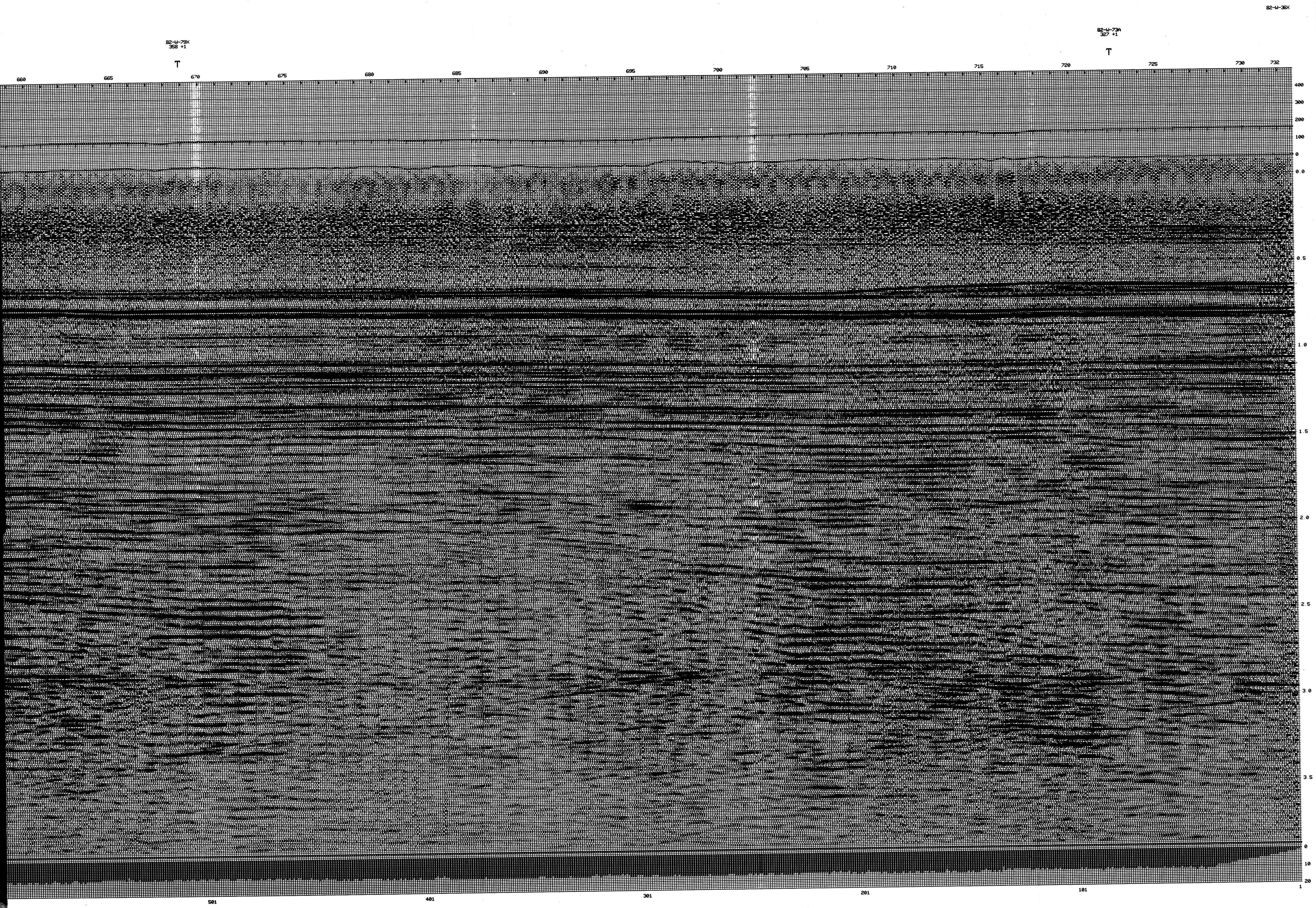

FLAG

SURFACE
ELEVATIONS

SURFACE
IN TIME

24 C-06-05-115

GEO-X SYSTEMS LTD.
CALGARY . ALBERTA

LINE: 82-W-36 X TYPE: S- NP
DIRECTION ——→ S.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 96E
CLIENT: PETRO-CANADA EXPLORATION INC.

