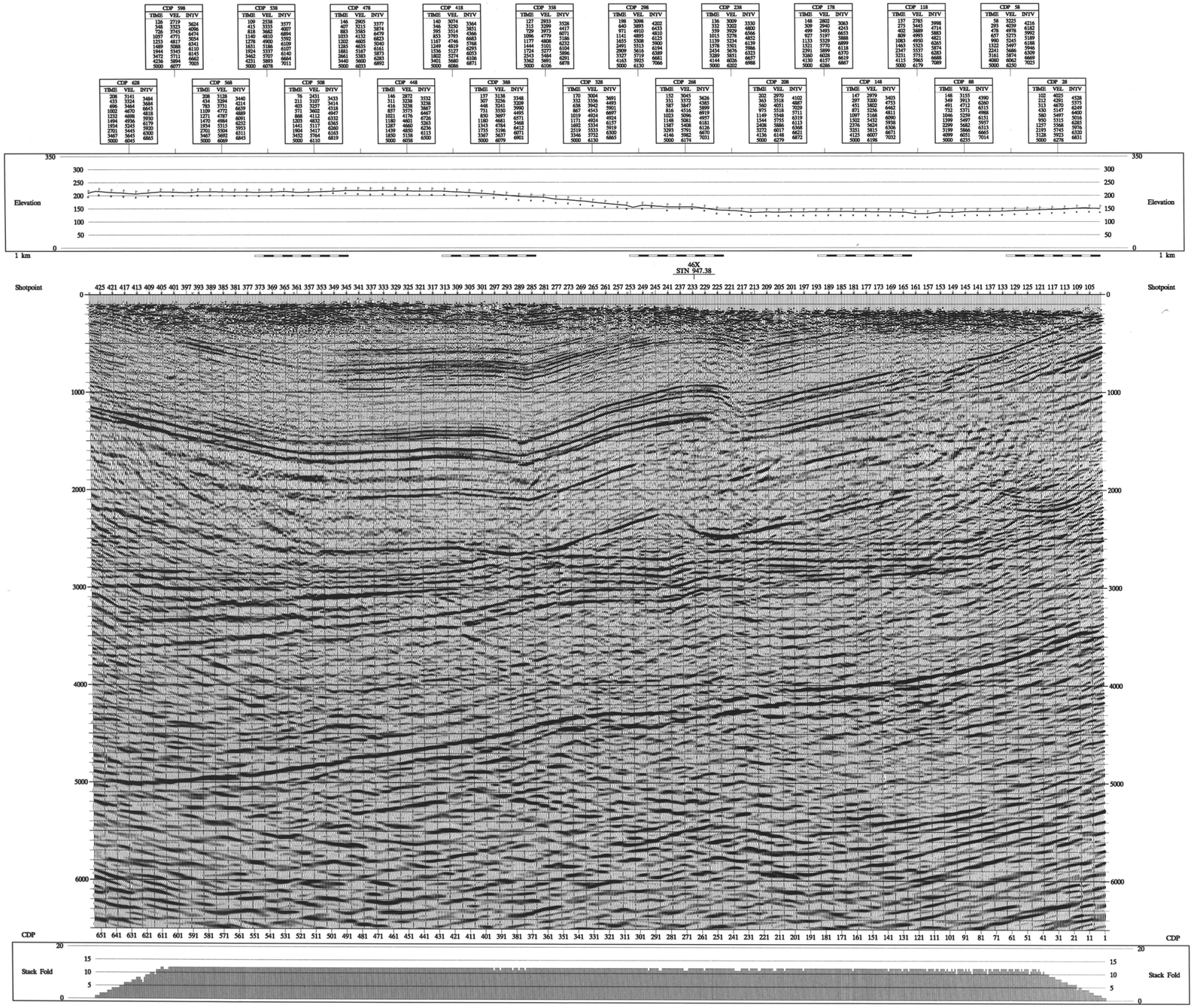

North East

EOG Resources Canada Inc.

