

WATER ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
230	2.060	34.7	34.7					
231	2.130	30.1	64.8					
232	2.160	27.5	92.3					
233	2.220	22.4	114.7					
234	2.270	18.3	133.0					
235	2.280	17.5	150.5					
236	2.290	16.7	167.3					
237	2.290	16.7	184.0					
238	2.270	18.3	202.3					
239	2.240	20.8	223.1					
240	2.250	19.9	243.0					
241	2.240	20.8	263.7					
242	2.230	21.6	285.3					
243	2.220	22.4	307.7					
244	2.190	24.9	332.6					
245	2.140	29.2	361.8					
246	2.280	17.5	379.3					
247	2.360	11.3	390.6					
248	2.310	15.2	405.8					
249	2.270	18.3	424.1					
250	2.290	16.7	440.8					
251	2.290	16.7	457.5					
252	2.320	14.4	471.9					
253	2.330	13.6	485.5					
254	2.320	14.4	500.0					
255	2.290	16.7	516.7					
256	2.270	18.3	535.1					
257	2.240	20.8	555.9					
258	2.230	21.6	577.4					
259	2.240	20.8	598.1					
260	2.310	15.2	613.3					
261	2.380	9.8	623.1					
262	2.360	11.3	634.4					
263	2.330	13.6	648.0					
264	2.320	14.4	662.4					
265	2.360	11.3	673.7					
266	2.350	12.1	685.8					
267	2.370	10.6	696.4					
268	2.330	12.6	710.0					
269	2.300	13.9	725.9					
270	2.310	15.2	741.1					
271	2.300	13.9	757.0					
272	2.260	19.1	776.1					
273	2.260	19.1	795.3					
274	2.230	21.6	816.8					
275	2.310	15.2	832.0					
276	2.280	17.5	849.5					
277	2.290	16.7	866.2					
278	2.290	16.7	882.9					
279	2.290	16.7	899.6					

THE CLEVELAND CLIFFS IRON COMPANY-DELL #3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
280	2.260	14.1	815.7					
281	2.260	14.4	830.0					
282	2.260	17.5	847.6					
283	2.230	21.6	869.1					
284	2.260	16.1	888.3					
285	2.230	17.5	905.8					
286	2.300	15.9	921.7					
287	2.320	14.4	936.1					
288	2.340	12.8	948.9					
289	2.350	12.1	961.0					
290	2.350	12.1	973.1					
291	2.320	14.4	987.5					
292	2.250	19.9	1007.4					
293	2.260	17.5	1024.9					
294	2.330	13.6	1038.5					
295	2.330	13.6	1052.1					
296	2.310	15.2	1067.7					
297	2.320	14.4	1083.7					
298	2.320	14.4	1098.4					
299	2.320	14.4	1110.4					
300	2.320	14.4	1122.4					
301	2.380	9.8	1133.3					
302	2.380	9.8	1143.3					
303	2.310	15.2	1159.6					
304	2.270	18.3	1177.9					
305	2.280	17.5	1195.4					
306	2.270	18.3	1213.7					
307	2.320	14.4	1228.1					
308	2.390	9.1	1237.2					
309	2.350	12.1	1249.3					
310	2.340	12.8	1262.1					
311	2.380	9.8	1271.9					
312	2.430	6.2	1278.1					
313	2.360	11.3	1289.4					
314	2.370	10.6	1299.0					
315	2.380	9.8	1309.8					
316	2.380	9.8	1319.6					
317	2.380	9.8	1329.5					
318	2.380	9.1	1338.6					
319	2.380	9.1	1347.6					
320	2.380	9.8	1357.4					
321	2.370	10.6	1360.0					
322	2.400	8.3	1376.4					
323	2.380	9.8	1386.2					
324	2.370	10.6	1396.8					
325	2.370	10.6	1407.3					
326	2.360	10.6	1418.6					
327	2.360	10.6	1429.9					
328	2.360	10.6	1441.2					
329	2.360	10.6	1452.5					
330	2.360	10.6	1463.8					
331	2.360	10.6	1475.1					
332	2.360	10.6	1486.4					
333	2.360	10.6	1497.7					
334	2.360	10.6	1509.0					
335	2.360	10.6	1520.3					
336	2.360	10.6	1531.6					
337	2.360	10.6	1542.9					
338	2.360	10.6	1554.2					
339	2.360	10.6	1565.5					
340	2.360	10.6	1576.8					
341	2.360	10.6	1588.1					
342	2.360	10.6	1599.4					
343	2.360	10.6	1610.7					
344	2.360	10.6	1622.0					
345	2.360	10.6	1633.3					
346	2.360	10.6	1644.6					
347	2.360	10.6	1655.9					
348	2.360	10.6	1667.2					
349	2.360	10.6	1678.5					
350	2.360	10.6	1689.8					

