



# GAMMA RAY NEUTRON COMPLETION LOG

**PRELIMINARY  
SERVICES, INC.  
CHANUTE, KANSAS**

TOWN OIL COMPANY INC.

WORKDAY #300

|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99  | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |     |

|           |                            |               |
|-----------|----------------------------|---------------|
| Location: | API # : 15-107-24864-00-00 | Other Service |
|-----------|----------------------------|---------------|

SWNE NWNE

| Permanent Datum | G.L. | Elevation | 1001' EST B |
|-----------------|------|-----------|-------------|
|                 |      |           |             |

| Timing Measured From | G.L. | G.L. |
|----------------------|------|------|
|----------------------|------|------|

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| I-NEW WELL |  |  |
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|  | TOTAL |  |
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TOWN, L.

|          |  |  |  |
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| LOWN, L. |  |  |  |
|----------|--|--|--|

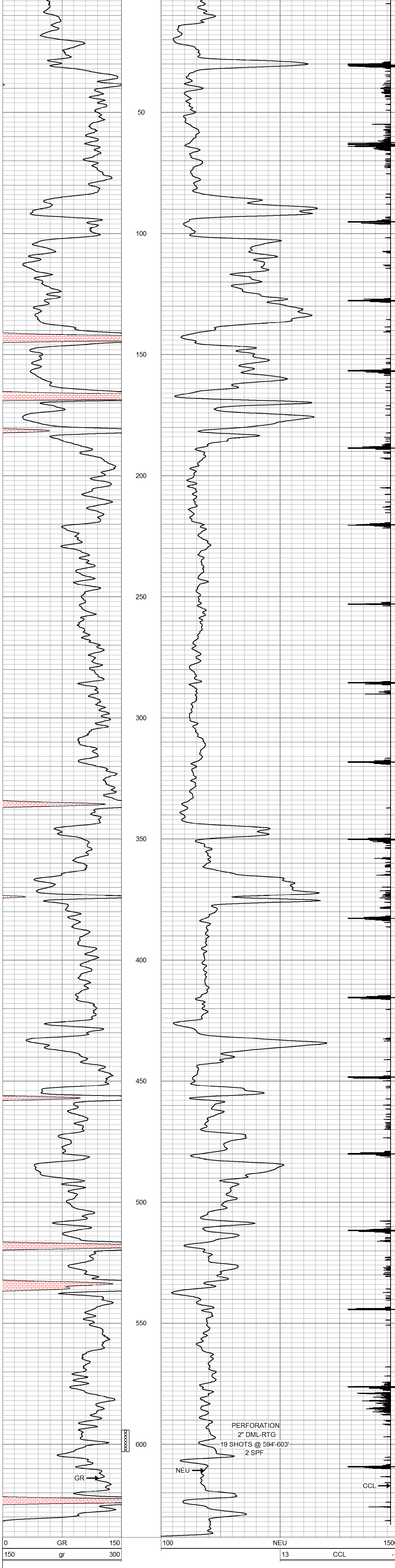
Comments

THANK YOU

| Sensor | Offset (ft) | Schematic                                                                                                             | Description                                           | Len (ft) | OD (in) | Wt (lb) |
|--------|-------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------|---------|---------|
| GR     | 7.59        |                                                                                                                       | GR-TITAN_169 (TIT169_001)<br>Titan 1 11/16" Gamma Ray | 4.75     | 1.69    | 20.00   |
| CCL    | 5.05        |                                                                                                                       | CCL-TITAN_169 (TIT169)<br>Titan 1 11/16" Logging CCL  | 1.83     | 1.69    | 7.50    |
| NEU    | 0.63        |                                                                                                                       | NEU-TITAN_169 (TIT169_001)<br>Titan 1 11/16" Neutron  | 4.33     | 1.69    | 20.00   |
|        |             | Dataset: worihaye #500.db: field/well/run1/pass1<br>Total Length: 10.92 ft<br>Total Weight: 47.50 lb<br>O.D.: 1.69 in |                                                       |          |         |         |

|                      |  |                                                     |  |
|----------------------|--|-----------------------------------------------------|--|
| Dataset Pathname:    |  | pass1                                               |  |
| Presentation Format: |  | gr-n-ccl                                            |  |
| Dataset Creation:    |  | Tue Nov 26 13:24:03 2013 by Log Std Casedhole 07122 |  |
| Charted by:          |  | Depth in Feet scaled 1:240                          |  |

|     |    |     |  |     |     |     |
|-----|----|-----|--|-----|-----|-----|
| 0   | GR | 150 |  | 100 | NEU | 150 |
| 150 | gr | 300 |  |     | 13  | CCL |



|         |                               |
|---------|-------------------------------|
| Company | TOWN OIL COMPANY, INC.        |
| Well    | WOIRHAYE #500                 |
| Field   | GOODRICH-PARKER               |
| County  | LINN SEC. 2 TWP. 20S RGE. 22E |
| State   | KANSAS Date 11/26/2013        |