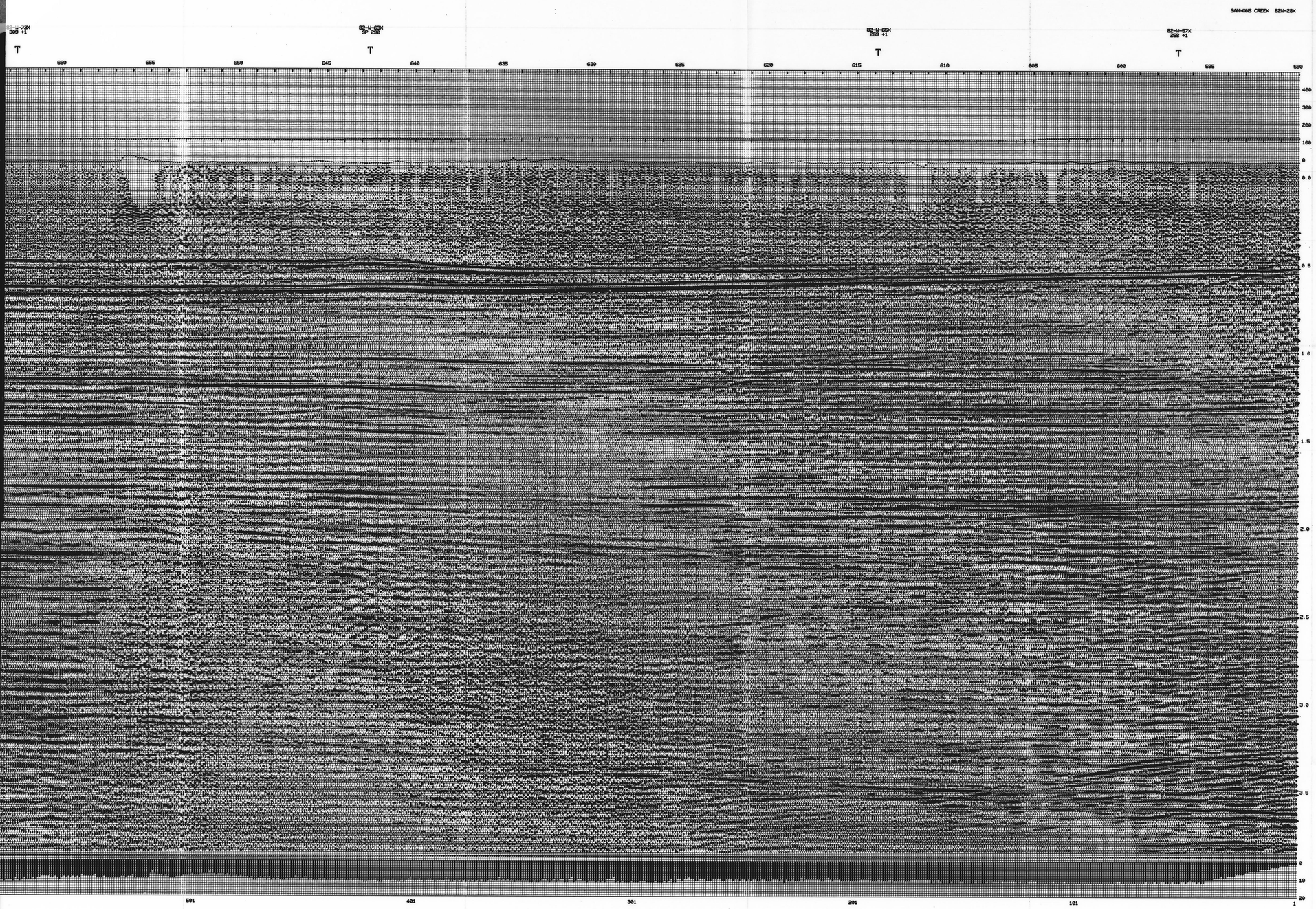
24C-06-05-115



GEO-X SYSTEMS LTD.
CALGARY ALBERTA

FLAG

LINE: 82-W-28X TYPE: S-NP
DIRECTION ——→ S.E.
PROJECT: SAMMON'S CREEK
LOCATION: DISTRICT OF MACKENZIE NTS 96E
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 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 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 : -100m.
[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) 12/16 - 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
: % VALUE : 75 , 100 , 120 , 250
18 EQUALIZATION : 400-2400ms

VELOCITY TABULATION FROM PROCESSING DATUM

SAMMON-S CREEK 82W-28X SP 607

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
100	3035	431.4 1584	3035	151	3035
307	3472	242.4 1584	3871	531	3464
422	3449	205.7 1584	3828	716	3397
528	3448	182.2 1584	3845	1011	3439
695	3581	138.2 1584	4293	1221	3661
974	4325	88.6 1584	5719	2441	4199
1276	4569	66.5 1584	5293	2828	4454
1540	4666	57.0 1584	5527	3816	4667
1959	5861	35.9 1584	6328	4814	4937
2590	5411	16.7 1584	6462	6746	5236
3500	5600	11.4 1584	6885	9626	5501

