**RELIANCE**
OILFIELD SERVICES

# Pulsed Neutron
# Gamma Ray
# Casing Collar Log

Company TEP Rocky Mountain LLC
Well Chevron TR 22-23-597
Field Trail Ridge
County Garfield
State Colorado

|  |  |  |  |
|---|---|---|---|
| Company | TEP Rocky Mountain LLC | | |
| Well | Chevron TR 22-23-597 | | |
| Field | Trail Ridge | | |
| County | Garfield | State | Colorado |

Location: API # : 05-045-23464
2540' FNL & 1446' FEL SWNE
SEC 23 TWP 5S RGE 97W

Other Services
RBL

|  |  |  |  |
|---|---|---|---|
| Permanent Datum | Ground Level | Elevation | 8545.2' |
| Log Measured From | Kelly Bushing | 24 FT | |
| Drilling Measured From | Kelly Bushing | | |

Elevation
K.B. 8569.2'
D.F. 8568.2'
G.L. 8545.2'

|  |  |  |  |
|---|---|---|---|
| Date | 07-SEPT-2017 | | |
| Run Number | One | | |
| Depth Driller | 10229 FT | | |
| Depth Logger | 10192 FT | | |
| Bottom Logged Interval | 10194 FT | | |
| Top Log Interval | 6086 FT | | |
| Open Hole Size | 8.750" | | |
| Type Fluid | Fresh Water | | |
| Density / Viscosity | 8.34 lb/gal | | |
| Max. Recorded Temp. | --- | | |
| Estimated Cement Top | --- | | |
| Time Well Ready | --- | | |
| Time Logger on Bottom | --- | | |
| Equipment Number | --- | | |
| Location | Grand Junction, CO | | |
| Recorded By | A. Rivera | | |
| Witnessed By | J. Skalla | | |

| Borehole Record | | | | Tubing Record | | | |
|---|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Casing Record | Size (in) | Wgt (lbs/Ft) | Grade | Top | Bottom |
|---|---|---|---|---|---|
| Surface Casing | 9 5/8 | 32.3 | H-40 | Surface | 3013 FT |
| Intermediate #1 | 4 1/2 | 11.6 | P-110 | Surface | 10191 FT |
| Intermediate #2 | | | | | |
| Liner | | | | | |

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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 interpretation, 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 our general terms and conditions set out in our current Price Schedule.

Comments

Log ran as per customer request
Depth referenced to Reliance Bond Log dated 04-SEPT-2017
Log ran from 10094 FT to 6086 FT
PDN data logged with Anteres Pulsed Neutron Tool

Thank you for choosing Reliance Oilfield Services, LLC!!

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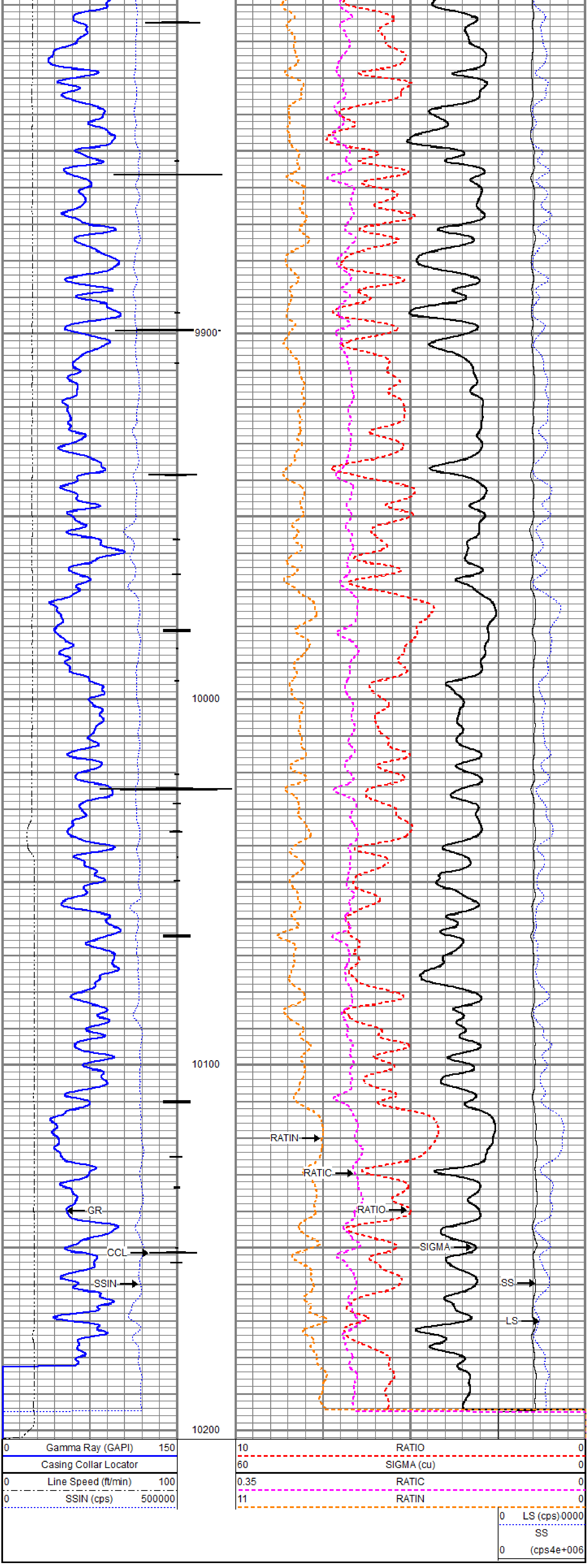
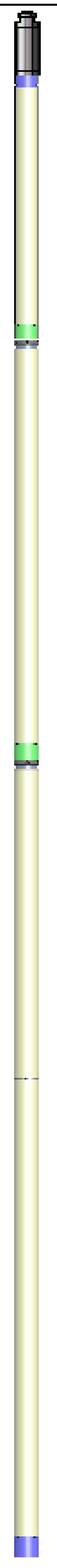
# Main Pass

|  |  |
|---|---|
| Database File | tep_chevron tr 22-23-597_pdn_09-07-17\processed_tep_chevron tr 22-23-597_pdn_09-07-17.db |
| Dataset Pathname | main/tr_22-23-597_pdn_shift |
| Presentation Format | ros_pdn |
| Dataset Creation | Sun Sep 10 18:49:33 2017 |
| Charted by | Depth in Feet scaled 1:240 |



| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|---|---|---|---|---|---|---|
| | |  | Titan_Electric_Cable_Heads-Titan_1-11/1<br>Electric Cable Head with 1" Fishing Neck | 1.03 | 1.69 | 5.40 |
| | | | Telemetry-Antares<br>Antares Telemetry / Gamma / CCL | 4.07 | 1.70 | 17.60 |
| | | | Generator-Antares<br>Antares Neutron Generator | 19.03 | 1.70 | 85.80 |

Dataset: pdn tool.db: field/well/run1/PDN_Tool_Diagram
Total length: 24.13 ft
Total weight: 108.80 lb
O.D.: 1.70 in

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