |     |                  |      |
|---|------------------|-----|-----|------------|-----|-----|------------------|------|
| 9 | Collar Locator   | -1  | 0   | AMP 3 (mV) | 100 | 200 | variable Density | 1200 |
| 0 | Gamma Ray (GAPI) | 150 | 600 | TT3 (usec) | 200 |     |                  |      |
|   |                  |     |     |            |     |     |                  |      |



00 TT3 (usec

|                |         |                    |
|----------------|---------|--------------------|
| Database File: | mull.db | Calibration Report |
|----------------|---------|--------------------|

## 061120CB

|                                    |                          |          |
|------------------------------------|--------------------------|----------|
| Serial Number:                     | 001120GR                 |          |
| Tool Model:                        | PROBE                    |          |
| Performed:                         | Wed Jan 20 09:24:26 2010 |          |
| Calibrator Value:                  | 1.0                      | GAPI     |
| Background Reading:                | 0.0                      | cps      |
| Calibrator Reading:                | 1.0                      | cps      |
| Sensitivity:                       | 1.0000                   | GAPI/cps |
| Cement Bond Log Calibration Report |                          |          |

## 2848.74 ft

|                         |            |            |    |
|-------------------------|------------|------------|----|
| Depth:                  | 2040.74    | ft         |    |
| Casing Diameter:        | 5.5        | in         |    |
|                         | 3' Spacing | 5' Spacing |    |
| Signal Zero:            | 0          | 0          | mV |
| Calibrated Amplitude:   | 71.921     | 71.921     | mV |
| Reading at Signal Zero: | -0.015     | 0          | V  |
| Reading in Free Pipe:   | 1.25818    | 1.23201    | V  |
| Gain:                   | 56.4893    | 58.3771    |    |
| Offset:                 | 0.847339   | 0          |    |