

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 X - 6

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
350	2.265	18.7	18.7	64.5	0.0	0.0	9.4	9.4
351	2.490	1.9	20.7	62.3	0.0	0.0	1.0	10.3
352	2.570	0.0	20.7	62.8	0.0	0.0	0.0	10.3
353	2.575	0.0	20.7	61.0	0.0	0.0	0.0	10.3
354	2.560	0.0	20.7	63.2	0.0	0.0	0.0	10.3
355	2.550	0.0	20.7	62.8	0.0	0.0	0.0	10.3
356	2.550	0.0	20.7	65.0	0.0	0.0	0.0	10.3
357	2.570	0.0	20.7	65.9	0.3	0.3	0.1	10.5
358	2.540	0.0	20.7	66.2	0.5	0.8	0.3	10.7
359	2.585	0.0	20.7	71.0	4.5	5.3	2.3	13.0
360	2.605	0.0	20.7	66.7	0.9	6.3	0.5	13.5
361	2.580	0.0	20.7	62.3	0.0	6.3	0.0	13.5
362	2.565	0.0	20.7	62.7	0.0	6.3	0.0	13.5
363	2.525	0.0	20.7	66.6	0.9	7.1	0.4	13.9
364	2.465	3.7	24.3	69.6	3.3	10.5	3.5	17.4
365	2.365	10.9	35.3	69.6	3.3	13.8	7.1	24.5
366	2.320	14.4	49.7	66.1	0.5	14.3	7.4	32.0
367	2.370	10.6	60.2	68.1	2.1	16.3	6.3	38.3
368	2.265	18.7	78.9	70.8	4.4	20.7	11.5	49.8
369	2.180	25.8	104.7	75.2	8.2	28.9	17.0	66.8
370	2.125	30.6	135.3	80.7	13.3	42.1	21.9	88.7
371	2.110	31.9	167.2	80.3	12.9	55.0	22.4	111.1
372	2.150	28.4	195.6	76.3	9.2	64.2	18.8	129.9
373	2.115	31.5	227.1	79.4	12.0	76.2	21.8	151.6
374	2.085	34.2	261.3	83.0	15.5	91.7	24.8	176.5
375	2.225	22.0	283.3	78.0	10.7	102.4	16.4	192.8
376	2.250	19.9	303.2	76.4	9.3	111.7	14.6	207.4
377	2.425	6.5	309.7	78.8	11.5	123.2	9.0	216.4
378	2.495	1.6	311.3	75.2	8.2	131.4	4.9	221.3
379	2.500	1.2	312.5	70.5	4.1	135.5	2.7	224.0
380	2.480	2.6	315.2	68.8	2.7	138.1	2.6	226.6
381	2.480	2.6	317.8	67.5	1.6	139.7	2.1	228.8
382	2.480	2.6	320.4	64.9	0.0	139.7	1.3	230.1
383	2.490	1.9	322.4	65.4	0.0	139.7	1.0	231.0
384	2.480	2.6	325.0	68.9	2.7	142.5	2.7	233.7
385	2.470	3.3	328.3	68.9	2.7	145.2	3.0	236.8
386	2.455	4.4	332.7	68.0	2.0	147.2	3.2	240.0
387	2.435	5.8	338.5	68.5	2.4	149.6	4.1	244.1
388	2.450	4.7	343.2	68.9	2.7	152.4	3.7	247.8
389	2.520	0.0	343.2	68.5	2.4	154.8	1.2	249.0
390	2.525	0.0	343.2	66.3	0.6	155.4	0.3	249.3
391	2.515	0.2	343.5	67.2	1.3	156.8	0.8	250.1
392	2.515	0.2	343.7	67.2	1.3	158.1	0.8	250.9
393	2.485	2.3	345.9	67.2	1.3	159.4	1.8	252.7
394	2.485	2.3	348.2	67.2	1.3	160.8	1.8	254.5
395	2.490	1.9	350.2	67.6	1.7	162.5	1.8	256.3
396	2.515	0.2	350.4	68.0	2.0	164.5	1.1	257.4
397	2.515	0.2	350.6	68.5	2.4	166.9	1.3	258.7
398	2.515	0.2	350.8	68.5	2.4	169.3	1.3	260.0
399	2.510	2.0	354.0	70.2	3.8	173.1	3.2	263.2

