

OPERATOR

Company: Victory Operating, Inc.
 Address: 6 N. Scottsdale St.
 Wichita, KS 67230

Contact Geologist: Roscoe Mendenhall
 Contact Phone Nbr: 316-648-5633
 Well Name: ILS Land #1-21
 Location: 8 5/8" @ 1001' API: 15-145-21687
 Pool: SW/4 SE/4 NW/4 Sec.21-T22S-R16W Field:
 State: Kansas Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: ILS Land #1-21
 Surface Location: 8 5/8" @ 1001'
 Bottom Location:
 API: 15-145-21687
 License Number:
 Spud Date: 9/11/2012 Time: 6:00 PM
 Region: Pawnee
 Drilling Completed: 9/18/2012 Time: 6:00 PM
 Surface Coordinates: 2148' FNL & 1561' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2040.00ft
 K.B. Elevation: 2051.00ft
 Logged Interval: 3300.00ft To: 4500.00ft
 Total Depth: 4165.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

LOGGED BY

Company: Musgrove Petroleum
 Address: 212 Main Street
 Claflin, KS 67525

Phone Nbr: 620-450-7087
 Logged By: Geologist Name: Kurt Talbott

CONTRACTOR

Contractor: Sterling Drilling Company
 Rig #: 2
 Rig Type: Mud Rotary
 Spud Date: 9/11/2012 Time: 6:00 PM
 TD Date: 9/18/2012 Time: 6:00 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2051.00ft Ground Elevation: 2040.00ft
 K.B. to Ground: 11.00ft

