

PROGRESS ANALYSIS FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
260	2.330	13.6	1557.7	86.9	19.3	1700.1	16.5	1628.9
261	2.330	13.6	1571.3	85.6	18.0	1718.1	15.8	1644.7
262	2.340	12.8	1584.1	85.2	17.6	1735.7	15.2	1659.9
263	2.340	12.8	1597.0	85.6	18.0	1753.7	15.4	1675.3
264	2.340	12.8	1609.8	85.2	17.6	1771.3	15.2	1690.6
265	2.310	15.2	1625.0	89.6	22.0	1793.4	18.6	1709.2
266	2.290	16.7	1641.7	91.8	24.3	1817.7	20.5	1729.7
267	2.290	16.7	1658.4	94.0	26.7	1844.4	21.7	1751.4
268	2.290	16.7	1675.1	94.9	27.6	1872.0	22.2	1773.6
269	2.300	15.9	1691.1	95.8	28.6	1900.5	22.3	1795.8
270	2.300	15.9	1707.0	94.0	26.7	1927.3	21.3	1817.1
271	2.290	16.7	1723.7	94.0	26.7	1953.9	21.7	1838.8
272	2.310	15.2	1738.9	94.0	26.7	1980.6	20.9	1859.7
273	2.330	13.6	1752.5	91.3	23.8	2004.4	18.7	1878.4
274	2.330	13.6	1766.1	90.0	22.5	2026.8	18.0	1896.5
275	2.340	12.8	1778.9	91.3	23.8	2050.7	18.3	1914.8
276	2.320	14.4	1793.3	92.2	24.8	2075.4	19.6	1934.3
277	2.280	17.5	1810.8	92.7	25.3	2100.7	21.4	1955.7
278	2.260	19.1	1829.9	94.4	27.1	2127.8	23.1	1978.9
279	2.240	20.8	1850.7	97.1	30.0	2157.8	25.4	2004.2
280	2.240	20.8	1871.5	98.9	32.0	2189.8	26.4	2030.6
281	2.240	20.8	1892.2	101.5	34.9	2224.7	27.8	2058.5
282	2.260	19.1	1911.3	101.9	35.4	2260.1	27.3	2085.7
283	2.270	18.3	1929.6	100.6	33.9	2294.0	26.1	2111.8
284	2.270	18.3	1948.0	95.8	28.6	2322.6	23.5	2135.3
285	2.300	15.9	1963.9	93.1	25.7	2348.3	20.8	2156.1
286	2.360	11.3	1975.2	87.4	19.8	2368.1	15.6	2171.7
287	2.430	6.2	1981.4	83.0	15.5	2383.6	10.8	2182.5
288	2.490	1.9	1983.3	78.1	10.8	2394.4	6.4	2188.9
289	2.460	4.0	1987.3	74.6	7.7	2402.1	5.8	2194.7
290	2.440	5.4	1992.8	69.7	3.4	2405.5	4.4	2199.1
291	2.430	6.2	1999.0	69.3	3.1	2408.6	4.6	2203.8
292	2.440	5.4	2004.4	69.3	3.1	2411.7	4.3	2208.0
293	2.420	6.9	2011.3	69.3	3.1	2414.8	5.0	2213.0
294	2.420	6.9	2018.2	66.2	0.5	2415.3	3.7	2216.7
295	2.410	7.6	2025.8	67.5	1.6	2416.9	4.6	2221.9
296	2.390	9.1	2034.9	72.8	6.1	2423.0	7.6	2228.9
297	2.390	9.1	2044.0	78.1	10.8	2433.8	10.0	2238.9
298	2.380	9.6	2053.8	78.5	11.2	2445.0	10.5	2249.9
299	2.360	11.3	2065.1	81.2	13.7	2458.7	12.5	2261.9
300	2.380	9.9	2074.9	82.5	13.0	2473.7	12.4	2274.9
301	2.420	7.9	2081.6	78.5	11.2	2484.9	9.0	2283.9
302	2.440	5.4	2088.7	74.6	7.7	2492.5	6.6	2293.9
303	2.440	5.4	2092.7	72.8	6.1	2498.6	5.8	2303.9
304	2.420	6.9	2099.6	70.6	4.2	2502.8	5.5	2309.9
305	2.420	6.9	2106.6	67.9	1.9	2507.7	4.4	2316.9
306	2.420	6.9	2111.9	64.6	0.9	2509.6	3.2	2323.9
307	2.410	7.6	2118.1	65.3	0.0	2509.6	3.1	2330.9
308	2.460	4.0	2122.1	64.6	0.0	2509.6	3.0	2337.9
309	2.460	4.0	2127.9	64.6	0.0	2509.6	3.0	2344.9

K E R O G E N A N A L Y S I S

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-R	GAL/TON	ACCUM. YIELD	RHO-R	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
360	2.490	1.9	2276.1	61.8	0.0	2505.8	1.0	2361.0
361	2.510	0.6	2276.7	62.2	0.0	2505.8	0.3	2361.2
362	2.510	0.6	2277.2	63.1	0.0	2505.9	0.3	2361.5
363	2.490	1.9	2279.2	64.8	0.0	2505.8	1.0	2362.5
364	2.470	3.3	2282.5	65.7	0.1	2506.0	1.7	2364.2
365	2.460	4.0	2286.5	70.1	3.8	2509.7	3.9	2368.1
366	2.350	12.1	2298.6	69.7	3.4	2513.1	7.7	2405.8
367	2.310	15.2	2313.7	72.8	6.1	2519.2	10.6	2416.5
368	2.310	15.2	2328.9	76.3	9.2	2528.4	12.2	2428.6
369	2.340	12.8	2341.7	73.7	6.9	2535.2	9.9	2438.5
370	2.440	5.4	2347.2	70.6	4.2	2539.4	4.8	2443.3
371	2.490	1.9	2349.1	70.1	3.8	2543.2	2.8	2446.1
372	2.490	1.9	2351.1	66.6	0.9	2544.0	1.4	2447.5
373	2.480	2.6	2353.7	65.3	0.0	2544.0	1.3	2446.8
374	2.380	9.8	2363.5	70.6	4.2	2548.2	7.0	2455.8
375	2.250	19.9	2383.4	79.9	12.5	2560.7	16.2	2472.1
376	2.110	31.9	2415.4	83.0	15.5	2576.2	23.7	2495.8
377	2.150	28.4	2443.7	85.2	17.6	2593.8	23.0	2518.7
378	2.320	14.4	2458.1	84.3	16.7	2610.5	15.5	2534.3
379	2.410	7.6	2465.7	85.2	17.6	2628.1	12.6	2546.9
380	2.400	4.0	2469.8	76.3	9.2	2637.3	6.6	2553.5
381	2.480	2.6	2472.4	65.3	0.0	2637.3	1.3	2554.8
382	2.460	4.0	2476.4	64.8	0.0	2637.3	2.0	2556.8
383	2.460	4.0	2480.4	70.6	4.2	2641.5	4.1	2560.9
384	2.310	15.2	2495.6	73.7	6.9	2648.3	11.0	2571.9
385	2.210	23.2	2518.8	72.8	6.1	2654.4	14.7	2586.6
386	2.280	17.5	2536.3	74.6	7.7	2662.1	12.6	2599.2
387	2.390	9.1	2545.4	77.2	10.0	2672.1	9.5	2608.7
388	2.420	6.9	2552.3	76.3	9.2	2681.3	8.0	2616.8
389	2.390	6.1	2561.4	68.4	2.3	2683.6	5.7	2622.5
390	2.400	3.3	2569.7	63.5	0.0	2683.6	4.2	2626.6
391	2.470	3.3	2573.1	61.8	0.0	2683.6	1.7	2628.3
392	2.510	0.6	2573.6	61.8	0.0	2683.6	0.3	2628.6
393	2.460	4.0	2577.7	66.2	0.5	2684.1	2.3	2630.9
394	2.340	12.8	2590.5	69.3	3.1	2687.2	8.0	2638.9
395	2.180	24.9	2615.4	68.4	2.3	2689.5	13.6	2652.5
396	2.180	22.5	2641.2	69.7	3.4	2692.9	14.6	2667.1
397	2.090	22.7	2674.5	74.6	7.7	2700.6	20.7	2687.8
398	2.130	20.0	2703.1	74.1	7.2	2707.8	18.7	2707.4
399	2.320	14.4	2719.4	70.1	3.8	2711.6	9.1	2716.5
400	2.320	14.4	2741.8	67.5	1.5	2713.2	12.0	2728.5
401	2.410	5.9	2773.3	65.3	0.0	2713.2	15.0	2743.5
402	2.320	12.8	2811.2	64.8	0.0	2713.2	18.7	2762.2
403	2.320	12.8	2824.5	63.1	0.0	2713.2	6.8	2769.0
404	2.320	12.8	2837.4	61.8	0.0	2713.2	0.3	2771.3
405	2.420	4.0	2839.4	61.8	0.0	2713.2	2.0	2773.3
406	2.420	4.0	2841.4	61.8	0.0	2713.2	2.0	2775.3
407	2.420	4.0	2841.4	61.8	0.0	2713.2	2.0	2777.3
408	2.420	4.0	2841.4	61.8	0.0	2713.2	2.0	2779.3
409	2.420	4.0	2841.4	61.8	0.0	2713.2	4.9	2794.3

