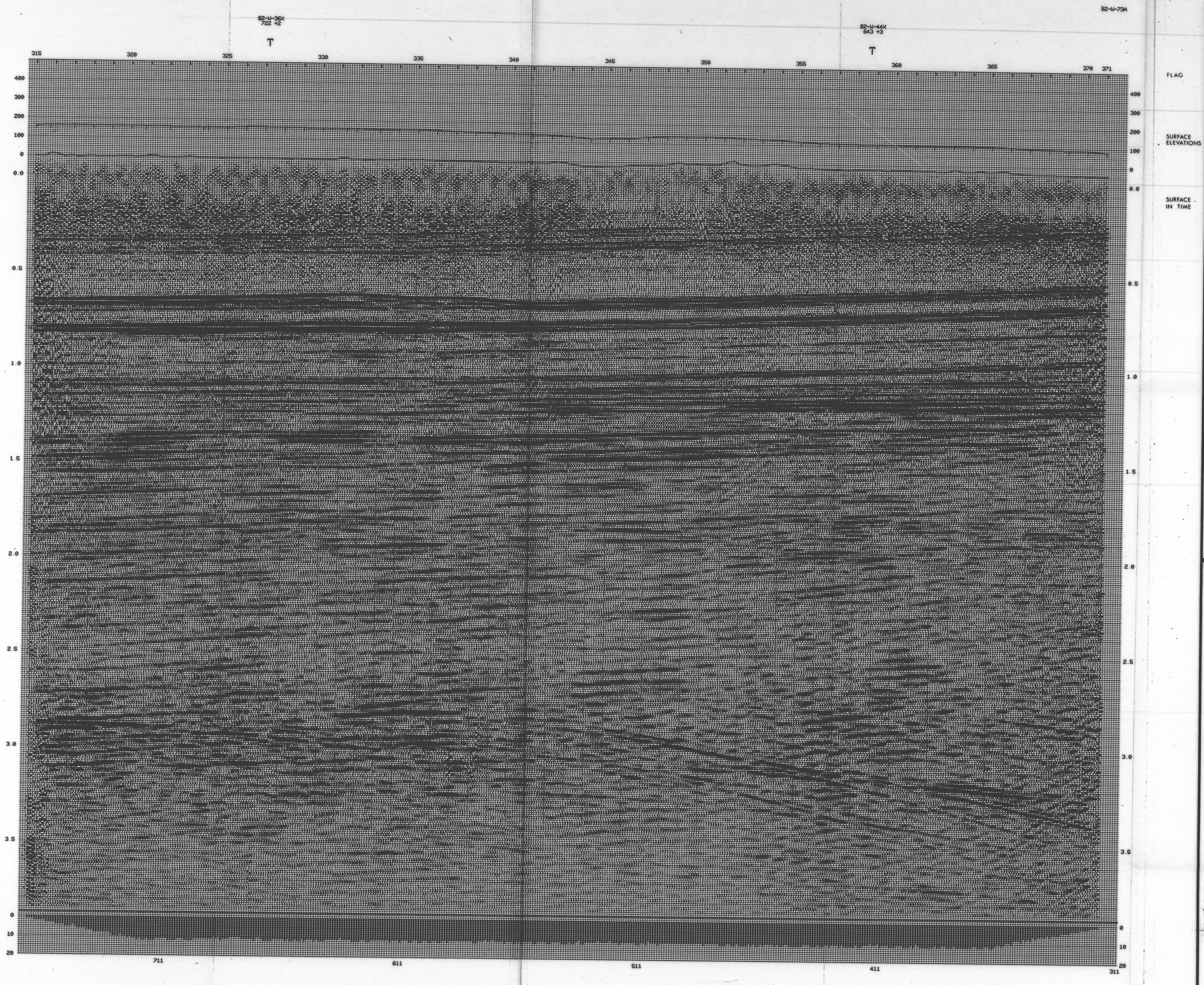

246-06-05-115

GEO-X SYSTEMS LT[redacted]
CALGARY . ALBE

ed402

LINE: 82-W-73A TYPE: S-NP
DIRECTION ⟶ N.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS
CLIENT: PETRO-CANADA EXPLORATION

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^{bt}

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 400-2400 ms

VELOCITY TABULATION FROM PROCESSING DATUM

SAMMON:S CREEK 82-W-73A SP 365

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
315	3000	299.8	1584	3000	472	3000
375	2965	277.7	1584	2774	555	2963
673	3392	146.1	1584	3862	1131	3361
769	3460	126.0	1584	3903	1318	3429
1065	4614	54.0	1584	6745	2316	4351
1172	4624	49.0	1584	4722	2569	4384
1270	4574	46.4	1584	3927	2761	4349
1398	4549	42.7	1584	4293	3036	4344
1603	4608	36.4	1584	4991	3548	4427
1767	4653	32.5	1584	5071	3964	4487
1953	4628	29.8	1584	4383	4371	4477
4000	5500	10.4	1584	6219	10737	5368

SAMMON:S CREEK 82-W-73A SP 345

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
351	3035	278.0	1584	3035	532	3035
437	3207	222.5	1584	3829	697	3191
742	3554	123.6	1584	3999	1307	3523
844	3594	108.1	1584	3872	1504	3565
1145	4558	51.6	1584	6542	2489	4348
1237	4584	47.4	1584	4896	2714	4389
1327	4632	43.4	1584	5247	2950	4447
1446	4651	39.6	1584	4857	3239	4481
1627	4613	35.8	1584	4297	3628	4460
1808	4641	31.9	1584	4885	4070	4503
1980	4637	29.3	1584	4594	4465	4511
4000	5500	10.4	1584	6230	10759	5379

SAMMON:S CREEK 82-W-73A SP 335

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
381	3242	238.6	1584	3242	617	3242
463	3229	211.5	1584	3167	747	3228
737	3519	126.6	1584	3961	1290	3501
861	3622	104.7	1584	4182	1549	3599
1165	4519	51.6	1584	6411	2523	4332
1263	4456	49.1	1584	3624	2701	4277
1345	4428	46.8	1584	3971	2864	4259
1458	4380	44.2	1584	3761	3076	4220
1630	4429	38.8	1584	4824	3491	4284
1825	4430	34.7	1584	4438	3924	4300
2002	4425	31.8	1584	4373	4311	4307
4000	5500	10.4	1584	6398	10703	5351

SAMMON:S CREEK 82-W-73A SP 320

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
420	3132	237.4	1584	3132	657	3132
490	3074	221.1	1584	2699	752	3070
760	3438	128.7	1584	4015	1294	3405
900	3729	95.2	1584	5022	1645	3657
1190	4527	50.4	1584	6398	2573	4325
1290	4464	47.9	1584	3631	2755	4271
1370	4517	44.2	1584	5298	2967	4331
1480	4534	40.7	1584	4740	3227	4362
1640	4735	33.8	1584	6297	3731	4550
1840	4615	31.7	1584	3478	4079	4434
2020	4644	28.6	1584	4930	4523	4478
4000	5500	10.4	1584	6253	10714	5357

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Telex: 053-3502 Cable: TERRA

PROJ. NO. 2 4 6 - 0 6 - 0 5 - 1 1 5

LINE NO. 8 2 - W - 7 3 A

PART NO. 1 OF 1

R.R. 8X