THE CLEVELAND CLIFFS IRON CO. WARY-WELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
330	2.270	18.3	1577.0					
331	2.250	19.3	1596.9					
332	2.270	18.3	1615.3					
333	2.260	11.3	1626.6					
334	2.340	12.8	1639.4					
335	2.320	14.4	1653.8					
336	2.360	11.3	1665.1					
337	2.370	10.6	1675.7					
338	2.380	9.8	1685.5					
339	2.380	9.8	1695.3					
340	2.350	12.1	1707.4					
341	2.370	10.6	1718.0					
342	2.370	10.6	1728.6					
343	2.370	10.6	1739.1					
344	2.360	11.3	1750.4					
345	2.330	13.6	1764.0					
346	2.330	13.6						
347	2.350	12.1						
348	2.380	9.8						
349	2.400	8.3						
350	2.360	11.3						
351	2.320	14.4						
352	2.320	14.4						
353	2.380	9.8						
354	2.360	11.3						
355	2.200	24.1						
356	2.190	24.9						
357	2.280	17.5						
358	2.340	12.8						
359	2.320	14.4						
360	2.350	12.1						
361	2.320	14.4						
362	2.350	12.1						
363	2.330	13.6						
364	2.260	19.1						
365	2.190	24.9						
366	2.150	28.4						
367	2.070	35.6						
368	2.100	25.3						
369	2.300	15.9						
370	2.300	13.6						
371	2.310	15.2						
372	2.280	17.5						
373	2.320	14.4						
374	2.360	11.3						
375	2.300	19.8						
376	2.300	17.5						
377	2.300	17.5						
378	2.300	17.5						
379	2.300	17.5						
380	2.300	17.5						

RODGER ANALYSIS FOR

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
390	2.130	30.1	2398.6					
391	2.120	14.4	2413.0					
392	2.420	6.9	2419.9					
393	2.430	6.2	2426.0					
394	2.380	9.1	2435.1					
395	2.380	9.8	2444.9					
396	2.360	11.3	2456.2					
397	2.320	14.4	2470.6					
398	2.260	19.1	2489.7					
399	2.180	25.8	2515.5					
400	2.160	27.5	2543.0					
401	2.160	27.5	2570.5					
402	2.160	27.5	2598.0					
403	2.110	31.9	2629.9					
404	1.930	49.4	2679.3					
405	1.820	61.3	2740.6					
406	1.730	72.0						
407	1.790	64.8						
408	2.100	32.8						
409	2.250	19.9						
410	2.080	34.7						
411	2.200	24.1						
412	2.180	25.8						
413	2.180	25.8						
414	2.160	27.5						
415	2.160	27.5						
416	2.190	24.9						
417	2.210	23.2						
418	2.160	27.5						
419	2.180	25.8						
420	2.190	24.9						
421	2.170	26.6						
422	2.150	28.4						
423	2.120	31.0						
424	1.950	47.3						
425	1.790	64.8						
426	1.700	75.8						
427	1.690	77.1						
428	1.610	87.8						
429	1.730	72.0						
430	2.030	37.5						
431	2.330	12.1						
432	2.330	15.8						
433	2.330	17.3						
434	2.330	17.3						
435	2.330	17.3						
436	2.330	17.3						
437	2.330	17.3						
438	2.330	17.3						
439	2.330	17.3						
440	2.330	17.3						
441	2.330	17.3						
442	2.330	17.3						
443	2.330	17.3						
444	2.330	17.3						
445	2.330	17.3						
446	2.330	17.3						
447	2.330	17.3						
448	2.330	17.3						
449	2.330	17.3						
450	2.330	17.3						