PROGEN ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
400	2.475	3.0	357.8	72.4	5.7	178.9	4.4	260.3
401	2.460	4.0	361.8	72.0	5.4	184.2	4.7	273.0
402	2.455	4.4	366.2	71.1	4.6	188.8	4.5	277.5
403	2.475	3.0	369.2	68.9	2.7	191.6	2.9	280.4
404	2.535	0.0	369.2	68.9	2.7	194.3	1.4	281.8
405	2.535	0.0	369.2	66.3	0.6	195.0	0.3	282.1
406	2.535	0.0	369.2	65.4	0.0	195.0	0.0	282.1
407	2.530	0.0	369.2	65.4	0.0	195.0	0.0	282.1
408	2.525	0.0	369.2	65.8	0.2	195.2	0.1	282.2
409	2.525	0.0	369.2	66.2	0.5	195.7	0.3	282.4
410	2.520	0.0	369.2	66.2	0.5	196.2	0.3	282.7
411	2.540	0.0	369.2	66.2	0.5	196.8	0.3	283.0
412	2.535	0.0	369.2	66.2	0.5	197.3	0.3	283.2
413	2.535	0.0	369.2	66.7	0.9	198.2	0.5	283.7
414	2.525	0.0	369.2	67.1	1.3	199.5	0.6	285.3
415	2.510	0.6	369.7	67.1	1.3	200.8	0.9	285.2
416	2.500	1.2	371.0	66.7	0.9	201.7	1.1	285.3
417	2.490	1.9	372.9	67.1	1.3	203.0	1.6	287.9
418	2.480	2.6	375.5	70.2	3.8	206.8	3.2	291.2
419	2.460	4.0	379.6	73.2	6.4	213.2	5.2	295.4
420	2.455	4.4	383.9	73.6	6.8	220.0	5.6	302.0
421	2.405	8.0	391.9	73.6	6.8	226.8	7.4	307.3
422	2.445	5.1	397.0	74.1	7.2	234.0	6.2	315.5
423	2.490	1.9	398.9	71.0	4.5	238.5	3.2	319.7
424	2.495	1.6	400.5	71.5	4.9	243.5	3.3	322.0
425	2.475	3.0	403.5	74.5	7.6	251.0	5.3	327.3
426	2.460	4.0	407.5	74.1	7.2	258.2	5.6	332.9
427	2.450	4.7	412.3	71.9	5.3	263.5	5.0	337.9
428	2.415	7.3	419.5	70.6	4.2	267.7	5.7	343.6
429	2.450	4.7	424.3	70.2	3.8	271.6	4.3	347.9
430	2.515	0.2	424.5	66.2	0.5	272.1	0.4	348.3
431	2.515	0.2	424.7	65.4	0.0	272.1	0.1	348.3
432	2.510	0.6	425.3	67.6	1.7	273.8	1.1	349.5
433	2.520	0.0	425.3	66.2	0.5	274.3	0.3	349.8
434	2.505	0.9	426.2	67.1	1.3	275.6	1.1	350.9
435	2.505	0.9	427.1	67.6	1.7	277.2	1.3	352.1
436	2.510	0.6	427.6	66.7	0.9	278.2	0.7	352.9
437	2.525	0.0	427.6	67.1	1.3	279.4	0.6	353.5
438	2.530	0.0	427.6	67.6	1.7	281.1	0.8	354.4
439	2.520	0.0	427.6	67.1	1.3	282.4	0.6	355.0
440	2.510	0.6	428.2	67.1	1.3	283.6	0.9	355.9
441	2.460	2.3	433.4	70.2	3.8	287.5	3.1	360.0
442	2.460	2.6	433.1	65.3	3.1	290.6	2.9	362.9
443	2.460	2.7	433.8	65.3	3.1	293.6	3.4	366.3
444	2.460	2.4	437.2	69.7	3.4	297.1	4.4	370.7
445	2.460	2.0	437.1	68.9	2.7	299.8	1.8	372.5
446	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
447	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
448	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
449	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
450	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
451	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
452	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
453	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
454	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
455	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
456	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
457	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
458	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
459	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
460	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
461	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
462	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
463	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
464	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
465	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
466	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
467	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
468	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
469	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
470	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
471	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
472	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
473	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
474	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
475	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
476	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
477	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
478	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
479	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
480	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
481	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
482	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
483	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
484	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
485	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
486	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
487	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
488	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
489	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
490	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
491	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
492	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
493	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
494	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
495	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
496	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
497	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
498	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
499	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8
500	2.460	2.0	437.1	67.1	1.3	301.1	0.3	372.8

K E R O G I T A T I O N S

FOR

THE CLEVELAND CLIFFS IRON COMPANY-CELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCU. YIELD	RHO-B	GAL/TON	ACCU. YIELD	GAL/TON	ACCU. YIELD
450	2.455	4.4	453.3	72.8	6.1	311.5	5.2	382.4
451	2.445	5.1	458.4	71.5	4.9	316.5	5.0	387.4
452	2.405	8.0	466.4	73.6	6.8	323.2	7.4	394.8
453	2.410	7.6	474.0	73.2	6.4	329.7	7.0	401.8
454	2.450	4.7	478.7	76.8	9.6	339.3	7.2	409.0
455	2.455	4.4	483.1	76.8	9.6	348.9	7.0	416.0
456	2.430	6.2	489.3	74.6	7.7	356.6	6.9	422.9
457	2.395	8.7	498.0	73.3	6.5	363.1	7.6	430.5
458	2.345	12.5	510.4	76.3	9.2	372.3	10.8	441.4
459	2.435	5.8	516.3	73.3	6.5	378.8	6.2	447.5
460	2.500	1.2	517.5	67.7	1.8	380.6	1.5	449.0
461	2.495	1.6	519.1	68.2	2.2	382.7	1.9	451.9
462	2.480	2.6	521.7	71.1	4.6	387.3	3.6	457.5
463	2.465	3.7	525.4	72.0	5.4	392.7	4.5	465.0
464	2.430	6.2	531.6	72.8	6.1	398.8	6.1	475.2
465	2.400	8.3	539.9	72.8	6.1	404.9	7.2	477.4
466	2.435	5.8	545.7	72.8	6.1	410.9	5.9	478.3
467	2.455	4.4	550.1	75.8	8.7	419.7	6.6	484.9
468	2.435	5.8	555.9	78.0	10.7	430.4	8.3	493.1
469	2.410	7.6	563.5	76.3	9.2	439.6	8.4	501.5
470	2.395	8.7	572.2	74.5	7.6	447.1	8.1	506.7
471	2.380	9.8	582.0	75.3	8.3	455.4	9.1	518.7
472	2.450	4.7	586.8	73.2	6.4	461.8	5.6	524.3
473	2.470	3.3	590.1	68.4	2.3	464.2	2.8	527.1
474	2.465	3.7	593.8	68.4	2.3	466.5	3.0	530.1
475	2.430	6.2	599.9	70.2	3.8	470.4	5.0	535.1
476	2.420	6.9	606.8	74.1	7.2	477.6	7.1	542.2
477	2.390	9.1	615.9	75.4	8.4	485.9	8.7	550.9
478	2.375	10.2	626.1	75.0	8.0	494.0	9.1	560.0
479	2.380	9.8	635.9	75.8	8.7	502.7	9.3	569.3
480	2.405	8.0	643.9	74.1	7.2	509.9	7.6	576.9
481	2.415	7.3	651.2	69.7	3.4	513.3	5.3	582.2
482	2.420	6.9	658.0	68.4	2.3	515.7	4.6	586.8
483	2.435	5.8	663.9	68.4	2.3	518.0	4.1	590.9
484	2.445	5.1	668.9	68.0	2.0	520.0	3.5	595.5
485	2.425	6.5	675.5	68.9	2.7	522.7	4.6	598.1
486	2.395	8.7	684.2	70.7	4.3	527.0	6.5	604.6
487	2.385	9.5	693.6	72.8	6.1	533.1	7.8	611.3
488	2.390	9.1	702.7	74.6	7.7	540.7	8.4	618.7
489	2.410	7.6	710.3	76.4	9.3	550.0	8.4	625.2
490	2.405	8.0	718.3	80.4	13.0	563.0	10.5	632.7
491	2.400	8.3	727.7	81.3	13.8	576.9	11.1	640.7
492	2.400	8.3	735.0	80.4	13.0	589.8	10.7	648.4
493	2.410	7.6	742.6	78.7	11.4	601.2	9.5	656.1
494	2.410	7.6	750.2	77.8	10.6	611.7	9.1	663.8
495	2.410	7.6	757.7	76.7	11.4	623.1	10.4	671.5
496	2.410	7.6	765.2	75.5	12.2	634.5	11.2	679.2
497	2.410	7.6	772.7	74.4	13.0	645.9	12.0	686.9
498	2.410	7.6	780.2	73.3	13.8	657.3	12.8	694.6
499	2.410	7.6	787.7	72.2	14.6	668.7	13.6	702.3

