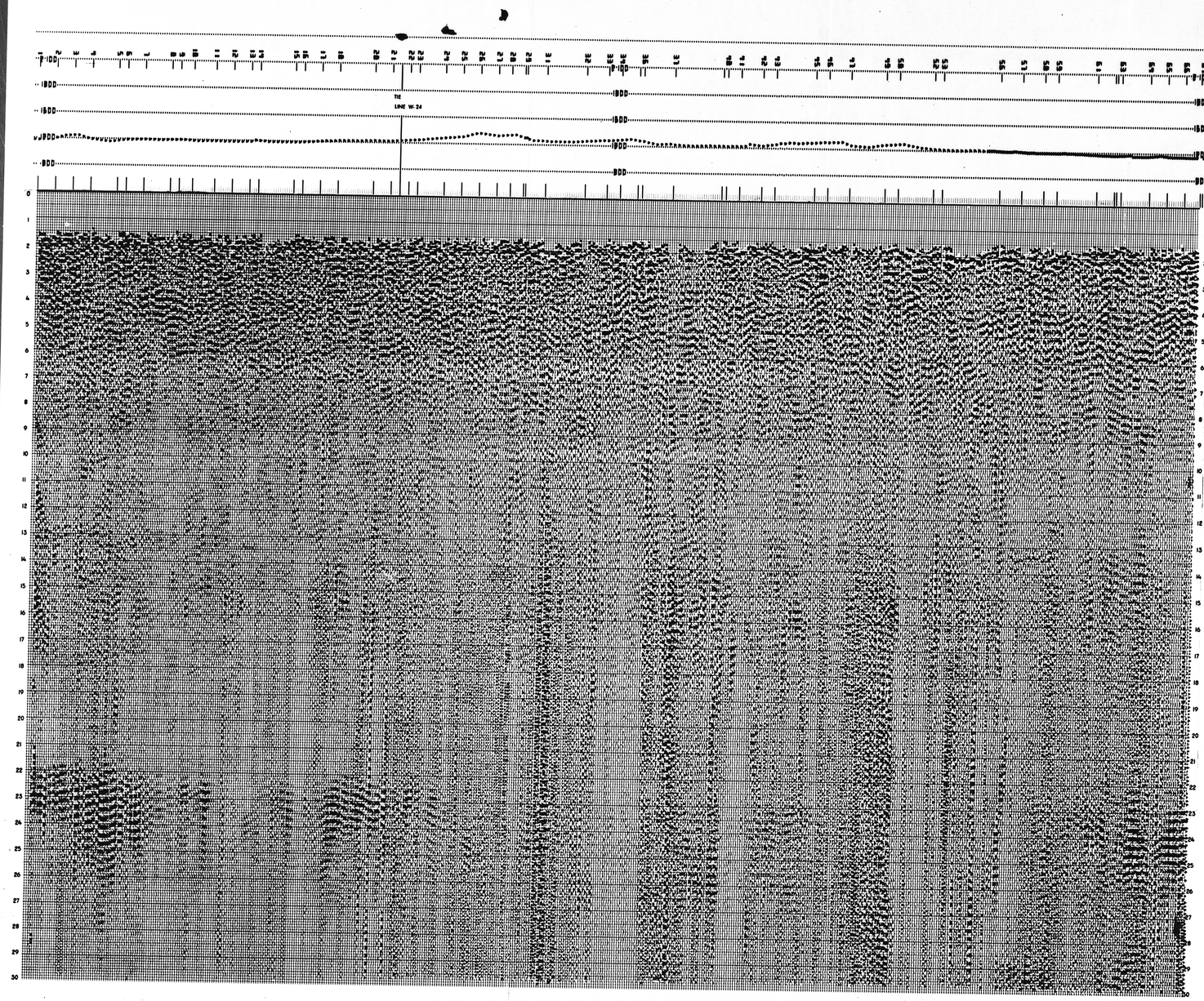
028-06-06-065-10

W25



028-06-06-065

AREA : HORTON RIVER N.W.T.
LINE : W-25
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 : EPTA SAMPLE RATE : 2 MS
RECORD LENGTH : 3.000 SEC
TAPE FILTER : LOW : 18 HIGH : 124
GAIN INFORMATION : ☐ FIXED ☐ AGC
☐ P-POC ☐ 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 : 8/station - 2 stations over 200 ft.
SPREAD LAYOUT 2750'-220'-X-220'-2750'

REMARKS :

STATIC CORRECTION BY : UNION OIL COMPANY LIMITED

STACK : 6007 %

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) INFX - GAIN RECOVERY ONLY
2) EXGAIN
3) EXSCAL - EXPONENTIAL GAIN APPLIED-AUTOMATIC SCALING
4) TRIMT
5) NMOS
6) Stat - MOVEOUT, SILLS, ELEVATION STATICS, INDIVIDUAL TRACE MUTES 0.800-1.000 sec.
7) Stat - INSIDE TRACE MUTES + PERMAFROST MUTES
8) FETBRD - 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, ± 16 STATIC, 80 TRACES KILLED
11) GATHSTAK - GATHER + STACK WITH ATOS STATICS

DATE : MARCH 1975

REEL NOS : FIELD 1322 1320 MERGE 4163 OTHERS

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.

union

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APPROVED FOR RELEASE BY 4 1975 G
BY
Vice President, Exploration
UNION OIL COMPANY OF CANADA LIMITED