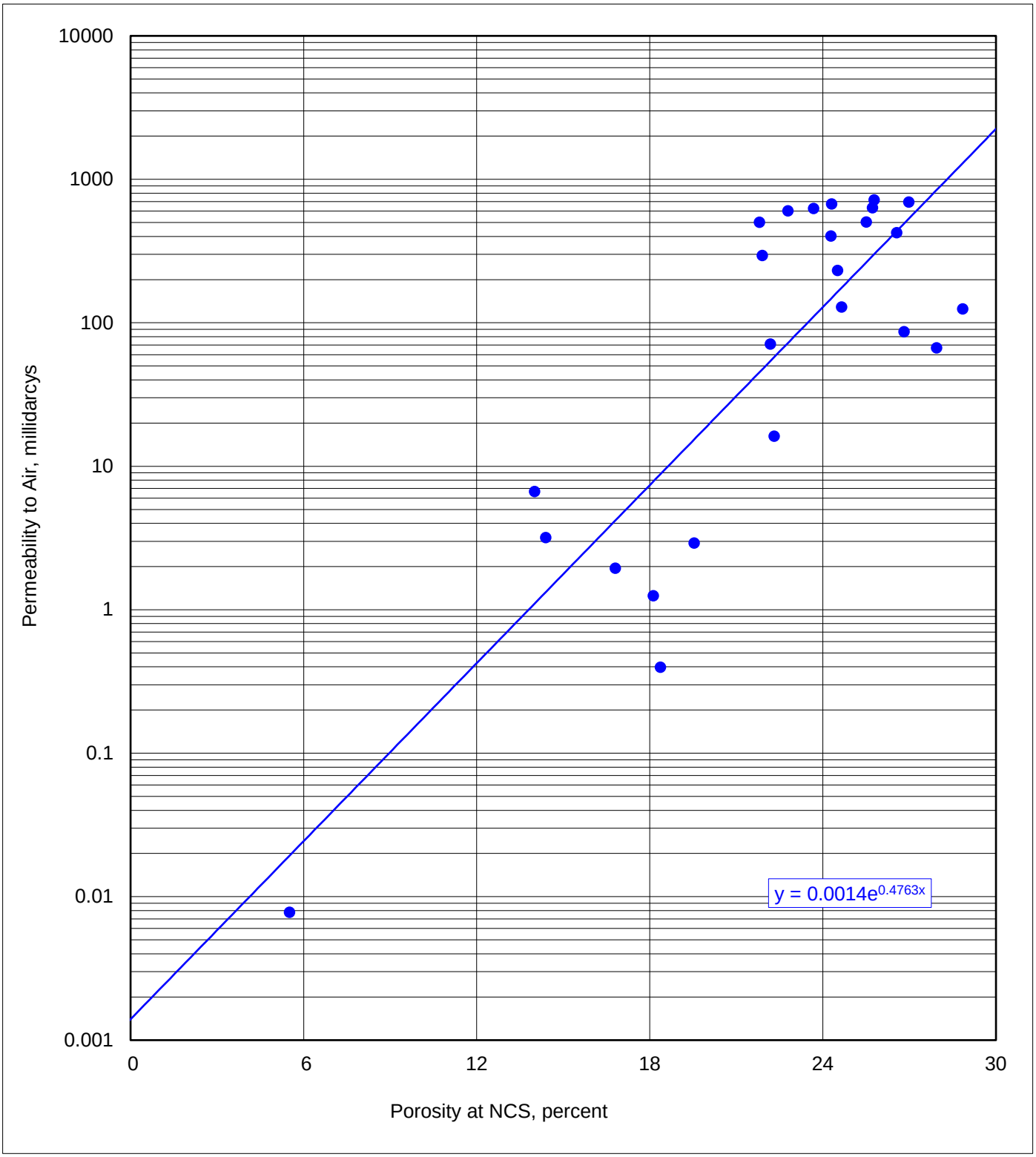
11-15-21

PERMEABILITY AND POROSITY CROSSPLOTS

Convection Dried at 140°F

Strategic Biofuels LLC
Louisiana Green Fuels Well 001

Caldwell Parish, Louisiana
File: HH-108056



STRATUM RESERVOIR

SUMMARY OF ROTARY CORE ANALYSES RESULTS

Convection Dried at 140°F

Strategic Biofuels LLC
Louisiana Green Fuels Well 001

Core Number	Sample Number	Sample Depth, feet	Net Confining Stress, psi	Permeability, millidarcys		Porosity, percent		Grain Density, gm/cc
				to Air	Klinkenberg	Ambient	NCS	
25	1-1R	4154.0	1500	125.	112.		28.8	2.67
24	1-2R	4160.0	1500	86.7	76.3		26.8	2.65
23	1-3R	4177.0	1500	66.9	58.4		27.9	2.66
22	1-4R	4915.0	1900	673.	635.		24.3	2.65
21	1-5R	5056.0	1900	1.95	1.52	17.0	16.8	2.68
20	1-6R	5070.0	1900	694.	655.0		27.0	2.65
19	1-7R	5078.0	1900	633.	596.		25.7	2.66
18	1-8R	5143.0	1900	129.	115.		24.6	2.68
17	1-9R	5158.0	1900	0.0078	0.0026	5.7	5.5	2.67
16	1-10R	5175.0	2000	6.68	5.32	14.2	14.0	2.76
15	1-11R	5183.0	2000	232.	213.		24.5	2.65
14	1-12R	5190.0	2000	502.	470.		21.8	2.67
13	1-13R	5252.0	2000	71.2	62.4		22.2	2.66
12	1-14R	5299.0	2000	294.	271.		21.9	2.66
11	1-15R	5314.0	2000	425.	396.		26.6	2.66
10	1-16R	5316.0	2000	718.	678.		25.8	2.75
9	1-17R	5336.0	2000	505.	473.		25.5	2.74
8	1-18R	5341.0	2000	403.	376.		24.3	2.67
7	1-19R	5421.0	2000	16.2	13.4		22.3	2.74
6	1-20R	5449.0	2000	604.	568.		22.8	2.64
5	1-21R	5453.0	2000	627.	590.	23.9	23.7	2.66
4	1-22R	5468.0	2000	3.18	2.40	14.6	14.4	2.67
3	1-23R	5482.0	2000	0.398	0.279	18.6	18.4	2.66
2	1-24R	5599.0	2000	1.25	0.971	18.4	18.1	2.67
1	1-25R	5608.0	2000	2.92	2.31	19.8	19.5	2.70
			Average values:	273.	255.	16.5	22.1	2.68