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 X - 6

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
500	2.310	15.2	823.2	92.7	25.3	718.3	20.2	770.8
501	2.285	17.1	840.3	94.9	27.6	746.0	22.4	793.1
502	2.315	14.8	855.1	95.9	28.7	774.7	21.7	814.9
503	2.340	12.8	867.9	92.4	25.0	799.6	18.9	833.8
504	2.375	10.2	878.1	88.9	21.3	821.0	15.8	849.5
505	2.435	5.8	883.9	85.8	18.2	839.2	12.0	861.5
506	2.490	1.9	885.8	83.3	15.7	854.9	8.8	870.4
507	2.525	0.0	885.8	79.8	12.4	867.3	6.2	876.6
508	2.535	0.0	885.8	78.4	11.1	878.4	5.6	882.1
509	2.550	0.0	885.8	77.7	10.5	888.9	5.2	887.4
510	2.525	0.0	885.8	76.8	9.6	898.5	4.8	892.2
511	2.585	0.0	885.8	81.7	14.2	912.7	7.1	899.3
512	2.555	0.0	885.8	83.5	15.9	928.7	8.0	907.2
513	2.510	0.6	886.4	82.9	15.4	944.0	8.0	915.2
514	2.445	5.1	891.5	83.5	15.9	960.0	10.5	925.7
515	2.435	5.8	897.3	84.3	16.7	976.7	11.3	937.0
516	2.530	0.0	897.3	82.2	14.7	991.4	7.3	944.3
517	2.560	0.0	897.3	78.4	11.1	1002.5	5.6	949.9
518	2.585	0.0	897.3	78.4	11.1	1013.6	5.6	955.4
519	2.580	0.0	897.3	77.4	10.2	1023.8	5.1	960.5
520	2.555	0.0	897.3	77.0	9.8	1033.6	4.9	965.4
521	2.555	0.0	897.3	80.5	13.1	1046.7	6.5	972.0
522	2.590	0.0	897.3	81.3	13.8	1060.5	6.9	978.9
523	2.590	0.0	897.3	78.7	11.4	1071.9	5.7	984.6
524	2.570	0.0	897.3	80.8	13.3	1085.2	6.7	991.2
525	2.560	0.0	897.3	83.4	15.8	1101.1	7.9	999.2
526	2.570	0.0	897.3	83.4	15.8	1116.9	7.9	1007.1
527	2.520	0.0	897.3	81.6	14.1	1131.0	7.1	1014.1
528	2.465	3.7	901.0	82.9	15.4	1146.4	9.5	1023.7
529	2.505	0.9	901.9	84.2	16.6	1163.0	8.8	1032.4
530	2.570	0.0	901.9	79.9	12.5	1175.5	6.3	1038.7
531	2.565	0.0	901.9	79.5	12.1	1187.6	6.1	1044.7
532	2.575	0.0	901.9	83.7	16.1	1203.8	8.1	1052.8
533	2.565	0.0	901.9	83.7	16.1	1219.9	8.1	1060.9
534	2.540	0.0	901.9	82.4	14.9	1234.8	7.4	1068.3
535	2.510	0.6	902.4	82.0	14.5	1249.3	7.5	1075.8
536	2.490	4.7	907.2	82.0	14.5	1263.8	9.6	1085.5
537	2.520	0.0	907.2	80.3	12.9	1276.6	6.4	1091.9
538	2.550	0.0	907.2	77.7	10.5	1287.1	5.2	1097.1
539	2.540	0.0	907.2	82.0	14.5	1301.6	7.2	1104.4
540	2.510	0.0	907.7	82.9	15.4	1316.9	8.0	1112.3
541	2.485	3.7	911.4	84.6	17.0	1334.0	10.3	1122.7
542	2.410	7.6	919.0	85.5	17.9	1351.9	12.8	1135.4
543	2.405	8.8	924.8	85.9	18.3	1370.2	12.1	1147.5
544	2.395	9.7	925.7	84.2	16.6	1386.0	8.8	1156.3
545	2.395	9.7	926.2	85.9	18.3	1405.1	9.4	1165.7
546	2.395	9.7	926.2	81.1	14.6	1421.7	12.5	1178.2
547	2.395	9.7	926.2	81.7	14.7	1436.4	12.5	1190.7
548	2.395	9.7	926.2	81.2	14.6	1451.0	12.5	1203.2
549	2.395	9.7	926.2	81.2	14.6	1465.6	12.5	1215.7
550	2.395	9.7	926.2	81.2	14.6	1480.2	12.5	1228.2
551	2.395	9.7	926.2	81.2	14.6	1494.8	12.5	1240.7
552	2.395	9.7	926.2	81.2	14.6	1509.4	12.5	1253.2
553	2.395	9.7	926.2	81.2	14.6	1524.0	12.5	1265.7
554	2.395	9.7	926.2	81.2	14.6	1538.6	12.5	1278.2
555	2.395	9.7	926.2	81.2	14.6	1553.2	12.5	1290.7
556	2.395	9.7	926.2	81.2	14.6	1567.8	12.5	1303.2
557	2.395	9.7	926.2	81.2	14.6	1582.4	12.5	1315.7
558	2.395	9.7	926.2	81.2	14.6	1597.0	12.5	1328.2
559	2.395	9.7	926.2	81.2	14.6	1611.6	12.5	1340.7
560	2.395	9.7	926.2	81.2	14.6	1626.2	12.5	1353.2
561	2.395	9.7	926.2	81.2	14.6	1640.8	12.5	1365.7
562	2.395	9.7	926.2	81.2	14.6	1655.4	12.5	1378.2
563	2.395	9.7	926.2	81.2	14.6	1670.0	12.5	1390.7
564	2.395	9.7	926.2	81.2	14.6	1684.6	12.5	1403.2
565	2.395	9.7	926.2	81.2	14.6	1699.2	12.5	1415.7
566	2.395	9.7	926.2	81.2	14.6	1713.8	12.5	1428.2
567	2.395	9.7	926.2	81.2	14.6	1728.4	12.5	1440.7
568	2.395	9.7	926.2	81.2	14.6	1743.0	12.5	1453.2
569	2.395	9.7	926.2	81.2	14.6	1757.6	12.5	1465.7
570	2.395	9.7	926.2	81.2	14.6	1772.2	12.5	1478.2
571	2.395	9.7	926.2	81.2	14.6	1786.8	12.5	1490.7
572	2.395	9.7	926.2	81.2	14.6	1801.4	12.5	1503.2
573	2.395	9.7	926.2	81.2	14.6	1816.0	12.5	1515.7
574	2.395	9.7	926.2	81.2	14.6	1830.6	12.5	1528.2
575	2.395	9.7	926.2	81.2	14.6	1845.2	12.5	1540.7
576	2.395	9.7	926.2	81.2	14.6	1859.8	12.5	1553.2
577	2.395	9.7	926.2	81.2	14.6	1874.4	12.5	1565.7
578	2.395	9.7	926.2	81.2	14.6	1889.0	12.5	1578.2
579	2.395	9.7	926.2	81.2	14.6	1903.6	12.5	1590.7
580	2.395	9.7	926.2	81.2	14.6	1918.2	12.5	1603.2
581	2.395	9.7	926.2	81.2	14.6	1932.8	12.5	1615.7
582	2.395	9.7	926.2	81.2	14.6	1947.4	12.5	1628.2
583	2.395	9.7	926.2	81.2	14.6	1962.0	12.5	1640.7
584	2.395	9.7	926.2	81.2	14.6	1976.6	12.5	1653.2
585	2.395	9.7	926.2	81.2	14.6	1991.2	12.5	1665.7
586	2.395	9.7	926.2	81.2	14.6	2005.8	12.5	1678.2
587	2.395	9.7	926.2	81.2	14.6	2020.4	12.5	1690.7
588	2.395	9.7	926.2	81.2	14.6	2035.0	12.5	1703.2
589	2.395	9.7	926.2	81.2	14.6	2049.6	12.5	1715.7
590	2.395	9.7	926.2	81.2	14.6	2064.2	12.5	1728.2
591	2.395	9.7	926.2	81.2	14.6	2078.8	12.5	1740.7
592	2.395	9.7	926.2	81.2	14.6	2093.4	12.5	1753.2
593	2.395	9.7	926.2	81.2	14.6	2108.0	12.5	1765.7
594	2.395	9.7	926.2	81.2	14.6	2122.6	12.5	1778.2
595	2.395	9.7	926.2	81.2	14.6	2137.2	12.5	1790.7
596	2.395	9.7	926.2	81.2	14.6	2151.8	12.5	1803.2
597	2.395	9.7	926.2	81.2	14.6	2166.4	12.5	1815.7
598	2.395	9.7	926.2	81.2	14.6	2181.0	12.5	1828.2
599	2.395	9.7	926.2	81.2	14.6	2195.6	12.5	1840.7
600	2.395	9.7	926.2	81.2	14.6	2210.2	12.5	1853.2

