

Fruitland Coal Increased Density Pilot Project

Current Spacing Recovery Percentage

Spacing Unit	Spacing Unit Size, Acres	Fruitland Thickness <2.0 g/cc	Average In-situ Gas			Parent Well			Increased Density Well			Parent + Increased Density Well			
			Density, g/cc	Content, scf/ton	OGIP, MMCF	Cum, MMCF	GRR, MMCF	R/P, YRS	EUR, MMCF	Cum, MMCF	GRR, MMCF	R/P, YRS	EUR, MMCF	R/P, YRS	Total EUR, MMCF
A	312.80	74	1.59	183	9,158	1,070	713	10.6	1,783	86	400	14.1	486	11.6	2,269
B	320.00	76	1.59	183	9,622	1,685	1,682	13.8	3,368	243	867	17.4	1,110	14.8	4,478
C	320.00	67	1.71	181	9,023	1,006	1,353	15.3	2,359	13	1,394	17.7	1,407	16.4	3,766
D	320.00	64	1.76	181	8,871	880	779	14.1	1,659	99	1,289	21.1	1,388	17.7	3,047
E	288.45	65	1.60	184	7,505	977	1,407	14.2	2,385	243	1,588	17.6	1,831	15.8	4,216
F	320.00	67	1.63	187	8,886	1,110	905	13.3	2,016	312	1,311	17.7	1,623	15.6	3,639
G	320.00	66	1.64	185	8,713	1,533	1,618	14.5	3,151	277	1,512	19.1	1,789	16.4	4,940
H	320.00	67	1.74	184	9,333	1,900	1,759	14.9	3,659	255	1,802	18.5	2,057	16.5	5,716
I	320.00	63	1.63	188	8,400	1,753	1,594	13.7	3,347	255	778	13.9	1,033	13.8	4,380
J	320.00	53	1.67	194	7,471	304	125	16.1	429	96	739	19.6	835	19.0	1,264
K	320.00	53	1.67	194	7,471	207	92	8.3	300	141	331	11.1	472	10.4	772
L*	152.99	57	1.67	186	3,683	1,189	985	14.7	2,174	-	-	-	-	14.7	2,174
	3,634.24				98,136	13,615	13,013	14.0	26,628	2,019	12,013	17.6	14,032	15.5	40,659

Current Spacing Recovery Factor = 41.4%

* 320 acre spacing unit has only original well; increased density well not yet drilled