SHOT BY WESTERN GEOPHYSICAL , PTY. 362 DATE 2/82

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

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

PROCESSED AT GEO - X DATE : 3/82

1 DIGITAL CONVERSION . SAMPLE RATE 2 ms.
2 AMPLITUDE RECOVERY Ate^(t)

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 -100 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
% SCALER 70 , 100 , 120 , 250
18 EQUALIZATION 400 - 2400ms

VELOCITY TABULATION FROM PROCESSING DATUM

[redacted] 76437

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 - 1 1 5

LINE NO. 8 2 - W - 3 6 X

PART NO. 1 OF 3 R.R. 8X

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PROJ. NO. 246-06-05-15

LINE NO. 82-W-36X

PART NO. 2 OF 3

R.R. 8X

SAMMON:S CREEK 82-W-36X SP 720

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
411	3155	237.8 1584	3155	648	3155
498	3232	200.7 1584	3673	803	3228
756	3564	121.0 1584	4130	1336	3535
886	3698	98.1 1584	4397	1622	3662
1174	4491	51.8 1584	6336	2534	4318
1321	4548	45.1 1584	4979	2900	4391
1469	4561	40.5 1584	4675	3246	4420
1565	4559	38.1 1584	4528	3464	4427
1765	4501	34.7 1584	4018	3865	4380
1969	4497	31.3 1584	4462	4321	4389
4000	5650	9.8 1584	6577	11000	5500

SAMMON:S CREEK 82-W-36X SP 705

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
391	3285	229.8 1584	3285	642	3285
493	3319	193.2 1584	3446	817	3318
755	3500	125.3 1584	3817	1318	3491
870	3573	106.4 1584	4019	1549	3561
1159	4436	53.8 1584	6362	2468	4259
1301	4583	45.1 1584	5641	2869	4410
1431	4627	40.4 1584	5046	3197	4468
1523	4603	38.4 1584	4212	3390	4452
1723	4556	34.7 1584	4180	3808	4421
1931	4564	30.9 1584	4629	4290	4443
4000	5667	9.8 1584	6530	11046	5523

SAMMON:S CREEK 82-W-36X SP 655

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
388	3270	232.6 1584	3270	634	3270
482	3407	187.7 1584	3922	818	3397
708	3635	123.4 1584	4078	1279	3614
809	3573	113.5 1584	3103	1436	3551
1108	4415	56.6 1584	6139	2354	4249
1274	4352	51.0 1584	3905	2678	4204
1368	4355	47.5 1584	4395	2884	4217
1458	4535	41.3 1584	6699	3186	4370
1640	4503	37.3 1584	4237	3572	4356
1859	4541	32.4 1584	4816	4099	4410
4000	5834	9.2 1584	6758	11334	5667

SAMMON:S CREEK 82-W-36X SP 598

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
294	3148	288.8 1584	3148	462	3148
410	3198	233.0 1584	3321	655	3197
606	3281	168.8 1584	3448	993	3278
724	3416	135.8 1584	4038	1231	3402
1034	4410	60.6 1584	6133	2182	4220
1184	4382	54.0 1584	4183	2496	4216
1254	4427	50.0 1584	5128	2675	4267
1304	4459	47.5 1584	5197	2805	4302
1494	4454	41.7 1584	4419	3225	4317
1704	4494	36.1 1584	4768	3726	4373
4000	5947	8.9 1584	6828	11564	5782

SAMMON:S CREEK 82-W-36X SP 588

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
335	3006	289.4 1584	3006	503	3006
494	3082	218.9 1584	3236	760	3080
754	3247	144.1 1584	3539	1220	3238
910	3383	113.4 1584	3975	1530	3364
1220	4248	55.7 1584	6117	2479	4064
1343	4390	47.6 1584	5606	2823	4205
1404	4383	45.8 1584	4225	2952	4206
1445	4375	44.7 1584	4091	3036	4203
1662	4331	39.8 1584	4025	3473	4179
1971	4347	33.4 1584	4432	4158	4219
4000	5834	9.2 1584	6981	11241	5620