NEUTRON ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-LELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
550	2.445	5.1	962.4	77.7	10.5	1496.0	7.8	1229.2
551	2.550	0.0	962.4	73.4	6.6	1502.6	3.3	1232.5
552	2.575	0.0	962.4	70.9	4.4	1507.0	2.2	1234.7
553	2.580	0.0	962.4	73.4	6.6	1513.6	3.3	1238.0
554	2.560	0.0	962.4	73.1	6.3	1519.9	3.2	1241.1
555	2.545	0.0	962.4	73.9	7.0	1527.0	3.5	1244.7
556	2.520	0.0	962.4	74.4	7.5	1534.5	3.7	1248.4
557	2.500	1.2	963.6	75.7	8.6	1543.1	4.9	1253.3
558	2.490	1.9	965.5	78.3	11.0	1554.1	6.5	1259.8
559	2.500	1.2	966.8	84.4	16.8	1570.9	9.0	1268.8
560	2.460	4.0	970.8	83.5	15.9	1586.9	10.0	1278.8
561	2.420	6.9	977.7	85.3	17.7	1604.6	12.3	1291.1
562	2.380	9.8	987.5	84.8	17.2	1621.8	13.5	1304.6
563	2.470	3.3	990.9	81.8	14.3	1636.1	8.8	1313.5
564	2.560	0.0	990.9	76.2	9.1	1645.2	4.5	1318.0
565	2.580	0.0	990.9	78.4	11.1	1656.3	5.6	1323.6
566	2.585	0.0	990.9	79.2	11.8	1668.1	5.9	1329.5
567	2.530	0.0	990.9	78.7	11.4	1679.5	5.7	1335.2
568	2.490	1.9	992.8	78.7	11.4	1690.9	6.7	1341.8
569	2.460	4.0	996.8	79.2	11.8	1702.7	7.9	1349.8
570	2.510	0.6	997.4	75.9	8.8	1711.6	4.7	1354.5
571	2.520	0.0	997.4	74.6	7.7	1719.2	3.8	1358.3
572	2.505	0.9	998.3	73.7	6.9	1726.1	3.9	1362.2
573	2.495	1.6	999.9	73.2	6.4	1732.5	4.0	1366.2
574	2.455	4.4	1004.2	73.7	6.9	1739.4	5.6	1371.8
575	2.485	2.3	1006.5	73.8	7.0	1746.3	4.6	1376.4
576	2.540	0.0	1006.5	73.9	7.0	1753.4	3.5	1379.9
577	2.540	0.0	1006.5	71.7	5.1	1758.5	2.6	1382.5
578	2.520	0.0	1006.5	70.8	4.4	1762.8	2.2	1384.7
579	2.555	0.0	1006.5	73.8	7.0	1769.8	3.5	1388.1
580	2.575	0.0	1006.5	73.4	6.6	1776.4	3.3	1391.4
581	2.560	0.0	1006.5	73.4	6.6	1783.0	3.3	1394.7
582	2.545	0.0	1006.5	73.9	7.0	1790.0	3.5	1398.3
583	2.520	0.0	1006.5	73.5	6.7	1796.7	3.3	1401.6
584	2.535	0.0	1006.5	73.0	6.2	1803.0	3.1	1404.7
585	2.575	0.0	1006.5	71.7	5.1	1808.1	2.6	1407.3
586	2.575	0.0	1006.5	71.3	4.8	1812.9	2.4	1409.7
587	2.565	0.0	1006.5	72.2	5.6	1818.4	2.8	1412.4
588	2.565	0.0	1006.5	71.8	5.2	1823.6	2.6	1415.1
589	2.545	0.0	1006.5	72.2	5.6	1829.2	2.8	1417.8
590	2.535	0.0	1006.5	72.2	5.6	1834.7	2.8	1420.6
591	2.535	0.0	1006.5	73.1	6.3	1841.1	3.2	1423.8
592	2.540	0.0	1006.5	73.1	6.3	1847.4	3.2	1426.9
593	2.550	0.0	1006.5	72.7	6.0	1853.4	3.0	1429.9
594	2.575	0.0	1006.5	72.2	5.6	1858.9	2.8	1432.7
595	2.575	0.0	1006.5	73.5	6.7	1865.2	3.3	1435.1
596	2.575	0.0	1006.5	73.5	6.7	1871.7	3.3	1437.5
597	2.575	0.0	1006.5	73.5	6.7	1878.2	3.3	1440.0
598	2.575	0.0	1006.5	73.5	6.7	1884.7	3.3	1442.5
599	2.575	0.0	1006.5	73.5	6.7	1891.2	3.3	1445.0
600	2.575	0.0	1006.5	73.5	6.7	1897.7	3.3	1447.5

