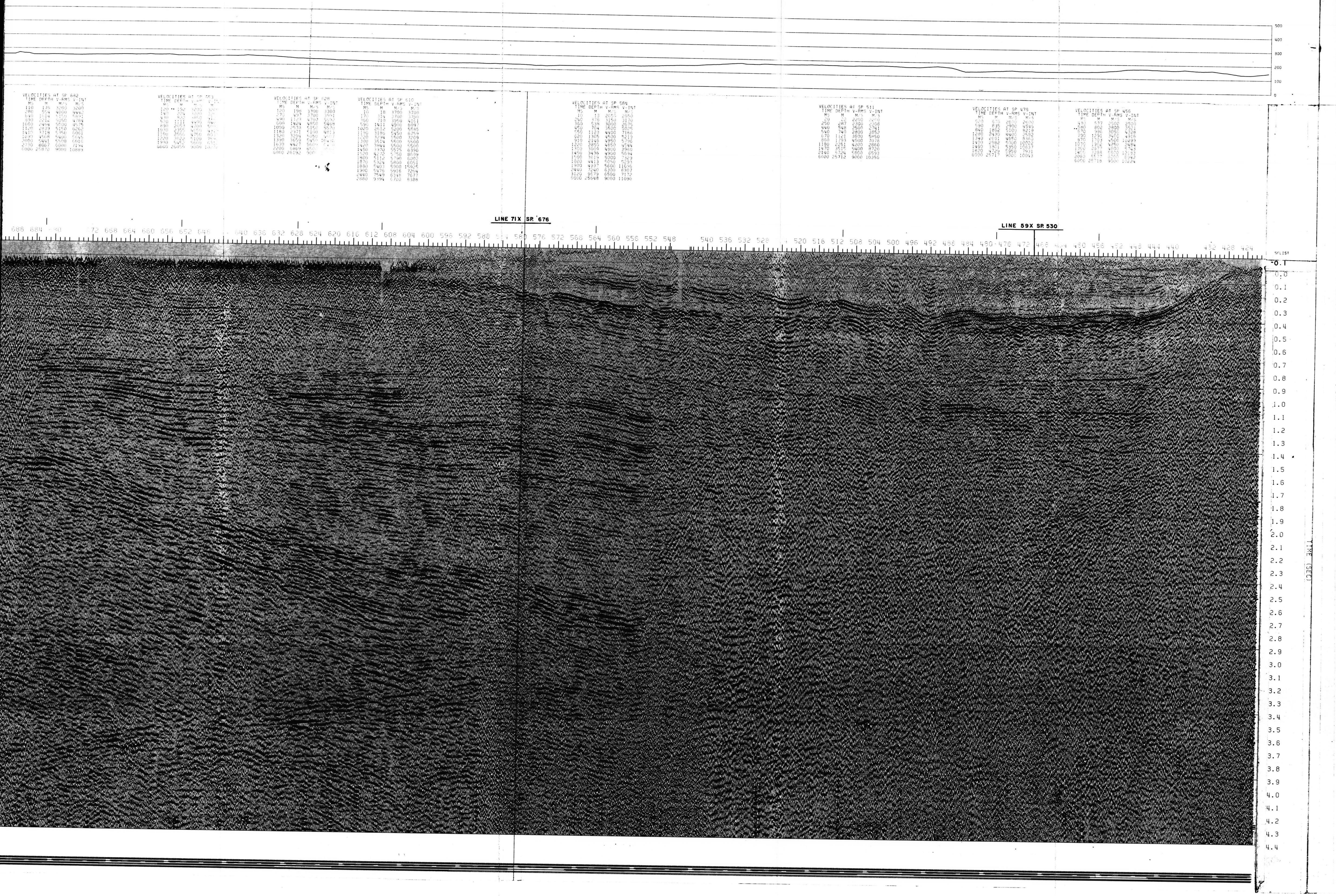


VELOCITIES AT SP 682

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
110	176	3200	3200
280	554	4000	4442
640	1614	5150	5891
890	2212	5050	4784
1000	2464	5000	4575
1120	2839	5150	6262
1410	3718	5350	6061
1690	4508	5400	5645
2000	5441	5500	6016
2730	8067	6000	7194
6000	25870	9000	10889

VELOCITIES AT SP 653

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
120	192	3200	[illegible]
140	224	3200	[illegible]
430	822	3850	[illegible]
520	1111	4400	[illegible]
890	2053	4700	[illegible]
1030	2355	4650	[illegible]
1100	2566	4750	[illegible]
1220	3022	5100	[illegible]
1990	5452	5600	[illegible]
6000	26059	9000	[illegible]