K E R C G E N A N A L Y S I S

F O R

T H E C L E V E L A N D C L I F F S I R O N C O M P A N Y - W E L L P - 2

DEPTH	D E N S I T Y L O G			V E L O C I T Y L O G			D E N S I T Y A N D V E L O C I T Y	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
410	2.480	2.6	2884.5	66.2	0.5	2713.7	1.6	2799.1
411	2.490	1.9	2886.4	66.6	0.9	2714.6	1.4	2800.5
412	2.420	6.9	2893.3	66.2	0.5	2715.1	3.7	2804.2
413	2.300	15.9	2909.2	69.3	3.1	2718.2	9.5	2813.7
414	2.260	19.1	2928.4	75.4	8.4	2726.5	13.7	2827.4
415	2.250	19.9	2948.3	78.5	11.2	2737.7	15.6	2843.0
416	2.250	19.9	2968.2	76.8	9.6	2747.4	14.8	2857.8
417	2.260	19.1	2987.4	71.9	5.3	2752.7	12.2	2870.0
418	2.360	11.3	2998.7	67.9	1.9	2754.6	6.6	2876.6
419	2.420	6.9	3005.6	64.8	0.0	2754.6	3.4	2880.1
420	2.450	4.7	3010.3	61.3	0.0	2754.6	2.4	2882.4
421	2.530	0.0	3010.3	61.3	0.0	2754.6	0.0	2882.4
422	2.560	0.0	3010.3	57.3	0.0	2754.6	0.0	2882.4
423	2.560	0.0	3010.3	54.2	0.0	2754.6	0.0	2882.4
424	2.540	0.0	3010.3	55.1	0.0	2754.6	0.0	2882.4
425	2.510	0.6	3010.9	60.4	0.0	2754.6	0.3	2882.7
426	2.450	4.7	3015.6	64.8	0.0	2754.6	2.4	2885.1
427	2.280	17.5	3033.1	71.0	4.5	2759.1	11.0	2896.1
428	2.210	23.2	3056.4	79.0	11.7	2770.8	17.4	2913.5
429	2.200	24.1	3060.4	86.9	19.3	2790.1	21.7	2935.2
430	2.150	28.4	3108.8	92.2	24.8	2814.8	26.6	2961.8
431	2.150	28.4	3137.2	94.0	26.7	2841.5	27.5	2989.3
432	2.270	18.3	3155.5	90.0	22.5	2863.9	20.4	3009.7
433	2.320	14.4	3169.9	83.8	16.2	2880.2	15.3	3025.0
434	2.410	7.6	3177.5	83.8	16.2	2896.4	11.9	3036.9
435	2.420	6.9	3184.4	82.5	15.0	2911.4	10.9	3047.9
436	2.420	6.9	3191.3	78.1	10.8	2922.2	8.9	3056.7
437	2.370	10.6	3201.8	76.3	9.2	2931.4	9.9	3066.6
438	2.190	24.9	3226.8	78.1	10.8	2942.2	17.9	3084.5
439	2.020	40.3	3267.1	79.4	12.0	2954.2	26.2	3110.6
440	2.140	29.2	3296.3	85.2	17.6	2971.9	23.4	3134.1
441	2.270	18.3	3314.6	85.2	17.6	2989.5	18.0	3152.0
442	2.200	24.1	3338.7	87.4	19.8	3009.3	21.9	3174.0
443	2.260	19.1	3357.8	85.2	17.6	3026.9	18.4	3192.3
444	2.260	19.1	3377.0	84.3	16.7	3043.6	17.9	3210.3
445	2.210	15.2	3392.1	85.2	17.6	3061.2	16.4	3226.6
446	2.330	13.6	3405.7	82.5	15.0	3076.2	14.3	3240.9
447	2.370	10.6	3416.3	80.7	13.3	3089.4	11.9	3252.9
448	2.340	12.8	3429.1	80.7	13.3	3102.7	13.0	3265.9
449	2.300	15.9	3445.1	82.5	15.0	3117.7	15.5	3281.4
450	2.230	21.6	3466.6	83.8	16.2	3133.9	18.9	3300.3
451	2.080	24.7	3501.3	84.3	16.7	3150.6	25.7	3325.9
452	1.970	45.2	3546.6	85.2	17.6	3168.2	31.4	3357.4
453	2.110	31.9	3578.5	83.8	16.2	3184.5	24.1	3381.6
454	2.260	19.1	3597.6	81.2	13.7	3198.2	16.4	3400.9
455	2.340	12.8	3610.3	78.1	10.8	3209.0	11.9	3412.7
456	2.390	9.2	3619.5	73.7	6.9	3219.0	9.0	3421.7
457	2.390	9.2	3628.7	73.7	6.9	3229.0	9.0	3430.7
458	2.390	9.2	3637.9	73.7	6.9	3239.0	9.0	3439.7
459	2.390	9.2	3647.1	73.7	6.9	3249.0	9.0	3448.7
460	2.390	9.2	3656.3	76.3	9.2	3259.3	9.5	3458.2

K E R O G E N A N A L Y S I S

F O R

T H E C L E V E L A N D C L I F F S I R O N C O M P A N Y - W E L L P - 2

DEPTH	D E N S I T Y L O G			V E L O C I T Y L O G			D E N S I T Y A N D V E L O C I T Y	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
460	2.360	11.2	3667.1	72.4	5.7	3241.1	8.5	3454.1
461	2.300	15.6	3683.1	69.7	3.4	3244.5	9.7	3463.8
462	2.300	15.9	3699.0	70.1	3.8	3248.2	9.8	3473.6
463	2.320	14.4	3713.4	73.7	6.9	3255.1	10.6	3484.2
464	2.310	15.2	3728.5	72.4	5.7	3260.8	10.4	3494.7
465	2.270	10.6	3739.1	69.3	3.1	3263.9	6.8	3501.5
466	2.250	19.9	3759.0	70.6	4.2	3268.1	12.1	3513.5
467	2.200	24.1	3783.1	73.7	6.9	3275.0	15.5	3525.0
468	2.290	16.7	3799.8	71.9	5.3	3280.2	11.0	3540.0
469	2.330	13.6	3813.4	70.6	4.2	3284.4	8.9	3548.9
470	2.260	19.1	3832.6	70.6	4.2	3288.6	11.7	3560.6
471	2.300	15.9	3848.5	69.7	3.4	3292.0	9.7	3570.2
472	2.410	7.6	3856.1	69.7	3.4	3295.4	5.5	3575.8
473	2.420	6.9	3863.0	65.3	0.0	3295.4	3.4	3579.2
474	2.440	5.4	3868.4	63.5	0.0	3295.4	2.7	3581.9
475	2.480	2.6	3871.1	62.2	0.0	3295.4	1.3	3583.2
476	2.460	4.0	3875.1	63.1	0.0	3295.4	2.0	3585.3
477	2.420	6.9	3882.0	63.1	0.0	3295.4	3.4	3588.7
478	2.390	9.1	3891.1	63.1	0.0	3295.4	4.5	3593.2
479	2.350	12.1	3903.1	67.5	1.6	3297.0	6.8	3600.1
480	2.230	21.6	3924.7	79.0	11.7	3308.7	16.6	3616.7
481	2.070	25.6	3960.3	79.4	12.0	3320.7	23.8	3640.5
482	1.970	45.2	4005.6	79.9	12.5	3333.2	28.9	3669.4
483	2.110	21.9	4037.5	83.0	15.5	3348.7	23.7	3693.1
484	2.010	41.3	4078.8	81.6	14.1	3362.8	27.7	3720.8
485	2.180	25.8	4104.6	69.3	3.1	3365.9	14.4	3735.2
486	2.440	5.4	4110.0	68.4	2.3	3368.2	3.9	3739.1
487	2.470	3.3	4113.3	69.7	3.4	3371.6	3.4	3742.5
488	2.430	6.2	4119.5	70.6	4.2	3375.8	5.2	3747.6
489	2.350	12.1	4131.6	69.7	3.4	3379.2	7.7	3755.4
490	2.230	21.6	4153.1	72.4	5.7	3385.0	13.6	3769.0
491	2.230	21.6	4174.7	72.4	5.7	3390.7	13.6	3782.7
492	2.210	23.2	4197.9	72.8	6.1	3396.8	14.7	3797.3
493	2.180	25.8	4223.7	73.7	6.9	3403.6	16.3	3813.7
494	2.110	31.9	4255.6	71.9	5.3	3408.9	18.6	3832.3
495	2.110	31.9	4287.6	71.0	4.5	3413.4	18.2	3850.5
496	2.100	32.8	4320.4	71.0	4.5	3418.0	18.7	3869.2
497	1.930	49.4	4369.7	69.7	3.4	3421.4	26.4	3895.5
498	1.920	50.4	4420.1	69.3	3.1	3424.5	26.7	3922.3
499	2.100	32.8	4453.0	69.3	3.1	3427.5	18.0	3940.2
500	2.350	12.1	4465.0	76.3	9.2	3436.7	10.6	3950.9
501	2.250	19.9	4485.0	80.7	13.3	3450.0	16.6	3967.5
502	2.260	19.1	4504.1	83.0	15.5	3465.4	17.2	3984.8
503	2.200	24.1	4528.2	82.5	15.0	3480.4	19.5	4003.3
504	2.260	19.1	4547.3	76.3	9.2	3489.6	14.2	4019.4
505	2.220	14.4	4561.7	71.0	4.5	3494.1	9.4	4037.6
506	2.290	11.2	4570.7	67.5	1.6	3495.7	6.8	4039.9
507	2.290	11.2	4574.7	67.5	1.6	3497.4	6.8	4042.7
508	2.290	11.2	4578.7	69.3	3.1	3500.7	6.8	4045.5
509	2.310	15.2	4599.0	72.4	5.7	3506.4	10.4	4052.7

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHC-B	GAL/TON	ACCUM. YIELD	RHC-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
510	2.340	12.8	4611.8	74.6	7.7	3514.1	10.2	4063.0
511	2.350	12.1	4623.9	72.8	6.1	3520.2	9.1	4072.0
512	2.280	17.5	4641.4	70.6	4.2	3524.3	10.8	4082.9
513	2.350	12.1	4653.5	70.6	4.2	3528.5	8.1	4091.0
514	2.400	8.3	4661.8	70.6	4.2	3532.7	6.3	4097.3
515	2.440	5.4	4667.3	66.6	0.9	3533.6	3.2	4100.4
516	2.460	4.0	4671.3	64.8	0.0	3533.6	2.0	4102.4
517	2.440	5.4	4676.8	64.8	0.0	3533.6	2.7	4105.2
518	2.440	5.4	4682.2	65.7	0.1	3533.7	2.8	4108.0
519	2.440	5.4	4687.7	65.3	0.0	3533.7	2.7	4110.7
520	2.420	6.9	4694.5	64.8	0.0	3533.7	3.4	4114.1
521	2.460	4.0	4698.6	64.8	0.0	3533.7	2.0	4116.1
522	2.460	4.0	4702.6	65.7	0.1	3533.8	2.1	4118.2
523	2.460	4.0	4706.6	67.5	1.6	3535.4	2.8	4121.0
524	2.470	3.3	4709.9	67.9	1.9	3537.3	2.6	4123.6
525	2.480	2.6	4712.6	64.8	0.0	3537.3	1.3	4124.9
526	2.480	2.6	4715.2	66.2	0.5	3537.9	1.6	4126.5
527	2.440	5.4	4720.6	69.7	3.4	3541.3	4.4	4131.0
528	2.390	9.1	4729.7	65.7	3.4	3544.7	6.3	4137.2
529	2.390	9.1	4738.8	70.6	4.2	3548.9	6.6	4143.8
530	2.450	4.7	4743.5	69.3	3.1	3552.0	3.9	4147.7
531	2.450	4.7	4748.3	66.2	0.5	3552.5	2.6	4150.4
532	2.460	4.0	4752.3	64.8	0.0	3552.5	2.0	4152.4
533	2.490	1.9	4754.2	64.0	0.0	3552.5	1.0	4153.4
534	2.530	0.0	4754.2	63.5	0.0	3552.5	0.0	4153.4
535	2.520	0.0	4754.2	63.1	0.0	3552.5	0.0	4153.4
536	2.470	3.3	4757.6	64.8	0.0	3552.5	1.7	4155.0
537	2.490	1.9	4759.5	64.8	0.0	3552.5	1.0	4156.0
538	2.500	1.2	4760.7	64.0	0.0	3552.5	0.6	4156.6
539	2.510	0.6	4761.3	64.8	0.0	3552.5	0.3	4156.9
540	2.530	0.0	4761.3	64.8	0.0	3552.5	0.0	4156.9
541	2.510	0.6	4761.8	64.8	0.0	3552.5	0.3	4157.2
542	2.450	4.7	4766.6	65.7	0.1	3552.6	2.4	4159.6
543	2.470	3.3	4769.9	66.2	0.5	3553.1	1.9	4161.5
544	2.490	1.9	4771.8	67.5	1.6	3554.7	1.8	4163.3
545	2.460	4.0	4775.8	69.3	3.1	3557.8	3.6	4166.8
546	2.420	6.9	4782.7	67.9	1.9	3559.7	4.4	4171.2
547	2.350	12.1	4794.8	72.4	5.7	3565.5	8.9	4180.1
548	2.290	16.7	4811.5	72.4	5.7	3571.2	11.2	4191.4
549	2.330	13.6	4825.1	71.9	5.3	3576.5	9.4	4200.8
550	2.450	4.7	4829.9	72.8	6.1	3582.6	5.4	4206.2
551	2.460	4.0	4833.9	72.4	5.7	3588.3	4.9	4211.1
552	2.440	5.4	4839.3	71.9	5.3	3593.6	5.4	4216.4
553	2.430	6.2	4844.5	72.8	6.1	3599.7	6.1	4222.6
554	2.400	8.3	4855.8	72.8	6.1	3605.7	7.2	4229.6
555	2.360	11.3	4866.5	71.9	5.3	3611.0	9.3	4236.6
556	2.420	7.4	4877.0	72.4	5.7	3616.9	9.6	4243.3
557	2.470	3.3	4887.1	70.6	4.2	3623.0	9.6	4250.3
558	2.470	3.3	4892.0	67.9	1.4	3629.3	9.6	4257.1
559	2.490	1.9	4897.2	66.6	0.9	3635.7	1.4	4258.4

