Company: Petroleum Solutions, Inc.
Well: Bradley Ag
Field: Wildcat
County: Cheyenne
State: Colorado
Location: 1320' FNL & 1320' FWL Sec 1 T13S R43W
Permanent Datum: Ground Level
Elevation: 3,500 ft
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing
Elevation: K.B. 3,512 ft
D.F. 3,511 ft
G.L. 3,500 ft
Date: 01/21/2026
Run Number: One
Depth Driller: 5,000 ft
Depth Logger: 4,998 ft
Bottom Logged Interval: 4,998 ft
Top Logged Interval: 200 ft
Casing Driller: 8.625 in @ 200 ft
Casing Logger: 8.625 in @ 200 ft
Bit Size: 7.875 in
Type Fluid in Hole: Fresh Water Gel
Density / Viscosity: 8.9 lb/gal / 38 sec
pH / Fluid Loss: 9.5 / 8.2 cc
Source of Sample: Flowline
Rm @ Measured Temp: 0.62 @ 72 °F
Rmf @ Measured Temp: 0.48 @ 72 °F
Rmc @ Measured Temp: 0.85 @ 72 °F
Source of Rmf / Rmc: Measured
Rm @ BHT: 0.38 @ 118 °F
Time Since Circulation: 6 hrs
Time on Bottom: 01:45 01/21/2026
Max Recorded Temperature: 118 °F
Equipment / Base: PSI-4412 / Denver
Recorded By: J. Whitfield
Witnessed By: R. Calderon

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and will not accept responsibility for any loss or damage suffered as a result of any interpretation made from any log. In no case is the interpretation to be the sole basis for any drilling, completion or production decision. Any reproduction, transmission or publication of this log without the express written consent of Petroleum Solutions, Inc. is prohibited.

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Annular volume calculated for 4.5" casing
Design Drilling Rig 122
Thank you for choosing Survivor!
API # 05-213-09382

Calculated Fluid: Fresh Water
Fluid Density: 8.33 lb/gal
Fluid Salinity: 0 ppm NaCl
Matrix: Limestone
Hole Size: 7.875 in
Casing Size: 4.500 in
Casing Weight: 11.60 lb/ft
Casing Grade: J-55
Casing Collar OD: 5.000 in
Casing Collar Length: 20 in
Annular Volume: 0.0459 bbl/ft
Annular Capacity: 21.78 ft/bbl
Shoe Joint Length: 40 ft
Shoe Joint Volume: 1.84 bbl
Total Casing Volume: 114.7 bbl
Total Annular Volume: 105.3 bbl
Total Displacement: 220.0 bbl
Displacement Rate: 5.0 bbl/min
Displacement Time: 44 min
Plug Bump Pressure: 1,250 psi
Float Collar Depth: 4,960 ft
Float Shoe Depth: 5,000 ft
Cement Top: 3,200 ft
Cement Bottom: 5,000 ft
Cement Volume: 220.0 bbl
Cement Yield: 1.18 ft³/sk
Cement Sacks: 1,000 sk
Mix Water: 5.2 gal/sk
Mix Water Temp: 60 °F
Slurry Density: 15.8 lb/gal
Thickening Time: 4 hr 30 min
Compressive Strength: 2,500 psi @ 24 hr
Top Plug: Yes
Bottom Plug: Yes
Centralizers: 12
Scratchers: 24
Turbulizers: 0
Stage Collar Depth: 3,200 ft
Stage Collar Type: Hydraulic
Stage 1 Volume: 220.0 bbl
Stage 2 Volume: 0 bbl
Stage 1 Sacks: 1,000 sk
Stage 2 Sacks: 0 sk
Stage 1 Density: 15.8 lb/gal
Stage 2 Density: 0 lb/gal
Stage 1 Yield: 1.18 ft³/sk
Stage 2 Yield: 0 ft³/sk
Stage 1 Water: 5.2 gal/sk
Stage 2 Water: 0 gal/sk
Stage 1 Thickening Time: 4 hr 30 min
Stage 2 Thickening Time: 0 hr 0 min
Stage 1 Compressive Strength: 2,500 psi @ 24 hr
Stage 2 Compressive Strength: 0 psi @ 24 hr
Stage 1 Top Plug: Yes
Stage 2 Top Plug: No
Stage 1 Bottom Plug: Yes
Stage 2 Bottom Plug: No
Stage 1 Centralizers: 12
Stage 2 Centralizers: 0
Stage 1 Scratchers: 24
Stage 2 Scratchers: 0
Stage 1 Turbulizers: 0
Stage 2 Turbulizers: 0
Stage 1 Stage Collar Depth: 3,200 ft
Stage 2 Stage Collar Depth: 0 ft
Stage 1 Stage Collar Type: Hydraulic
Stage 2 Stage Collar Type: None
Stage 1 Displacement: 220.0 bbl
Stage 2 Displacement: 0 bbl
Stage 1 Displacement Rate: 5.0 bbl/min
Stage 2 Displacement Rate: 0 bbl/min
Stage 1 Displacement Time: 44 min
Stage 2 Displacement Time: 0 min
Stage 1 Plug Bump Pressure: 1,250 psi
Stage 2 Plug Bump Pressure: 0 psi
Stage 1 Float Collar Depth: 4,960 ft
Stage 2 Float Collar Depth: 0 ft
Stage 1 Float Shoe Depth: 5,000 ft
Stage 2 Float Shoe Depth: 0 ft
Stage 1 Cement Top: 3,200 ft
Stage 2 Cement Top: 0 ft
Stage 1 Cement Bottom: 5,000 ft
Stage 2 Cement Bottom: 0 ft
Stage 1 Cement Volume: 220.0 bbl
Stage 2 Cement Volume: 0 bbl
Stage 1 Cement Yield: 1.18 ft³/sk
Stage 2 Cement Yield: 0 ft³/sk
Stage 1 Cement Sacks: 1,000 sk
Stage 2 Cement Sacks: 0 sk
Stage 1 Mix Water: 5.2 gal/sk
Stage 2 Mix Water: 0 gal/sk
Stage 1 Mix Water Temp: 60 °F
Stage 2 Mix Water Temp: 0 °F
Stage 1 Slurry Density: 15.8 lb/gal
Stage 2 Slurry Density: 0 lb/gal