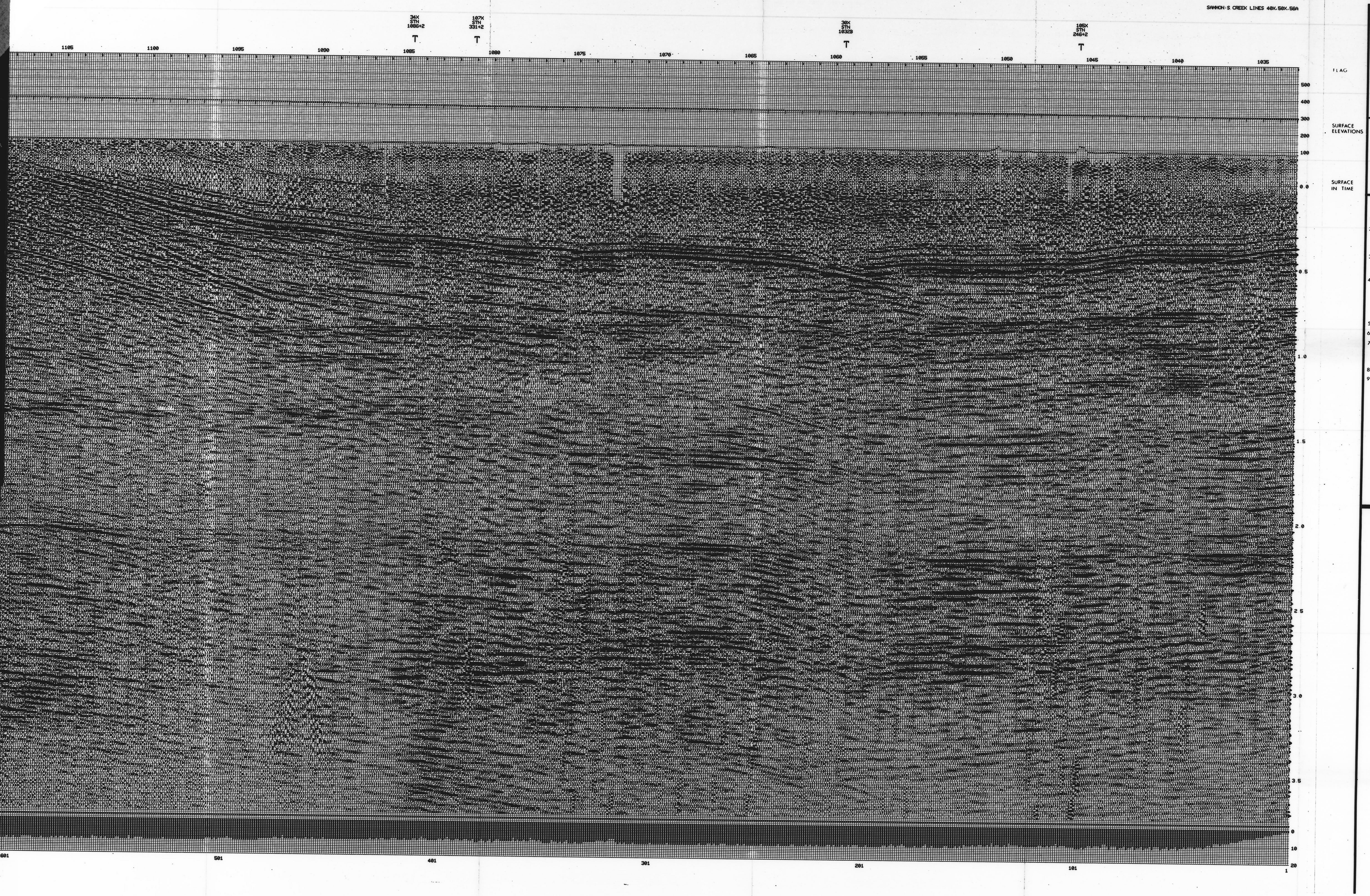

24 C-06-05-115

GEO-X SYSTEMS LTD.
CALGARY ALBERTA

LINE: 82-W-40X/50X/56A TYPE: S-NP
DIRECTION ——> S.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 96E/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^-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 - 200ms.
☒ 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
( ) 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]