VELOCITIES AT SP 628

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
120	198	3300	3300
270	497	3700	3991
490	1123	4700	5692
600	1424	4850	5468
1000	2538	5150	5570
1180	2971	5100	4813
1320	3294	5050	4607
1390	3659	5450	10436
1630	4427	5600	[illegible]
2200	6869	6500	[illegible]
6000	26192	9000	[illegible]

VELOCITIES AT SP 610

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
10	18	3700	3700
170	314	3700	3700
360	710	3950	4161
590	1411	4900	6097
1020	2612	5200	5585
1190	3186	5450	6759
1220	3294	5500	7209
1300	3514	5500	5500
1420	3844	5500	5500
1450	3970	5575	8390
1520	4272	5750	8609
1800	5112	5790	6002
1870	5324	5800	6051
1880	5403	5900	15925
1900	5476	5916	7264
2440	7549	6348	7677
2880	9394	6700	8388

VELOCITIES AT SP 564

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
10	13	2650	2650
240	378	3150	3170
360	538	3000	2675
450	764	3500	5025
550	1123	4400	7166
620	1305	4500	5219
910	2146	4950	5796
1220	2850	4850	4544
1300	3009	4800	3960
1450	3436	4900	5694
1500	3619	5000	7329
1800	4413	5050	5293
1900	4997	5600	11696
2440	7240	6300	8307
3120	9679	6500	7172
6000	25648	9000	11090

VELOCITIES AT SP 511

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
20	22	2200	2200
250	287	2300	2308
440	548	2500	2741
540	740	2800	3852
670	1121	3600	5850
860	1793	4600	7076
1180	2251	4200	2860
1470	3515	5400	8720
2140	5724	5800	6593
6000	25712	9000	10356

VELOCITIES AT SP 478

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
520	676	2600	2600
590	835	2900	4546
840	1862	5100	8219
1280	2430	4400	2582
1340	2681	4650	8360
1400	2982	5000	10022
1460	3301	5350	10637
1820	4729	5950	7931
6000	25717	9000	10043

VELOCITIES AT SP 456

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
430	537	2500	2500
580	802	2800	3521
670	996	3050	4328
790	1291	3400	4916
870	1703	4500	10299
1030	1902	4250	2484
1300	2677	4600	5743
1400	3286	5500	12193
2060	5577	6000	6942
6000	25718	9000	10224

246-06-06-113

PETRO-CANADA

S. EAST

S.P. **197 - 421** FOLD **12** LINE **82-U-10X/50X**

TWEED LAKE
AREA

96E/96F
LOCATION

PETRO-CANADA EXPLORATION
CLIENT

STATICS NMO SCALE STACK FILT SCALE
PRIMARY DIGITAL PROCESSES

☒ STRUCTURE ☐ FLATTENED

RECORDING DATA

RECORDED BY UNITED GEOPHYSICAL COMPANY OF AMERICA

DATE	MARCH 1982	PARTY NO.	552
ENERGY SOURCE		SWEEP FREQUENCY	
DYNAMITE ☒ VIBROSEIS ☐		SWEEP LENGTH	
OTHER		SAMPLE RATE	2 MS
FIELD INSTRUMENTS	DFS V	RECORD LENGTH	6 SEC.
		GAIN BINARY ☒ FLOATING POINT ☐	
FIELD FILTER	OUT-128 HZ	OTHER	
GROUP INTERVAL	33 M	S.P. INTERVAL	132 M
OFFSET	33 M	CHARGE SIZE	2.25 K
OFF	TRACES 48-49	HOLE DEPTH	13 M
GEOPHONES/TRACE	9	GEOPHONE TYPE	MK28
GEOPHONE INTERVAL	8.25 M	DIRECTION SHOT	NW TO SE

SPREAD 1584-33-X-33-1584

SOURCE CONFIGURATION SINGLE HOLE

DIGITAL PROCESSES

DATE JUNE 1982

DATUM 305 M ABOVE SEA LEVEL

DATUM VELOCITY 6000 M /SEC.