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

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
600	2.550	0.0	1006.5	72.7	6.0	1898.1	3.0	1412.3
601	2.565	0.0	1006.5	72.2	5.6	1903.6	2.8	1415.1
602	2.575	0.0	1006.5	72.7	6.0	1909.6	3.0	1418.1
603	2.575	0.0	1006.5	72.7	6.0	1915.6	3.0	1421.1
604	2.575	0.0	1006.5	73.5	6.7	1922.3	3.3	1424.4
605	2.515	0.2	1006.7	74.4	7.5	1929.8	3.8	1428.2
606	2.525	0.0	1006.7	74.4	7.5	1937.3	3.7	1432.0
607	2.535	0.0	1006.7	73.5	6.7	1943.9	3.3	1435.3
608	2.520	0.0	1006.7	72.7	6.0	1949.9	3.0	1438.3
609	2.485	2.3	1009.0	73.5	6.7	1956.6	4.5	1442.8
610	2.445	5.1	1014.1	75.7	8.6	1965.3	6.9	1449.7
611	2.320	9.8	1023.9	75.2	8.2	1973.5	9.0	1458.7
612	2.305	8.0	1031.9	74.0	7.1	1980.6	7.6	1466.2
613	2.405	1.6	1033.5	74.4	7.5	1988.1	4.5	1470.6
614	2.535	0.0	1033.5	75.7	8.6	1996.7	4.3	1475.1
615	2.530	0.0	1033.5	75.3	8.3	2005.0	4.1	1479.2
616	2.515	0.2	1033.7	79.6	12.2	2017.2	6.2	1485.4
617	2.505	0.9	1034.6	79.2	11.8	2029.0	6.4	1491.8
618	2.515	0.2	1034.8	79.2	11.8	2040.9	6.0	1497.8
619	2.510	0.6	1035.4	76.6	9.5	2050.3	5.0	1502.9
620	2.550	0.0	1035.4	74.9	7.9	2058.3	4.0	1506.8
621	2.595	0.0	1035.4	71.9	5.3	2063.6	2.6	1509.5
622	2.590	0.0	1035.4	71.4	4.9	2068.4	2.4	1511.9
623	2.580	0.0	1035.4	71.4	4.9	2073.3	2.4	1514.3
624	2.560	0.0	1035.4	71.4	4.9	2078.2	2.4	1516.8
625	2.560	0.0	1035.4	71.9	5.3	2083.5	2.6	1519.4
626	2.580	0.0	1035.4	73.2	6.4	2089.9	3.2	1522.6
627	2.580	0.0	1035.4	72.3	5.6	2095.5	2.8	1525.4
628	2.570	0.0	1035.4	73.6	6.8	2102.3	3.4	1528.8
629	2.550	0.0	1035.4	75.4	8.4	2110.7	4.2	1533.0
630	2.540	0.0	1035.4	74.9	7.9	2118.6	4.0	1537.0
631	2.515	0.2	1035.6	75.4	8.4	2127.0	4.3	1541.3
632	2.490	1.9	1037.5	76.2	9.1	2136.0	5.5	1546.8
633	2.485	2.3	1039.8	79.7	12.3	2148.4	7.3	1554.1
634	2.465	3.7	1043.5	83.1	15.6	2163.9	9.6	1563.7
635	2.415	7.3	1050.7	84.8	17.2	2181.1	12.2	1575.9
636	2.360	11.3	1062.1	85.7	18.1	2199.2	14.7	1590.6
637	2.335	13.2	1075.3	85.7	18.1	2217.3	15.7	1606.3
638	2.430	6.2	1081.5	83.1	15.6	2232.9	10.9	1617.2
639	2.465	3.7	1085.1	79.2	11.8	2244.7	7.8	1624.9
640	2.455	4.4	1089.5	83.5	15.9	2260.7	10.2	1635.1
641	2.425	6.5	1096.0	87.4	19.8	2280.5	13.2	1648.2
642	2.435	9.5	1105.5	87.0	19.4	2299.9	14.4	1662.7
643	2.350	12.1	1117.6	90.0	22.5	2322.3	17.3	1679.9
644	2.320	15.7	1129.3	91.7	24.2	2346.6	18.0	1697.9
645	2.320	15.7	1137.7	86.1	18.5	2365.1	12.0	1710.9
646	2.320	15.7	1137.7	83.2	15.9	2381.0	10.5	1721.4
647	2.320	15.7	1137.7	80.1	12.7	2397.7	8.3	1730.7
648	2.320	15.7	1137.7	77.2	10.5	2410.0	6.1	1736.8
649	2.320	15.7	1137.7	73.6	6.5	2410.0	3.4	1736.8