ANALYSIS FOR

THE CLEVELAND CLIFFS IRON COMPANY-CELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
430	2.400	1.0	3910.0					
431	2.400	8.3	3918.3					
432	2.190	24.9	3943.3					
433	2.030	39.4	3982.6					
434	2.120	31.0	4013.3					
435	2.190	24.9	4038.3					
436	2.280	17.5	4056.1					
437	2.400	8.3	4064.4					
438	2.470	3.3	4067.8					
439	2.430	6.2	4073.9					
440	2.390	9.1	4083.0					
441	2.390	9.1	4092.1					
442	2.370	10.6	4102.7					
443	2.370	10.6	4113.2					
444	2.380	9.8	4123.0					
445	2.330	13.6	4136.6					
446	2.260	19.1	4145.7					
447	2.270	18.3	4154.1					
448	2.360	11.3	4165.4					
449	2.400	8.3	4173.7					
450	2.420	6.9	4200.6					
451	2.350	12.1	4212.7					
452	2.280	17.5	4220.2					
453	2.250	19.9	4230.2					
454	2.140	29.2	4279.4					
455	2.090	33.7	4313.1					
456	2.270	18.3	4331.5					
457	2.360	11.3	4342.8					
458	2.390	9.1	4351.9					
459	2.400	8.3	4360.2					
460	2.400	8.3	4368.5					
461	2.350	12.1	4380.6					
462	2.350	12.1	4392.7					
463	2.400	8.3	4401.0					
464	2.430	6.2	4407.2					
465	2.440	5.4	4412.6					
466	2.460	4.0	4416.7					
467	2.400	8.3	4425.0					
468	2.390	9.1	4434.1					
469	2.390	12.1	4446.2					
470	2.390	12.8	4459.0					
471	2.390	12.1	4471.1					
472	2.390	10.9	4491.0					
473	2.400	11.5	4513.5					
474	2.400	15.6	4539.1					
475	2.400	19.9	4559.0					
476	2.400	19.9	4578.9					
477	2.400	19.9	4598.8					
478	2.400	19.9	4618.7					
479	2.400	19.9	4638.6					
480	2.400	19.9	4658.5					
481	2.400	19.9	4678.4					
482	2.400	19.9	4698.3					
483	2.400	19.9	4718.2					
484	2.400	19.9	4738.1					
485	2.400	19.9	4758.0					
486	2.400	19.9	4777.9					
487	2.400	19.9	4797.8					
488	2.400	19.9	4817.7					
489	2.400	19.9	4837.6					
490	2.400	19.9	4857.5					
491	2.400	19.9	4877.4					
492	2.400	19.9	4897.3					
493	2.400	19.9	4917.2					
494	2.400	19.9	4937.1					
495	2.400	19.9	4957.0					
496	2.400	19.9	4976.9					
497	2.400	19.9	4996.8					
498	2.400	19.9	5016.7					
499	2.400	19.9	5036.6					
500	2.400	19.9	5056.5					