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
560	2.510	0.6	4879.7	65.7	0.1	3622.8	0.3	4251.8
561	2.510	0.6	4880.3	65.3	0.0	3623.3	0.3	4252.0
562	2.460	4.0	4884.3	64.8	0.0	3623.8	2.0	4254.1
563	2.410	7.6	4891.9	65.3	0.0	3623.8	3.8	4257.9
564	2.420	6.9	4898.8	65.3	0.0	3623.8	3.4	4261.3
565	2.460	4.0	4902.9	65.3	0.0	3623.8	2.0	4263.3
566	2.460	4.0	4906.9	64.8	0.0	3623.8	2.0	4265.3
567	2.460	4.0	4910.9	65.3	0.0	3623.8	2.0	4267.3
568	2.460	4.0	4914.9	65.3	0.0	3623.8	2.0	4269.4
569	2.480	2.6	4917.6	64.8	0.0	3623.8	1.3	4270.7
570	2.460	4.0	4921.6	67.9	1.9	3625.8	3.0	4273.6
571	2.440	5.4	4927.0	69.7	3.4	3629.2	4.4	4278.1
572	2.410	7.6	4934.6	69.7	3.4	3632.6	5.5	4283.6
573	2.400	8.3	4943.0	69.7	3.4	3636.0	5.9	4289.5
574	2.450	4.7	4947.7	69.7	3.4	3639.4	4.1	4293.5
575	2.480	2.6	4950.4	69.3	3.1	3642.5	2.9	4296.4
576	2.510	0.6	4950.9	67.1	1.3	3643.8	0.9	4297.3
577	2.490	1.9	4952.8	65.7	0.1	3643.9	1.0	4298.3
578	2.490	1.9	4954.8	67.9	1.9	3645.8	1.9	4300.3
579	2.460	4.0	4958.8	69.3	3.1	3648.9	3.6	4303.8
580	2.460	4.0	4962.8	71.9	5.3	3654.2	4.7	4308.5
581	2.400	8.3	4971.2	73.7	6.9	3661.1	7.6	4316.1
582	2.380	9.8	4981.0	73.7	6.9	3667.9	8.3	4324.4
583	2.460	4.0	4985.0	72.4	5.7	3673.7	4.9	4329.3
584	2.510	0.6	4985.6	75.4	8.4	3682.0	4.5	4333.8
585	2.480	2.6	4988.2	76.8	9.6	3691.7	6.1	4339.9
586	2.320	14.4	5002.6	76.3	9.2	3700.8	11.8	4351.7
587	2.280	17.5	5020.1	75.4	8.4	3709.2	12.9	4364.6
588	2.420	6.9	5027.0	75.4	8.4	3717.6	7.6	4372.2
589	2.480	2.6	5029.6	73.7	6.9	3724.4	4.7	4377.0
590	2.490	1.9	5031.5	69.3	3.1	3727.5	2.5	4379.5
591	2.460	4.0	5035.6	68.4	2.3	3729.9	3.2	4382.7
592	2.420	6.9	5042.4	70.6	4.2	3734.0	5.5	4388.2
593	2.370	10.6	5053.0	71.9	5.3	3739.3	7.9	4396.1
594	2.330	13.6	5066.6	71.9	5.3	3744.6	9.4	4405.6
595	2.400	8.3	5074.9	72.8	6.1	3750.7	7.2	4412.8
596	2.410	7.6	5082.6	73.7	6.9	3757.6	7.2	4420.0
597	2.390	9.1	5091.6	77.2	10.0	3767.6	9.5	4426.6
598	2.320	14.4	5106.0	79.0	11.7	3779.2	13.0	4442.6
599	2.240	20.8	5126.8	76.8	9.6	3788.9	15.2	4457.8
600	2.310	15.2	5141.9	75.4	8.4	3797.2	11.8	4469.5
601	2.400	8.3	5150.3	74.6	7.7	3804.9	8.0	4477.5
602	2.420	6.9	5157.1	73.7	6.9	3811.8	6.9	4484.4
603	2.440	5.4	5162.6	68.4	2.3	3814.1	3.9	4488.3
604	2.400	8.3	5170.9	67.5	1.6	3815.7	5.0	4493.2
605	2.380	9.8	5180.8	70.1	3.8	3819.4	6.8	4500.0
606	2.360	10.1	5189.3	72.8	4.1	3823.5	7.6	4507.6
607	2.380	14.4	5197.2	74.6	7.7	3829.2	11.0	4517.7
608	2.380	14.4	5207.9	75.4	8.4	3841.3	11.0	4528.7
609	2.380	14.4	5220.9	76.3	9.2	3850.7	9.1	4538.7

K E R O G E N A N A L Y S I S

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THE CLEVELAND CLIFFS IRON COMPANY-FELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
610	2.370	10.6	5237.5	76.3	9.2	3859.9	9.9	4548.6
611	2.350	9.1	5246.5	72.4	5.7	3865.6	7.4	4556.0
612	2.350	9.1	5255.6	70.6	4.2	3869.8	6.6	4562.6
613	2.420	6.9	5262.5	70.6	4.2	3874.0	5.5	4568.2
614	2.390	9.1	5271.6	69.3	3.1	3877.1	6.1	4574.3
615	2.350	9.1	5280.7	70.1	3.8	3880.8	6.4	4580.7
616	2.400	8.3	5289.0	72.8	6.1	3886.9	7.2	4587.9
617	2.390	9.1	5298.1	74.1	7.2	3894.1	8.1	4596.0
618	2.390	9.1	5307.2	75.4	8.4	3902.5	8.7	4604.8
619	2.390	9.1	5316.2	77.2	10.0	3912.5	9.5	4614.3
620	2.380	9.8	5326.1	80.7	13.3	3925.7	11.5	4625.8
621	2.380	9.8	5335.9	78.5	11.2	3936.9	10.5	4636.3
622	2.390	9.1	5345.0	79.0	11.7	3948.6	10.4	4646.7
623	2.390	9.1	5354.0	79.4	12.0	3960.6	10.6	4657.3
624	2.410	7.6	5361.6	80.7	13.3	3973.9	10.4	4667.7
625	2.400	8.3	5370.0	81.2	13.7	3987.6	11.0	4678.7
626	2.350	12.1	5382.1	83.0	15.5	4003.1	13.8	4692.5
627	2.310	15.2	5397.2	85.6	18.0	4021.1	16.6	4709.1
628	2.280	17.5	5414.7	87.4	19.8	4040.9	18.7	4727.7
629	2.210	23.2	5438.0	92.2	24.8	4065.6	24.0	4751.7
630	2.160	27.5	5465.5	92.7	25.3	4090.9	26.4	4778.1
631	2.210	23.2	5488.7	94.0	26.7	4117.6	24.9	4803.1
632	2.230	21.6	5510.3	94.0	26.7	4144.2	24.1	4827.2
633	2.250	19.9	5530.2	90.0	22.5	4166.7	21.2	4848.4
634	2.290	16.7	5546.9	86.9	19.3	4186.0	18.0	4866.4
635	2.320	14.4	5561.3	83.4	15.8	4201.8	15.1	4881.5
636	2.360	11.3	5572.6	80.7	13.3	4215.1	12.3	4893.8
637	2.380	9.8	5582.4	79.0	11.7	4226.7	10.7	4904.5
638	2.380	9.8	5592.3	76.8	9.6	4236.4	9.7	4914.2
639	2.380	9.8	5602.1	76.3	9.2	4245.6	9.5	4923.7
640	2.420	6.9	5609.0	75.0	8.0	4253.6	7.5	4931.2
641	2.440	5.4	5614.4	75.0	8.0	4261.6	6.7	4937.9
642	2.400	8.3	5622.8	78.5	11.2	4272.8	9.8	4947.7
643	2.290	16.7	5639.5	79.4	12.0	4284.8	14.4	4962.1
644	2.220	22.4	5661.9	79.4	12.0	4296.8	17.2	4979.3
645	2.380	9.8	5671.7	79.4	12.0	4308.9	10.9	4990.2
646	2.430	6.2	5677.9	80.7	13.3	4322.1	9.7	4999.9
647	2.450	4.0	5681.9	77.2	10.0	4332.1	7.0	5006.9
648	2.460	4.0	5685.9	74.1	7.2	4339.3	5.6	5007.6
649	2.420	6.9	5692.8	74.5	7.7	4347.0	7.3	5015.8
650	2.390	9.1	5701.9	74.6	7.7	4354.6	8.4	5023.9
651	2.440	5.4	5707.3	75.4	8.4	4363.0	6.9	5033.1
652	2.460	4.0	5711.4	78.1	10.8	4373.8	7.4	5042.5
653	2.420	6.9	5718.2	78.1	10.8	4384.7	8.9	5051.4
654	2.420	6.9	5725.1	75.4	8.4	4393.0	7.6	5059.0
655	2.450	4.7	5729.9	76.5	11.2	4404.2	9.0	5067.4
656	2.420	6.9	5736.7	79.0	11.7	4415.9	9.3	5076.1
657	2.420	6.9	5743.1	79.4	12.0	4427.7	9.5	5084.9
658	2.420	6.9	5749.1	79.4	12.0	4437.0	9.5	5093.6
659	2.420	6.9	5752.9	79.4	12.0	4442.0	9.5	5102.6

