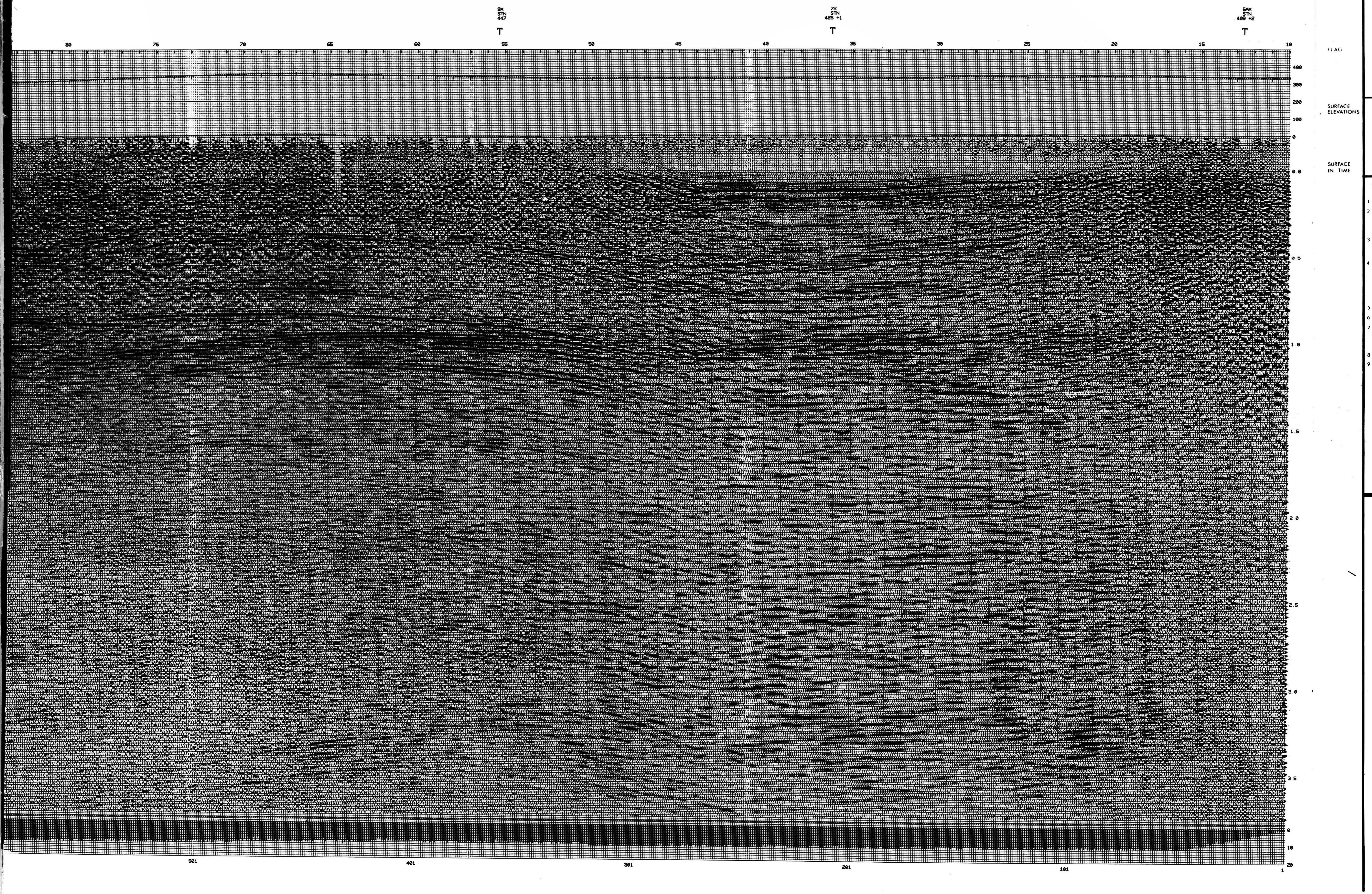
SAMMON:S CREEK LINE 56X



24 C-06-05-115

GEO-X SYSTEMS LTD.
CALGARY ALBERTA

LINE: 82-W-56X TYPE: S- NP
DIRECTION ——> S.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 106H
CLIENT: PETRO-CANADA EXPLORATION INC.

SHOT BY WESTERN GEOPHYSICAL, PTY. 362 DATE 3/82

SPREAD: 1584 m. - 33m. x 33m. - 1584 m.
SOURCE 2 kg at 18 m.
RECEIVERS GEOSPACE 20D, 10 Hz, 9 OVER 53 m.
SOURCE INTERVAL 132 m. GROUP INTERVAL: 33m.

