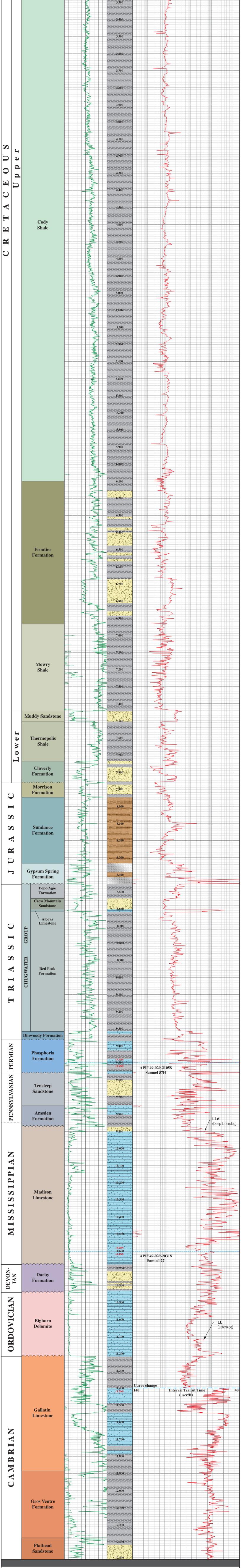
GEOLOGIC STORAGE ASSESSMENT OF CARBON DIOXIDE (CO₂) IN THE LARAMIDE BASINS OF WYOMING



TYPE LOG BIGHORN BASIN



Gamma Ray Resistivity Depth Period Epoch (GAPI) (ohm-m) **Formation** & Lithology 0.0 150.0 20,000 0.2 150.0 300.0 20,000 2,000,000 500 API# 49-043-20723 **Cottonwood Creek Unit 16-1X** Φ 600 2 I 9 700 C **Fort Union** 0 **Formation** 800 9 900 3 LLs E (Shallow Laterolog) 2 1,000 H 1,100 1,200 1,300 1,400 1,500 5 1,600 Lance and Meeteetse 1,700 Formations, undifferentiated 1,800 1,900 M 2,000 Z 2,100 2,200 2,300 Ş 5 2,400 2,500 5 2 2,600 T 2,700 ULA MAN Mesaverde Group A.M. 2,800 2,900 3,000 MWW A NOW 3,100 Ł 3,200 7 MMMM 3,300



WELLS USED FOR TYPE LOG

API #	Operator	Well Name	Field	County	Surface Location
49-043-20723	Continental Resources Inc.	Cottonwood Creek Unit 16-1X	Cottonwood Creek	Washakie	sec. 31, T47N, R90W
49-029-21058	Marathon Oil Company	Samuel 57H	Oregon Basin	Park	sec. 32, T51N, R100W
49-029-20318	Marathon Oil Company	Samuel 27	Oregon Basin	Park	sec. 32, T51N, R100W

EXPLANATION



Unconformity Approximate contact Reconstructed cumulative log depth Actual log depth

Evaporites

Sandstone

Shale

Sandstone/shale/siltstone

Limestone/dolomite

Note: The lithologies shown are general and meant to depict average lithologic conditions and are not based on petrophysical analysis of cores or logs.

REFERENCES

Love, J.D., Christiansen, A.C., and Ver Ploeg, A.J., comps., 1993, Stratigraphic chart showing Phanerozoic nomenclature for the State of Wyoming: Geological Survey of Wyoming [Wyoming State Geological Survey] Map Series MS-41.

Wyoming Oil and Gas Conservation Commission, 2012, [digital log data], at http://wogcc.state.wy.us.

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