N E R G E N A N A L Y S I S

F O R

T H E C L I V E L A N D C L I F F S I R O N C O M P A N Y - W E L L P - 2

DEPTH	D E N S I T Y L O G			V E L O C I T Y L O G			D E N S I T Y A N D V E L O C I T Y	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
660	2.440	5.4	5779.4	78.1	10.8	4462.8	8.1	5121.0
661	2.450	4.7	5784.1	76.3	9.2	4472.0	7.0	5128.0
662	2.420	6.5	5791.0	79.4	12.0	4484.0	9.5	5137.4
663	2.450	4.7	5795.7	79.0	11.7	4495.7	8.2	5145.6
664	2.370	10.6	5806.3	79.4	12.0	4507.7	11.3	5156.9
665	2.270	18.3	5824.6	79.9	12.5	4520.2	15.4	5172.3
666	2.360	11.3	5835.5	79.4	12.0	4532.2	11.7	5184.0
667	2.420	6.9	5842.8	79.9	12.5	4544.7	9.7	5193.7
668	2.430	6.2	5849.0	79.4	12.0	4556.8	9.1	5202.8
669	2.440	5.4	5854.4	78.1	10.8	4567.6	8.1	5210.9
670	2.430	6.2	5860.6	76.8	9.6	4577.2	7.9	5218.8
671	2.310	15.2	5875.8	79.4	12.0	4589.3	12.6	5232.4
672	2.210	22.2	5899.0	78.5	11.2	4600.5	17.2	5249.6
673	2.320	14.4	5913.4	79.4	12.0	4612.5	13.2	5262.8
674	2.400	8.3	5921.7	80.7	13.3	4625.7	10.8	5273.6
675	2.420	6.9	5928.6	81.2	13.7	4639.5	10.3	5283.9
676	2.370	10.6	5939.2	83.8	16.2	4655.7	13.4	5297.3
677	2.250	19.9	5959.1	83.8	16.2	4671.9	18.1	5315.4
678	2.140	29.2	5988.3	82.5	15.0	4686.9	22.1	5337.5
679	2.280	17.5	6005.5	81.2	13.7	4700.6	15.6	5352.2
680	2.420	6.9	6012.7	76.3	9.2	4709.8	8.0	5361.2
681	2.440	5.4	6018.2	71.9	5.3	4715.1	5.4	5366.6
682	2.460	4.0	6022.2	69.7	3.4	4718.5	3.7	5370.3
683	2.470	3.3	6025.5	69.3	3.1	4721.6	3.2	5373.5
684	2.420	6.9	6032.4	69.7	3.4	4725.0	5.2	5378.6
685	2.380	9.8	6042.2	70.1	3.8	4728.8	6.8	5385.4
686	2.390	9.1	6051.3	69.7	3.4	4732.2	6.3	5391.7
687	2.400	8.3	6059.7	71.9	5.3	4737.5	6.8	5398.5
688	2.420	6.9	6066.6	76.3	9.2	4746.7	8.0	5406.5
689	2.320	14.4	6080.9	80.3	12.9	4759.5	13.6	5420.1
690	2.250	19.9	6100.9	81.2	13.7	4773.3	16.8	5437.0
691	2.150	28.4	6129.2	82.5	15.0	4788.2	21.7	5458.6
692	2.280	17.5	6146.8	82.5	15.0	4803.2	16.2	5474.9
693	2.380	9.8	6156.6	80.7	13.3	4816.5	11.5	5486.4
694	2.430	5.2	6162.7	75.4	8.4	4824.8	7.3	5493.7
695	2.460	4.0	6166.8	74.6	7.7	4832.5	5.8	5499.5
696	2.440	5.4	6172.2	75.0	8.0	4840.5	6.7	5506.3
697	2.410	7.6	6179.8	74.6	7.7	4848.2	7.6	5513.9
698	2.320	14.4	6194.2	75.0	8.0	4856.2	11.2	5525.1
699	2.320	14.4	6208.6	75.0	8.0	4864.2	11.2	5536.3
700	2.440	5.4	6214.0	74.6	7.7	4871.8	6.6	5542.8
701	2.400	8.3	6222.4	74.6	7.7	4879.5	8.0	5550.8
702	2.340	12.8	6235.2	75.0	8.0	4887.5	10.4	5559.1
703	2.310	15.2	6250.3	75.0	8.0	4895.5	11.6	5568.8
704	2.320	14.4	6264.7	74.6	7.7	4903.2	11.0	5579.9
705	2.350	12.1	6276.8	71.0	4.5	4907.7	6.3	5590.2
706	2.380	9.8	6288.6	69.3	3.1	4910.8	6.5	5599.6
707	2.400	8.3	6297.0	68.4	2.3	4913.1	5.3	5609.6
708	2.400	8.3	6300.4	70.1	3.8	4916.9	4.6	5619.6
709	2.400	8.3	6303.8	71.0	4.5	4921.4	5.3	5629.6

K E R C O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY--WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHC-B	GAL/TON	ACCUM. YIELD	RHC-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
710	2.380	9.8	6316.4	70.6	4.2	4925.6	7.0	5620.9
711	2.350	12.1	6328.5	70.1	3.8	4929.3	7.9	5628.8
712	2.370	10.6	6339.0	70.6	4.2	4933.5	7.4	5636.2
713	2.400	8.3	6347.4	69.3	3.1	4936.6	5.7	5641.9
714	2.400	8.3	6355.7	66.6	0.9	4937.4	4.6	5646.5
715	2.430	6.2	6361.9	65.3	0.0	4937.4	3.1	5649.6
716	2.460	4.0	6365.9	64.0	0.0	4937.4	2.0	5651.6
717	2.420	6.9	6372.8	65.3	0.0	4937.4	3.4	5655.0
718	2.420	6.9	6379.7	67.5	1.6	4939.0	4.2	5659.3
719	2.400	8.3	6388.0	67.5	1.6	4940.6	5.0	5664.2
720	2.370	10.6	6398.6	67.9	1.9	4942.5	6.2	5670.5
721	2.390	9.1	6407.7	69.3	3.1	4945.6	6.1	5676.5
722	2.420	6.9	6414.6	70.1	3.8	4949.4	5.3	5681.9
723	2.400	8.3	6422.9	69.7	3.4	4952.8	5.9	5687.7
724	2.400	8.3	6431.2	69.7	3.4	4956.2	5.9	5693.6
725	2.390	9.1	6440.3	70.1	3.8	4960.0	6.4	5700.0
726	2.400	8.3	6448.7	71.9	5.3	4965.2	6.8	5706.9
727	2.370	10.6	6459.2	70.6	4.2	4969.4	7.4	5714.2
728	2.370	10.6	6469.8	70.1	3.8	4973.2	7.2	5721.4
729	2.400	8.3	6478.1	69.3	3.1	4976.3	5.7	5727.1
730	2.460	4.0	6482.2	69.3	3.1	4979.3	3.6	5730.7
731	2.490	1.9	6484.1	69.3	3.1	4982.4	2.5	5733.2
732	2.490	1.9	6486.0	70.6	4.2	4986.6	3.1	5736.2
733	2.440	5.4	6491.5	71.9	5.3	4991.9	5.4	5741.6
734	2.340	12.8	6504.3	70.6	4.2	4996.1	8.5	5750.1
735	2.380	9.8	6514.1	71.0	4.5	5000.6	7.2	5757.3
736	2.420	6.9	6521.0	71.9	5.3	5005.9	6.1	5763.4
737	2.460	4.0	6525.0	71.9	5.3	5011.2	4.7	5768.0
738	2.460	4.0	6529.1	71.9	5.3	5016.5	4.7	5772.7
739	2.420	6.9	6536.0	70.6	4.2	5020.7	5.5	5778.2
740	2.320	14.4	6550.3	70.1	3.8	5024.4	9.1	5787.3
741	2.290	16.7	6567.1	70.6	4.2	5028.6	10.5	5797.7
742	2.320	14.4	6581.4	70.6	4.2	5032.8	9.3	5807.0
743	2.400	8.3	6589.8	71.0	4.5	5037.3	6.4	5813.4
744	2.380	9.8	6599.6	73.7	6.9	5044.1	8.3	5821.8
745	2.400	8.3	6607.9	75.0	8.0	5052.2	8.2	5829.9
746	2.360	11.2	6619.3	74.6	7.7	5059.8	9.5	5839.4
747	2.340	12.8	6632.1	74.6	7.7	5067.5	10.2	5849.7
748	2.350	12.1	6644.2	74.6	7.7	5075.1	9.9	5859.5
749	2.210	15.2	6659.3	73.7	6.9	5082.0	11.0	5870.6
750	2.340	12.8	6672.2	71.9	5.3	5087.3	9.1	5879.6
751	2.420	6.9	6679.0	70.6	4.2	5091.5	5.5	5889.3
752	2.460	4.0	6683.1	68.4	2.3	5093.8	3.2	5893.3
753	2.460	4.0	6687.1	67.5	1.6	5095.4	2.8	5897.1
754	2.440	5.4	6692.5	68.4	2.3	5097.7	3.9	5903.0
755	2.420	6.9	6699.4	69.7	3.4	5101.1	5.2	5909.2
756	2.400	8.3	6707.6	69.3	3.1	5106.2	5.7	5916.6
757	2.440	4.0	6712.9	69.3	3.1	5107.3	4.2	5922.8
758	2.440	4.0	6717.9	69.7	3.4	5111.7	5.7	5930.1
759	2.440	4.0	6722.9	69.7	3.4	5114.1	4.4	5936.9

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY--WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-P	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
760	2.420	6.9	6729.6	69.3	3.1	5117.2	5.0	5923.3
761	2.400	8.3	6737.9	69.7	3.4	5120.6	5.9	5929.2
762	2.350	12.1	6750.0	70.6	4.2	5124.8	8.1	5937.3
763	2.350	12.1	6762.1	72.4	5.7	5130.5	8.9	5946.2
764	2.350	12.1	6774.1	75.0	8.0	5138.5	10.0	5956.2
765	2.370	10.6	6784.7	79.0	11.7	5150.2	11.1	5967.4
766	2.320	14.4	6799.1	78.5	11.2	5161.4	12.8	5980.1
767	2.240	20.8	6819.8	80.7	13.3	5174.7	17.0	5997.1
768	2.120	21.0	6850.9	82.5	15.0	5189.6	23.0	6020.1
769	2.230	21.6	6872.4	82.5	15.0	5204.6	18.3	6038.4
770	2.370	10.6	6883.0	77.2	10.0	5214.6	10.3	6048.7
771	2.390	9.1	6892.1	78.1	10.8	5225.4	10.0	6058.6
772	2.410	7.6	6899.7	81.2	13.7	5239.1	10.7	6069.3
773	2.320	14.4	6914.1	81.2	13.7	5252.9	14.1	6083.4
774	2.220	22.4	6936.5	82.5	15.0	5267.8	18.7	6102.0
775	2.130	30.1	6966.6	86.9	19.3	5287.1	24.7	6126.8
776	2.250	19.9	6986.5	90.5	23.0	5310.1	21.5	6148.2
777	2.350	12.1	6998.6	88.3	20.7	5330.8	16.4	6164.6
778	2.280	17.5	7016.1	83.0	15.5	5346.3	16.5	6181.1
779	2.170	26.6	7042.8	82.5	15.0	5361.3	20.8	6201.9
780	2.270	18.3	7061.1	74.6	7.7	5368.9	13.0	6214.9
781	2.410	7.6	7068.7	69.3	3.1	5372.0	5.3	6220.2
782	2.480	2.6	7071.3	66.2	0.5	5372.5	1.6	6221.8
783	2.450	4.7	7076.0	65.3	0.0	5372.5	2.4	6224.2
784	2.400	8.3	7084.4	65.7	0.1	5372.7	4.2	6228.4
785	2.370	10.6	7095.0	66.2	0.5	5373.2	5.6	6233.9
786	2.330	13.6	7108.6	63.5	0.0	5373.2	6.8	6240.8
787	2.380	9.8	7118.4	63.5	0.0	5373.2	4.9	6245.7
788	2.460	4.0	7122.4	65.7	0.1	5373.3	2.1	6247.7
789	2.530	0.0	7122.4	64.8	0.0	5373.3	0.0	6247.7
790	2.550	0.0	7122.4	65.3	0.0	5373.3	0.0	6247.7
791	2.460	4.0	7126.4	68.4	2.3	5375.7	3.2	6250.9
792	2.450	4.7	7131.2	76.8	9.6	5385.3	7.2	6258.1
793	2.460	4.0	7135.2	83.0	15.5	5400.7	9.7	6267.8
794	2.350	12.1	7147.3	85.6	18.0	5418.7	15.0	6282.9
795	2.300	15.9	7163.2	87.4	19.8	5438.5	17.9	6300.8
796	2.230	21.6	7184.8	90.0	22.5	5461.0	22.0	6322.8
797	2.130	30.1	7214.9	90.0	22.5	5483.5	26.3	6349.1
798	2.290	16.7	7231.6	89.6	22.0	5503.5	19.4	6368.4
799	2.350	12.1	7243.7	87.4	19.8	5525.3	15.9	6384.4
800	2.340	12.8	7254.5	86.9	19.3	5544.6	16.1	6400.4
801	2.260	19.1	7275.7	89.6	22.0	5566.6	20.6	6421.0
802	2.170	26.6	7302.3	94.0	26.7	5583.3	26.6	6447.7
803	2.070	35.6	7337.9	96.2	29.0	5622.3	32.3	6480.0
804	2.090	33.7	7371.6	101.1	34.5	5656.8	34.1	6514.1
805	2.120	31.0	7402.6	104.5	38.5	5693.3	34.8	6544.9
806	2.090	31.0	7434.2	97.2	41.5	5743.9	39.0	6580.0
807	2.090	31.0	7465.8	95.9	41.0	5794.9	39.0	6610.0
808	2.100	31.0	7497.4	94.1	39.0	5845.9	39.0	6640.0
809	2.100	31.0	7529.0	93.1	25.7	5897.5	39.0	6670.0

