



Release Form:

Date: 7/31/2012

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Released To: KGS - David Laflen

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Well: Wheeler Rockwell 2

Formation: Miss Lime

Location: Cowley County, KS

Sample Type: TS

API: 1503519363

Lat./Long.:

Wheeler Rockwell 2

Job No. 11-0608

Analyst

Sample Number	Depth (ft)	Comments
2	3056.00	
3	3057.00	
4	3058.00	
7	3061.00	
9	3063.00	

Chesapeake Energy

Job # 11-0608
Well: Rockwell 2
Type: Plugs
Date: 8/8/2011

				CO2/TOL Cleaned
				Steady State Permeability
INPUT MEASURED VALUES				Klinkenberg 1000 NOB md
Sample #	Sample Depth	Gr. Den. (g/cc)	Porosity (%)	
3	3057	2.660	27.3	56.5
4	3058	2.670	25.7	41.8
7	3061	2.659	21.2	57.2
9	3063	2.659	16.7	9.0

Porosity versus Permeability

◆ Steady State 1000 NOB

Steady State Kair, md

50.0

5.0

0.5

0.1

0.0

5.0

10.0

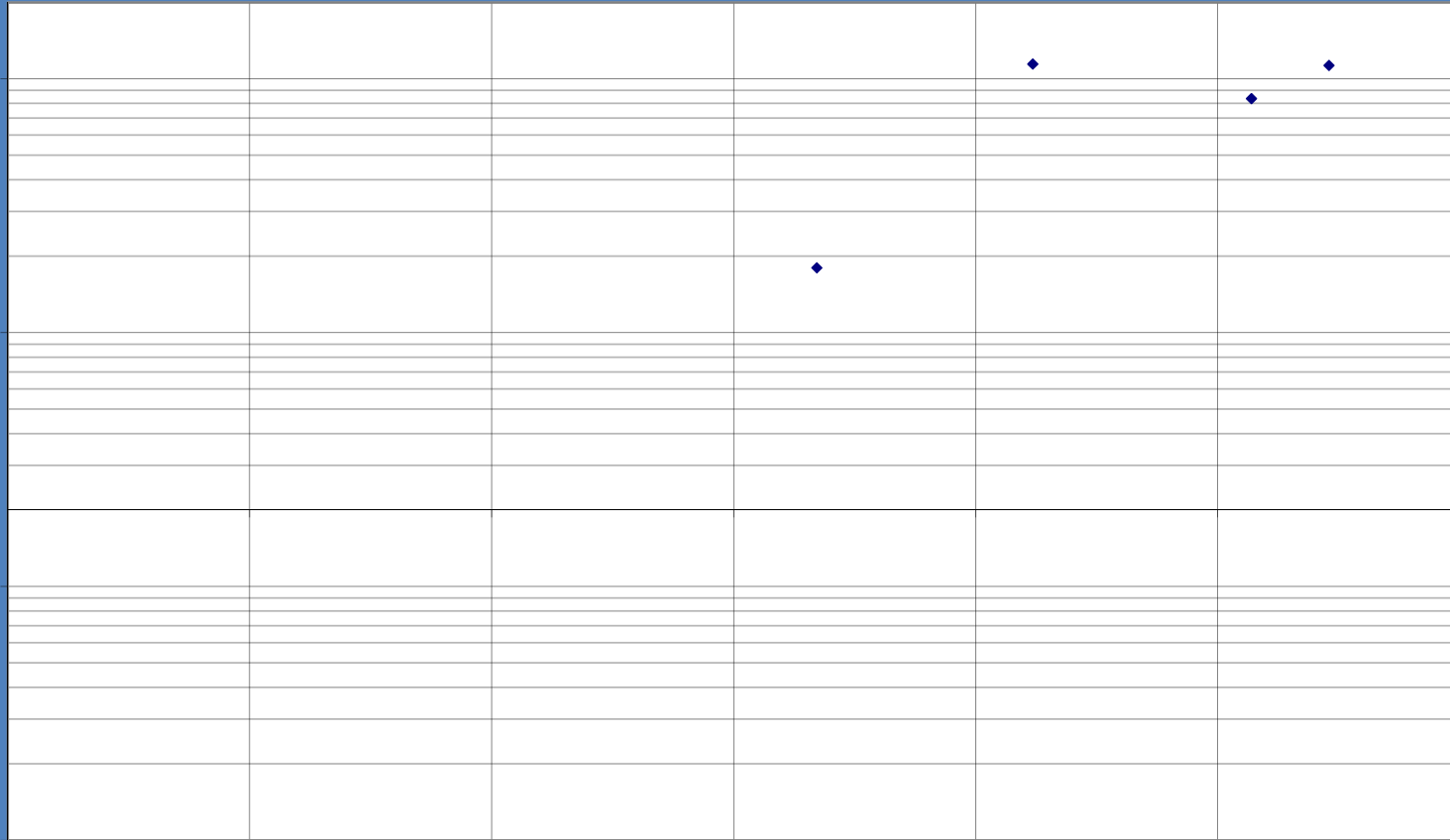
15.0

20.0

25.0

30.0

Porosity, %



Rockwell 2
11-0608

Sample ID	Depth	Porosity	Quartz	K-Feldspar	Plagioclase	Apatite	Wt%	Wt%	Wt%	Wt%	Wt%	Wt%	Wt%	Wt%
							Pyrite	Calcite	Dolomite	Halite	Anhydrite	Illite + Mica	Chlorite	Kaolinite
2	3056	0.000	86.2	1.4	1.3	0.0	0.0	0.0	0.0	0.4	0.6	6.0	1.2	2.9
3	3057	0.000	67.0	1.1	0.7	0.0	0.0	29.2	0.0	0.0	0.0	1.9	0.0	0.0
4	3058	0.000	38.6	1.0	1.2	0.0	0.0	55.2	0.0	0.0	0.0	4.1	0.0	0.0
7	3061	0.000	38.7	0.8	1.4	0.0	0.0	55.7	0.0	0.0	0.0	3.4	0.0	0.0
9	3063	0.000	28.6	0.0	0.7	0.0	0.0	67.4	0.0	0.0	0.0	3.2	0.0	0.0