THE CLEVELAND CLIFFS IRON COMPANY-WEIL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
480	2.440	5.4	4612.2					
481	2.430	6.2	4610.4					
482	2.400	8.3	4606.7					
483	2.380	9.8	4602.5					
484	2.330	13.6	4600.1					
485	2.330	13.6	4600.7					
486	2.340	12.8	4613.6					
487	2.370	10.6	4687.1					
488	2.220	32.4	4709.5					
489	2.000	42.3	4751.8					
490	1.710	74.5	4826.4					
491	1.640	83.7	4910.0					
492	1.820	61.3	4971.4					
493	2.130	27.5	4998.9					
494	2.230	21.6	5020.4					
495	2.050	27.5	5057.0					
496	1.870	55.8						
497	1.750	69.6	5103.2					
498	1.690	77.1						
499	1.770	67.2	5327.5					
500	1.900	52.5						
501	2.210	23.2						
502	2.180	25.8						
503	2.280	17.5	5446.5					
504	2.340	12.8	5459.4					
505	2.360	11.3	5470.7					
506	2.390	9.1	5479.8					
507	2.460	4.0	5483.8					
508	2.490	1.9	5485.7					
509	2.490	1.9	5487.7					
510	2.480	2.6	5490.3					
511	2.460	4.0	5494.3					
512	2.420	6.2	5500.5					
513	2.410	7.6	5508.1					
514	2.390	9.1	5517.2					
515	2.390	9.1	5526.3					
516	2.430	6.2	5532.4					
517	2.470	3.3	5535.7					
518	2.510	0.6	5539.0					
519	2.510	1.2	5540.5					
520	2.510	0.6	5541.1					
521	2.500	1.2	5542.0					
522	2.500	1.2	5543.6					
523	2.490	0.9	5545.5					
524	2.510	0.6	5547.4					
525	2.510	0.6	5548.1					
526	2.510	0.6	5549.4					
527	2.510	0.6	5550.1					
528	2.510	0.6	5551.1					
529	2.510	0.6	5552.1					
530	2.510	0.6	5553.1					
531	2.510	0.6	5554.1					
532	2.510	0.6	5555.1					
533	2.510	0.6	5556.1					
534	2.510	0.6	5557.1					
535	2.510	0.6	5558.1					
536	2.510	0.6	5559.1					
537	2.510	0.6	5560.1					
538	2.510	0.6	5561.1					
539	2.510	0.6	5562.1					
540	2.510	0.6	5563.1					
541	2.510	0.6	5564.1					
542	2.510	0.6	5565.1					
543	2.510	0.6	5566.1					
544	2.510	0.6	5567.1					
545	2.510	0.6	5568.1					
546	2.510	0.6	5569.1					
547	2.510	0.6	5570.1					
548	2.510	0.6	5571.1					
549	2.510	0.6	5572.1					
550	2.510	0.6	5573.1					
551	2.510	0.6	5574.1					
552	2.510	0.6	5575.1					
553	2.510	0.6	5576.1					
554	2.510	0.6	5577.1					
555	2.510	0.6	5578.1					
556	2.510	0.6	5579.1					
557	2.510	0.6	5580.1					
558	2.510	0.6	5581.1					
559	2.510	0.6	5582.1					
560	2.510	0.6	5583.1					
561	2.510	0.6	5584.1					
562	2.510	0.6	5585.1					
563	2.510	0.6	5586.1					
564	2.510	0.6	5587.1					
565	2.510	0.6	5588.1					
566	2.510	0.6	5589.1					
567	2.510	0.6	5590.1					
568	2.510	0.6	5591.1					
569	2.510	0.6	5592.1					
570	2.510	0.6	5593.1					
571	2.510	0.6	5594.1					
572	2.510	0.6	5595.1					
573	2.510	0.6	5596.1					
574	2.510	0.6	5597.1					
575	2.510	0.6	5598.1					
576	2.510	0.6	5599.1					
577	2.510	0.6	5600.1					
578	2.510	0.6	5601.1					
579	2.510	0.6	5602.1					
580	2.510	0.6	5603.1					
581	2.510	0.6	5604.1					
582	2.510	0.6	5605.1					
583	2.510	0.6	5606.1					
584	2.510	0.6	5607.1					
585	2.510	0.6	5608.1					
586	2.510	0.6	5609.1					
587	2.510	0.6	5610.1					
588	2.510	0.6	5611.1					
589	2.510	0.6	5612.1					
590	2.510	0.6	5613.1					
591	2.510	0.6	5614.1					
592	2.510	0.6	5615.1					
593	2.510	0.6	5616.1					
594	2.510	0.6	5617.1					
595	2.510	0.6	5618.1					
596	2.510	0.6	5619.1					
597	2.510	0.6	5620.1					
598	2.510	0.6	5621.1					
599	2.510	0.6	5622.1					
600	2.510	0.6	5623.1					
601	2.510	0.6	5624.1					
602	2.510	0.6	5625.1					
603	2.510	0.6	5626.1					
604	2.510	0.6	5627.1					
605	2.510	0.6	5628.1					
606	2.510	0.6	5629.1					
607	2.510	0.6	5630.1					
608	2.510	0.6	5631.1					
609	2.510	0.6	5632.1					
610	2.510	0.6	5633.1					
611	2.510	0.6	5634.1					
612	2.510	0.6	5635.1					
613	2.510	0.6	5636.1					
614	2.510	0.6	5637.1					
615	2.510	0.6	5638.1					
616	2.510	0.6	5639.1					
617	2.510	0.6	5640.1					
618	2.510	0.6	5641.1					
619	2.510	0.6	5642.1					
620	2.510	0.6	5643.1					
621	2.510	0.6	5644.1					
622	2.510	0.6	5645.1					
623	2.510	0.6	5646.1					
624	2.510	0.6	5647.1					
625	2.510	0.6	5648.1					
626	2.510	0.6	5649.1					
627	2.510	0.6	5650.1					
628	2.510	0.6	5651.1					
629	2.510	0.6	5652.1					
630	2.510	0.6	5653.1					
631	2.510	0.6	5654.1					
632	2.510	0.6	5655.1					
633	2.510	0.6	5656.1					
634	2.510	0.6	5657.1					
635	2.510	0.6	5658.1					
636	2.510	0.6	5659.1					
637	2.510	0.6	5660.1					
638	2.510	0.6	5661.1					
639	2.510	0.6	5662.1					
640	2.510	0.6	5663.1					
641	2.510	0.6	5664.1					
642	2.510	0.6	5665.1					
643	2.510	0.6	5666.1					
644	2.510	0.6	5667.1					
645	2.510	0.6	5668.1					
646	2.510	0.6	5669.1					
647	2.510	0.6	5670.1					
648	2.510	0.6	5671.1					
649	2.510	0.6	5672.1					
650	2.510	0.6	5673.1					
651	2.510	0.6	5674.1					
652	2.510	0.6	5675.1					
653	2.510	0.6	5676.1					
654	2.510	0.6	5677.1					
655	2.510	0.6	5678.1					
656	2.510	0.6	5679.1					
657	2.510	0.6	5680.1					
658	2.510	0.6	5681.1					
659	2.510	0.6	5682.1					
660	2.510	0.6	5683.1					
661	2.510	0.6	5684.1					
662	2.510	0.6	5685.1					
663	2.510	0.6	5686.1					
664	2.510	0.6	5687.1					
665	2.510	0.6	5688.1					
666	2.510	0.6	5689.1					
667	2.510	0.6	5690.1					
668	2.510	0.6	5691.1					
669	2.510	0.6	5692.1					
670	2.510	0.6	5693.1					
671	2.510	0.6	5694.1					
672	2.510	0.6	5695.1					
673	2.510	0.6	5696.1					
674	2.510	0.6	5697.1					
675	2.510	0						

