Disclaimer

All interpretations, recommendations and opinions (interpretations) expressed are to be based on electrical or other measurements furnished by Weatherford or its agents. These interpretations are also subject to our General Terms and Conditions as set forth in our current price schedule. All interpretations are the opinion of qualified petrophysicists and engineers but Weatherford does not guarantee the accuracy

Annular volume calculated for 7" casing
Excel Utility Rpt
Thank you for using Weatherford Energy Services.

SUM 2.013 Ft

Database File C:\Data\Wireline\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 1
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 2
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 3
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 4
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 5
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 6
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 7
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 8
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 9
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 10
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 11
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 12
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 13
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 14
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 15
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 16
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 17
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 18
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 19
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 20
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 21
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 22
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 23
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 24
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 25
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 26
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 27
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 28
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 29
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 30
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 31
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 32
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 33
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 34
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 35
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 36
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 37
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 38
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 39
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 40
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 41
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 42
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 43
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 44
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 45
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 46
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 47
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 48
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 49
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc) 1.95 2.95
Correction (g/cc) 0.5 -0.5

Database File C:\Data\Wireless\augusta energy resources, llc_Hawkins Gas Unit 1\Hawkins_API-2013122_(Email Only).p
Dataset Pathname PASS 50
Dataset Creation Thu Jan 14 17:01:10 2016 by Log Open Creator 110502
Charted by Depth only

Density Porosity (pu)
Neutron Porosity (pu)

Gamma Ray (GAPI) 0 200 Caliper (in) 6 16

Bulk Density (g/cc)
Correction (g/cc)

Density Porosity (pu) 45 -15
Neutron Porosity (pu) 45 -15