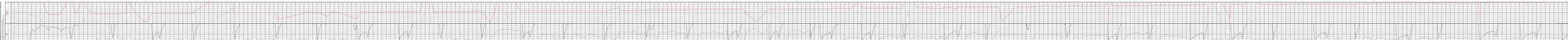
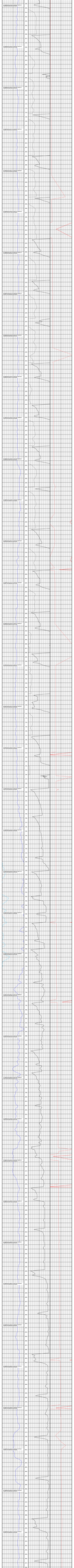
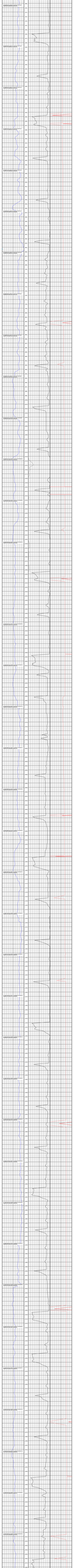
**SHELTON 2596-25-02**

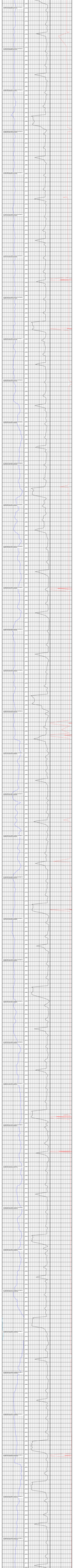
Operator: Shelton Operating Co.
Lease: Shelton 2596-25-02
Well No.: 1
Field: Wildcat
County: Ellis
State: Kansas
Date: 2-Jan-2026
Time: 12:00 AM
Depth: 3,500 ft
Mud Type: Gel Chem
Mud Wt: 9.0 ppg
Vis: 55 sec
Chlorides: 3,000 mg/L
Bit Size: 7.875 in
Bit Type: PDC
Hole Depth: 3,500 ft
Max Gas: 12 units
Avg Gas: 3 units
Conn Gas: 8 units
Trip Gas: 15 units
Background Gas: 2 units
Max Chloride: 3,200 mg/L
Max H2S: 0 ppm
Max Temp: 98 °F
Pump Rate: 280 gpm
Pump Psi: 1,200 psi
Spm: 110
Pump Output: 0.0700 bbl/stk
Ann Vel DP: 180 fpm
Ann Vel DC: 240 fpm
Bottom Hole Temp: 98 °F
Bottom Hole Pressure: 1,680 psi
Equivalent Mud Wt: 9.2 ppg
Formation Pressure: 1,650 psi
Fracture Gradient: 0.700 psi/ft
Pore Pressure Gradient: 0.470 psi/ft
Overbalance: 30 psi
Safety Margin: 10 psi
Kick Tolerance: 25 bbl
Max Allowable Pressure: 1,800 psi
Casing Shoe Depth: 1,200 ft
Casing Shoe Pressure: 350 psi
Leak Off Test: 12.0 ppg
Mud Cost: $1,250
Daily Cost: $3,800
Cumulative Cost: $42,500
Bit Hours: 18.5
Bit Footage: 1,250 ft
Bit Grade: 1-1-WT-A-E-I-NO-TD
Pump Liner: 6.5 in
Pump Stroke: 12 in
Pump Eff: 95 %
Mud Loss: 0 bbl
Mud Gain: 0 bbl
Flow Check: Static
Pit Vol: 500 bbl
Total Circ Vol: 1,750 bbl
Bottoms Up Time: 12 min
Lag Time: 8 min
Connection Time: 3 min
Survey Depth: 3,500 ft
Inclination: 0.5 °
Azimuth: 180 °
TVD: 3,500 ft
Vertical Section: 0 ft
DLS: 0.0 °/100ft
Weather: Clear
Temp: 32 °F
Wind: 10 mph NW
Crew: Smith / Jones
Shift: Day
Rig Name: Shelton Rig 1
Rig Type: Mechanical
Rig Hours: 24
Rig Footage: 1,250 ft
Rig Cost: $2,500
Rig Rate: $2,500
Rig Days: 1
Rig Cumulative: $42,500
Rig Efficiency: 95 %
Rig Downtime: 0 hrs
Rig Repair: None
Rig Safety: No Incidents
Rig Comments: Drilling ahead in Arbuckle formation. Mud properties stable. Bit performing well.