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

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
650	2.560	0.0	1150.1	70.6	4.2	2414.2	2.1	1782.1
651	2.545	0.0	1150.1	69.8	3.5	2417.7	1.8	1783.9
652	2.555	0.0	1150.1	69.3	3.1	2420.8	1.5	1785.4
653	2.570	0.0	1150.1	69.7	3.4	2424.2	1.7	1787.1
654	2.585	0.0	1150.1	71.0	4.5	2428.7	2.3	1789.4
655	2.605	0.0	1150.1	70.6	4.2	2432.9	2.1	1791.5
656	2.615	0.0	1150.1	75.7	8.6	2441.5	4.3	1795.8
657	2.580	0.0	1150.1	79.2	11.8	2453.4	5.9	1801.7
658	2.545	0.0	1150.1	84.8	17.2	2470.6	8.6	1810.3
659	2.520	0.0	1150.1	88.2	20.6	2491.2	10.3	1820.6
660	2.465	3.7	1153.7	92.1	24.6	2515.9	14.2	1834.8
661	2.405	8.0	1161.7	92.1	24.6	2540.5	16.3	1851.1
662	2.355	11.7	1173.4	91.3	23.8	2564.3	17.8	1868.8
663	2.295	16.3	1189.7	91.3	23.8	2588.1	20.1	1889.9
664	2.355	11.7	1201.4	88.2	20.6	2608.7	16.2	1905.1
665	2.375	10.2	1211.6	89.1	21.5	2630.3	15.9	1920.9
666	2.365	10.9	1222.6	90.8	23.3	2653.6	17.1	1938.1
667	2.260	19.1	1241.7	94.3	27.0	2680.5	23.1	1961.1
668	2.225	22.0	1263.7	100.8	34.1	2714.7	28.1	1989.2
669	2.205	23.7	1287.3	105.5	39.6	2754.2	31.6	2020.8
670	2.215	22.8	1310.2	107.2	41.6	2795.8	32.2	2053.0
671	2.205	23.7	1333.8	105.1	39.1	2834.9	31.4	2084.3
672	2.170	26.6	1360.5	104.2	38.0	2872.9	32.3	2116.7
673	2.215	22.8	1383.3	96.4	29.3	2902.2	26.0	2142.7
674	2.395	8.7	1392.0	91.7	24.2	2926.4	16.5	2159.2
675	2.440	5.4	1397.4	86.1	18.5	2944.9	12.0	2171.1
676	2.460	4.0	1401.5	84.8	17.2	2962.1	10.6	2181.8
677	2.455	4.4	1405.8	81.8	14.3	2976.4	9.3	2191.1
678	2.435	5.8	1411.7	81.8	14.3	2990.7	10.1	2201.2
679	2.460	4.0	1415.7	80.5	13.1	3003.8	8.5	2209.7
680	2.465	3.7	1419.4	76.7	9.5	3013.3	6.6	2216.3
681	2.440	5.4	1424.8	76.7	9.5	3022.9	7.5	2223.8
682	2.415	7.3	1432.1	76.7	9.5	3032.4	8.4	2232.2
683	2.415	7.3	1439.3	81.8	14.3	3046.7	10.8	2243.0
684	2.375	10.2	1449.5	89.6	22.0	3068.8	16.1	2259.1
685	2.315	14.8	1464.3	93.9	26.6	3095.3	20.7	2279.8
686	2.225	22.0	1486.3	97.3	30.2	3125.6	26.1	2305.9
687	2.170	26.6	1512.9	101.2	34.6	3160.1	30.6	2337.5
688	2.220	22.4	1535.3	102.1	35.6	3195.8	29.0	2366.5
689	2.275	18.7	1554.0	99.9	33.1	3228.9	25.9	2391.4
690	2.270	18.3	1572.3	102.9	36.5	3265.4	27.4	2415.9
691	2.255	19.5	1591.9	114.6	50.6	3316.0	35.1	2450.0
692	2.130	30.1	1622.0	121.1	58.9	3374.9	44.5	2490.4
693	2.040	38.4	1660.4	127.5	67.5	3442.4	52.9	2540.4
694	1.975	45.2	1705.2	130.6	71.7	3514.2	58.3	2598.7
695	1.915	52.1	1757.1	134.1	76.7	3590.8	64.3	2663.0
696	1.855	58.9	1816.0	136.7	80.4	3673.2	70.1	2733.1
697	1.795	65.7	1881.7	137.6	82.7	3760.9	75.6	2808.7
698	1.735	72.5	1954.2	138.5	84.7	3854.6	80.9	2889.6
699	1.675	79.3	2033.5	139.4	86.7	3954.3	86.2	2975.8
700	1.615	86.1	2119.6	140.3	88.7	4060.0	91.5	3067.3
701	1.555	92.9	2213.5	141.2	90.7	4171.7	96.8	3164.1
702	1.495	99.7	2315.2	142.1	92.7	4289.4	102.1	3266.2
703	1.435	106.5	2425.7	143.0	94.7	4413.1	107.4	3373.6
704	1.375	113.3	2545.0	143.9	96.7	4542.8	112.7	3486.3
705	1.315	120.1	2673.1	144.8	98.7	4678.5	118.0	3604.3
706	1.255	126.9	2810.0	145.7	100.7	4820.0	123.3	3727.6
707	1.195	133.7	2955.7	146.6	102.7	4967.3	128.6	3856.2
708	1.135	140.5	3110.2	147.5	104.7	5120.4	133.9	3990.1
709	1.075	147.3	3273.5	148.4	106.7	5279.1	139.2	4129.3
710	1.015	154.1	3445.6	149.3	108.7	5443.4	144.5	4273.8
711	0.955	160.9	3626.5	150.2	110.7	5613.9	149.8	4423.6
712	0.895	167.7	3816.2	151.1	112.7	5790.0	155.1	4578.7
713	0.835	174.5	4014.7	152.0	114.7	5971.7	160.4	4738.9
714	0.775	181.3	4222.0	152.9	116.7	6159.0	165.7	4904.2
715	0.715	188.1	4438.1	153.8	118.7	6351.7	171.0	5074.2
716	0.655	194.9	4663.0	154.7	120.7	6550.0	176.3	5248.5
717	0.595	201.7	4896.7	155.6	122.7	6753.7	181.6	5427.1
718	0.535	208.5	5139.2	156.5	124.7	6963.0	186.9	5610.0
719	0.475	215.3	5390.5	157.4	126.7	7177.7	192.2	5797.2
720	0.415	222.1	5650.6	158.3	128.7	7397.0	197.5	5988.7
721	0.355	228.9	5919.5	159.2	130.7	7620.0	202.8	6184.5
722	0.295	235.7	6197.2	160.1	132.7	7846.7	208.1	6384.6
723	0.235	242.5	6483.7	161.0	134.7	8077.0	213.4	6589.0
724	0.175	249.3	6779.0	161.9	136.7	8310.0	218.7	6797.7
725	0.115	256.1	7083.1	162.8	138.7	8545.7	224.0	7010.7
726	0.055	262.9	7396.0	163.7	140.7	8784.0	229.3	7227.0
727	0.000	269.7	7717.7	164.6	142.7	9025.0	234.6	7446.6
728				165.5	144.7	9269.0	240.0	7670.0
729				166.4	146.7	9516.0	245.3	7897.3
730				167.3	148.7	9766.0	250.6	8128.6
731				168.2	150.7	10019.0	255.9	8363.9
732				169.1	152.7	10275.0	261.2	8603.2
733				170.0	154.7	10534.0	266.5	8846.5
734				170.9	156.7	10796.0	271.8	9093.8
735				171.8	158.7	11061.0	277.1	9345.1
736				172.7	160.7	11329.0	282.4	9599.4
737				173.6	162.7	11600.0	287.7	9857.7
738				174.5	164.7	11874.0	293.0	10119.0
739				175.4	166.7	12151.0	298.3	10384.3
740				176.3	168.7	12431.0	303.6	10653.6
741				177.2	170.7	12714.0	308.9	10926.9
742				178.1	172.7	13000.0	314.2	11203.2
743				179.0	174.7	13289.0	319.5	11482.5
744				180.0	176.7	13581.0	324.8	11764.8
745				180.9	178.7	13876.0	330.1	12050.1
746				181.8	180.7	14174.0	335.4	12339.4
747				182.7	182.7	14475.0	340.7	12632.7
748				183.6	184.7	14779.0	346.0	12929.0
749				184.5	186.7	15086.0	351.3	13228.3
750				185.4	188.7	15396.0	356.6	13530.6
751				186.3	190.7	15709.0	361.9	13835.9
752				187.2	192.7	16024.0	367.2	14144.2
753				188.1	194.7	16341.0	372.5	14455.5
754				189.0	196.7	16660.0	377.8	14769.8
755				190.0	198.7	16981.0	383.1	15087.1
756				190.9	200.7	17304.0	388.4	15407.4
757				191.8	202.7	17629.0	393.7	15730.7
758				192.7	204.7	17956.0	399.0	16056.0
759				193.6	206.7	18285.0	404.3	16383.3
760				194.5	208.7	18616.0	409.6	16712.6
761				195.4	210.7	18949.0	414.9	17044.9
762				196.3	212.7	19284.0	420.2	17379.2
763				197.2	214.7	19621.0	425.5	17716.5
764				198.1	216.7	19960.0	430.8	18056.8
765				199.0	218.7	20301.0	436.1	18399.1
766				199.9	220.7	20644.0	441.4	18743.4
767				200.8	222.7	20989.0	446.7	19089.7
768				201.7	224.7	21336.0	452.0	19438.0
769				202.6	226.7	21684.0	457.3	19788.3
770				203.5	228.7	22034.0	462.6	20140.6
771				204.4	230.7	22386.0	467.9	20494.9
772				205.3	232.7	22739.0	473.2	20851.2
773				206.2	234.7	23093.0	478.5	21209.5
774				207.1	236.7	23449.0	483.8	21569.8
775				208.0	238.7	23806.0	489.1	21932.1
776				208.9	240.7	24164.0	494.4	22296.4
777				209.8	242.7	24523.0	499.7	22662.7
778				210.7	244.7	24883.0	505.0	23030.0
779				211.6	246.7	25244.0	510.3	23399.3
780				212.5	248.7	25606.0	515.6	23770.6
781				213.4	250.7	25969.0	520.9	24143.9
782				214.3	252.7	26333.0	526.2	24519.2
783				215.2	254.7	26698.0	531.5	24896.5
784				216.1	256.7	27064.0	536.8	25275.8
785				217.0	258.7	27431.0	542.1	25657.1
786				217.9	260.7	27799.0	547.4	26040.4
787				218.8	262.7	28168.0	552.7	26425.7
788				219.7	264.7	28538.0	5	

