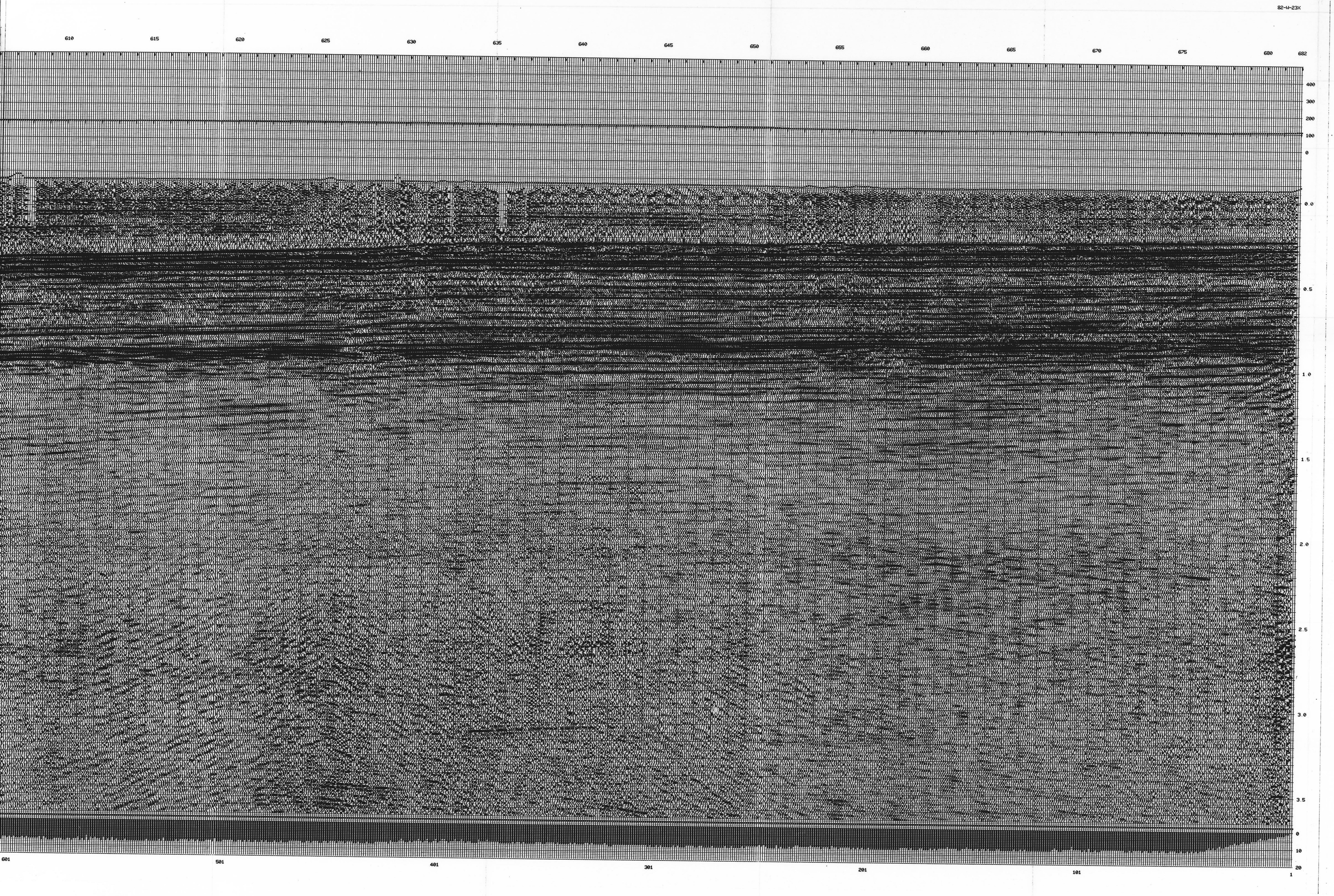

FLAG

SURFACE ELEVATIONS

SURFACE IN TIME

24 C-06-05-115

GEO-X SYSTEMS LTD.
CALGARY ALBERTA

LINE: 82-W-23X TYPE: S-NP
DIRECTION → N. E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 106 H
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 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 -250 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
NEAR 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]

4P338

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Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 246-06-05-115