K E R O G E N A N A L Y S I S

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
810	2.280	17.5	7567.2	87.4	19.8	5857.3	18.7	6712.2
811	2.320	14.4	7581.6	85.2	17.6	5874.9	16.0	6722.1
812	2.350	12.1	7593.7	82.5	15.0	5889.9	13.5	6741.7
813	2.370	10.6	7604.2	81.6	14.1	5904.0	12.3	6754.0
814	2.290	16.7	7621.0	79.4	12.0	5916.1	14.4	6768.4
815	2.330	12.6	7634.6	77.2	10.0	5926.1	11.8	6780.2
816	2.390	9.1	7643.6	76.3	9.2	5935.2	9.1	6789.3
817	2.400	8.2	7652.0	73.7	6.9	5942.1	7.6	6796.9
818	2.370	10.6	7662.6	70.6	4.2	5946.3	7.4	6804.3
819	2.370	10.6	7673.1	71.9	5.3	5951.6	7.9	6812.2
820	2.380	9.8	7682.9	71.9	5.3	5956.9	7.6	6816.8
821	2.330	13.6	7696.5	71.9	5.3	5962.1	9.4	6829.2
822	2.260	19.1	7715.7	79.4	12.0	5974.2	15.6	6844.8
823	2.130	30.1	7745.8	84.3	16.7	5990.9	23.4	6868.2
824	2.010	41.3	7787.1	87.4	19.8	6010.7	30.6	6898.8
825	2.090	33.7	7820.8	91.8	24.3	6035.0	29.0	6927.8
826	2.230	21.6	7842.4	95.8	28.6	6053.6	25.1	6952.9
827	2.240	20.8	7863.2	98.4	31.5	6095.1	26.1	6979.0
828	2.240	20.8	7883.9	98.4	31.5	6126.5	26.1	7005.1
829	2.180	25.8	7909.7	101.1	34.5	6161.0	30.1	7025.2
830	2.050	37.5	7947.1	105.5	39.6	6200.6	38.5	7073.7
831	1.980	44.3	7991.4	112.5	48.0	6248.5	46.1	7119.8
832	1.870	55.8	8047.1	118.7	55.8	6304.3	55.8	7175.6
833	1.760	68.4	8115.5	124.9	64.0	6368.3	66.2	7241.8
834	1.680	78.4	8193.9	128.4	68.7	6437.0	73.5	7315.3
835	1.600	89.2	8283.1	126.7	66.4	6503.4	77.8	7393.1
836	1.580	92.0	8375.1	129.3	69.9	6573.3	81.0	7474.1
837	1.690	77.1	8452.2	120.5	58.1	6631.4	67.6	7541.7
838	1.790	64.8	8517.0	116.1	52.5	6683.9	58.6	7600.3
839	1.920	50.4	8567.4	114.8	50.8	6734.8	50.6	7651.0
840	2.090	33.7	8601.2	109.9	44.8	6779.5	39.3	7690.2
841	2.090	33.7	8634.9	102.8	36.4	6816.0	35.1	7725.3
842	2.140	29.2	8664.1	95.8	28.6	6844.6	28.9	7754.2
843	2.210	22.2	8687.4	91.3	23.8	6868.4	23.5	7777.8
844	2.220	21.6	8708.9	97.5	30.5	6898.8	26.0	7803.8
845	2.110	31.9	8740.9	102.8	36.4	6937.3	34.2	7837.9
846	1.980	44.3	8785.1	102.8	36.4	6971.7	40.3	7878.3
847	1.920	50.4	8825.5	103.3	37.0	7008.7	43.7	7922.0
848	2.010	41.3	8876.8	107.7	42.2	7050.8	41.7	7963.7
849	2.090	33.7	8910.6	109.5	44.3	7095.1	39.0	8000.7
850	2.150	28.4	8938.9	110.3	45.3	7140.4	36.8	8039.5
851	2.090	33.7	8972.7	104.6	38.5	7178.9	36.1	8075.7
852	2.100	32.8	9005.5	97.5	30.5	7209.4	31.6	8117.3
853	2.250	19.9	9025.4	92.2	24.8	7234.1	22.3	8147.6
854	2.280	17.5	9042.9	93.1	25.7	7259.8	21.6	8174.3
855	2.260	19.1	9062.1	94.4	27.1	7286.9	22.1	8204.4
856	2.150	31.9	9099.6	90.0	22.9	7309.4	23.0	8234.9
857	2.150	31.9	9129.6	90.0	22.9	7339.4	23.0	8264.9
858	2.150	31.9	9159.6	90.0	22.9	7369.4	23.0	8294.9
859	2.250	19.9	9179.1	87.4	19.8	7370.5	19.9	8305.0

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY-Well P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
860	2.320	14.4	9162.4	81.2	13.7	7384.3	14.1	8273.3
861	2.340	12.8	9175.3	80.7	13.3	7397.6	13.0	8286.3
862	2.300	15.9	9191.2	87.4	19.8	7417.4	17.9	8304.2
863	2.170	26.6	9217.8	90.0	22.5	7439.8	24.5	8328.7
864	2.100	32.8	9250.7	93.1	25.7	7465.5	29.3	8358.0
865	2.170	26.6	9277.3	98.4	31.5	7497.0	29.0	8387.0
866	2.200	24.1	9301.4	102.8	36.4	7533.4	30.2	8417.3
867	2.170	26.6	9328.0	98.9	32.0	7565.4	29.3	8446.6
868	2.090	33.7	9361.7	94.0	26.7	7592.1	30.2	8476.8
869	2.180	25.8	9387.5	94.0	26.7	7618.7	26.2	8503.0
870	2.260	19.1	9406.6	89.6	22.0	7640.8	20.6	8523.6
871	2.300	15.9	9422.6	83.8	16.2	7657.0	16.1	8535.7
872	2.340	12.8	9435.4	81.6	14.1	7671.1	13.5	8553.1
873	2.340	12.8	9448.2	82.5	15.0	7686.1	13.9	8567.0
874	2.340	12.8	9461.1	79.4	12.0	7698.1	12.4	8579.5
875	2.270	18.3	9479.4	79.0	11.7	7709.8	15.0	8594.5
876	2.290	16.7	9496.1	79.4	12.0	7721.8	14.4	8608.8
877	2.370	10.6	9506.7	76.8	9.6	7731.4	10.1	8618.9
878	2.350	12.1	9518.8	75.4	8.4	7739.8	10.2	8629.2
879	2.390	9.1	9527.8	76.3	9.2	7749.0	9.1	8638.3
880	2.400	8.3	9536.2	76.3	9.2	7758.2	8.8	8647.1
881	2.370	10.6	9546.7	73.7	6.9	7765.0	8.7	8655.8
882	2.330	13.6	9560.3	72.8	6.1	7771.1	9.8	8665.6
883	2.340	12.8	9573.2	75.0	8.0	7779.1	10.4	8676.0
884	2.340	12.8	9586.0	78.1	10.8	7789.9	11.8	8687.9
885	2.240	20.8	9606.8	76.8	9.6	7799.6	15.2	8703.1
886	2.280	17.5	9624.3	78.1	10.8	7810.4	14.2	8717.2
887	2.370	10.6	9634.9	78.1	10.8	7821.2	10.7	8727.9
888	2.380	9.8	9644.7	78.1	10.8	7832.0	10.3	8738.2
889	2.260	19.1	9663.8	82.5	15.0	7847.0	17.0	8755.3
890	2.100	32.8	9696.6	85.2	17.6	7864.6	25.2	8780.5
891	2.180	25.8	9722.4	82.5	15.0	7879.6	20.4	8800.9
892	2.270	10.6	9733.0	81.6	14.1	7893.7	12.3	8813.2
893	2.420	6.9	9739.8	79.9	12.5	7906.2	9.7	8822.9
894	2.400	8.3	9748.2	72.4	5.7	7911.9	7.0	8829.9
895	2.400	8.3	9756.5	69.7	3.4	7915.3	5.9	8835.8
896	2.430	6.2	9762.7	74.6	7.7	7923.0	6.9	8842.7
897	2.310	15.2	9777.9	78.5	11.2	7934.2	13.2	8855.9
898	2.120	31.0	9808.9	80.7	13.3	7947.4	22.1	8876.0
899	2.160	27.5	9836.4	82.5	15.0	7962.4	21.2	8899.3
900	2.280	17.5	9853.9	83.4	15.8	7978.3	16.7	8916.0
901	2.420	6.9	9860.8	78.5	11.2	7989.5	9.0	8932.5
902	2.460	4.0	9864.8	72.8	6.1	7995.5	5.1	8938.0
903	2.480	2.6	9867.4	70.6	4.2	7999.7	3.4	8933.4
904	2.490	1.9	9869.4	67.9	1.9	8001.6	1.9	8935.4
905	2.450	4.7	9874.1	63.5	0.0	8001.6	2.4	8937.7
906	2.430	6.2	9880.3	64.0	0.0	8001.6	3.1	8939.8
907	2.400	1.1	9882.2	66.2	0.5	8002.2	1.1	8940.1
908	2.390	1.1	9883.7	67.5	1.6	8002.7	1.1	8941.1
909	2.380	1.1	9885.2	67.5	1.6	8003.2	1.1	8941.1

