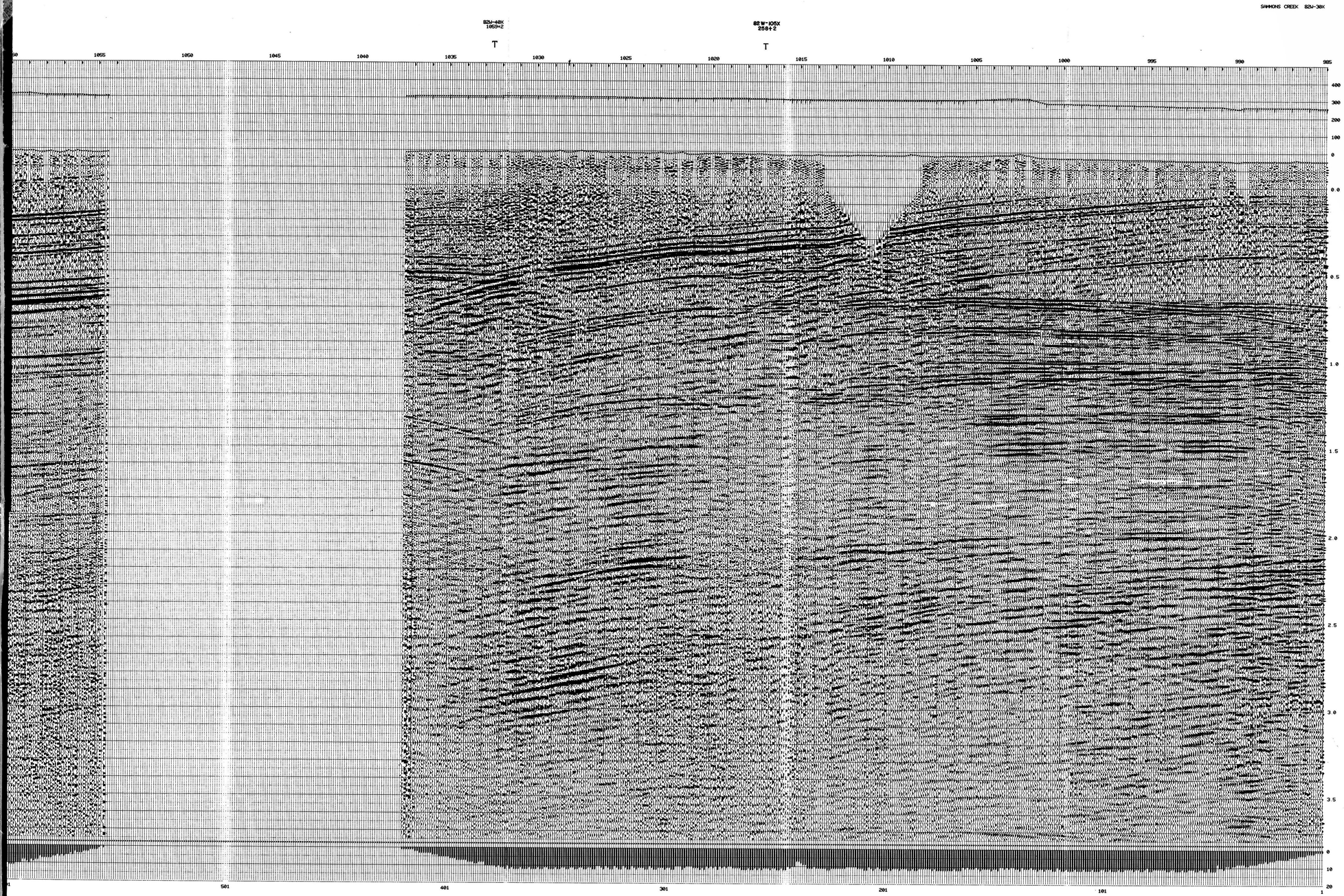
240-06-05-115

SAMMONS CREEK 82H-38X

82H-48X 1853HZ

82W-105X 2561Z



GEO-X SYSTEMS LTD. CALGARY ALBERTA

LINE: 82-W-30X TYPE: S-NP
DIRECTION → N.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 96 E
CLIENT: PETRO-CANADA EXPLORATION INC.