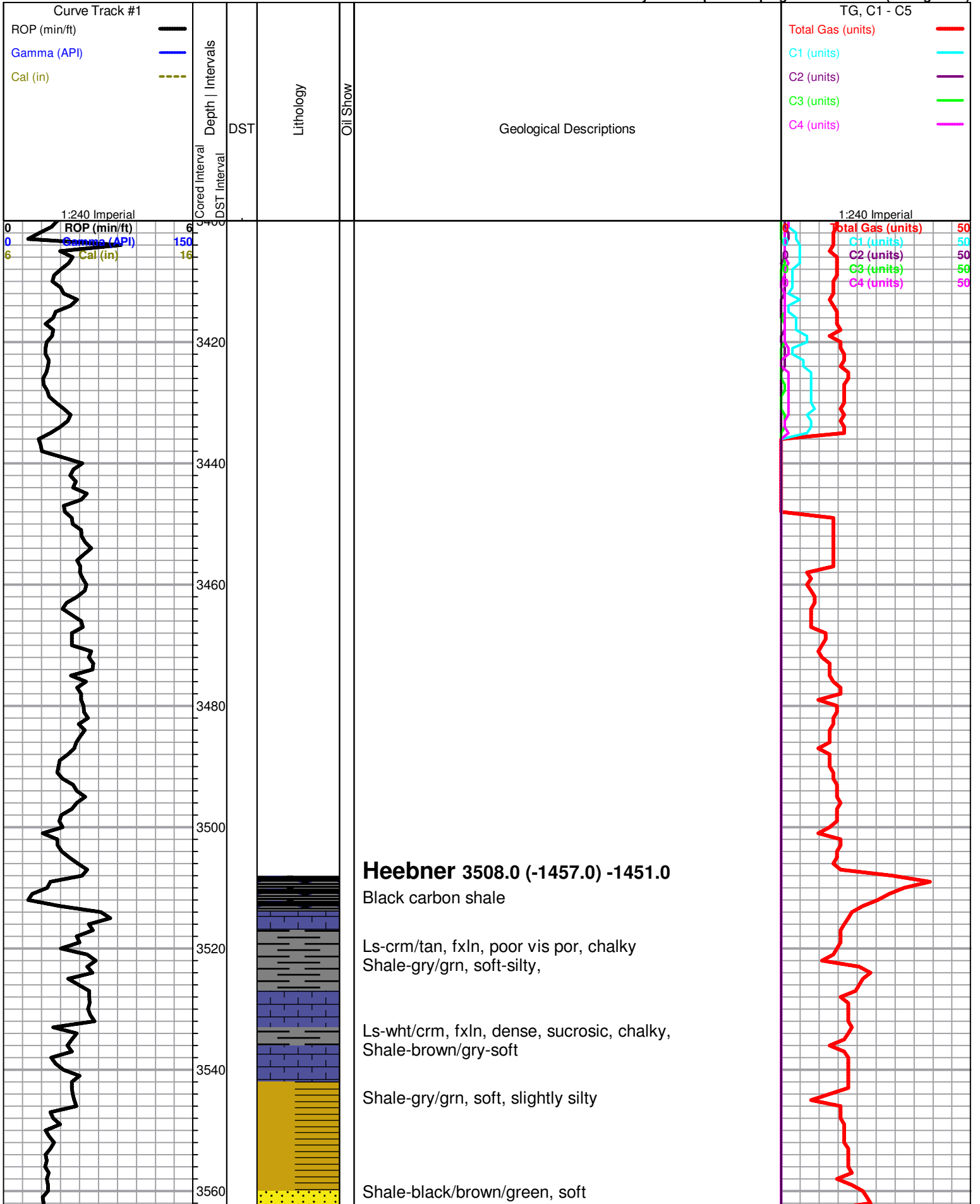
ROCK TYPES

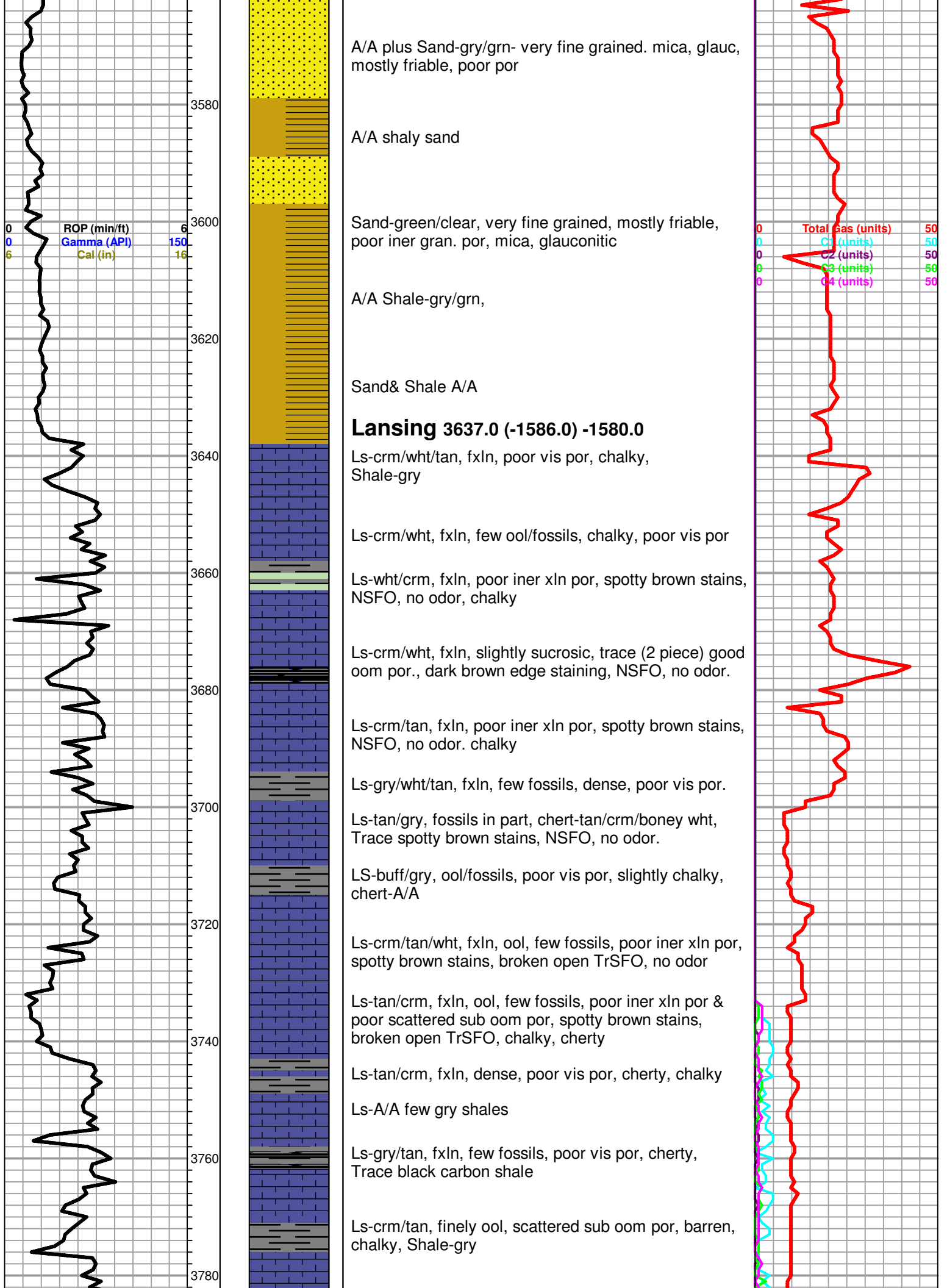
	Cht vari		Lmst fw<7		shale, gry		Shcol
	Dolprim		shale, grn		Carbon Sh		Ss