76413

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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-40X

PART NO. 1 OF 5

R.R. 8X

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LINE NO. 82-W-40X

PART NO. 2 **OF** 5

R.R. 8X

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PROJ. NO. 246-06-05-115 **LINE NO.** 82-W-40X **PART NO.** 3 **OF** 5 R.R. 8X

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PROJ. NO. 246-06-05-115

LINE NO. 82-W-40X

PART NO. 4 **OF** 5

R.R. 8X

SAMMON:S CREEK LINE 40X STN 1033

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
500	3300	193.1	1584	3299	824	3299
630	3500	145.7	1584	4181	1096	3481
960	4700	57.4	1584	6393	2151	4482
1360	4640	42.2	1584	4492	3050	4485
1670	4610	35.0	1584	4476	3744	4483
2120	4590	27.9	1584	4515	4759	4490
2430	4880	21.6	1584	6526	5771	4750
3100	5200	14.9	1584	6224	7856	5068
4000	5500	10.4	1584	6427	10748	5374

SAMMON:S CREEK LINE 40X STN 1078

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
500	3200	203.6	1584	3200	799	3200
620	3400	155.5	1584	4130	1047	3380
940	4690	58.8	1584	6497	2087	4441
1280	4640	44.7	1584	4498	2852	4456
1580	4615	36.9	1584	4506	3528	4466
2070	4590	28.6	1584	4508	4632	4476
2360	4860	22.4	1584	6467	5570	4720
3100	5300	14.4	1584	6507	7978	5147
4000	5550	10.2	1584	6336	10829	5414

SAMMON:S CREEK LINE 40X STN 1111

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
200	3000	364.6	1584	3000	299	3000
310	3600	228.2	1584	4489	546	3528
690	5390	60.0	1584	6494	1780	5162
870	5220	51.4	1584	4509	2186	5027
1280	5000	38.6	1584	4497	3108	4857
1660	4890	31.3	1584	4499	3963	4775
2340	5408	18.3	1584	6501	6174	5277
3100	5700	12.4	1584	6517	8650	5581
4000	5885	9.0	1584	6481	11567	5783

SAMMON:S CREEK LINE 40X STN 1125

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
140	4127	268.5	1584	4499	284	4071
380	5600	93.7	1584	6302	1041	5480
610	5200	71.8	1584	4461	1554	5095
1040	4990	47.4	1584	4675	2559	4922
1310	4890	39.5	1584	4484	3164	4831
2110	5280	21.2	1584	5862	5510	5222
2700	5500	15.3	1584	6223	7346	5441
4000	5890	9.0	1584	6627	11653	5826

