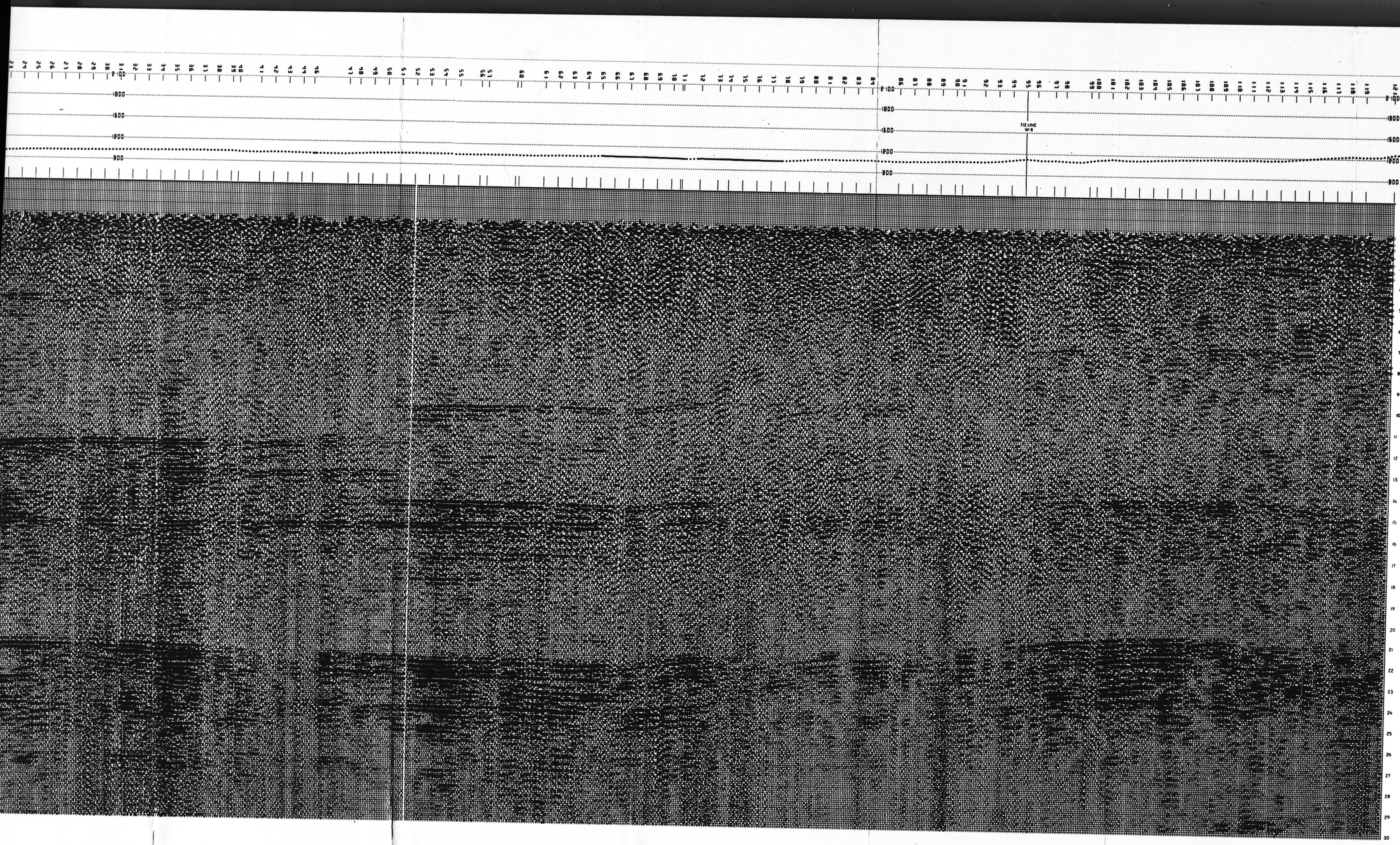
028-06-06-065-9

W-26



028-06-06-065

AREA : HORTON RIVER N.W.T.
LINE : W-26
PROJECT NO. : GO569-E

DIRECTION : EAST

TYPE SHOOTING : DYNAMITE
SHOT BY : WESTERN GEOPHYSICAL PARTY F-35
DATE SHOT : DECEMBER 1974 - FEBRUARY 1975
FIELD RECORDING : ☒ DIGITAL ☐ ANALOG
FIELD INSTRUMENTS : DFS III
TAPE SYSTEM : 9 TRACK
NO OF TRACES PER S P : 48
DIGITAL FORMAT : EPBA SAMPLE RATE : 2 MS
RECORD LENGTH : 3.000 SEC
TAPE FILTER : LOW 18 HIGH 124
GAIN INFORMATION : ☐ FIXED ☐ AGC
☐ PGC ☐ GAGC ☒ BINARY
SWEEP FREQUENCY : FROM HZ TO HZ
SWEEP LENGTH : SEC
NO OF VIBRATORS : NO SWEEPS
TYPICAL CHARGE SIZE : 10 LBS SHOT DEPTH 41-45 FT
SHOT PATTERN : SINGLE HOLES
GEOPHONE ARRAY : 9/string - 2 strings over 200 ft.
SPREAD LAYOUT : 2750'-220'-K-220'-2750'

REMARKS :

STATIC CORRECTION BY : UNION OIL COMPANY LIMITED

STACK : 600 %

DATUM OR FLOATING HORIZON :

CORRECTION DATUM ELEVATION : 1,000 ft.
DATUM VELOCITY : 18,000'/sec.

FLATTENER AT SEC.

FILTER : LOW CUT 25 LOW PASS 30 HIGH PASS 80 HIGH CUT 90
DECONVOLUTION : ☐ BEFORE ☐ AFTER STACK
☐ TRIM STATICS ☐ 2 D FILTER
☐ TRIM NMO ☐ POWER STACK
☐ ☐ MIX

PROCESSING SAMPLE RATE 2 MS
☐ BANDIS ☐ SPECTRAL ☐ POWERTRACE
☐ VELDIS ☐ VVF ☐

PROCESSING APPLIED :
1) DMPX - GAIN RECOVERY ONLY
2) EXGAIN
3) EXSCAL - EXPONENTIAL GAIN APPLIED-AUTOMATIC SCALING
4) PREDIT
5) MERGE
6) Nmo - MOVEOUT,KILLS,ELEVATION STATICS,INDIVIDUAL TRACE MUTES 0.900-3.000 sec.
7) Nmo - INSIDE TRACE MUTES + PERMAFROST MUTES
8) FSTBND - 25/30 - 80/90
9) GATHSTAK - FRONT END MUTES. DIST. 1' - 150 msec. 2640' - 250 msec.
10) ATOS - AUTOMATIC STATICS, 0.400-0.900 WINDOW,s 16 STATIC, NO TRACES KILLED
11) GATHSTAK - GATHER + STACK WITH ATOS STATICS

DATE : MARCH 1975

REEL NOS : FIELD 13293 MERGE 5619 OTHERS
13294 5916
13295

REMARKS :

POLARITY REVERSED IN PLOT

VELOCITY FUNCTION

TWO WAY TIME	AVERAGE VELOCITY
0.350	15,000
0.550	15,500
0.900	16,000
1.300	16,500
3.000	17,500

SUBSURFACE TRACE SPACING 55 FT

uni*n

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NOT TO BE REPRODUCED
APPROVED FOR RELEASE
NOV 4 1975
Date
BY [signature]
Vice President, Exploration
UNION OIL COMPANY OF CANADA LIMITED