AMPLIFIERS: DFS V FIELD FILTER 8-128 Hz NOTCH:OUT
GAIN MODE IFP TAPE FORMAT: SEG B

PROCESSED AT GEO-X DATE: 6 /82

1 DIGITAL CONVERSION. SAMPLE RATE 2 ms
2 AMPLITUDE RECOVERY Ate⁻¹

PREFILTER
3 DECONVOLUTION. TYPE SPIKING
OPERATOR LENGTH 60 ms. PREWHITENING 1%
DESIGN GATE 400-2400 ms. SLOPING
4 STRUCTURAL CORRECTIONS
DATUM SEA LEVEL DATUM VELOCITY 3506 m./sec
PROCESSING DATUM - 200 ms.
☒ ELEVATIONS ☒ WEATHERING ☒ DRIFT
10 ANALYSIS STATISTICAL SURFACE CONSISTENT STATICS
5 11 MOVEOUT (5) PRELIMINARY (11) FINAL
6 SCALING
7 12 STATICS (7) SURFACE STACK RESIDUAL
(12) CROSS CORRELATION
( )
8 WORK SECTION DISPLAY
9 TRACE KILLS
13 MUTE DISTANCE (m) 314 924 3168
TIME (ms.) 300 550-650 1700
14 GATHER FOLD 12
15 STACK . STACK REEL
16 FILTER (16) 12/16 - 80/90 Hz, 0 - 2500 ms
( ) 12/16 50/60 Hz, 2500 - 4000 ms
( )
17 ADDITIONAL PROCESSING
(17) LINEAR RAMP SCALING
TIME 0-130, 250-1600, 2300, 3000-4000
% SCALE 70, 100, 120, 250
18 EQUALIZATION 400 2400ms

VELOCITY TABULATION FROM PROCESSING DATUM

[redacted] 16345

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

PROJ. NO. 2 4 6 - 0 6 - 0 5 - [illegible] 5
LINE NO. 8 2 - W - 5 6 X
PART NO. 1 OF 2 R.R. 8X

SAMMON:S CREEK LINE 56X STN 10

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
126	2843	445.2	1584	2842	179	2842
236	3251	305.4	1584	3662	380	3225
403	3978	163.5	1584	4821	783	3886
553	4863	88.8	1584	6683	1284	4645
973	4830	53.8	1584	4786	2289	4706
1133	4777	47.5	1584	4441	2644	4668
1460	4794	36.9	1584	4852	3438	4709
1910	4801	28.3	1584	4823	4523	4736
2433	5185	19.1	1584	6394	6195	5093
3100	5523	13.2	1584	6611	8400	5419
4000	5758	9.4	1584	6502	11326	5663

SAMMON:S CREEK LINE 56X STN 24

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
126	2843	445.2	1584	2842	179	2842
236	3251	305.4	1584	3662	380	3225
403	3978	163.5	1584	4821	783	3886
553	4863	88.8	1584	6683	1284	4645
973	4830	53.8	1584	4786	2289	4706
1133	4777	47.5	1584	4441	2644	4668
1460	4794	36.9	1584	4852	3438	4709
1910	4801	28.3	1584	4823	4523	4736
2433	5185	19.1	1584	6394	6195	5093
3100	5523	13.2	1584	6611	8400	5419
4000	5758	9.4	1584	6502	11326	5663