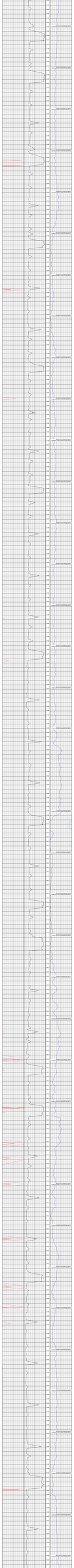
| Time | Depth | ROP | WOB | RPM | Torque | Pump Psi | Flow In | Flow Out | Pit Vol | Gas | Chloride | Temp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 3,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 0 | 0 | 0 |

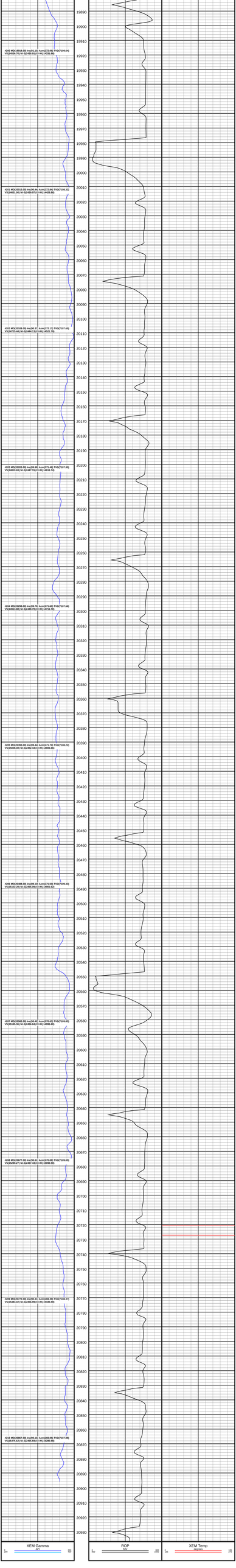











#000 MD(19018.00) Inc(89.15) Azim(272.86) TVD(7189.64) VS(14536.70) N/-S(2425.81) E/-W(-14331.98)
#001 MD(19103.00) Inc(88.44) Azim(272.88) TVD(7188.32) VS(14631.06) N/-S(2419.97) E/-W(-14426.85)
#002 MD(19108.00) Inc(90.37) Azim(272.17) TVD(7187.65) VS(14636.44) N/-S(2419.53) E/-W(-14431.79)
#003 MD(19153.00) Inc(89.90) Azim(271.68) TVD(7187.20) VS(14681.88) N/-S(2417.15) E/-W(-14476.74)
#004 MD(19208.00) Inc(89.76) Azim(271.68) TVD(7187.66) VS(14736.88) N/-S(2415.70) E/-W(-14531.73)
#005 MD(19263.00) Inc(89.44) Azim(271.76) TVD(7188.22) VS(14790.85) N/-S(2412.41) E/-W(-14586.68)
#006 MD(19348.00) Inc(89.19) Azim(271.56) TVD(7189.43) VS(15102.28) N/-S(2405.09) E/-W(-14881.42)
#007 MD(19502.00) Inc(88.42) Azim(270.63) TVD(7189.63) VS(15195.36) N/-S(2406.84) E/-W(-14999.60)
#008 MD(19677.00) Inc(88.51) Azim(270.08) TVD(7188.89) VS(15359.27) N/-S(2407.43) E/-W(-15099.18)
#009 MD(19772.00) Inc(88.21) Azim(269.39) TVD(7189.37) VS(15383.43) N/-S(2408.98) E/-W(-15189.18)
#010 MD(19867.00) Inc(88.18) Azim(269.05) TVD(7187.98) VS(15476.62) N/-S(2405.68) E/-W(-15288.59)
XEM Gamma
API
0
200
ROP
ft/hr
0
400
XEM Temp
degrees
0
100