K E R D O E N A N A L Y S I S

F O R

T H E C L E V E L A N D C L I F F S I R O N C O M P A N Y - K E L L P - 2

D E P T H	D E N S I T Y L O G			V E L O C I T Y L O G			D E N S I T Y A N D V E L O C I T Y	
	R H O - B	G A L / T O N	A C C U M . Y I E L D	R H O - B	G A L / T O N	A C C U M . Y I E L D	G A L / T O N	A C C U M . Y I E L D
910	2.490	1.9	9885.2	68.4	2.3	8007.7	2.1	8946.3
911	2.480	2.6	9887.8	69.3	3.1	8010.8	2.9	8946.2
912	2.460	4.0	9891.9	69.3	3.1	8013.8	3.6	8946.2
913	2.450	4.7	9896.6	69.3	3.1	8016.9	3.9	8946.2
914	2.460	4.0	9900.6	68.4	2.3	8019.2	3.2	8946.2
915	2.440	5.4	9906.1	67.5	1.6	8020.8	3.5	8946.2
916	2.410	7.6	9913.7	66.2	0.5	8021.4	4.1	8946.2
917	2.370	10.6	9924.3	67.5	1.6	8022.3	6.1	8946.2
918	2.370	10.6	9934.8	67.5	1.6	8024.5	6.1	8946.2
919	2.390	9.1	9943.9	67.5	1.6	8026.1	5.3	8946.2
920	2.400	8.3	9952.3	67.5	1.6	8027.7	5.0	8946.2
921	2.400	8.3	9960.6	67.9	1.9	8029.6	5.1	8946.2
922	2.390	9.1	9969.7	67.9	1.9	8031.6	5.5	8946.2
923	2.370	10.6	9980.2	67.5	1.6	8033.2	6.1	8946.2
924	2.350	12.1	9992.3	67.5	1.6	8034.7	6.8	8946.2
925	2.380	9.8	10002.1	67.5	1.6	8036.3	5.7	8946.2
926	2.420	6.9	10009.0	66.2	0.5	8036.9	3.7	8946.2
927	2.440	5.4	10014.5	65.7	0.1	8037.0	2.8	8946.2
928	2.420	6.9	10021.4	65.7	0.1	8037.1	3.5	8946.2
929	2.440	5.4	10026.8	64.8	0.0	8037.1	2.7	8946.2
930	2.470	3.3	10030.1	63.1	0.0	8037.1	1.7	8946.2
931	2.450	4.7	10034.9	63.1	0.0	8037.1	2.4	8946.2
932	2.460	4.0	10038.9	62.2	0.0	8037.1	2.0	8946.2
933	2.480	2.6	10041.5	61.8	0.0	8037.1	1.3	8946.2
934	2.490	1.9	10043.4	62.2	0.0	8037.1	1.0	8946.2
935	2.490	1.9	10045.4	62.2	0.0	8037.1	1.0	8946.2
936	2.450	4.7	10050.1	61.8	0.0	8037.1	2.4	8946.2
937	2.440	5.4	10055.5	62.2	0.0	8037.1	2.7	8946.2
938	2.460	4.0	10059.6	62.2	0.0	8037.1	2.0	8946.2
939	2.490	1.9	10061.5	61.8	0.0	8037.1	1.0	8946.2
940	2.490	1.9	10063.4	61.8	0.0	8037.1	1.0	8946.2
941	2.490	1.9	10065.4	63.1	0.0	8037.1	1.0	8946.2
942	2.460	4.0	10069.4	63.5	0.0	8037.1	2.0	8946.2
943	2.450	4.7	10074.1	63.5	0.0	8037.1	2.4	8946.2
944	2.450	4.7	10078.9	64.8	0.0	8037.1	2.4	8946.2
945	2.470	3.3	10082.2	65.3	0.0	8037.1	1.7	8946.2
946	2.480	2.6	10084.6	64.8	0.0	8037.1	1.3	8946.2
947	2.480	2.6	10086.9	62.2	0.0	8037.1	0.3	8946.2
948	2.480	2.6	10088.9	62.2	0.0	8037.1	0.0	8946.2
949	2.480	2.6	10090.9	63.1	0.0	8037.1	0.0	8946.2
950	2.480	2.6	10092.9	66.6	0.0	8037.1	0.4	8946.2
951	2.480	2.6	10094.9	70.1	0.0	8037.1	1.9	8946.2
952	2.480	2.6	10096.9	72.4	0.0	8037.1	2.7	8946.2
953	2.480	2.6	10098.9	75.0	0.0	8037.1	5.5	8946.2
954	2.480	2.6	10100.9	78.0	0.0	8037.1	12.0	8946.2
955	2.480	2.6	10102.9	82.0	0.0	8037.1	12.1	8946.2
956	2.480	2.6	10104.9	84.0	0.0	8037.1	12.1	8946.2
957	2.480	2.6	10106.9	84.0	0.0	8037.1	12.1	8946.2
958	2.480	2.6	10108.9	84.0	0.0	8037.1	12.1	8946.2
959	2.480	2.6	10110.9	84.0	0.0	8037.1	12.1	8946.2

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
960	2.370	10.6	10229.8	94.0	26.7	8202.7	18.6	9216.1
961	2.420	6.9	10236.6	87.8	20.2	8222.9	13.5	9229.6
962	2.420	6.9	10243.5	80.7	13.3	8236.2	10.1	9239.7
963	2.420	6.9	10250.4	78.1	10.8	8247.0	8.9	9248.6
964	2.400	8.3	10258.8	76.3	9.2	8256.2	8.8	9257.3
965	2.480	2.6	10261.4	74.6	7.7	8263.8	5.1	9262.5
966	2.460	4.0	10265.4	69.3	3.1	8266.9	3.6	9266.0
967	2.440	5.4	10270.9	67.1	1.3	8268.2	3.4	9269.4
968	2.440	5.4	10276.3	66.6	0.9	8269.0	3.2	9272.5
969	2.470	3.3	10279.6	67.5	1.6	8270.6	2.5	9275.0
970	2.460	4.0	10283.7	67.9	1.9	8272.5	3.0	9278.0
971	2.450	4.7	10288.4	69.3	3.1	8275.6	3.9	9281.9
972	2.460	4.0	10292.4	73.7	6.9	8282.5	5.4	9287.3
973	2.450	4.7	10297.1	76.3	9.2	8291.6	7.0	9294.3
974	2.390	9.1	10306.2	75.4	8.4	8300.0	8.7	9303.0
975	2.350	12.1	10318.3	78.1	10.8	8310.8	11.5	9314.4
976	2.490	1.9	10320.2	79.4	12.0	8322.9	7.0	9321.4
977	2.460	4.0	10324.3	78.5	11.2	8334.1	7.6	9329.0
978	2.410	7.6	10331.9	74.6	7.7	8341.7	7.6	9336.7
979	2.390	9.1	10340.9	76.3	9.2	8350.9	9.1	9345.8
980	2.450	4.7	10345.7	76.8	9.6	8360.5	7.2	9353.0
981	2.410	7.6	10353.3	74.6	7.7	8368.2	7.6	9360.6
982	2.410	7.6	10360.9	79.4	12.0	8380.2	9.8	9370.4
983	2.350	12.1	10373.0	83.8	16.2	8396.5	14.2	9384.6
984	2.290	16.7	10389.7	83.0	15.5	8411.9	16.1	9400.7
985	2.290	16.7	10406.4	79.0	11.7	8423.6	14.2	9414.9
986	2.410	7.6	10414.0	79.4	12.0	8435.6	9.8	9424.7
987	2.420	6.9	10420.9	85.6	18.0	8453.6	12.4	9437.1
988	2.340	12.8	10433.8	85.2	17.6	8471.2	15.2	9452.4
989	2.190	24.9	10458.7	88.7	21.1	8492.3	23.0	9475.4
990	2.120	31.0	10489.7	90.5	23.0	8515.3	27.0	9502.4
991	2.260	19.1	10508.8	94.4	27.1	8542.4	23.1	9525.5
992	2.290	16.7	10525.6	96.6	29.5	8571.9	23.1	9548.6
993	2.220	22.4	10548.0	86.9	19.3	8591.2	20.9	9569.4
994	2.170	26.6	10574.6	82.5	15.0	8606.1	20.8	9590.2
995	2.230	21.6	10596.2	79.0	11.7	8617.8	16.6	9606.8
996	2.430	6.2	10602.3	72.8	6.1	8623.9	6.1	9613.0
997	2.440	5.4	10607.8	69.7	3.4	8627.3	4.4	9617.4
998	2.370	10.6	10618.3	69.7	3.4	8630.7	7.0	9624.4
999	2.370	10.6	10628.5	71.9	5.3	8636.0	7.9	9632.3
1000	2.340	12.8	10641.7	76.3	9.2	8645.2	11.0	9645.3
1001	2.320	14.4	10656.1	78.5	11.2	8656.4	12.8	9658.1
1002	2.320	14.4	10670.5	82.5	15.0	8671.3	14.7	9673.8
1003	2.310	13.6	10684.1	86.9	19.3	8690.6	16.5	9689.2
1004	2.290	16.7	10700.8	86.9	16.3	8709.9	18.0	9710.2
1005	2.290	21.6	10712.4	85.6	18.0	8727.9	19.8	9730.0
1006	2.290	21.6	10724.7	85.6	18.0	8745.9	14.7	9744.9
1007	2.290	21.6	10736.7	84.3	16.7	8763.7	13.3	9758.2
1008	2.290	21.6	10748.7	81.5	11.2	8778.8	11.0	9770.2
1009	2.290	21.6	10760.7	79.0	11.7	8788.4	11.1	9781.3

REPORT ON ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-DELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
1010	2.310	15.2	10776.1	78.5	11.2	8799.6	13.2	9787.7
1011	2.380	9.8	10785.5	78.1	10.8	8810.4	10.3	9798.1
1012	2.420	6.9	10792.8	77.3	10.0	8820.4	8.4	9806.5
1013	2.400	8.3	10801.2	78.5	11.2	8831.6	9.8	9816.3
1014	2.350	12.1	10813.3	81.2	13.7	8845.4	12.9	9825.2
1015	2.260	19.1	10832.4	83.0	15.5	8860.8	17.3	9846.5
1016	2.140	29.2	10861.6	88.7	21.1	8881.9	25.2	9871.6
1017	2.230	21.6	10883.2	94.0	26.7	8909.6	24.1	9895.8
1018	2.230	21.6	10904.8	91.3	23.8	8932.4	22.7	9918.5
1019	2.260	19.1	10923.9	84.3	16.7	8949.1	17.9	9936.4
1020	2.420	6.9	10930.8	81.2	13.7	8962.9	10.3	9946.7
1021	2.440	5.4	10936.2	78.1	10.3	8973.7	8.1	9954.8
1022	2.430	6.2	10942.4	75.0	8.0	8981.7	7.1	9961.9
1023	2.400	8.3	10950.7	72.8	6.1	8987.8	7.2	9969.1
1024	2.380	9.8	10960.5	73.7	6.9	8994.6	8.3	9977.5
1025	2.350	12.1	10972.6	73.7	6.9	9001.5	9.5	9986.9
1026	2.370	10.6	10983.2	72.4	5.7	9007.2	8.1	9995.1
1027	2.350	12.1	10995.3	73.7	6.9	9014.1	9.5	10004.5
1028	2.350	12.1	11007.3	73.7	6.9	9020.9	9.5	10014.0
1029	2.390	9.1	11016.4	73.7	6.9	9027.8	8.0	10022.0
1030	2.370	10.6	11027.0	73.7	6.9	9034.6	8.7	10030.7
1031	2.360	11.3	11038.3	74.6	7.7	9042.3	9.5	10040.2
1032	2.370	10.6	11048.9	73.7	6.9	9049.2	8.7	10048.9
1033	2.390	5.1	11057.9	72.4	5.7	9054.9	7.4	10056.3
1034	2.410	7.6	11065.6	71.9	5.3	9060.2	6.5	10062.7
1035	2.440	5.4	11071.0	70.6	4.2	9064.3	4.8	10067.6
1036	2.400	8.3	11079.3	69.7	3.4	9067.8	5.9	10073.4
1037	2.440	5.4	11084.8	69.7	3.4	9071.2	4.4	10077.9
1038	2.460	4.0	11088.8	69.3	3.1	9074.3	3.6	10081.4
1039	2.460	4.0	11092.8	67.5	1.6	9075.9	2.8	10084.2
1040	2.450	4.7	11097.6	66.6	0.9	9078.7	2.8	10089.7
1041	2.420	6.9	11104.5	68.4	2.3	9079.0	4.6	10091.6
1042	2.400	8.3	11112.8	69.7	3.4	9082.5	5.9	10097.3
1043	2.400	8.3	11121.1	71.9	5.3	9087.8	6.8	10104.3
1044	2.330	19.6	11134.8	74.6	7.7	9095.4	10.6	10115.5
1045	2.320	14.4	11146.1	75.4	8.4	9103.8	11.4	10126.6
1046	2.370	10.6	11159.7	76.3	9.2	9113.0	6.9	10132.2
1047	2.370	10.6	11173.0	75.4	8.4	9121.1	9.5	10144.7
1048	2.400	8.3	11178.6	70.6	4.2	9125.5	6.8	10153.4
1049	2.430	6.2	11184.4	69.3	3.1	9129.9	4.6	10159.4
1050	2.460	4.0	11190.6	66.6	0.9	9134.3	2.8	10166.0
1051	2.440	5.4	11196.4	76.3	9.2	9138.8	7.7	10174.4
1052	2.410	7.6	11201.9	81.2	13.7	9143.3	10.3	10182.0
1053	2.330	19.6	11208.8	83.0	15.5	9147.7	17.3	10190.5
1054	2.320	14.4	11215.7	85.2	17.6	9152.2	25.2	10199.0
1055	2.370	10.6	11222.6	85.6	18.0	9156.6	24.1	10207.5
1056	2.370	10.6	11229.5	85.2	17.6	9161.1	22.7	10216.0
1057	2.370	10.6	11236.4	85.2	17.6	9165.5	22.7	10224.5
1058	2.370	10.6	11243.3	85.2	17.6	9170.0	22.7	10233.0
1059	2.370	10.6	11250.2	85.2	17.6	9174.4	22.7	10241.5
1060	2.370	10.6	11257.1	85.2	17.6	9178.9	22.7	10250.0