2 EDIT SR 2 MS

1 GAIN RECOVERY

4 STRUCTURAL CORRECTIONS

UPHOLE ELEVATIONS ☐

INTERCEPT METHOD ☒

___ T/ DECON OPER ___ MS

PRE DECON FILTER ___ HZ

POST DECON FILTER ___ HZ

8 **COPARS** SURFACE CONSISTENT RESIDUAL STATICS

WINDOW ___ TO ___ MS

10 COMMON RANGE STACK

5 DOVE VELOCITY SPECTRA

3 SURGICAL MUTES

6 NMO

13 BLSCAL

7 MUTE

___ FLATTENED TO ___

11 STACK 1200 %

___ TRACE EQUALIZATION

___ TRAP

9 TRACE SCALING

12 DIGITAL FILTER

14 DISPLAY PARAMETERS

POLARITY POSITIVE NUMBERS ARE PEAKS NORMAL POLARITY

POSITIVE NUMBERS ARE TROUGHS ___

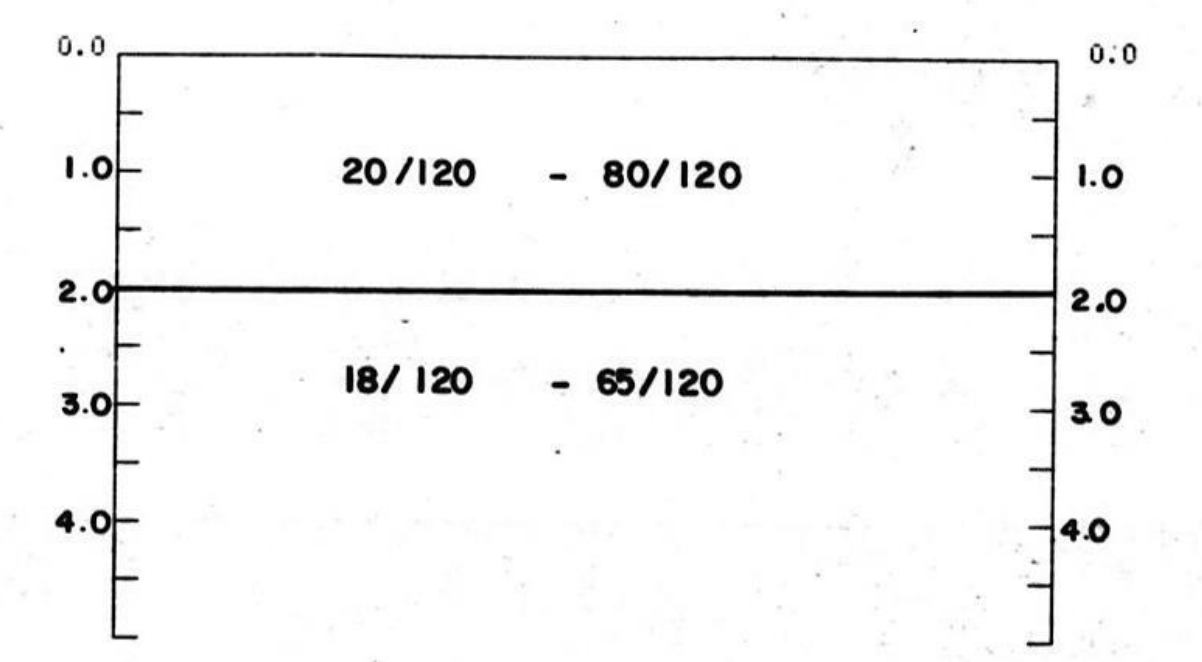
60 TRACES/ INCH

3.75 IN /SECOND

JOB NUMBER 821232

SPACE AND TIME VARIANT DIGITAL FILTER

SHOTPOINTS



REMARKS

HORIZONTAL SCALE
990M

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 246.06.06.113

LINE NO. 82-U-10X

PART NO. 1 **OF** 4

R.R. 8X

V-INT
M/S
3600
5246
[illegible]
[illegible]
5738
5596
8100
[illegible]

VELOCITIES AT SP 941

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
230	402	3500	3500
360	630	3500	3500
780	1623	4800	5682
790	1847	4800	4600
980	2303	4800	4800
1060	2495	4800	4800
1300	3246	5100	6255
1580	4172	5400	6617
4000	13696	7000	7871
6000	25738	9000	12042

VELOCITIES AT SP 915

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
230	391	3400	3400
360	630	3500	3670
790	1830	4750	5585
980	2140	4500	3261
1140	2803	5200	8284
1730	4738	5700	6559
2200	6382	6000	6994
4000	13631	7000	8055
6000	25673	9000	12042

VELOCITIES AT SP 892

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
40	68	3400	3400
300	672	4500	[illegible]
790	1735	4400	[illegible]
1100	2521	4600	[illegible]
1120	2567	4600	[illegible]
1260	2889	4600	[illegible]
1300	2981	4500	[illegible]
1360	3212	4780	[illegible]
1500	3789	5200	[illegible]
2200	6564	6200	[illegible]
4000	13645	7000	[illegible]
6000	25687	9000	[illegible]