LINE NO. 82-W-23X

PART NO. 1 OF 3

R.R. 8X

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LINE NO. 82-W-23X

PART NO. 2 **OF** 3

R.R. 8X

SAMMON:S CREEK 82-W-23X SP 670

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
348	1898	556.2	1584	1898	330	1898
388	2507	353.5	1584	5442	439	2263
498	2813	253.7	1584	3695	642	2579
550	3304	179.6	1584	6299	806	2931
974	4557	60.2	1584	5791	2033	4176
1092	4656	51.8	1584	5404	2352	4309
1220	4570	48.3	1584	3757	2593	4251
1489	4518	40.7	1584	4274	3168	4255
1906	4800	28.4	1584	5694	4355	4570
4000	5625	9.9	1584	6282	10933	5466

SAMMON:S CREEK 82-W-23X SP 630

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
372	2569	348.1	1584	2569	477	2569
442	3002	246.3	1584	4672	641	2902
583	3545	151.5	1584	4869	984	3377
648	3600	135.3	1584	4060	1116	3446
1040	4491	58.2	1584	5664	2226	4282
1157	4414	54.4	1584	3659	2440	4219
1287	4373	50.0	1584	3989	2700	4196
1593	4312	41.8	1584	4045	3319	4167
2020	4476	30.8	1584	5040	4395	4351
4000	5625	9.9	1584	6594	10923	5461

SAMMON:S CREEK 82-W-23X SP 590

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
312	2401	417.8	1584	2401	374	2401
576	2912	216.3	1584	3418	825	2867
737	3290	143.3	1584	4383	1178	3198
821	3357	125.9	1584	3895	1342	3269
1172	4333	55.7	1584	6027	2400	4095
1297	4311	51.0	1584	4098	2656	4096
1399	4343	46.8	1584	4731	2897	4142
1886	4340	35.0	1584	4331	3952	4191
2297	4453	27.4	1584	4938	4967	4324
4000	5538	10.2	1584	6729	10697	5348

SAMMON:S CREEK 82-W-23X SP 570

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
305	1912	577.8	1584	1912	291	1912
644	3780	124.3	1584	4884	1119	3476
842	3827	96.2	1584	3976	1513	3593
932	4220	72.7	1584	6884	1822	3911
1218	4965	41.1	1584	6852	2802	4602
1345	4898	38.3	1584	4201	3069	4564
1488	4865	35.2	1584	4542	3394	4562
1980	4792	27.4	1584	4564	4517	4562
2280	4903	22.8	1584	5580	5354	4696
4000	5654	9.8	1584	6517	10959	5479

SAMMON:S CREEK 82-W-23X SP 545

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
168	3012	384.1	1584	3012	253	3012
280	3623	239.2	1584	4382	498	3560
624	4645	87.1	1584	5334	1415	4538
872	5110	53.5	1584	6125	2175	4989
1142	5211	39.8	1584	5524	2921	5116
1738	4934	29.4	1584	4354	4218	4854
2176	5125	21.8	1584	5821	5493	5049
4000	5963	8.8	1584	6829	11722	5861

SAMMON:S CREEK 82-W-23X SP 520

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
280	3169	292.9	1584	3169	443	3169
372	3252	240.9	1584	3492	604	3249
733	4824	70.2	1584	6029	1692	4618
1044	5166	44.1	1584	5894	2609	4998
1328	4974	37.6	1584	4193	3204	4826
1833	4866	28.7	1584	4569	4358	4755
2418	5054	20.2	1584	5602	5997	4960
4000	5747	9.5	1584	6668	11271	5635