SAMMON:S CREEK LINE 56X STN 36

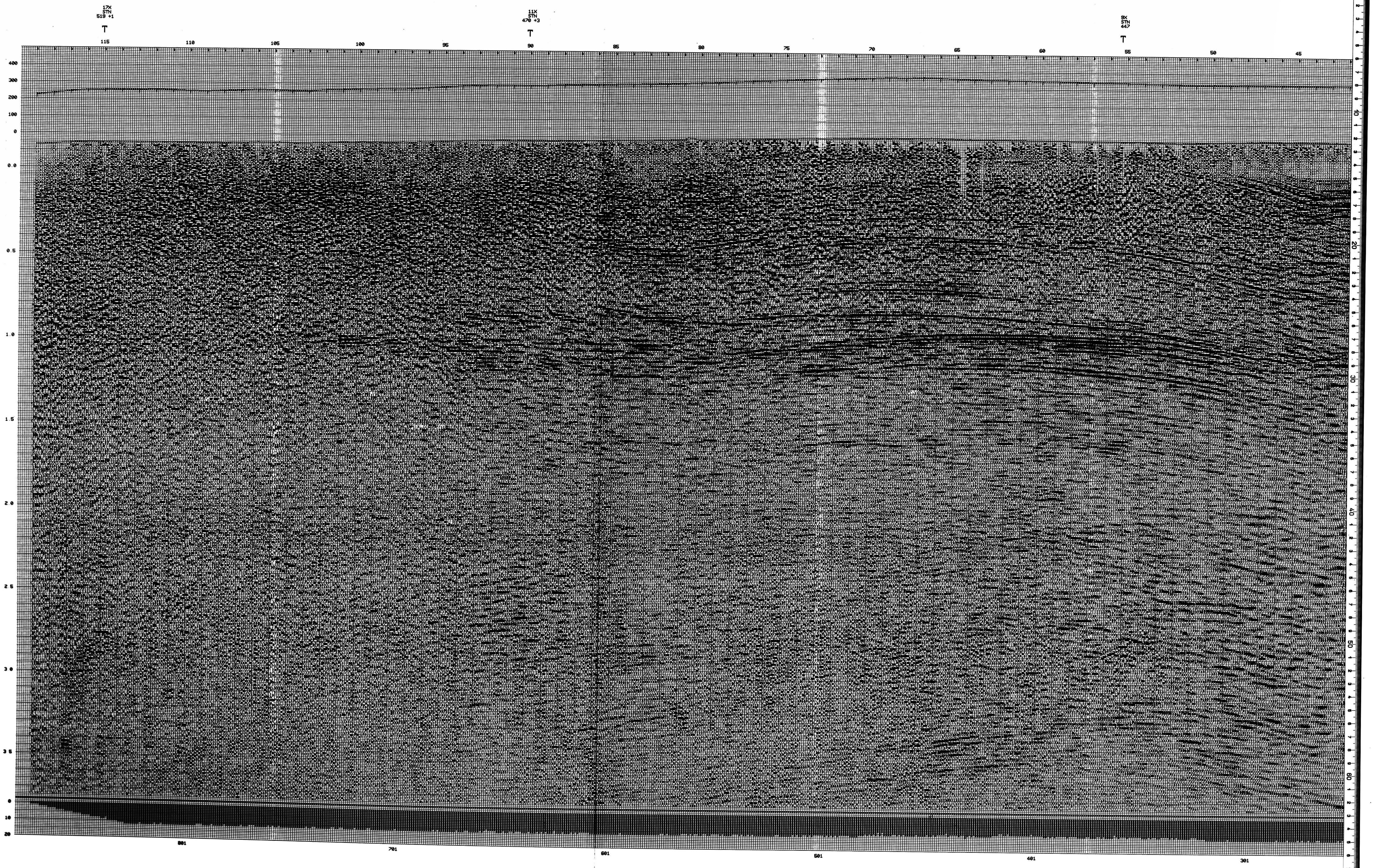
TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
198	2953	373.8	1584	2952	292	2952
306	3618	228.1	1584	4593	540	3532
506	4971	92.0	1584	6518	1192	4712
655	4819	77.8	1584	4262	1509	4610
975	4811	54.1	1584	4794	2276	4670
1155	4770	46.8	1584	4541	2685	4650
1475	4702	38.0	1584	4447	3397	4606
1995	5109	23.9	1584	6117	4987	5000
2457	5440	17.2	1584	6683	6531	5316
3100	5653	12.6	1584	6401	8590	5542
4000	5982	8.8	1584	6997	11739	5869

SAMMON:S CREEK LINE 56X STN 55

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
40	3000	489.5	1584	3000	59	3000
160	4249	245.7	1584	4590	335	4192
280	5213	133.2	1584	6271	711	5083
470	5641	77.5	1584	6218	1302	5542
860	5077	54.8	1584	4300	2140	4979
1050	4986	47.0	1584	4551	2573	4901
1350	4882	38.4	1584	4499	3248	4812
1870	5290	23.8	1584	6225	4866	5205
2400	5571	16.8	1584	6465	6580	5483
3100	5857	11.8	1584	6746	8941	5768
4000	6127	8.3	1584	6977	12081	6040

SAMMON:S CREEK LINE 56X STN 107

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
126	2843	445.2	1584	2842	179	2842
236	3245	306.2	1584	3651	379	3219
400	3970	165.0	1584	4825	775	3878
550	4850	89.7	1584	6649	1274	4634
970	4830	53.9	1584	4803	2283	4707
1130	4770	47.8	1584	4388	2634	4662
1450	4800	37.1	1584	4904	3418	4715
1900	4810	28.3	1584	4842	4508	4745
2430	5180	19.2	1584	6331	6186	5091
3100	5557	13.1	1584	6749	8447	5449
4000	5727	9.6	1584	6277	11272	5636



terra
surveys ltd

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

PROJ. NO. 2 4 6 - 0 6 - 0 5 - [illegible] 5

LINE NO. 8 2 - W - 5 6 X

PART NO. 2 **OF** 2

R.R. 8X