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

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
700	2.025	39.8	2034.2	107.6	42.0	3915.7	40.9	2974.9
701	2.085	34.2	2068.4	105.9	40.0	3955.7	37.1	3012.0
702	2.220	22.4	2090.8	99.5	32.7	3988.4	27.5	3039.6
703	2.265	18.7	2109.5	94.7	27.4	4015.8	23.1	3062.6
704	2.220	22.4	2131.9	95.1	27.8	4043.7	25.1	3087.8
705	2.165	27.1	2159.0	99.0	32.1	4075.8	29.6	3117.4
706	2.240	20.8	2179.7	101.1	34.5	4110.3	27.6	3145.0
707	2.270	18.3	2198.0	104.6	38.5	4148.8	28.4	3173.4
708	2.210	23.2	2221.3	108.1	42.6	4191.4	32.9	3206.3
709	2.145	28.8	2250.1	108.5	43.1	4234.5	36.0	3242.3
710	2.070	35.6	2285.7	111.5	46.7	4281.3	41.2	3283.4
711	2.130	30.1	2315.8	105.5	39.6	4320.8	34.8	3318.3
712	2.215	22.8	2338.6	99.0	32.1	4352.9	27.5	3345.8
713	2.260	19.1	2357.7	96.0	28.8	4381.8	24.0	3369.7
714	2.245	20.3	2378.1	96.9	29.8	4411.5	25.1	3394.8
715	2.255	19.5	2397.6	98.2	31.2	4442.8	25.4	3420.2
716	2.320	14.4	2412.0	96.9	29.8	4472.6	22.1	3442.3
717	2.315	14.8	2426.8	95.1	27.8	4500.4	21.3	3463.6
718	2.275	17.9	2444.7	96.0	28.8	4529.2	23.4	3486.9
719	2.235	21.2	2465.8	95.1	27.8	4557.1	24.5	3511.4
720	2.245	20.3	2486.2	91.7	24.2	4581.3	22.3	3533.7
721	2.355	11.7	2497.9	90.8	23.3	4604.6	17.5	3551.2
722	2.375	10.2	2508.1	93.8	26.4	4631.0	18.3	3569.5
723	2.330	13.6	2521.7	96.9	29.8	4660.8	21.7	3591.2
724	2.275	17.9	2539.6	100.3	33.6	4694.4	25.7	3617.0
725	2.205	23.7	2563.2	103.8	37.6	4732.0	30.6	3647.6
726	2.205	23.7	2586.9	105.5	39.6	4771.5	31.6	3679.2
727	2.250	19.9	2606.8	102.5	36.1	4807.6	28.0	3707.2
728	2.285	17.1	2624.0	99.0	32.1	4839.7	24.6	3731.8
729	2.295	16.3	2640.3	99.5	32.7	4872.4	24.5	3756.3
730	2.290	16.7	2657.0	97.7	30.7	4903.1	23.7	3780.0
731	2.300	15.9	2673.0	93.8	26.4	4929.5	21.2	3801.2
732	2.365	10.9	2683.9	89.5	21.9	4951.4	16.4	3817.7
733	2.405	8.0	2691.9	89.5	21.9	4973.4	15.0	3832.6
734	2.430	6.2	2698.0	87.8	20.2	4993.6	13.2	3845.8
735	2.435	5.8	2703.8	84.4	16.8	5010.4	11.3	3857.1
736	2.420	6.9	2710.7	84.4	16.8	5027.2	11.9	3865.0
737	2.405	8.0	2718.7	82.1	14.6	5041.8	11.3	3880.3
738	2.425	6.5	2725.2	78.3	11.0	5052.8	8.8	3889.0
739	2.470	3.3	2728.6	75.2	8.2	5061.0	5.8	3899.8
740	2.475	3.0	2731.5	77.9	10.6	5071.7	6.8	3909.6
741	2.475	3.0	2734.5	78.8	11.5	5083.1	7.2	3920.8
742	2.465	3.7	2738.2	76.1	9.0	5092.1	6.3	3931.5
743	2.445	5.1	2743.3	80.9	13.4	5105.6	9.3	3942.4
744	2.485	2.5	2749.8	83.9	16.3	5121.9	11.4	3953.9
745	2.425	4.5	2756.3	83.5	15.9	5137.8	11.2	3964.1
746	2.425	4.5	2757.8	81.3	13.8	5151.7	10.2	3974.3
747	2.425	4.5	2759.3	84.2	17.1	5166.2	14.1	3988.4
748	2.425	4.5	2760.8	86.8	19.1	5180.6	17.1	3999.5
749	2.425	4.5	2762.3	87.7	20.1	5212.7	13.5	4000.0