VELOCITIES AT SP 871

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
100	160	3200	3200
310	542	3500	3634
740	1671	4600	5252
1000	2269	4600	4600
1120	2545	4600	4600
1260	3024	4900	6842
1280	3073	4900	4900
1360	3269	4900	4900
1520	3952	5400	8540
1960	5573	5900	7371
4000	13646	7000	7914
6000	25687	9000	12042

VELOCITIES AT SP 813

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
1000	2350	4700	4700
1150	2562	4500	2825
1280	2965	4700	6194
1570	3850	4990	6108
1580	3882	5000	6379
2060	5848	5900	8192
2540	7915	6500	8613
4000	13605	7000	7794
6000	25646	9000	12042

VELOCITIES AT SP 787

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
60	126	4200	4200
730	1606	4400	4417
890	2083	4720	5966
980	2372	4900	6414
1000	2421	4900	4900
1120	2715	4900	4900
1410	3425	4900	4900
1570	3817	4900	4900
2060	5212	5100	5694
3000	9359	6500	8823
4000	13520	7000	8322
6000	25561	9000	12042

VELOCITIES AT SP 682

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
110	176	3200	3200
280	554	4000	4442
640	1614	5150	5891
890	2212	5050	4784
1000	2464	5000	4575
1120	2839	5150	6262
1410	3718	5350	6061
1690	4508	5400	5645
2000	5441	5500	6016
2730	8067	6000	7194
6000	25870	9000	10889

VELOCITIES AT SP 653

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
120	192	3200	3200
140	224	3200	[illegible]
430	822	3850	[illegible]
520	1111	4400	[illegible]
890	2053	4700	[illegible]
1030	2355	4650	[illegible]
1100	2566	4750	[illegible]
1220	3022	5100	[illegible]
1990	5452	5600	[illegible]
6000	26059	9000	[illegible]

VELOCITIES AT SP 628

TIME	DEPTH	V-RMS	V-INT
MS	M	M/S	M/S
120	198	3300	3300
270	497	3700	3991
490	1123	4700	5692
600	1424	4850	5468
1000	2538	5150	5570
1180	2971	5100	4813
1320	3294	5050	4607
1390	3659	5450	10436
1630	4427	5600	[illegible]
2200	6869	6500	[illegible]
6000	26192	9000	[illegible]

VELOCITIES AT SP 61

TIME	DEPTH	V-RMS	V-
MS	M	M/S	M
10	18	3700	37
170	314	3700	37
360	710	3950	41
590	1411	4900	60
1020	2612	5200	55
1190	3186	5450	67
1220	3294	5500	72
1300	3514	5500	55
1420	3844	5500	55
1450	3970	5575	83
1520	4272	5750	86
1800	5112	5790	60
1870	5324	5800	60
1880	5403	5900	159
1900	5476	5916	72
2440	7549	6348	76
2880	9394	6700	83

terra surveys ltd

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Telex: 053-3502 Cable: TERRA

PROJ. NO. 246-06-06-113

LINE NO. 82-U-10X

PART NO. 2 **OF** 4

R.R. 8X

VELOCITIES AT SP 1179

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
440	946	4300	4300
560	1204	4300	4300
620	1333	4300	4300
940	1744	3800	2568
1070	2083	4000	5223
1260	2910	5000	8700
2100	5953	6000	7246
3000	9345	6500	7539
6000	25760	9000	10943

VELOCITIES AT SP 1157

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
440	1100	5000	5000
560	1201	4500	1683
630	1323	4400	3499
770	1544	4200	3146
960	2109	4600	5952
1580	3834	5000	5563
3000	9399	6500	7839
6000	25814	9000	10943

VELOCITIES AT SP 1120

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
640	1472	4600	4600
780	1718	4425	3516
960	1992	4200	3038
1240	2748	4500	5404
1300	2981	4700	7754
3000	9435	6500	7594
6000	25850	9000	10943

VELOCITIES AT SP 1094

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
780	1638	4200	4200
980	1877	3900	2394
1180	2507	4400	6300
1460	3485	5000	6983
2000	5285	5500	6667
3000	9355	6500	8139
6000	25769	9000	10943

VELOCITIES AT SP 1038

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
260	474	3650	3650
750	1775	4800	5310
1140	2592	4600	4189
1180	2723	4680	6562
1290	3099	4900	6828
1420	3637	5300	8281
1720	4592	5500	6362
1920	5384	5800	7924
3050	9904	6700	8000
4000	13650	7000	7886
6000	25692	9000	12042