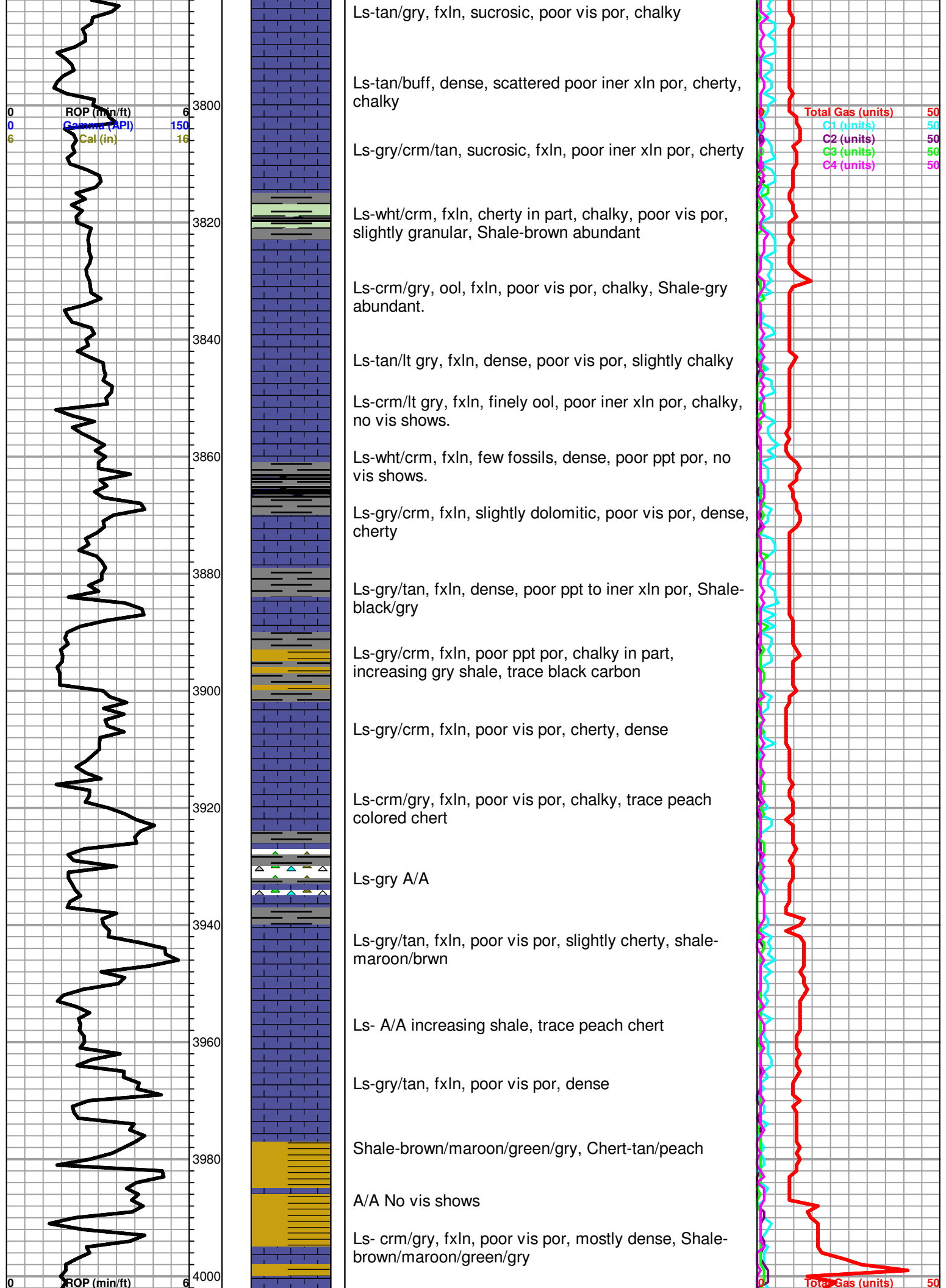
OTHER SYMBOLS

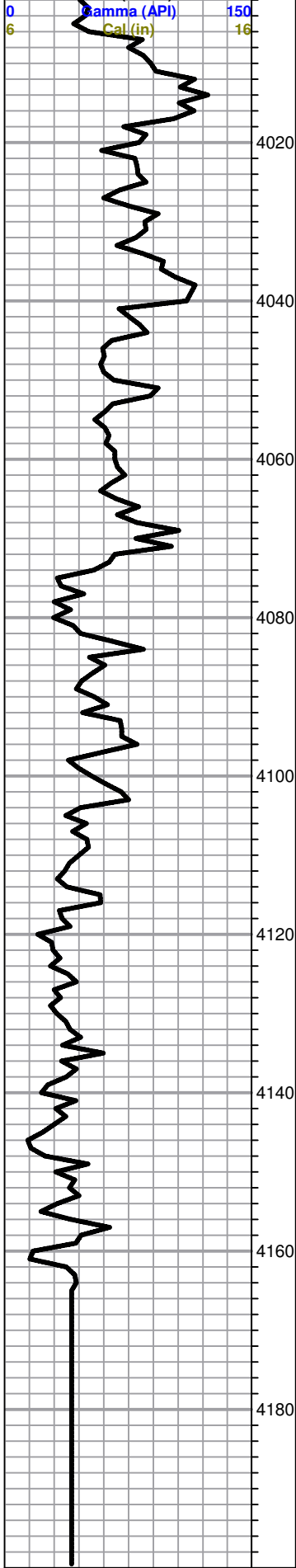
DST
■ DST Int
■ DST alt

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Ls & Shale A/A, chert-tan/peace/wht

Shale-maroon/yellow/green firm, slightly sandy

Simpson Sand 4016.0 (-1965.0) -1959.0

Shale-maroon/brown, firm, Trace sand-wht/grn/clear, f grained, sub round, poor iner gran por, friable

Sand-wht/clear/gry, f grain, poor iner granular por, friable, no vis shows, dull fluorescents.

Shale-maroon/green/yellow, sandy, firm

Shale-maroon/gry/grn/turq/

A/A

Ls-crm dense, cherty, poor vis por, Shale- A/A

Arbuckle 4073.0 (-2022.0) -2016.0

Dol-crm/buff, f-med rhomb xln, dense, poor vis por, no vis shows, dull fluor. Chert-wht/crm

Dol-crm/tan/buff, f-med xln, few rhomb, poor iner xln por, dense, chert- A/A

Dol-crm/lt gry, fxln, poor iner xln w/scattered poor vug por, barren, dense, slightly chalky, slightly cherty

Dol-tan/lt gry, f-med xln, few rhombic, dense, poor vis por, chalky, cherty,

Dol-wht/crm A/A

Dol-crm/tan/lt gry, fine/few med. xln, few rhombic., dense, scattered poor vis por, chert-wht/crm, Shale-grn-firm

Dol-crm/tan, f-med xln, few rhombic, poor scattered ppt/iner xln por, cherty

Dol-A/A,

Dol-A/A, Ls-crm/tan, dense, poor vis por, chalky,

Dol-crm/tan, f-med rhomb xln, poor scattered iner xln por, dense, chalky, chert-crm/opaque

RTD 4165.0 (-2114.0) 0.0

C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50