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

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL X-6

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
750	2.395	8.7	2800.0	85.6	18.0	5230.7	13.4	4015.3
751	2.340	12.8	2812.8	86.9	19.3	5250.0	16.1	4031.4
752	2.300	15.9	2828.8	86.0	18.4	5268.4	17.2	4048.6
753	2.435	5.8	2834.6	77.5	10.3	5278.6	8.0	4056.6
754	2.475	3.0	2837.5	77.5	10.3	5288.9	6.6	4063.2
755	2.455	4.4	2841.9	80.9	13.4	5302.3	8.9	4072.2
756	2.445	5.1	2847.0	80.5	13.1	5315.4	9.1	4081.2
757	2.425	6.5	2853.5	82.2	14.7	5330.1	10.6	4091.8
758	2.355	11.7	2865.2	85.7	18.1	5348.2	14.9	4106.7
759	2.320	14.4	2879.6	85.3	17.7	5365.9	16.0	4122.8
760	2.345	12.5	2892.1	81.4	13.9	5379.8	13.2	4136.0
761	2.435	5.8	2897.9	80.5	13.1	5392.9	9.4	4145.4
762	2.510	0.6	2898.4	78.4	11.1	5404.0	5.8	4151.2
763	2.540	0.0	2898.4	73.7	6.9	5410.8	3.4	4154.7
764	2.555	0.0	2898.4	73.3	6.5	5417.3	3.3	4157.9
765	2.560	0.0	2898.4	73.7	6.9	5424.2	3.4	4161.3
766	2.605	0.0	2898.4	73.7	6.9	5431.1	3.4	4164.8
767	2.585	0.0	2898.4	75.0	8.0	5439.1	4.0	4168.8
768	2.565	0.0	2898.4	74.6	7.7	5446.7	3.8	4172.6
769	2.540	0.0	2898.4	74.6	7.7	5454.4	3.8	4176.4
770	2.535	0.0	2898.4	74.6	7.7	5462.0	3.8	4180.3
771	2.535	0.0	2898.4	74.5	7.6	5469.6	3.8	4184.0
772	2.530	0.0	2898.4	76.7	9.5	5479.2	4.8	4188.8
773	2.515	0.2	2898.6	77.1	9.9	5489.1	5.1	4193.9
774	2.490	1.9	2900.6	75.8	8.7	5497.8	5.3	4199.2
775	2.450	4.7	2905.3	75.4	8.4	5506.2	6.6	4205.8
776	2.420	6.9	2912.2	75.4	8.4	5514.5	7.6	4213.4
777	2.415	7.3	2919.5	74.6	7.7	5522.2	7.5	4220.8
778	2.415	7.3	2926.7	73.8	7.0	5529.1	7.1	4227.9
779	2.435	5.8	2932.5	73.3	6.5	5535.6	6.2	4234.1
780	2.445	5.1	2937.6	72.9	6.2	5541.8	5.6	4239.7
781	2.450	4.7	2942.3	73.3	6.5	5548.3	5.6	4245.3
782	2.455	4.4	2946.7	73.4	6.6	5554.9	5.5	4250.8
783	2.470	3.3	2950.0	73.0	6.2	5561.2	4.8	4255.6
784	2.500	1.2	2951.3	72.5	5.8	5567.0	3.5	4259.1
785	2.505	0.9	2952.2	71.6	5.0	5572.0	3.0	4262.1
786	2.515	0.2	2952.4	71.2	4.7	5576.7	2.5	4264.6
787	2.525	0.0	2952.4	71.2	4.7	5581.4	2.3	4266.9
788	2.530	0.0	2952.4	71.2	4.7	5586.1	2.3	4269.3
789	2.550	0.0	2952.4	71.6	5.0	5591.1	2.5	4271.8
790	2.540	0.0	2952.4	71.6	5.0	5596.2	2.5	4274.3
791	2.525	0.0	2952.4	72.0	5.4	5601.5	2.7	4277.0
792	2.520	0.0	2952.4	72.9	6.2	5607.7	3.1	4280.0
793	2.510	0.2	2953.0	72.9	6.2	5613.9	3.4	4283.4
794	2.510	0.6	2953.5	72.9	6.2	5620.0	3.4	4287.3
795	2.500	1.0	2953.5	72.5	5.8	5625.8	2.9	4290.7
796	2.490	1.9	2953.5	72.5	5.8	5631.7	2.9	4294.1
797	2.480	2.8	2953.5	72.5	5.8	5637.7	2.9	4297.5
798	2.470	3.3	2953.5	72.5	5.8	5643.7	2.9	4300.9
799	2.460	4.0	2953.5	71.6	5.0	5647.9	2.5	4304.1

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 X - 6

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
800	2.580	0.0	2954.3	71.6	5.0	5652.9	2.5	4303.6