SAMMON-S CREEK 82W-28X SP 632

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
100	3035	431.4 1584	3035	151	3035
318	3323	236.4 1584	3447	527	3317
438	3423	199.2 1584	3674	747	3415
626	3441	151.6 1584	3482	1075	3435
796	3492	128.7 1584	3721	1288	3485
1006	4252	88.6 1584	5861	2075	4125
1237	4436	68.3 1584	4882	2800	4318
1562	4724	48.3 1584	5919	3889	4594
1959	4894	35.6 1584	5399	4633	4752
2590	5411	27.9 1584	6373	6730	5257
3500	5600	16.7 1584	6462	8950	5490
		11.4 1584	6885	9590	5490

SAMMON-S CREEK 82W-28X SP 668

TWO WAY TIME	RMS VELOCITY	DELTA-T AT X-DISTANCE	INTERVAL VELOCITY	SUMMED DEPTH	AVERAGE VELOCITY
100	3035	431.4 1584	3035	151	3035
207	3481	309.1 1584	3531	486	3291
487	3397	211.9 1584	3397	689	3389
593	3352	164.4 1584	3354	995	3356
793	3688	116.6 1584	4691	1362	3619
1033	4449	88.9 1584	5818	2196	4251
1274	4586	66.6 1584	5480	2946	4469
1517	4697	49.2 1584	5947	3926	4385
1919	4856	27.7 1584	6816	4598	4721
2513	5411	17.4 1584	6583	5933	4933
3500	5600	11.4 1584	6875	9672	5469

Geo-X Systems Ltd.
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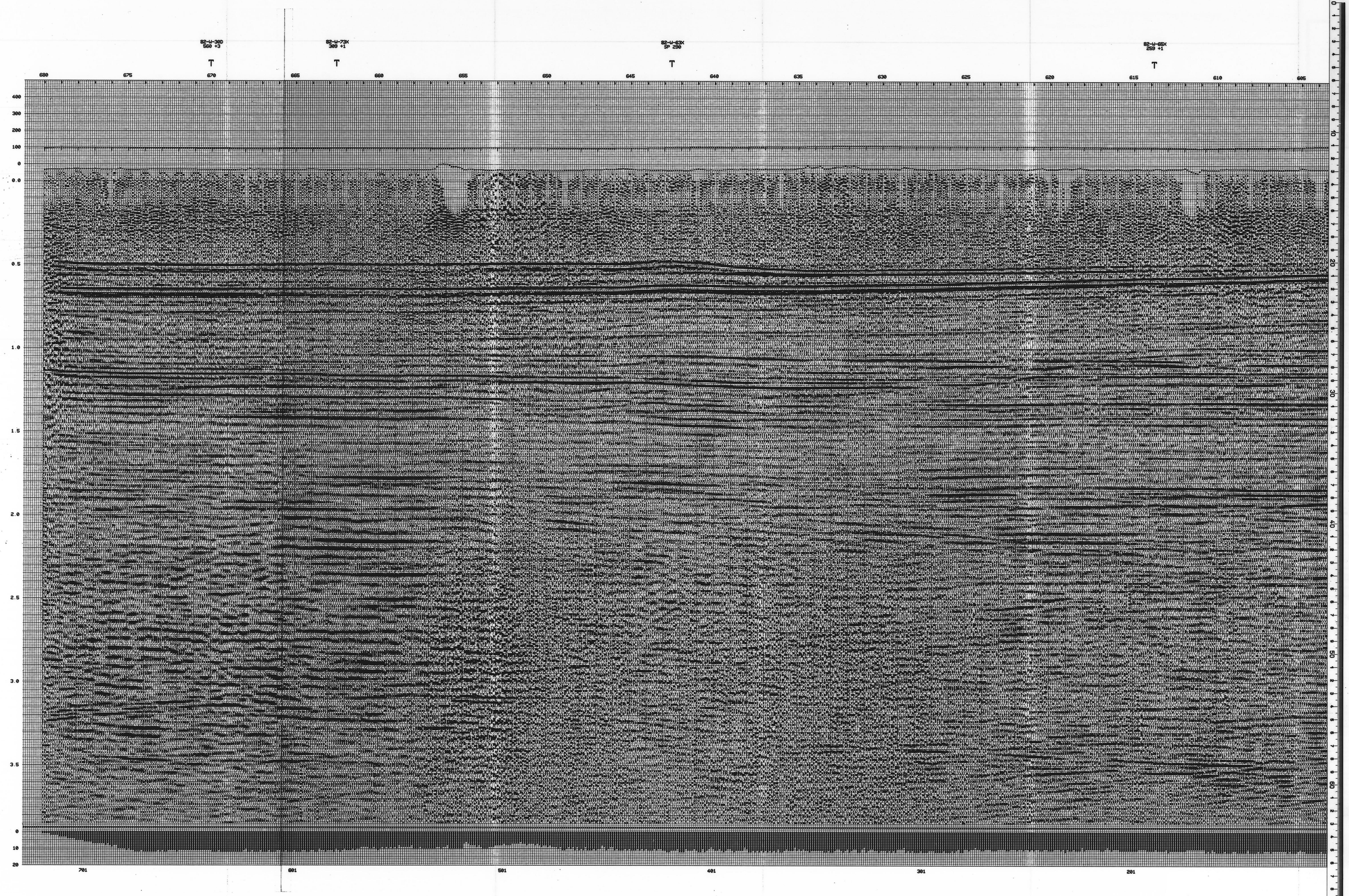
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA
PROJ. NO. 24-06-05-115
LINE NO. 82-W-28X
PART NO. 1 OF 2
R.R. 8X



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PROJ. NO. 246-06-05-115

LINE NO. 82-W-28X

PART NO. 2 OF 2

R.R. 8X