SAMMON:S CREEK 82-W-36X SP 575

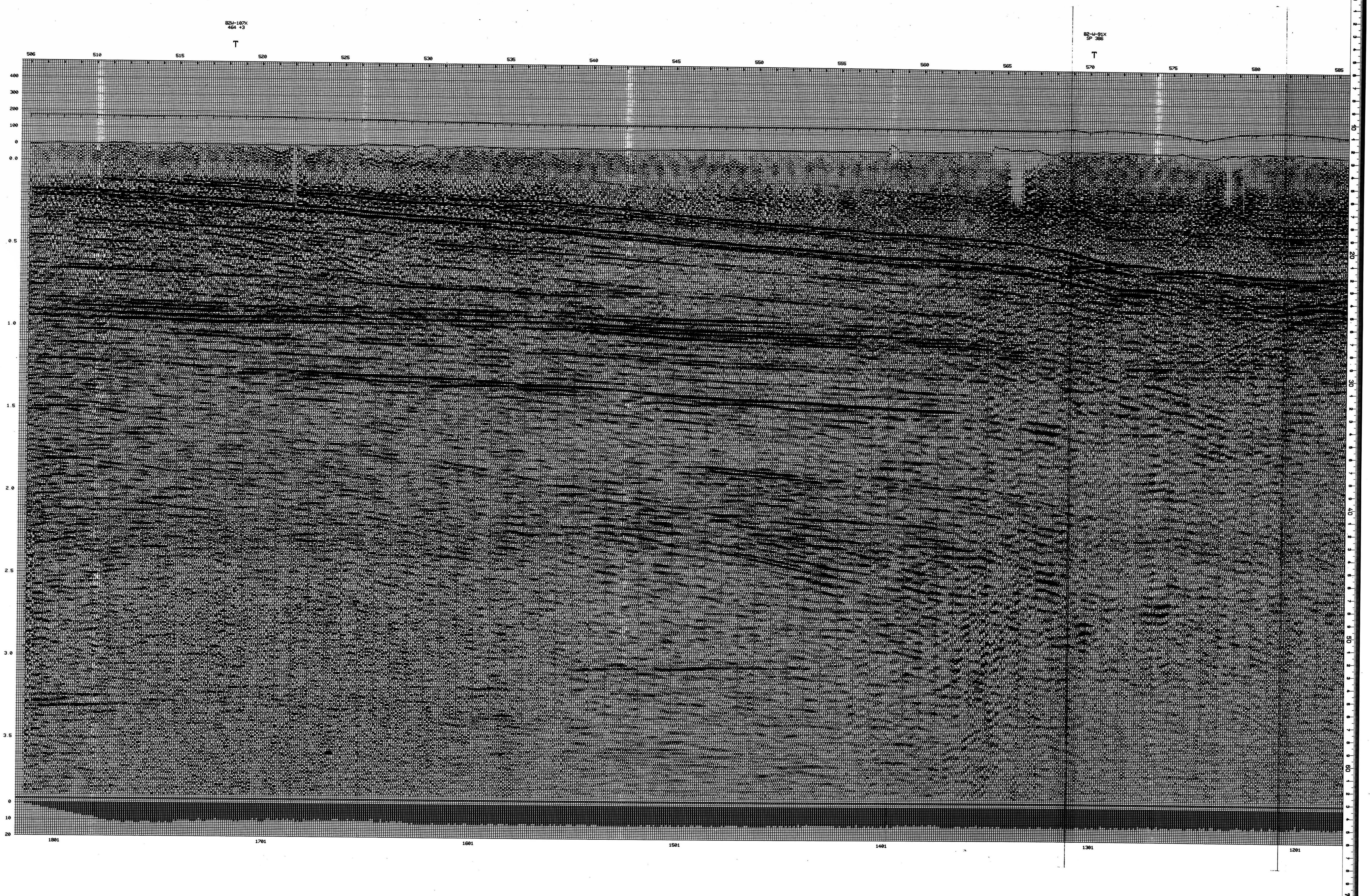
TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
356	2990	282.3 1584	2990	532	2990
505	3199	202.3 1584	3650	804	3184
701	3427	138.7 1584	3954	1191	3399
857	3780	97.0 1584	5071	1587	3704
1201	4787	44.7 1584	6663	2733	4551
1305	4832	40.5 1584	5324	3010	4613
1378	4902	37.4 1584	6017	3229	4687
1431	4881	36.3 1584	4299	3343	4673
1698	5011	29.2 1584	5657	4099	4828
2000	5182	23.2 1584	6054	5013	5013
4000	5923	8.9 1584	6581	11594	5797

SAMMON:S CREEK 82-W-36X SP 560

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
261	3094	313.6 1584	3094	403	3094
380	3262	236.6 1584	3603	618	3253
518	3381	180.4 1584	3688	872	3369
667	3673	127.3 1584	4544	1211	3631
977	4603	58.8 1584	6143	2163	4428
1104	4566	53.2 1584	4270	2434	4410
1196	4540	49.9 1584	4215	2628	4395
1371	4502	44.4 1584	4233	2999	4374
1582	4498	38.7 1584	4471	3470	4387
2000	4760	27.5 1584	5642	4650	4650
4000	5970	8.8 1584	6973	11623	5811

SAMMON:S CREEK 82-W-36X SP 515

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
237	3489	275.1 1584	3489	413	3489
330	3438	236.7 1584	3304	567	3436
769	5376	54.5 1584	6460	1985	5163
988	5096	47.7 1584	3958	2418	4896
1058	5032	45.8 1584	4021	2559	4838
1243	4951	40.5 1584	4459	2972	4781
1357	4929	37.5 1584	4682	3238	4773
2000	5213	23.0 1584	5766	5092	5092
4000	6053	8.6 1584	6789	11882	5941



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LINE NO. 82-W-36X

PART NO. 3 **OF** 3

R.R. 3X