STRATUM RESERVOIR

11-15-21

SUMMARY OF ROTARY PLUG RAW DATA

Convection Dried at 140°F

Nickel Density gm/cc	Screen Density gm/cc	Teflon Density gm/cc
8.77	7.96	2.23

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Core Number	Sample Number	Sample Depth, feet	Sleeve Weight, grams			Sleeve Volume, cc			Dry Weight, gm		Grain Volume, cc		Length, cm	Diameter, cm	L*A Bulk Volume, cc	Hg Bulk Volume, cc	Pore Volume, cc	
			Nickel Weight, grams	Screen Weight, grams	Teflon Weight, grams	Nickel Volume, cc	Screen Volume, cc	Teflon Volume, cc	Measured	Corrected	Measured	Corrected					Ambient	NCS
25	1-1R	4154.0	1.25	0.95	0.39	0.14	0.12	0.17	24.74	22.16	8.74	8.31	2.92	2.33	12.50			3.37
24	1-2R	4160.0	0.49	0.94	0.25	0.06	0.12	0.11	8.61	6.93	2.90	2.62	0.91	2.43	4.21			0.96
23	1-3R	4177.0	1.14	0.96	0.33	0.13	0.12	0.15	22.53	20.11	7.96	7.56	2.52	2.36	11.02			2.93
22	1-4R	4915.0	1.14	0.91	0.34	0.13	0.11	0.15	24.73	22.34	8.82	8.42	2.69	2.36	11.76			2.70
21	1-5R	5056.0							22.73	22.73	8.49	8.49	2.50	2.31	10.47	10.23	1.74	1.72
20	1-6R	5070.0	1.08	0.96	0.30	0.12	0.12	0.13	22.41	20.07	7.96	7.58	2.58	2.34	11.04			2.80
19	1-7R	5078.0	1.19	0.95	0.33	0.14	0.12	0.15	24.77	22.29	8.79	8.39	2.80	2.35	12.09			2.90
18	1-8R	5143.0	1.19	0.95	0.32	0.14	0.12	0.14	26.58	24.13	9.40	9.00	2.89	2.35	12.57			2.94
17	1-9R	5158.0							26.95	26.95	10.11	10.11	2.54	2.33	10.82	10.72	0.61	0.59
16	1-10R	5175.0							25.45	25.45	9.21	9.21	2.57	2.32	10.84	10.74	1.53	1.50
15	1-11R	5183.0	1.32	0.96	0.37	0.15	0.12	0.17	29.34	26.69	10.52	10.08	3.21	2.36	14.07			3.27
14	1-12R	5190.0	1.09	0.97	0.35	0.12	0.12	0.16	24.67	22.27	8.75	8.35	2.59	2.36	11.29			2.33
13	1-13R	5252.0	1.10	0.97	0.34	0.12	0.12	0.15	24.60	22.20	8.75	8.35	2.59	2.38	11.51			2.38
12	1-14R	5299.0	1.35	0.94	0.40	0.15	0.12	0.18	32.02	29.33	11.47	11.02	3.38	2.35	14.69			3.09
11	1-15R	5314.0	1.06	0.94	0.31	0.12	0.12	0.14	22.84	20.53	8.10	7.72	2.58	2.36	11.31			2.79
10	1-16R	5316.0	1.27	0.96	0.44	0.15	0.12	0.20	28.99	26.31	10.05	9.58	3.12	2.37	13.80			3.33
9	1-17R	5336.0	1.04	0.00	0.37	0.12	0.00	0.17	23.01	21.60	8.18	7.90	2.54	2.38	11.27			2.70
8	1-18R	5341.0	1.12	0.96	0.34	0.13	0.12	0.15	23.82	21.41	8.43	8.03	2.58	2.38	11.46			2.57
7	1-19R	5421.0	1.21	0.98	0.37	0.14	0.12	0.17	29.18	26.62	10.14	9.71	3.02	2.38	13.40			2.79
6	1-20R	5449.0	1.07	0.92	0.41	0.12	0.12	0.18	23.90	21.50	8.56	8.14	2.57	2.38	11.38			2.40
5	1-21R	5453.0							27.21	27.21	10.23	10.23	3.18	2.34	13.64	13.44	3.21	3.17
4	1-22R	5468.0							14.98	14.98	5.62	5.62	1.61	2.31	6.72	6.58	0.96	0.94
3	1-23R	5482.0							21.13	21.13	7.94	7.94	2.51	2.24	9.86	9.75	1.81	1.79
2	1-24R	5599.0							21.55	21.55	8.06	8.06	2.45	2.27	9.91	9.88	1.82	1.79
1	1-25R	5608.0							26.55	26.55	9.85	9.85	2.91	2.33	12.39	12.27	2.42	2.39