

028-06-06-065-17

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AREA : HORTON RIVER, N.W.T.
LINE : W-22
PROJECT NO. : GO569-E

DIRECTION : **NORTHEAST**

TYPE SHOOTING : **SPRINT**
SHOT BY : **WESTERN GEOPHYSICAL PARTY P-151**
DATE SHOT : **DECEMBER 1976 - FEBRUARY 1977**
FIELD RECORDING : ☒ DIGITAL ☐ ANALOG
FIELD INSTRUMENTS : **SP-111**
TAPE SYSTEM : **9 TRACK**
NO. OF TRACES PER **5 P : 48**
DIGITAL FORMAT : **SEPIA** SAMPLE RATE : **2 MS**
RECORD LENGTH : **1.000 SEC**
TAP RATE : **LOW 18** ☐ HIGH 124 ☐ AGC
GAIN INFORMATION : ☐ VCC ☐ GAGC ☐ SPARY
SWEEP FREQUENCY : **FROM** **HZ TO** **HZ**
SWEEP LENGTH : **SEC**
NO. OF VIBRATORS : **10** NO SWEEPS
TYPICAL CHARGE SIZE : **10** LB. SHOT DEPTH **41-43 FT**
SHOT PATTERN : **SINGLE HOLE**
GEOPHONIC ARMAT : **Freezing - 2 strings over 200 ft.**
SPREAD LAYOUT : **2750'-N55°-W-2250'-E750'**
REMARKS :

STATIC CORRECTION BY : **UNION OIL COMPANY LIMITED**STACK : **600 %**

DATUM OR FLOATING HORIZON :

CORRECTION DATUM ELEVATION : **1,000 ft.**DATUM VELOCITY : **18,000 ft/sec.**FLATTENER AT **SEC.**FILTER : **LOW CUT 25 LOW PASS 30 HIGH PASS 80 HIGH CUT 80**DECONVOLUTION : ☐ BEFORE ☐ AFTER STACK☐ TRIM STATICS ☐ 2-D FILTER ☐ POWER STACK☐ TRIM NANO ☐ MIXPROCESSING SAMPLE RATE : **2 MS** ☐ POWERTRACE☐ BANDS ☐ SPECTRAL ☐ VVF

PROCESSING APPLIED :

1) **SWP - GAIN RECOVERY ONLY**2) **EXGAIN**3) **EXGAL - EXPONENTIAL GAIN APPLIED-AUTOMATIC SCALING**4) **PREGIT**5) **MERGE**6) **RES - NOISE, KILL, ELEVATION STATICS, INDIVIDUAL TRACE**7) **RES - TRIMING TRACE METER + PERMANENT METER**8) **FEED - 25/25 - 80/80**9) **GATEMETER - FRONT END METER, DIST. 1" - 150 msec.**10) **ATOR - AUTOMATIC STATICS, 0.400-0.900 WINDOW, 16 STATIC.**11) **GATEMETER - GATEMETER + STACK WITH ATOS STATICS**DATE : **MARCH 1975**REL NOS : **FIELD 13277 MERGE 9164 OTHERS****13278 9165**

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

1.600 17,100

SUBSURFACE TRACE SPACING **55 FT****uni n**

CONFIDENTIAL INFORMATION

NOT TO BE RELEASED UNTIL 4 1978

APPROVED FOR RELEASE :

BY : **GO 569-E**

UNION OIL COMPANY OF CANADA LIMITED