VELOCITIES AT SP 1015

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
260	455	3500	3500
740	1778	4900	5512
1030	2379	4700	4146
1180	2836	4900	6099
1340	3320	5050	6042
1580	4438	5900	9315
2700	8505	6500	7263
4000	13605	7000	7938
6000	25706	9000	12042

VELOCITIES AT SP 993

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
240	444	3700	3700
280	518	3700	3700
760	1696	4500	4907
1060	2471	4700	5172
1230	2601	4400	1529
1540	4027	5700	9197
3000	8627	6000	6301
4000	13317	7000	9381
6000	25359	9000	12042

VELOCITIES AT SP 967

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
240	432	3600	3600
780	1848	4800	5246
980	1935	4300	863
1080	2241	4500	6124
1120	2356	4550	5738
1850	4763	5450	6596
4000	13470	7000	8100
6000	25512	9000	12042

VELOCITIES AT SP 941

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
230	402	3500	3500
360	630	3500	3500
780	1623	4800	5682
790	1847	4800	4800
980	2303	4800	4800
1060	2495	4800	4800
1300	3246	5100	6255
1580	4172	5400	6617
4000	[illegible]	7000	7871
6000	[illegible]	9000	12042

VELOCITIES AT SP 915

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
230	391	3400	3400
360	630	3500	3670
790	1830	4750	5585
980	2140	4500	3261
1140	2803	5200	8284
1730	4738	5700	6559
2200	6382	6000	6994
4000	13631	7000	8055
6000	25673	9000	12042

VELOCITIES AT SP 892

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
40	68	3400	3400
300	672	4500	[illegible]
790	1735	4400	[illegible]
1100	2521	4600	[illegible]
1120	2567	4600	[illegible]
1260	2889	4600	[illegible]
1300	2981	4600	[illegible]
1360	3212	4780	[illegible]
1500	3789	5200	[illegible]
2200	6564	6200	[illegible]
4000	13645	7000	[illegible]
6000	25687	9000	[illegible]

VELOCITIES AT SP 871

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
100	160	3200	3200
310	542	3500	3634
740	1671	4600	5252
1000	2269	4600	4600
1120	2545	4600	4600
1260	3024	4900	6842
1280	3073	4900	4900
1360	3269	4900	4900
1520	3952	5400	8540
1960	5573	5900	7371
4000	13646	7000	7914
6000	25687	9000	12042

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PROJ. NO. 246-06-06-113

LINE NO. 82-U-10X

PART NO. 3 **OF** 4

R.R. 8X

VELOCITIES AT SP 89

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
720	1566	4350	4350
1010	2270	4500	4852
1200	3101	5400	8748
1840	4829	5400	5400
2120	6088	6000	8997
3000	9546	6600	7860
6000	25871	9000	10883

VELOCITIES AT SP 32

TIME MS	DEPTH M	V-RMS M/S	M/S
380	855	4500	4500
660	1485	4500	4500
800	1800	4500	4500
820	1869	4575	6939
1040	2720	5400	7735
1120	2954	5432	5828
1700	4719	5664	6080
2040	5813	5800	6437
3000	9548	6500	7781
6000	25963	9000	10943

VELOCITIES AT SP 1179

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
440	946	4300	4300
560	1204	4300	4300
620	1333	4300	4300
940	1744	3800	2568
1070	2083	4000	5223
1260	2910	5000	8700
2100	5953	6000	7246
3000	9345	6500	7539
6000	25760	9000	10943

VELOCITIES AT SP 1157

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
440	1100	5000	5000
560	1201	4500	1683
630	1323	4400	3499
770	1544	4200	3146
960	2109	4600	5952
1580	3834	5000	5563
3000	9399	6500	7839
6000	25814	9000	10943

VELOCITIES AT SP 1120

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
640	1472	4600	4600
780	1718	4425	3516
960	1992	4200	3038
1240	2748	4500	5404
1300	2981	4700	7754
3000	9435	6500	7594
6000	25850	9000	10943

VELOCITIES AT SP 1094

TIME MS	DEPTH M	V-RMS M/S	V-INT M/S
780	1638	4200	4200
980	1877	3900	2394
1180	2507	4400	6300
1460	3485	5000	6983
2000	5285	5500	6667
3000	9355	6500	8139
6000	25769	9000	10943

JOB = 821232 LINE = L50X
NAME = 1001 DEPT = 0
SEQ = 0232 PART = I
DESC = FINAL NORMAL LINE 10X/50X
DATE = JUNE/24/1982 TIME = 21.06.45
THIS PLOT PRODUCED BY PETROSEIS

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
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Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 246-06-06-113

LINE NO. 82-U-10X

PART NO. 4 **OF** 4

R.R. 8X