ST 2735.0	CDF 916	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.35	4685	4685
0.55	4475	4082
0.67	4625	5258
0.75	4400	1534
0.89	4430	4587
1.11	4950	6651
2.00	6000	7095
DATUM CORR= -35 MS		

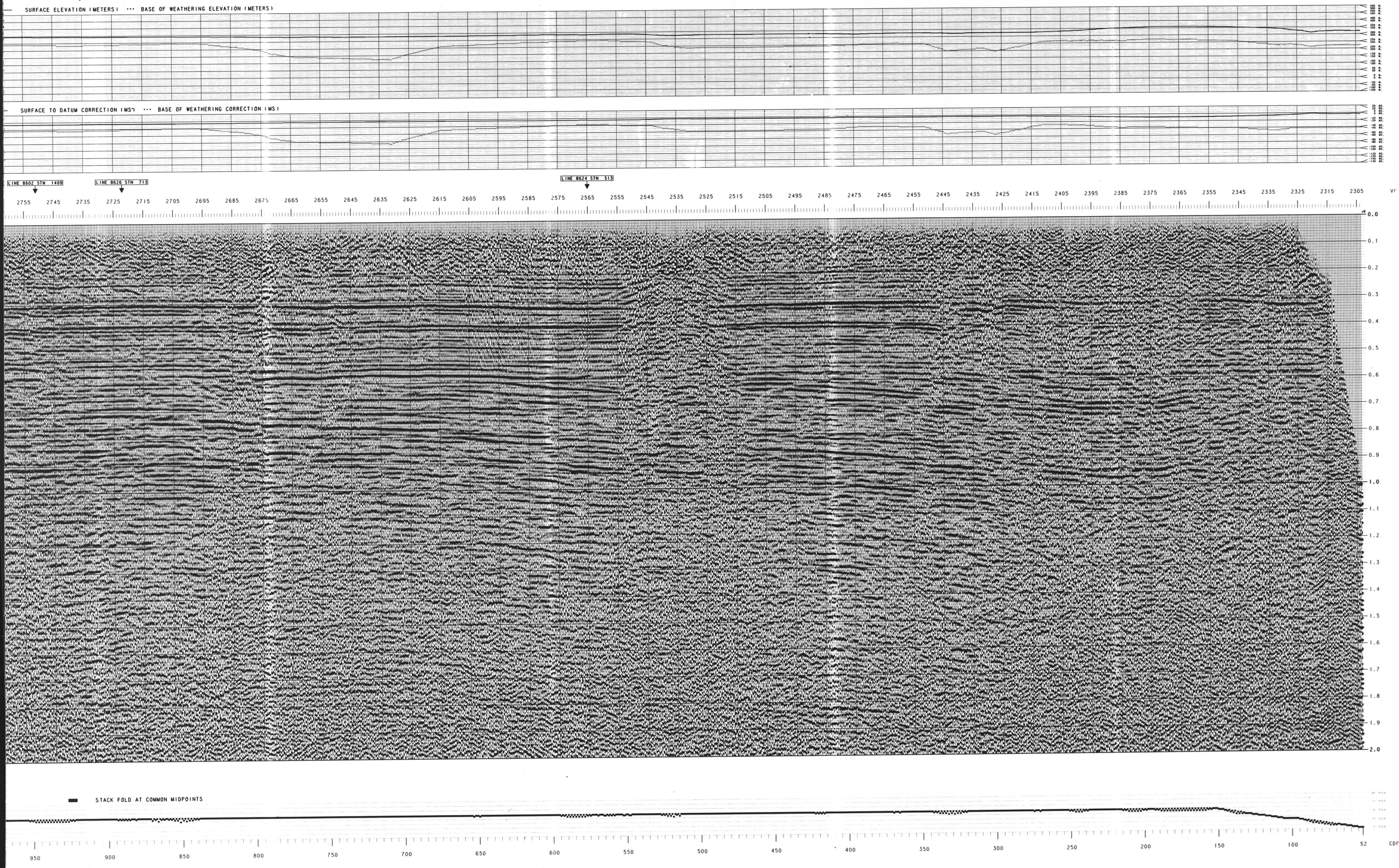
ST 2664.0	CDF 774	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.37	4695	4695
0.65	4425	4041
0.81	4315	3836
0.91	4440	5346
1.35	5385	6943
2.00	6000	7109
DATUM CORR= -60 MS		

ST 2577.0	CDF 600	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.35	4660	4660
0.69	4480	4287
0.93	4970	6166
2.00	6000	6769
DATUM CORR= -30 MS		

ST 2476.0	CDF 398	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.27	4995	4995
0.35	4855	4349
0.71	4630	4400
0.91	4495	3979
1.25	4940	5970
2.00	6000	7438
DATUM CORR= -40 MS		

ST 2348.0	CDF 142	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.37	4605	4605
0.73	4115	3541
0.89	4460	5778
2.00	6000	6994
DATUM CORR= -56 MS		

VEL8607



9229-P28-12E

LINE 8607
V.P. 2329-3101
STRUCTURAL STACK

REVERSE POLARITY

SOUTH-EAST

DG414

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

AREA: TWEED LAKE, N.W.T.