SAMMON:S CREEK 82-W-23X SP 500

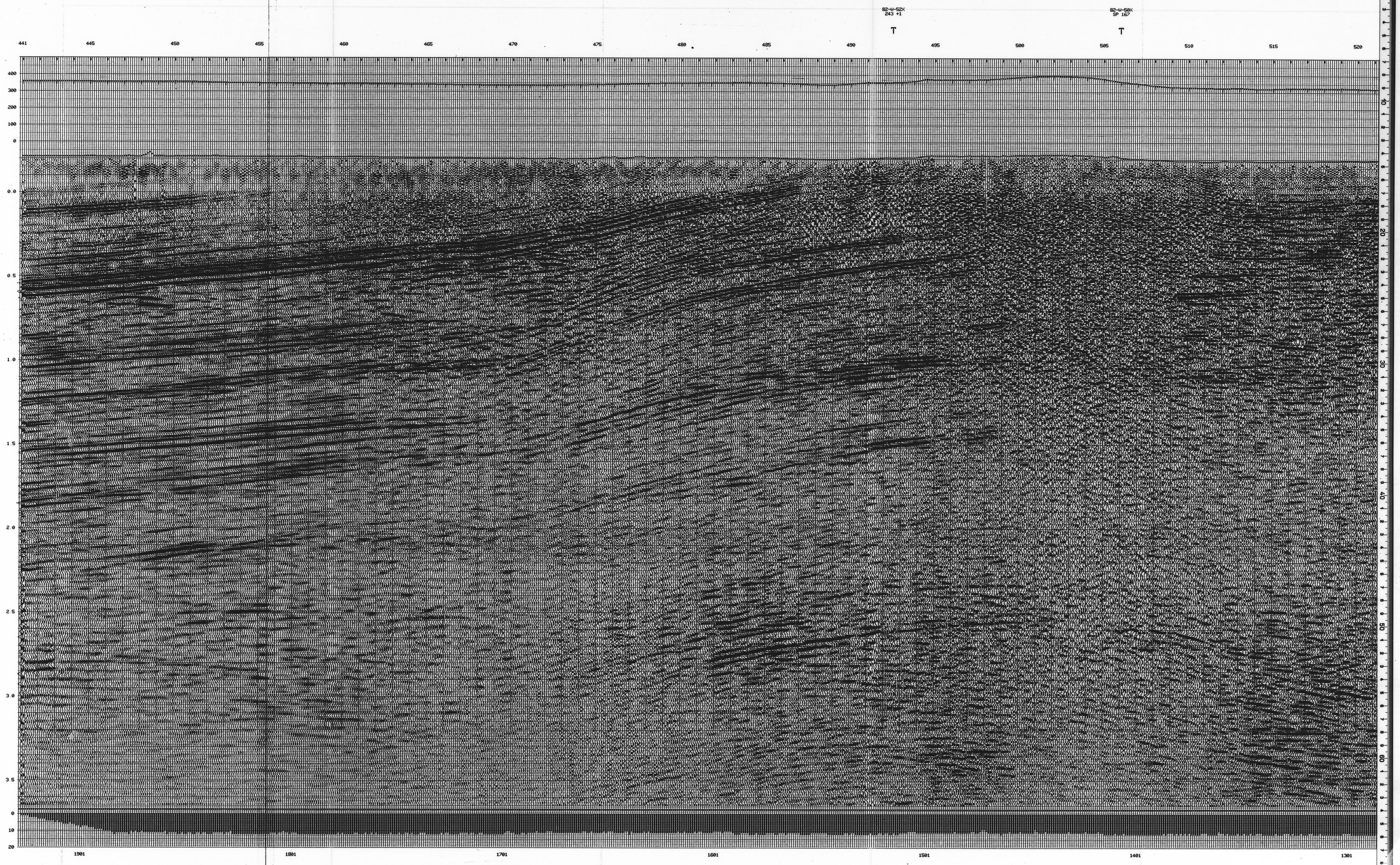
TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
58	3109	454.8	1584	3109	90	3109
148	3657	309.7	1584	3970	268	3632
452	4821	106.8	1584	5295	1073	4751
662	4684	81.4	1584	4374	1533	4631
1075	4528	55.5	1584	4266	2414	4491
1570	4634	36.8	1584	4856	3615	4606
2582	5402	16.6	1584	6413	6861	5314
4000	5647	9.8	1584	6067	11163	5581

SAMMON:S CREEK 82-W-23X SP 467

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
142	2897	422.9	1584	2897	205	2897
347	3145	264.6	1584	3305	544	3138
519	3296	188.3	1584	3581	852	3285
589	3474	155.9	1584	4582	1012	3439
983	4878	52.2	1584	6428	2279	4637
1242	5139	37.7	1584	6027	3059	4927
1582	5075	30.5	1584	4834	3881	4907
2150	5106	22.3	1584	5191	5356	4982
2856	5015	17.4	1584	4727	7024	4919
4000	5585	10.0	1584	6802	10915	5457

SAMMON:S CREEK 82-W-23X SP 450

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
283	3112	299.4	1584	3112	440	3112
505	3357	186.1	1584	3645	845	3346
685	3562	131.7	1584	4082	1212	3539
755	3651	115.8	1584	4428	1367	3622
1175	4783	45.8	1584	6327	2696	4589
1383	4952	36.5	1584	5815	3301	4773
1713	4918	30.0	1584	4772	4088	4773
2273	5044	21.6	1584	5411	5603	4930
2934	5302	15.2	1584	6106	7621	5195
4000	5718	9.6	1584	6731	11209	5604



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PART NO. 3 OF 3

R.R. 8X