THE CLEVELAND CLIFFS IRON COMPANY-WELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
530	2.410	7.6	5582.4					
531	2.490	1.9	5584.4					
532	2.510	0.6	5584.9					
533	2.480	2.6	5587.5					
534	2.480	2.6	5590.2					
535	2.500	1.2	5591.4					
536	2.510	0.6	5592.0					
537	2.470	3.3	5595.3					
538	2.470	3.3	5598.6					
539	2.490	2.6	5601.2					
540	2.490	1.9	5603.2					
541	2.470	3.3	5606.5					
542	2.470	3.3	5609.8					
543	2.470	3.3	5613.1					
544	2.480	2.6	5615.8					
545	2.470	3.3	5618.8					
546	2.460	4.0	5620.7					
547	2.410	7.6	5620.7					
548	2.330	13.6	5620.7					
549	2.400	8.3	5652.7					
550	2.440	5.4						
551	2.460	4.0						
552	2.460	4.0						
553	2.420	6.9	5673.1					
554	2.380	11.3	5684.4					
555	2.420	6.9	5691.3					
556	2.480	2.6	5693.9					
557	2.480	2.6	5696.5					
558	2.490	1.9	5698.4					
559	2.460	4.0	5702.5					
560	2.430	6.2	5708.6					
561	2.450	4.7	5713.4					
562	2.480	2.6	5716.0					
563	2.510	0.6	5716.5					
564	2.530	0.0	5716.5					
565	2.520	0.0	5716.5					
566	2.490	1.9	5718.5					
567	2.440	5.4	5722.9					
568	2.470	3.3	5727.2					
569	2.410	7.6	5731.5					
570	2.380	9.9	5744.7					
571	2.420	5.9	5751.6					
572	2.480	2.6	5756.2					
573	2.480	2.6	5758.2					
574	2.460	4.0	5764.4					
575	2.430	6.2	5770.5					
576	2.430	6.2	5775.7					
577	2.430	6.2	5775.7					
578	2.430	6.2	5775.7					
579	2.430	6.2	5775.7					
580	2.430	6.2	5775.7					
581	2.430	6.2	5775.7					
582	2.430	6.2	5775.7					
583	2.430	6.2	5775.7					
584	2.430	6.2	5775.7					
585	2.430	6.2	5775.7					
586	2.430	6.2	5775.7					
587	2.430	6.2	5775.7					
588	2.430	6.2	5775.7					
589	2.430	6.2	5775.7					
590	2.430	6.2	5775.7					
591	2.430	6.2	5775.7					
592	2.430	6.2	5775.7					
593	2.430	6.2	5775.7					
594	2.430	6.2	5775.7					
595	2.430	6.2	5775.7					
596	2.430	6.2	5775.7					
597	2.430	6.2	5775.7					
598	2.430	6.2	5775.7					
599	2.430	6.2	5775.7					
600	2.430	6.2	5775.7					