SAMMON:S CREEK LINE 56A STN 183

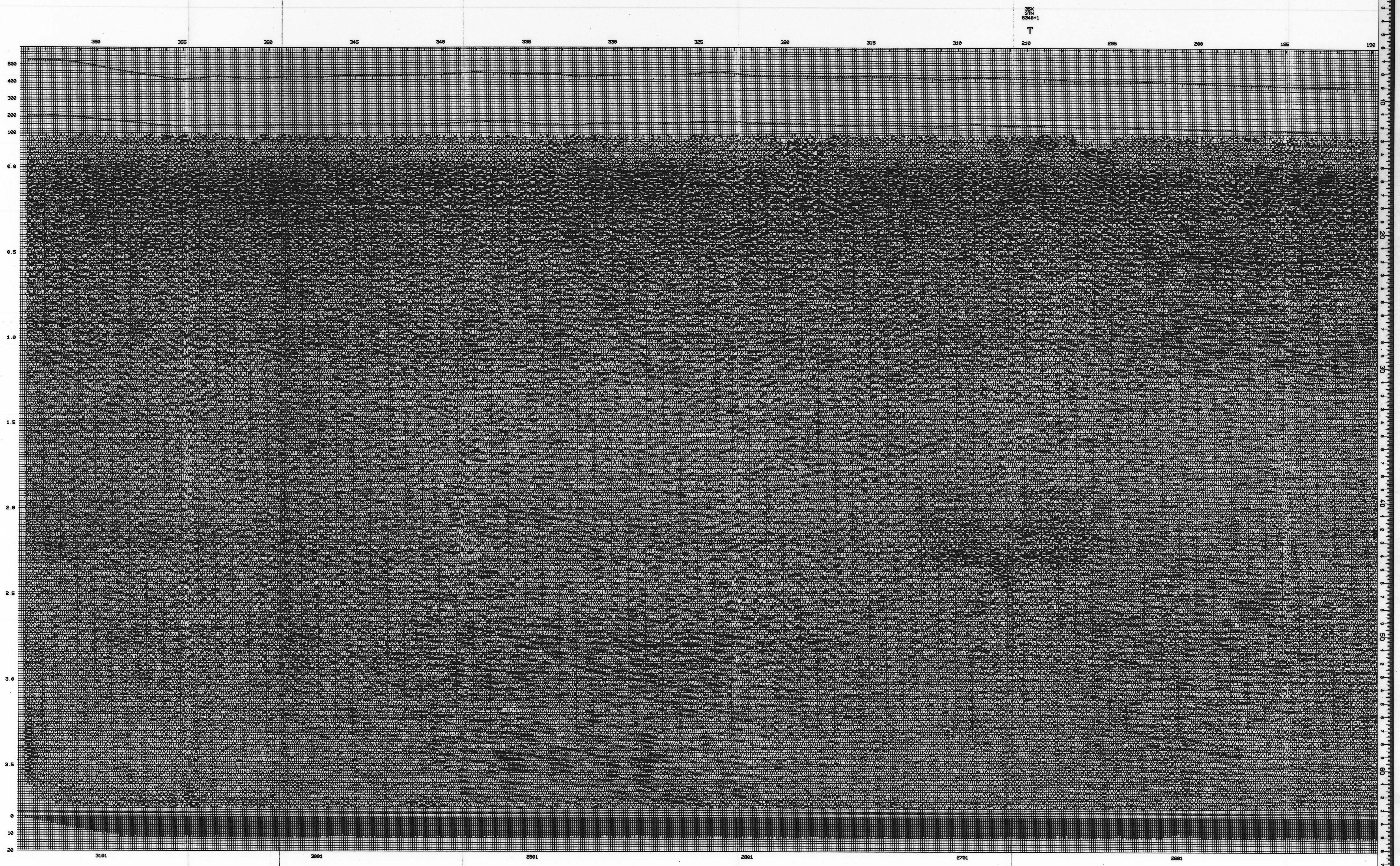
TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
40	3000	489.5	1584	3000	59	3000
140	4127	268.5	1584	4499	284	4071
380	5600	93.7	1584	6302	1041	5480
610	5200	71.8	1584	4461	1554	5095
1040	4990	47.4	1584	4675	2559	4922
1310	4890	39.5	1584	4484	3164	4831
2110	5280	21.2	1584	5862	5510	5222
2700	5500	15.3	1584	6223	7346	5441
4000	5890	9.0	1584	6627	11653	5826

SAMMON:S CREEK LINE 50X STN 35

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
120	3000	421.5	1584	3000	179	3000
230	3800	246.1	1584	4513	428	3723
530	5290	78.7	1584	6194	1357	5122
890	4970	55.3	1584	4457	2159	4853
1160	4870	44.7	1584	4524	2770	4776
1660	4760	33.0	1584	4494	3894	4691
2200	5240	20.7	1584	6497	5648	5134
3700	5600	10.8	1584	6089	10215	5521
4000	5750	9.5	1584	7352	11318	5659

SAMMON:S CREEK LINE 50X STN 87

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE		INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
0	2500	633.6	1584	2500	0	2500
140	3000	406.2	1584	3000	209	3000
180	3800	274.0	1584	5786	325	3619
420	5300	95.5	1584	6190	1068	5088
730	5200	61.0	1584	5061	1853	5077
1080	4800	49.3	1584	3833	2524	4674
1300	4850	40.4	1584	5088	3083	4744
2100	5250	21.6	1584	5841	5420	5162
2700	5500	15.3	1584	6297	7309	5414
4000	5700	9.6	1584	6094	11271	5635



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PROJ. NO. 246-06-05-115

LINE NO. 82-W-40X

PART NO. 5 OF 5

R.R. 8X