K E R O G E N A N A L Y S I S

F O R

T H E C L E V E L A N D C L I F F S I R O N C O M P A N Y - W E L L P - 2

D E P T H	D E N S I T Y L O G			V E L O C I T Y L O G			D E N S I T Y A N D V E L O C I T Y	
	R H C - B	G A L / T O N	A C C U M . Y I E L D	R H C - B	G A L / T O N	A C C U M . Y I E L D	G A L / T O N	A C C U M . Y I E L D
1060	2.180	25.8	11342.5	94.0	26.7	9301.9	26.2	10322.1
1061	2.180	25.8	11368.3	94.9	27.6	9328.5	26.7	10348.8
1062	2.180	24.9	11393.2	93.1	25.7	9355.2	25.3	10374.1
1063	2.350	12.1	11405.3	85.6	18.0	9373.2	15.0	10389.1
1064	2.420	6.9	11412.2	79.9	12.5	9385.7	9.7	10398.8
1065	2.400	8.3	11420.5	76.8	9.6	9395.3	9.0	10407.8
1066	2.370	10.6	11431.1	75.0	8.0	9403.3	9.3	10417.1
1067	2.400	8.3	11439.4	74.6	7.7	9411.0	8.0	10425.1
1068	2.440	5.4	11444.9	74.6	7.7	9418.6	6.6	10431.6
1069	2.470	3.3	11448.2	74.6	7.7	9426.3	5.5	10437.1
1070	2.440	5.4	11453.7	72.4	5.7	9432.0	5.6	10442.7
1071	2.440	5.4	11459.1	72.4	5.7	9437.7	5.6	10448.3
1072	2.440	5.4	11464.5	72.4	5.7	9443.5	5.6	10453.9
1073	2.420	6.9	11471.4	70.6	4.2	9447.6	5.5	10458.4
1074	2.400	8.3	11479.8	70.1	3.8	9451.4	6.1	10465.5
1075	2.400	8.3	11488.1	70.1	3.8	9455.1	6.1	10471.5
1076	2.400	8.3	11496.5	69.7	3.4	9458.6	5.9	10477.4
1077	2.420	6.9	11503.3	69.3	3.1	9461.6	5.0	10482.4
1078	2.420	6.9	11510.2	69.7	3.4	9465.1	5.2	10487.5
1079	2.440	5.4	11515.7	69.7	3.4	9468.5	4.4	10492.0
1080	2.420	6.9	11522.6	69.3	3.1	9471.6	5.0	10496.9
1081	2.400	8.3	11530.9	69.3	3.1	9474.6	5.7	10502.7
1082	2.370	10.6	11541.5	69.3	3.1	9477.7	6.8	10509.5
1083	2.390	9.1	11550.6	69.7	3.4	9481.1	6.3	10515.7
1084	2.440	5.4	11556.0	69.3	3.1	9484.2	4.3	10520.0
1085	2.470	3.3	11559.3	69.3	3.1	9487.3	3.2	10523.2
1086	2.420	6.9	11566.2	69.7	3.4	9490.7	5.2	10528.3
1087	2.400	8.3	11574.6	69.3	3.1	9493.8	5.7	10534.1
1088	2.420	6.9	11581.4	69.3	3.1	9496.9	5.0	10539.0
1089	2.440	5.4	11586.9	70.6	4.2	9501.1	4.8	10543.9
1090	2.400	8.3	11595.2	71.9	5.3	9506.4	6.8	10550.7
1091	2.390	9.1	11604.3	70.6	4.2	9510.5	6.6	10557.3
1092	2.410	7.6	11611.9	71.0	4.5	9515.1	6.1	10563.4
1093	2.380	9.8	11621.7	71.9	5.3	9520.4	7.6	10570.9
1094	2.390	9.1	11630.8	70.6	4.2	9524.5	6.6	10577.6
1095	2.390	9.1	11639.9	71.9	5.3	9529.8	7.2	10584.7
1096	2.370	10.6	11650.5	74.6	7.7	9537.5	9.1	10593.9
1097	2.240	12.8	11663.3	75.0	8.0	9545.5	10.4	10604.3
1098	2.320	14.4	11677.7	74.6	7.7	9553.2	11.0	10615.3
1099	2.290	16.7	11694.4	75.0	8.0	9561.2	12.4	10627.7
1100	2.290	16.7	11711.1	75.0	8.0	9569.2	12.4	10640.0
1101	2.360	11.3	11722.4	77.2	10.0	9579.2	10.7	10650.7
1102	2.380	9.8	11732.3	78.1	10.8	9590.0	10.3	10661.0
1103	2.250	12.1	11744.3	78.5	11.2	9501.2	11.6	10672.6
1104	2.260	12.1	11763.5	83.0	15.5	9616.7	17.3	10688.9
1105	2.310	15.2	11778.6	86.9	19.3	9636.0	17.2	10707.7
1106	2.310	15.2	11790.7	87.4	19.3	9649.3	15.9	10719.9
1107	2.310	15.2	11802.9	87.4	19.3	9662.6	15.9	10732.1
1108	2.310	15.2	11815.1	87.4	19.3	9675.9	15.9	10744.3
1109	2.310	15.2	11827.3	79.0	11.7	9698.7	11.1	10761.2

KEROGEN ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
11110	2.380	9.8	11833.7	76.3	9.2	9707.8	9.5	10770.7
11111	2.390	9.1	11842.8	74.1	7.2	9715.1	8.1	10778.6
11112	2.390	9.1	11851.9	72.8	6.1	9721.1	7.6	10785.4
11113	2.400	9.3	11860.2	71.9	5.3	9726.4	6.8	10793.2
11114	2.440	5.4	11865.7	71.5	4.9	9731.4	5.2	10798.4
11115	2.420	6.9	11872.6	71.0	4.5	9735.9	5.7	10804.1
11116	2.420	6.9	11879.4	72.8	6.1	9742.0	6.5	10812.6
11117	2.410	7.6	11887.1	72.4	5.7	9747.7	6.7	10817.2
11118	2.390	9.1	11896.1	72.4	5.7	9753.4	7.4	10824.6
11119	2.390	9.1	11905.2	72.4	5.7	9759.1	7.4	10832.1
11120	2.420	6.9	11912.1	73.7	6.9	9766.0	6.9	10839.9
11121	2.430	6.2	11918.3	72.4	5.7	9771.7	5.9	10844.4
11122	2.410	7.6	11925.9	61.8	0.0	9771.7	3.8	10846.7
11123	2.410	7.6	11933.5	76.3	9.2	9780.9	8.4	10857.1
11124	2.380	9.8	11943.3	75.8	9.6	9790.5	9.7	10866.8
11125	2.340	12.8	11956.1	78.5	11.2	9801.7	12.0	10878.9
11126	2.290	16.7	11972.9	81.2	13.7	9815.4	15.2	10894.0
11127	2.280	17.5	11990.4	83.0	15.5	9830.9	16.5	10910.5
11128	2.320	14.4	12004.8	83.0	15.5	9846.4	14.9	10925.4
11129	2.340	12.8	12017.6	85.2	17.6	9864.0	15.2	10940.7
11130	2.300	15.9	12033.5	85.2	17.6	9881.6	16.8	10957.4
11131	2.310	15.2	12048.7	81.2	13.7	9895.3	14.4	10971.9
11132	2.340	12.8	12061.5	83.4	15.8	9911.1	14.3	10986.2
11133	2.320	14.4	12075.9	83.8	16.2	9927.4	15.3	11001.5
11134	2.280	17.5	12093.4	83.0	15.5	9942.8	16.5	11018.0
11135	2.230	21.6	12115.0	80.3	12.9	9955.7	17.2	11035.2
11136	2.250	19.9	12134.9	80.7	13.3	9968.9	16.6	11051.8
11137	2.350	12.1	12147.0	80.7	13.3	9982.2	12.7	11064.9
11138	2.370	10.6	12157.6	76.8	9.6	9991.8	10.1	11074.6
11139	2.300	15.9	12173.5	75.4	9.4	10000.2	12.2	11096.1
11140	2.270	10.6	12184.1	72.8	6.1	10006.3	8.3	11099.1
11141	2.400	8.3	12192.4	69.7	3.4	10009.7	5.9	11100.9
11142	2.420	6.9	12199.3	69.3	3.1	10012.8	5.0	11105.9
11143	2.440	5.4	12204.7	69.3	3.1	10015.9	4.3	11110.2
11144	2.450	4.7	12209.5	69.3	3.1	10018.9	3.9	11114.1
11145	2.450	4.7	12214.2	69.3	3.1	10022.0	3.9	11118.0
11146	2.450	4.7	12216.9	65.7	0.1	10022.2	2.4	11122.0
11147	2.420	6.9	12225.8	74.6	7.7	10029.8	7.3	11130.0
11148	2.440	5.4	12231.3	73.7	6.9	10036.7	6.2	11134.0
11149	2.440	5.4	12234.7	67.9	1.9	10038.6	3.7	11139.0
11150	2.440	5.4	12235.2	69.3	3.1	10041.7	4.2	11143.0
11151	2.440	5.4	12247.6	71.9	5.3	10047.0	5.4	11149.0
11152	2.400	4.0	12251.6	71.9	5.3	10052.3	4.7	11154.0
11153	2.440	5.4	12257.1	71.9	5.3	10057.5	5.4	11159.0
11154	2.420	6.9	12264.0	72.6	7.7	10063.2	7.3	11164.0
11155	2.450	4.7	12270.7	73.7	6.9	10070.0	7.3	11169.0
11156	2.450	4.7	12275.4	73.7	6.9	10075.0	7.3	11174.0
11157	2.450	4.7	12280.1	73.7	6.9	10080.0	7.3	11179.0
11158	2.450	4.7	12284.8	73.7	6.9	10085.0	7.3	11184.0
11159	2.450	4.7	12289.5	73.7	6.9	10090.0	7.3	11189.0