KEROGEN ANALYSIS

FOR

THE CLEVELAND CLIFFS IRON COMPANY-BELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
580	2.430	6.2	5802.8					
581	2.430	7.7	5807.6					
582	2.410	7.6	5815.2					
583	2.410	15.2	5830.3					
584	2.400	8.2	5838.7					
585	2.450	4.7	5843.4					
586	2.450	4.7	5848.2					
587	2.450	4.7	5852.9					
588	2.430	6.2	5859.1					
589	2.400	8.3	5867.4					
590	2.330	13.6	5881.0					
591	2.400	6.3	5885.3					
592	2.440	5.4	5894.8					
593	2.420	6.9	5901.7					
594	2.330	13.6	5915.3					
595	2.310	15.2						
596	2.420	6.9						
597	2.450	4.7						
598	2.440	5.4						
599	2.420	6.9	5954.4					
600	2.380	9.8						
601	2.380	9.8						
602	2.360	11.3						
603	2.340	12.8	5998.2					
604	2.370	10.6	6008.8					
605	2.370	10.6	6019.3					
606	2.380	9.8	6029.1					
607	2.400	8.3	6037.5					
608	2.410	7.6	6045.1					
609	2.430	6.2	6051.3					
610	2.390	9.1	6060.3					
611	2.380	9.8	6070.2					
612	2.390	9.1	6079.2					
613	2.380	9.8	6089.1					
614	2.330	13.6	6102.7					
615	2.340	12.3	6115.5					
616	2.360	11.3	6126.8					
617	2.380	9.8	6136.6					
618	2.380	9.8	6146.5					
619	2.350	12.1	6156.5					
620	2.350	13.6	6172.1					
621	2.310	15.2	6187.3					
622	2.290	16.7	6200.0					
623	2.250	19.1	6222.1					
624	2.230	25.8	6245.9					
625	2.230	22.4	6271.1					
626	2.230	21.5	6299.6					
627	2.230	21.5	6327.1					
628	2.230	21.5	6354.6					
629	2.230	21.5	6382.1					
630	2.230	21.5	6409.6					

THE CLEVELAND CLIFFS IRON COMPANY-MILL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-P	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
630	2.420	6.9	6230.1					
631	2.410	6.4	6255.5					
632	2.420	6.9	6262.4					
633	2.390	6.1	6371.6					
634	2.430	6.2	6377.6					
635	2.420	6.9	6384.5					
636	2.400	12.1	6396.6					
637	2.270	18.3	6414.5					
638	2.330	13.6	6428.5					
639	2.410	7.6	6436.1					
640	2.450	4.7	6440.9					
641	2.480	2.6	6443.5					
642	2.470	3.3	6446.8					
643	2.410	7.6	6454.4					
644	2.440	5.4	6459.9					
645	2.460	4.0	6463.0					
646	2.450	4.7	6466.2					
647	2.410	7.6	6476.2					
648	2.430	6.9	6480.3					
649	2.420	6.9	6489.3					
650	2.300	15.9	6497.6					
651	2.360	11.3	6506.6					
652	2.410	7.6	6531.8					
653	2.410	7.6	6538.7					
654	2.420	6.9	6544.1					
655	2.440	5.4	6551.7					
656	2.410	7.6	6563.8					
657	2.350	12.1	6579.7					
658	2.300	15.9	6588.1					
659	2.400	8.3	6594.2					
660	2.430	6.2	6600.4					
661	2.430	6.2	6607.3					
662	2.420	6.9	6617.9					
663	2.370	10.6	6634.6					
664	2.290	16.7	6645.7					
665	2.310	15.2	6660.3					
666	2.370	10.6	6670.1					
667	2.390	9.8	6680.7					
668	2.370	10.6	6690.6					
669	2.300	15.9	6721.5					
670	2.190	24.9	6730.8					
671	2.150	29.2	6738.6					
672	2.340	12.8	6753.2					
673	2.480	2.6	6766.8					
674	2.510	0.6	6770.8					
675	2.560	4.0	6776.3					
676	2.570	3.4	6781.0					
677	2.570	3.4	6781.0					
678	2.570	3.4	6781.0					
679	2.570	3.4	6781.0					
680	2.570	3.4	6781.0					