FLAG

SURFACE ELEVATIONS

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

SPREAD : 1584 m. - 33m. x 33m. - 1584 m.
SOURCE : 2 kg. at 18m.
RECEIVERS : GEOSPACE 200, 10Hz, 9 OVER 33 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

SURFACE IN TIME

PROCESSED AT GEO-X DATE : 6/82

1 DIGITAL CONVERSION : SAMPLE RATE 2 ms.
2 AMPLITUDE RECOVERY At^2

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 : 800 ms.
[X] ELEVATIONS [X] WEATHERING [X] 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.) 300 590-650 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- 75, 100, 120, 250.
16 EQUALIZATION : 400-2400ms

VELOCITY TABULATION FROM PROCESSING DATUM
SAMMON'S CREEK: 82H-38X SP 998

TWO WAY TIME	RMS VELOCITY	X-DISTANCE	DELTA-T AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
25	2945	536.3	1584	2945	35	2945
87	2966	458.9	1584	2999	128	2968
193	3113	398.6	1584	3241	298	3118
292	3618	295.5	1584	4642	483	3613
462	4222	230.6	1584	5048	724	3912
712	4772	173.6	1584	5690	1046	4398
965	5093	46.9	1584	6258	1441	4809
1307	5121	36.1	1584	6892	1876	5012
1759	5488	27.5	1584	6989	2381	5306
2258	5677	21.6	1584	6948	2904	5513
3500	5800	16.6	1584	6913	3961	5692

SAMMON'S CREEK 82H-38X SP 1027

TWO WAY TIME	RMS VELOCITY	X-DISTANCE	DELTA-T AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
87	2852	482.6	1584	2852	125	2852
181	2991	379.7	1584	3079	270	2969
293	3337	303.8	1584	3582	467	3196
443	3627	182.5	1584	4674	761	3416
593	3804	43.9	1584	4826	1161	3611
1177	4876	42.3	1584	4781	2794	4245
1551	4838	34.2	1584	4379	3612	4459
1875	4859	27.0	1584	5591	4584	4804
2375	5159	19.8	1584	5848	5982	5054
3500	5328	12.6	1584	5644	9141	5223

SAMMON'S CREEK 82H-38X SP 1070

TWO WAY TIME	RMS VELOCITY	X-DISTANCE	DELTA-T AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
187	2963	397.0	1584	2963	267	2963
276	3191	247.1	1584	3486	496	3175
395	3451	148.3	1584	3682	1000	3363
587	3458	142.3	1584	2715	1220	3304
1181	4348	54.9	1584	4701	2468	4108
1430	4722	39.8	1584	6195	3417	4585
1958	5245	27.2	1584	6449	4899	5005
2258	5303	19.7	1584	5668	5749	5110
2863	5364	16.4	1584	5623	6918	5196
3500	5400	12.3	1584	5543	9230	5274

SAMMON'S CREEK 82H-38X SP 1102

TWO WAY TIME	RMS VELOCITY	X-DISTANCE	DELTA-T AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
28	2958	534.6	1584	2958	28	2958
93	3084	426.9	1584	3153	148	3081
242	3439	293.6	1584	3638	413	3419
395	3646	282.4	1584	3695	696	3604
644	3961	181.6	1584	4468	1090	3923
844	4094	99.6	1584	5431	1612	4235
1159	4298	59.6	1584	5431	2412	4596
1734	4660	31.9	1584	5531	3948	4886
2212	4863	23.9	1584	5537	5316	4986
2782	5071	18.8	1584	5919	6766	5148
3500	5333	12.6	1584	6137	9215	5305

SAMMON'S CREEK 82H-38X SP 1129

TWO WAY TIME	RMS VELOCITY	X-DISTANCE	DELTA-T AT VELOCITY	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
168	3139	363.8	1584	3139	263	3139
436	3322	211.5	1584	3442	714	3323
624	3442	192.3	1584	3682	1064	3413
946	3676	188.9	1584	3924	1587	3585
1246	3911	98.8	1584	4548	2135	3769
1562	4894	58.3	1584	5857	2788	4098
2120	5175	22.0	1584	5913	5316	4915
2388	5223	19.0	1584	6048	6566	5123
2784	5341	16.8	1584	5712	7954	5211
3500	5476	11.9	1584	5971	9382	5367