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY--WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
1160	2.480	2.6	12298.2	68.4	2.3	10093.0	2.5	11195.5
1161	2.470	3.3	12301.6	69.3	3.1	10096.1	3.2	11198.7
1162	2.460	4.0	12305.6	69.7	3.4	10099.5	3.7	11202.4
1163	2.400	8.3	12313.9	70.1	3.8	10103.3	6.1	11208.5
1164	2.440	5.4	12319.4	71.0	4.5	10107.8	5.0	11213.5
1165	2.470	3.2	12322.7	70.6	4.2	10112.0	3.8	11217.2
1166	2.450	4.7	12327.4	67.9	1.9	10113.9	3.3	11220.6
1167	2.470	3.2	12330.8	67.5	1.6	10115.5	2.5	11223.0
1168	2.480	2.6	12333.4	66.2	0.5	10116.0	1.6	11224.6
1169	2.480	2.6	12336.0	65.3	0.0	10116.0	1.3	11225.9
1170	2.460	4.0	12340.0	65.7	0.1	10116.2	2.1	11228.0
1171	2.480	2.6	12342.7	67.5	1.6	10117.7	2.1	11230.1
1172	2.490	1.9	12344.6	69.7	3.4	10121.2	2.7	11232.8
1173	2.490	1.9	12346.5	71.0	4.5	10125.7	3.2	11236.0
1174	2.480	2.6	12349.2	72.8	6.1	10131.8	4.4	11240.3
1175	2.470	3.3	12352.5	72.8	6.1	10137.8	4.7	11245.0
1176	2.400	8.3	12360.8	70.1	3.8	10141.6	6.1	11251.1
1177	2.460	4.0	12364.9	70.6	4.2	10145.8	4.1	11255.2
1178	2.530	0.0	12364.9	69.3	3.1	10148.8	1.5	11256.7
1179	2.510	0.6	12365.4	67.9	1.9	10150.8	1.2	11258.0
1180	2.480	2.6	12368.0	67.9	1.9	10152.7	2.3	11260.2
1181	2.480	2.6	12370.7	70.1	3.8	10156.4	2.2	11263.4
1182	2.480	2.6	12373.3	70.6	4.2	10160.6	3.4	11266.8
1183	2.460	4.0	12377.3	69.7	3.4	10164.0	3.7	11270.5
1184	2.400	8.3	12385.7	69.7	3.4	10167.4	5.9	11276.4
1185	2.400	8.3	12394.0	69.7	3.4	10170.9	5.9	11282.3
1186	2.470	3.3	12397.3	67.9	1.9	10172.8	2.6	11284.9
1187	2.490	1.9	12399.3	68.4	2.3	10175.1	2.1	11287.1
1188	2.510	0.6	12399.8	71.9	5.3	10180.4	2.9	11290.0
1189	2.450	4.7	12404.5	71.9	5.3	10185.7	5.0	11295.0
1190	2.460	4.0	12408.6	70.6	4.2	10189.9	4.1	11299.1
1191	2.440	5.4	12414.0	71.0	4.5	10194.4	5.0	11304.1
1192	2.450	4.7	12418.7	71.9	5.3	10199.7	5.0	11309.1
1193	2.470	3.3	12422.1	70.6	4.2	10203.9	3.8	11312.8
1194	2.460	4.0	12426.1	70.1	3.8	10207.6	3.9	11316.7
1195	2.460	4.0	12430.1	69.7	3.4	10211.0	3.7	11320.5
1196	2.460	4.0	12434.2	67.9	1.9	10213.0	3.0	11323.4
1197	2.510	0.6	12434.7	67.5	1.6	10214.6	1.1	11324.5
1198	2.540	0.0	12434.7	69.3	3.1	10217.6	1.5	11326.0
1199	2.480	2.6	12437.3	69.3	3.1	10220.7	2.9	11329.9
1200	2.510	0.6	12437.9	69.7	3.4	10224.1	2.0	11330.9
1201	2.490	1.9	12439.8	69.7	3.4	10227.6	2.7	11333.6
1202	2.420	6.9	12446.7	69.7	3.4	10231.0	5.2	11338.7
1203	2.370	10.6	12457.3	69.7	3.4	10234.4	7.0	11345.7
1204	2.270	18.3	12475.6	69.3	3.1	10237.5	10.7	11358.4
1205	2.290	15.7	12492.3	70.1	3.3	10241.2	10.2	11366.6
1206	2.390	5.1	12501.8	75.3	9.2	10250.4	9.1	11379.9
1207	2.440	5.3	12508.8	75.3	9.2	10255.8	7.1	11390.0
1208	2.490	6.2	12519.9	75.3	9.2	10258.5	9.1	11400.1
1209	2.320	14.4	12529.6	76.3	9.6	10276.8	12.0	11425.1

PERFORM ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-R	GAL/TON	ACCUM. YIELD	RHO-R	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
1210	2.400	8.3	12557.9	74.6	7.7	10255.5	8.0	11412.1
1211	2.400	8.3	12557.9	70.6	4.2	10290.7	6.3	11413.3
1212	2.410	7.8	12558.2	69.3	3.1	10293.8	5.3	11420.7
1213	2.420	6.9	12560.7	68.4	2.3	10295.1	4.6	11422.3
1214	2.440	5.4	12566.2	68.4	2.3	10295.1	3.9	11433.2
1215	2.470	3.3	12569.5	70.6	4.2	10302.6	3.8	11433.2
1216	2.480	2.6	12572.1	71.0	4.5	10307.1	3.6	11433.2
1217	2.450	4.7	12576.3	69.7	3.4	10310.5	4.1	11444.9
1218	2.420	6.9	12583.8	70.6	4.2	10314.7	5.5	11444.9
1219	2.470	3.3	12587.1	70.6	4.2	10318.9	3.8	11455.5
1220	2.490	1.9	12589.0	69.7	3.4	10322.3	2.7	11455.5
1221	2.490	1.9	12590.9	67.5	1.6	10323.9	1.8	11455.5
1222	2.470	3.3	12594.3	67.9	1.9	10325.8	2.6	11455.5
1223	2.490	1.9	12596.2	71.9	5.3	10331.1	3.6	11466.9
1224	2.460	4.0	12600.2	75.0	8.0	10339.1	6.0	11466.9
1225	2.460	4.0	12604.2	76.8	9.6	10348.8	6.8	11477.5
1226	2.400	8.3	12612.6	78.1	10.8	10359.6	9.6	11488.6
1227	2.320	14.4	12627.0	78.1	10.8	10370.4	12.6	11498.6
1228	2.340	12.8	12639.8	82.5	15.0	10385.4	13.9	11512.5
1229	2.360	9.1	12648.9	89.1	21.5	10406.9	15.3	11527.8
1230	2.280	17.5	12666.4	89.6	22.0	10429.0	19.8	11547.5
1231	2.210	23.2	12689.6	88.3	20.7	10449.7	22.0	11569.5
1232	2.320	14.4	12704.0	88.7	21.1	10470.8	22.8	11587.3
1233	2.410	7.6	12711.6	87.4	19.3	10490.6	13.7	11601.0
1234	2.400	8.3	12720.0	76.8	9.6	10500.2	9.0	11610.0
1235	2.410	7.6	12727.6	71.9	5.3	10505.5	6.5	11616.4
1236	2.410	7.6	12735.2	73.7	6.9	10512.4	7.2	11623.7
1237	2.420	6.9	12742.1	79.4	12.0	10524.4	9.5	11633.1
1238	2.310	15.2	12757.2	83.4	15.8	10540.3	15.5	11643.6
1239	2.190	24.9	12782.1	83.8	16.2	10556.5	20.6	11669.2
1240	2.310	15.2	12797.3	85.6	18.0	10574.5	16.6	11685.8
1241	2.400	8.3	12805.6	89.6	22.0	10596.5	15.2	11701.0
1242	2.250	19.9	12825.6	92.2	24.8	10621.3	22.3	11723.3
1243	2.170	26.6	12852.2	90.5	23.0	10644.3	24.8	11742.1
1244	2.160	27.5	12867.7	88.3	20.7	10665.0	24.1	11772.2
1245	2.260	11.1	12886.8	89.5	22.0	10687.0	20.6	11792.8
1246	2.300	15.9	12901.4	89.5	22.0	10709.1	19.0	11814.2
1247	2.340	10.0	12927.6	85.2	17.6	10726.7	15.2	11837.7
1248	2.370	7.5	12938.2	80.7	13.3	10739.9	11.9	11859.9
1249	2.310	13.0	12953.3	78.1	10.8	10750.7	13.0	11883.6
1250	2.310	13.0	12953.3	78.1	10.8	10761.6	13.0	11907.9
1251	2.340	10.0	12968.1	78.1	10.8	10772.4	11.6	11932.7
1252	2.350	9.4	12983.4	79.4	12.0	10784.4	12.1	11957.9
1253	2.360	8.2	12999.2	78.1	10.8	10785.3	10.3	11983.1
1254	2.350	9.4	13014.6	78.1	10.8	10800.1	11.5	12008.3
1255	2.340	10.0	13029.1	83.4	15.8	10821.9	14.3	12033.6
1256	2.340	10.0	13044.1	83.4	15.8	10842.8	15.5	12059.0
1257	2.340	10.0	13059.1	83.4	15.8	10863.7	16.7	12084.4
1258	2.340	10.0	13074.1	83.4	15.8	10884.6	17.9	12109.8
1259	2.340	10.0	13089.1	83.4	15.8	10905.5	19.1	12135.2

K E R O G E N A N A L Y S I S

F C R

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-2

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHC-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
1260	2.370	10.6	13093.9	79.9	12.5	10897.0	11.5	11995.3
1261	2.370	10.6	13104.4	78.1	10.8	10907.8	10.7	12006.0
1262	2.370	10.6	13115.0	76.3	9.2	10917.0	9.9	12015.8
1263	2.380	9.8	13124.8	76.8	9.6	10926.6	9.7	12025.6
1264	2.370	10.6	13135.4	76.8	9.6	10936.2	10.1	12035.7
1265	2.350	12.1	13147.5	79.0	11.7	10947.9	11.9	12047.5
1266	2.290	16.7	13164.2	82.5	15.0	10962.9	15.8	12063.4
1267	2.270	18.3	13182.5	86.9	19.3	10982.2	18.8	12082.2
1268	2.230	21.6	13204.1	89.6	22.0	11004.2	21.8	12104.0
1269	2.180	25.8	13229.8	92.2	24.8	11028.9	25.3	12129.3
1270	2.210	23.2	13253.1	92.2	24.8	11053.7	24.0	12153.3
1271	2.250	19.9	13273.0	91.3	23.8	11077.5	21.9	12175.1
1272	2.300	15.9	13288.9	90.0	22.5	11100.0	19.2	12194.3
1273	2.310	15.2	13304.1	86.9	19.3	11119.3	17.2	12211.6
1274	2.310	15.2	13319.2	85.2	17.6	11136.9	16.4	12227.9
1275	2.320	14.4	13333.6	83.8	16.2	11153.1	15.3	12243.2
1276	2.310	15.2	13348.8	85.2	17.6	11170.7	16.4	12259.6
1277	2.310	15.2	13363.9	86.9	19.3	11190.0	17.2	12276.8
1278	2.280	17.5	13381.4	82.5	15.0	11205.0	16.2	12293.1
1279	2.290	16.7	13398.2	85.2	17.6	11222.6	17.2	12310.3
1280	2.250	19.9	13418.1	85.2	17.6	11240.2	18.8	12329.0
1281	2.230	21.6	13439.7	87.4	19.8	11260.0	20.7	12349.7
1282	2.150	28.4	13468.0	90.0	22.5	11282.4	25.4	12375.1
1283	2.070	35.6	13503.6	95.8	28.6	11311.0	32.1	12407.2