THE CLEVELAND CLIFFS IRON COMPANY-DEEP P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY		
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD	
680	2.360	11.3	6820.1						
681	2.340	12.8	6822.9						
682	2.290	16.7	6849.6						
683	2.190	24.9	6874.5						
684	2.350	12.1	6886.6						
685	2.420	6.9	6893.5						
686	2.440	5.4	6898.9						
687	2.460	4.0	6903.0						
688	2.420	6.9	6909.9						
689	2.320	14.4	6924.2						
690	2.360	11.3	6935.6						
691	2.410	7.6	6943.2						
692	2.390	9.1	6952.2						
693	2.340	12.8	6955.1						
694	2.250	19.9	6985.0						
695	2.320	14.4	6999.6						
696	2.380	9.8							
697	2.380	9.8	7019.0						
698	2.410	7.6							
699	2.420	6.9	7033.5						
700	2.380	9.8							
701	2.360	11.3	7056.7						
702	2.330	13.8							
703	2.360	11.3	7079.6						
704	2.410	7.6	7087.2						
705	2.430	6.2	7093.4						
706	2.430	6.2	7099.5						
707	2.420	6.9	7106.4						
708	2.430	6.2	7112.6						
709	2.410	7.6	7120.2						
710	2.390	9.1	7129.3						
711	2.420	6.9	7136.2						
712	2.410	7.6	7143.8						
713	2.440	5.4	7149.2						
714	2.440	5.4	7154.7						
715	2.420	6.9	7161.6						
716	2.420	6.9	7168.4						
717	2.420	6.9	7175.3						
718	2.330	11.3	7186.6						
719	2.420	6.9	7193.5						
720	2.460	4.0	7197.6						
721	2.490	1.9	7199.5						
722	2.490	1.9	7201.4						
723	2.430	6.2	7207.6						
724	2.400	8.3	7215.9						
725	2.450	4.7	7220.7						
726	2.450	4.7	7225.4						
727	2.450	4.7							
728	2.450	4.7							
729	2.300	13.8							

KEROGEN ANALYSIS

FOR

THE CLEVELAND CLIFFS-IRON COMPANY-WELL P-3

DEPTH	DENSITY LOG			VELOCITY LOG			DENSITY AND VELOCITY	
	RHO-B	GAL/TON	ACCUM. YIELD	RHO-B	GAL/TON	ACCUM. YIELD	GAL/TON	ACCUM. YIELD
730	2.280	17.5	7269.6					
731	2.340	12.8	7282.4					
732	2.410	7.6	7290.0					
733	2.390	9.1	7299.1					
734	2.350	12.1	7311.2					
735	2.350	12.1	7323.3					
736	2.360	11.3	7334.6					
737	2.330	13.6	7348.2					
738	2.400	8.3	7356.5					
739	2.460	4.0	7360.6					
740	2.480	2.6	7363.2					
741	2.460	4.0	7367.2					
742	2.410	7.6	7374.8					
743	2.420	6.9	7381.7					
744	2.430	6.2	7387.5					
745	2.460	4.0	7391.5					
746	2.460	4.0	7395.5					
747	2.440	5.4	7401.4					
748	2.390	9.1	7410.5					
749	2.360	11.3	7421.8					
750	2.350	12.1	7433.9					
751	2.390	9.1	7443.0					
752	2.290	16.7	7459.7					
753	2.200	24.1	7483.7					
754	2.150	28.4	7512.1					