Devo Creek, N.W.T.
Line 6H815
NTS 96-E

SP 429 - 101

9227-E35-1E

Migrated Stack
Prestack Kirchhoff Depth Mig.
f-x Filter Applied
Normal Polarity

FIELD PARAMETERS

Recorded by	Western Geophysical Company of Canada Ltd., Party 367 April, 1984
Recorded for	Western Geophysical Company of Canada Ltd.
Amplifier	DFS V, 96 channels SEG-B format, IFP gain 12-128 Hz, Notch OUT
Record Length	6.0 seconds 2 ms sample interval
Source	Dynamite, single hole 2.0 Kg at 14 meters
Geophones	Sensor SM-7, 50 Hz 9 per string inline over 33.5 meters
Source Interval	134.0 meters
Group Interval	33.5 meters
Nominal Fold	1200%
Spread	1608 - 33.5 - SP - 33.5 - 1608 meters

PROCESSING SEQUENCE

SEG-B Input	
Trace Kill/Reverse	
SELECT trace Kill parameter file	Trace Kills
Trace Muting	
SELECT mute parameter file	Surgical Mute
True Amplitude Recovery	
Basis for spherical spreading	1/(time*vel**2)
Should the velocity be treated as space variable?	No
Select velocity parameter file	TAR Velocity Function
dB/sec correction constant	9.
Maximum application TIME	2500.
Filter Application	
SELECT filter dataset	Instr. & Geo. Compensation
Surface Consistent Decon	
TYPE of deconvolution	Spiking
Components of spectral decomposition:	SHOT RCVR OFFSET
Spectral decompositions used in	SHOT RCVR
Application:	
Decon operator length (ms)	100.
Operator "white noise" level	0.01
TV Spectral Whitening	
Spectral balancing scalar LENGTH	500.
Number of frequency panels	9
SPECIFY spectral balancing frequencies 4,10,100,120	
Mode for amplitude restoration	Log Average
Apply Refraction Statics	
Final datum elevation	250
Replacement velocity	3250
NMO static method	Mean Statics
Length of smoother	31
Processing DATUM	NMO DATUM
Apply Residual Statics	
Apply Residual Statics	
Apply Residual Statics	
Type of residual statics to apply	Max. Power Autostatics
Apply Trim Statics	
Normal Moveout Correction	
SELECT Velocity parameter file	CVS Final Velocities
Bandpass Filter	
TYPE of filter	Time and Space-Variant Filter
Type of filter specification	Ormsby bandpass
PHASE of filter	Zero
Space-variant filter parameters 1:10-15-90-110,10'15-60-75'	
SPECIFY filter time gate parameters 1:0-1700,2100-3000'	
Trace Muting	
SELECT mute parameter file	Final Mute
Automatic Gain Control	
AGC operator length	500.
Trace Binning	
Header entry to bin	Absolute value of offset
Header entry bin centers 150,75-1400,750,268)	
Normal Moveout Correction	
Direction for NMO application	INVERSE
SELECT Velocity parameter file	CVS Final Velocities
Header Statics	
Bulk shift static	-100.
First header word to apply	Static to move to final datum
Second header word to apply	SIN_STAT
Third header word to apply	SRF_STAT
HOW to apply header statics	Add
Prestack Kirchhoff Depth Mig.	
CDP interval (feet or meters)	16.75
Migrate from topography?	Yes
Datum for top of section	250.
Migration aperture (feet or meters)	2412.
Avoid spatial aliasing?	Yes
Approximate input trace spacing in CDPs	1.
Method for producing the green's function	Multi-arrival ray tracing
Maximum emergence angle to trace rays	45.
Accuracy factor	2.
Do proper amplitudes?	Yes
Select interval vs. depth velocity file	V(X,Z) Model 8
Velocity Smoothing (feet or meters)	165.
CDP/Ensemble Stack	
METHOD for trace summing	Mean
F-X Decon	
Horizontal window length	40
Number of filter samples	7
Time window length	200.
Time window overlap	100.
Automatic Gain Control	
AGC operator length	2000.

DISPLAY PARAMETERS

Traces/Inch =	25	Display Gain =	0.35
Inches/Second =	2.5	Clip Limit =	3
NORMAL POLARITY		Fri Jun 14 12:33:40 2002	

SENSOR GEOPHYSICAL LTD.

TRIATHLON PROJ. NO. 9227-E35-1E

LINE NO. 6H815

PART NO. 1 OF 1 R.R. 8X