SURVEY DATE:	JANUARY 1985
PROCESSING DATE:	FEBRUARY 1986
RECORDED BY:	WESTERN GEOPHYSICAL CO. LTD.
REPLACEMENT VELOCITY:	6000 M/SEC
DATUM ELEVATION:	305 METERS

RECORDING INFORMATION

SOURCE:

ENERGY SOURCE	VIBROSEIS
VIBRATOR MODEL	LRS-309
SWEEP FREQUENCY	20-100 HZ LINEAR
SWEEP LENGTH	4 SEC
NUMBER OF SWEEPS	6
DRAG LENGTH	40 M
SOURCE TO FIRST RECEIVER	80 M
VIB. POINT INTERVAL	40 M
GROUPS DROPPED IN GAP	7

INSTRUMENTS:

AMPLIFIER	DFS V
FILTER	OUT-128 HZ
SAMPLING INTERVAL	2 MS
RECORD LENGTH	7 SEC
60 HZ NOTCH FILTER	OUT
TAPE FORMAT	SEG-B

RECEIVERS:

GEOPHONE TYPE	LRS-1011 14 HZ
GEOPHONES PER GROUP	9 OVER 20 M
GROUPS RECORDED	96
GROUP INTERVAL	20 M
PERCENT COVERAGE	2400 %

SPREAD GEOMETRY:

SOURCE:			•		
TRACE:	1	48	•	49	96
DISTANCE:	1020 M	80 M	•	80 M	1020 M

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL 2 MS.

1. DEMULTIPLEX:
   VIBROSEIS CORRELATION
   PROCESSED TO 3.0 SECONDS
2. TRACE EDIT:
   VISUAL QC OF EVERY RECORD
3. GEOMETRY COMPUTATIONS:
   ELEVATIONS AND DISTANCES
4. 60 HZ NOTCH FILTER
5. F-K DOMAIN FILTER:
   ATTENUATE DIPS OF
   5 - 12.5 MS/TR
6. PHASE COMPENSATION:
   LRS-1011 14 HZ GEOPHONES
7. AMPLITUDE COMPENSATION:
   TIME FUNCTION EXPONENTIAL VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION:

NO.. OF WINDOWS	1
NEAR TRACE START TIME	200 MS
START TIME VELOCITY	6000 M/SEC
WINDOW LENGTH	1000 MS
PERCENT PRE-WHITENING	0.1 %

9. PREDICTIVE DECONVOLUTION:
   TYPE: MINIMUM PHASE INVERSE FILTER

NO. OF WINDOWS	1
NEAR TRACE START TIME	200 MS
START TIME VELOCITY	6000 M/SEC
WINDOW LENGTH	1000 MS
MINIMUM PREDICTION DISTANCE	20 MS
OPERATOR LENGTH	100 MS
PERCENT PRE-WHITENING	0.1 %

10. C.D.P. SORT
11. STATIC COMPUTATIONS:
    MODEL BASED REFRACTION
    DRIFT AND WEATHERING CORRECTIONS
12. AUTOMATIC STATICS (MISER®):

WINDOW	250 - 1000 MS
SHIFT LIMIT	+/- 24 MS

13. VELOCITY ANALYSIS (VELAN®):
14. NORMAL MOVEOUT CORRECTION
15. MUTE PATTERN:

DISTANCE (METERS)	TIME (MS.)
180	0
280	150
600	280
700	500
1000	1000

16. STACK:
    2400 % EQUAL WEIGHTS
    WITH CDP CORRELATION TRIM STATICS
17. TIME VARIANT FILTER:

TIME (MS)	FILTER APPLIED
0-1000	20-90 HZ. 18/48 DB/OCTAVE
1200-2000	20-70 HZ. 18/48 DB/OCTAVE

18. REFLECTION STRENGTH GAIN:
    MAXIMUM STAND OUT AFTER GAIN: 2.0
19. RMS GAIN:
    100/800 MS WINDOWS

DISPLAY PARAMETERS

HORIZONTAL SCALE	24 TRACES PER INCH
VERTICAL SCALE	7.5 INCHES PER SECOND
PLOTTING GAIN	12 DB

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-P28-12E

LINE NO. 8607

PART NO. 1 OF 2

R.R. 8X

ST 3066.0	CDF 1578	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.43	5280	5280
0.53	4945	3118
0.63	4870	4451
0.73	4800	4333
1.19	5095	5531
2.00	6000	7124
DATUM CORR= -26 MS		

ST 2947.0	CDF 1340	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.37	4990	4990
0.51	4710	3874
0.61	4350	1513
0.77	4990	6906
0.95	5080	5448
2.00	6000	6725
DATUM CORR= -32 MS		

ST 2880.0	CDF 1206	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.35	4795	4795
0.59	4540	4140
0.81	4415	4061
1.17	4750	5429
2.00	6000	7412
DATUM CORR= -38 MS		

ST 2810.0	CDF 1066	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.32	5100	5100
0.41	4920	4218
0.83	4495	4037
1.20	5000	5980
2.00	6000	7246
DATUM CORR= -53 MS		

ST 2735.0	CDF 916	
TIME(S)	RMS VEL	DIX INT
0.00	5500	5500
0.35	4685	4685
0.55	4475	4082
0.67	4625	5258
0.75	4400	1534
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PART NO. 2 **OF** 2

R.R. 8X