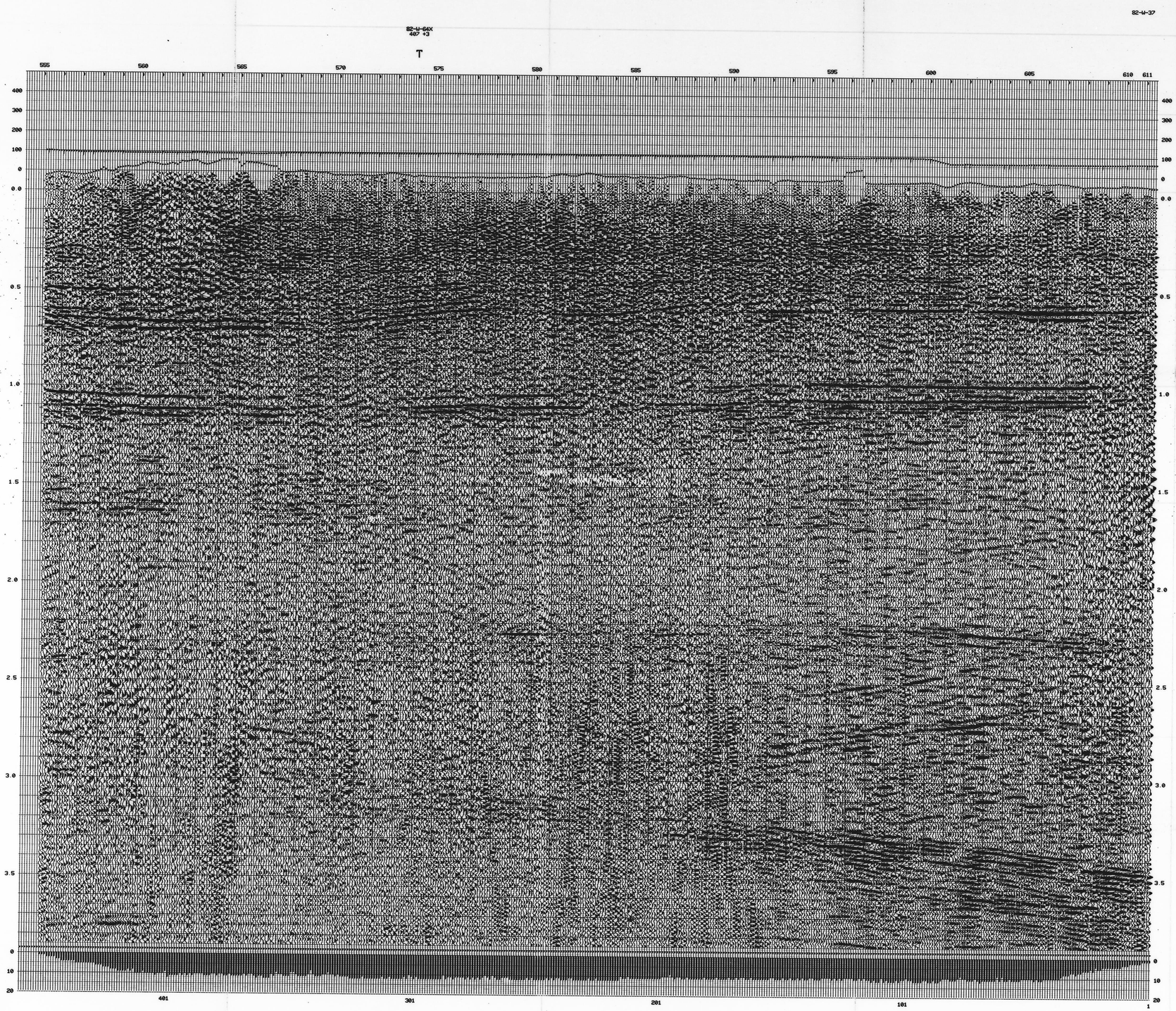
240-06-05-115



GEO-X SYSTEMS LTD.
CALGARY ALBERTA

FLAG

LINE: 82-W-37 TYPE: S-NP
DIRECTION ——> N.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 106 H
CLIENT: PETRO-CANADA EXPLORATION INC.

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 20D, 10 Hz, 9 OVER 53 m.
SOURCE INTERVAL: 132 m GROUP INTERVAL: 33m.

SURFACE IN TIME

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 - 100 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.) 300 550-650 1700
14 GATHER FOLD 12
15 STACK STACK REEL
16 FILTER 16/12/6 - 80/90 Hz, 0 2500 ms
12/16 50/60 Hz, 2500 4000 ms
17 ADDITIONAL PROCESSING
NEAR RAMP SCALING
TIME 0-150, 250-1600, 2300, 3000-4000
SCALE 100, 120, 250
18 EQUALIZATION 400 2400 ms

VELOCITY TABULATION FROM PROCESSING DATUM

SAMMON'S CREEK 82-W-37 SP 600

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
399	3571	197.6 1584	3571	712	3571
646	3801	129.1 1584	4395	1151	3729
889	3936	114.3 1584	4689	1617	3924
1071	4079	48.3 1584	6159	2493	4658
1151	4079	43.3 1584	6859	2959	4812
1376	4399	39.5 1584	4618	3577	4764
1470	4594	35.4 1584	4848	3836	4909
1661	4880	31.4 1584	4849	3959	4788
4000	5900	9.0 1584	6528	11594	5797

SAMMON'S CREEK 82-W-37 SP 585

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
408	3455	205.7 1584	3455	704	3455
692	3640	140.8 1584	4981	1692	3531
898	3863	111.8 1584	5841	1334	3826
1121	4948	44.8 1584	6344	2876	4775
1184	5069	40.8 1584	6874	2893	4897
1389	5082	34.5 1584	6156	3421	4927
1497	5034	32.6 1584	4526	3665	4898
1635	5023	29.9 1584	4986	4152	4899
4000	5900	9.0 1584	6466	11604	5882

SAMMON'S CREEK 82-W-37 SP 562

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
400	3254	238.8 1584	3254	650	3254
690	3400	159.6 1584	3674	1018	3394
719	3697	119.3 1584	5914	1294	3604
1168	4893	46.0 1584	6156	2679	4619
1230	4933	41.1 1584	6231	3014	4909
1430	4954	36.5 1584	5681	3453	4829
1580	4988	32.4 1584	4219	3739	4743
1708	4989	29.9 1584	4987	4132	4918
4000	5900	9.0 1584	6603	11548	5774

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tam
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Tel: (613) 731-9571
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PROJ. NO. 240-06-05-115
LINE NO. 82-W-37X
PART NO. 1 OF 1
R.R. 8X