7645

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

PROJ. NO. 246-06-05-115
LINE NO. 82-W-30X
PART NO. 1 OF 2
R.R. 8X

terra surveys ltd.
2060 Walkley Rd. Ottawa, Ont.
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Tel. (613) 731-9571
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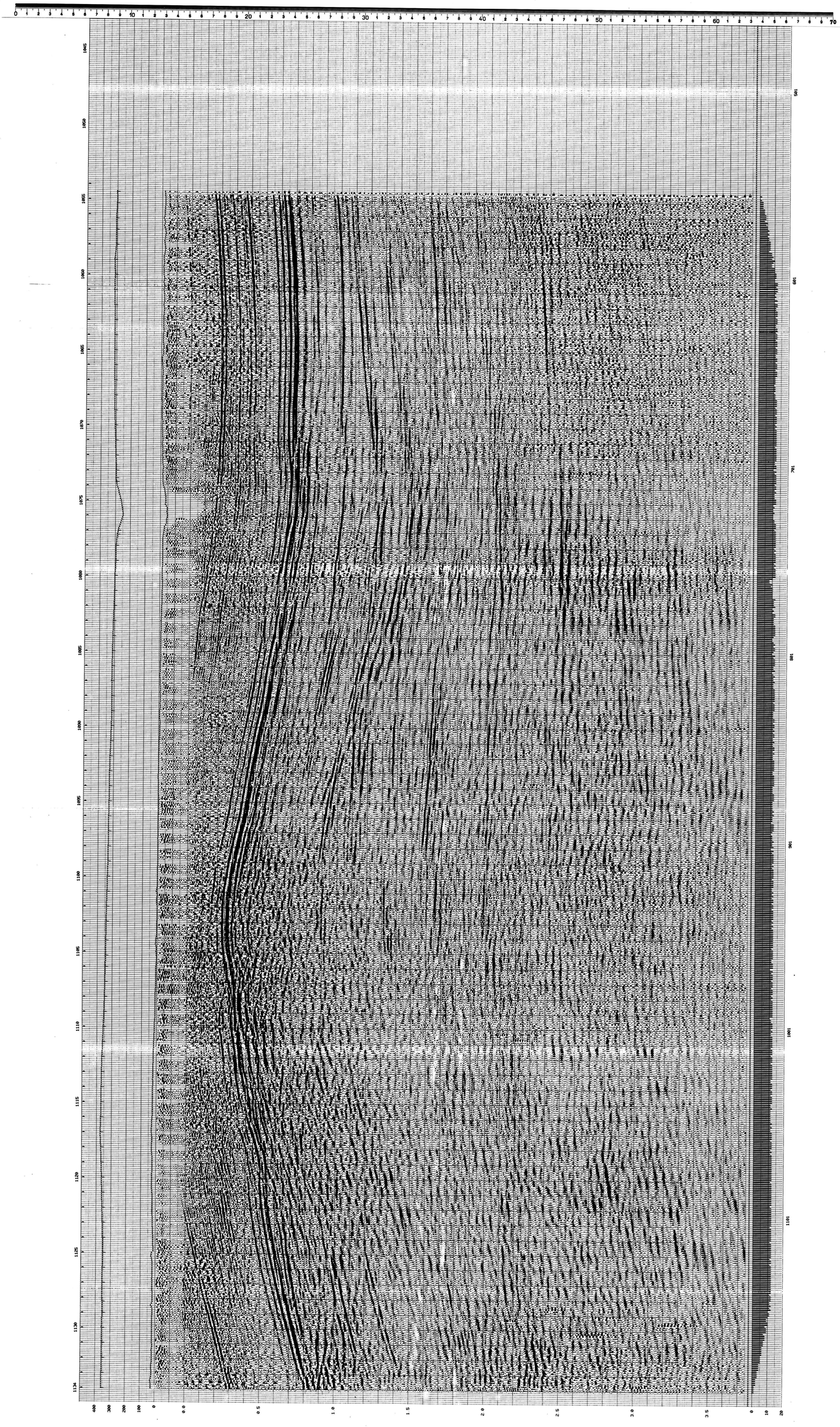
PROJ. NO. 246-06-05-015 LINE NO. 82-W-30X PART NO. 2 OF 2 R.R. 8X