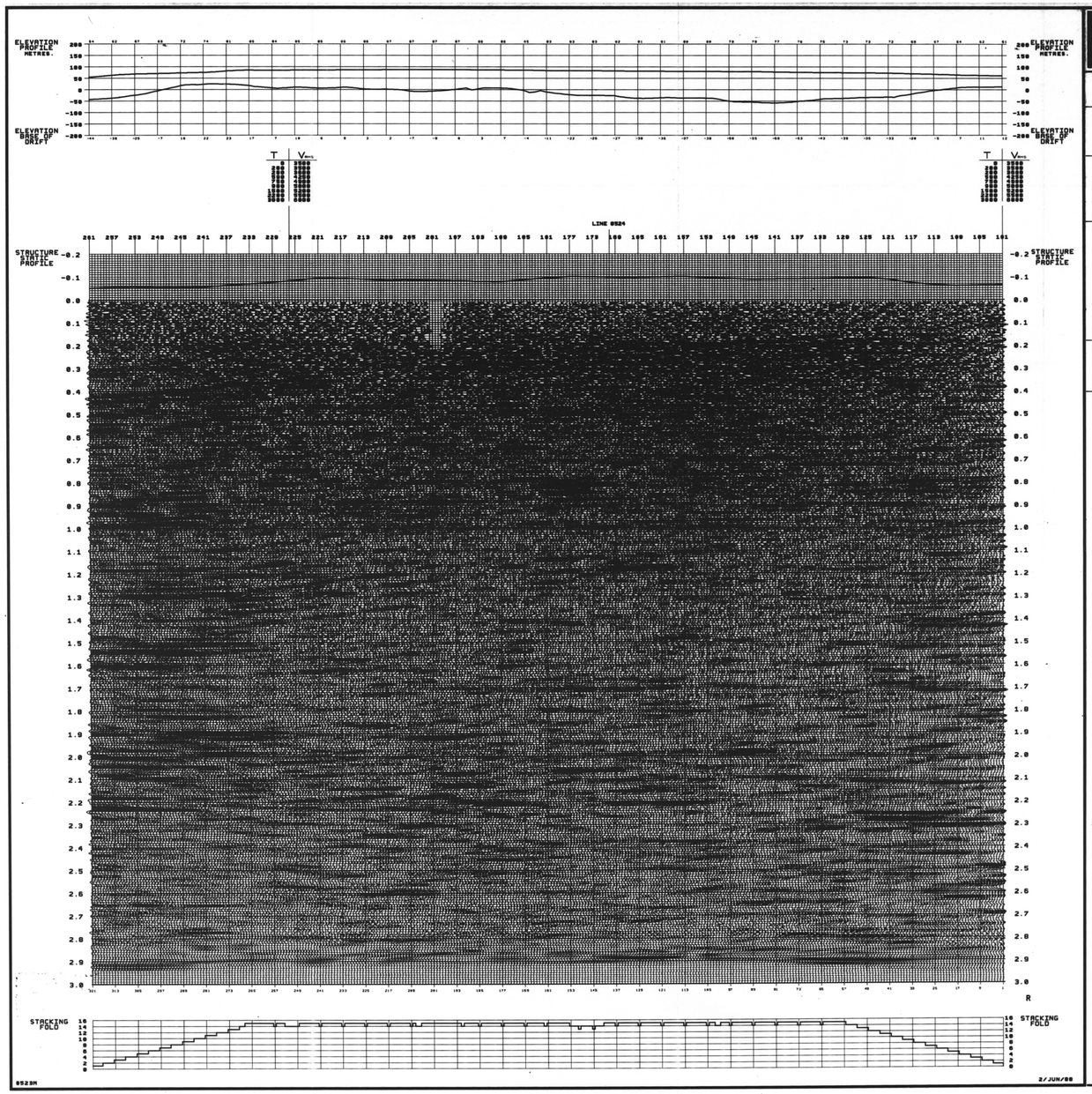

9229-P28-18E

VERITAS SEISMIC

REVERSE POLARITY
NOISE ATTENUATED MIGRATED SECTION

LINE NO : 8523 DIRECTION: NE/SW
AREA : HOOSIER RIDGE, N.W.T.
DATUM : SEA LEVEL R.V. : 3506 M/S

PROCESSED FOR:
PETRO-CANADA

DATE PROCESSED: JUNE 1988 DATE SHOT: MARCH 1988
SHOT BY: WESTERN GEOPHYSICAL

FIELD PARAMETERS

SOURCE TYPE	DYNAMITE	GEOPHONE FREQ.	14 HZ.
SOURCE INTERVAL	132 M.	GROUP INTERVAL	33 M.
SOURCE LAYOUT	SINGLE HOLE	GEOPHONE LAYOUT	9 OVER 33 M
INSTRUMENTATION	DFS V / 120 TRACE	GAIN MODE	I.F.P.
FIELD FILTER	8-128HZ NOTCH OUT	COVERAGE	1500 %
AVG. HOLE DEPTH	18 M.	AVG. CHARGE SIZE	2 KG.
RECORD LENGTH	3 SEC.	SAMPLE INTERVAL	2 MS.
SPREAD: TRACE	1 - 68 SP	61 - 120	
DISTANCE	1980 - 33	33 - 1980 M.	

DISPLAY PARAMETERS

TRACES/INCH: 16 INCHES/SECOND 5.0
DATA LENGTH: 3.0 SEC.

PROCESSING PARAMETERS

1. DEMULTIPLEX
   Recorded Length 3000 ms Sample Rate 2 ms
   Processed Length 3000 ms Sample Rate 2 ms
2. AMPLITUDE RECOVERY - EXPONENTIAL FUNCTION
3. GEOMETRY - STRAIGHT LINE
4. INSTRUMENT AND GEOPHONE DEPHASING
5. DECONVOLUTION - TIME DOMAIN SPIKING
   Operator 80 ms Prewhitening 1.0 %

FILTER	Distance	Design Gate	Appl. Gate
1	33 m	200 - 1600	0 - 3000 ms
	1980 m	800 - 1600	0 - 3000 ms

6. RESIDUAL AMPLITUDE ANALYSIS and APPLICATION
7. STRUCTURE STATICS - 2 LAYER DRIFT COMPUTATION
   Datum 0 m R.S.L.
   Replacement Velocity 3506 m/s
8. 15 FOLD TRACE GATHER
9. VELOCITY ANALYSIS / NORMAL MOVEOUT
10. FIRST BREAK MUTES
    Distance 265 266 528 1980 m
    Time 0 200 300 1000 ms
11. IVNOISE NOISE ATTENUATION
    (Radon Transform)
    Window 0 - 3000 ms
12. AMPLITUDE EQUALIZATION - AUTOMATIC GAIN CONTROL
13. STATICS - TRIM
    Correlation Window 200 - 1000 ms
14. STACK
15. FILTER - DIGITAL BANDPASS
    FILTER 1 Pass Band 10/15 - 80/90 Appl. Gate 0 - 3000 ms
16. AMPLITUDE EQUALIZATION - MEAN SCALING
    Windows 0 - 200 / 200 - 1500 ms
17. FINITE DIFFERENCE MIGRATION
18. FK-POWERING
    Powering Exponent = 1.4

Canada Oil and Gas Lands Administration
Administration des sièges et de gaz naturel du Canada
AUG 22 1988
Resource Evaluation Branch
Direction de l'évaluation des ressources
Project #

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PROJ. NO. 9229-P28-18E
LINE NO. 8523
PART NO. 1 OF 1
R.R. 8X