

028-06-06-065-18

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AREA : HORTON RIVER, N.W.T.
LINE : W-21
PROJECT NO : GO 569-E

DIRECTION : SOUTHEAST

TYPE SHOOTING: SURFACE
SHOT BY: WESTERN GEOPHYSICAL PARTY P-35
DATE SHOT: DECEMBER 1976 - FEBRUARY 1975
FIELD RECORDING: ☒ DIGITAL ☐ ANALOG
FIELD INSTRUMENTS: DPH 111
TAPES SYSTEM: 9 TRACKS
NO. OF TRACKS PER 5 P: 48
DIGITAL FORMAT: STEREO
RECORD LENGTH: 3,000 SEC
TAPES: LOW 18 SEC HIGH 126 SEC
GAIN INFORMATION: ☐ PGC ☐ GAGE ☐ AGC ☐ BINARY
SWEEP FREQUENCY: FROM HZ TO HZ
SWEEP LENGTH: SEC
NO. OF VIBRATIONS: NO. SWEPT
TYPICAL GROUND SIZE: 10 IN. S.W.P. DEPTH 45-45 FT
SHOT METER: SILENT ROLLS
GEOPHONE ARRAY: Varying - 2 strings over 200 ft.
SPREAD: 150' - 110' - 110' - 2640' S.P. 1-15
2750' - 220' - 220' - 2750' S.P. 16-116
REMARKS:

STATIC CORRECTION BY: UNION OIL COMPANY LIMITED

STACK: 600%

DATUM OR RELATING: HORIZON

CORRECTION: DATUM ELEVATION: 1,000 ES.

DATUM VELOCITY: 18,000/ft/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

☐ BANDS ☐ SPECTRAL ☐ POWERTRACE☐ VELS ☐ VVF

PROCESSING APPLIED:

1) DPH - GAIN RECOVERY ONLY

2) ENGAGE

3) ENGAGE - EXPONENTIAL GAIN APPLIED-AUTOMATIC SCALING

4) PREDET

5) MUSE

6) NMO - MOVEMENT, KILLS, ELEVATION STATICS, INDIVIDUAL TRACE

7) NMO - INSIDE TRACE NOTES - PERMANENT NOTES

8) FETTER - 15/10 - 60/90 2640' - 230 msec.

9) GATWISTAK - FRONT END NOTES - DIST. 1' - 150 msec.

10) ATUS - AUTOMATIC STATICS, 0.400-0.800 MSEC, 16 STATICS

11) GATWISTAK - GATHER - STACK WITH ATUS STATICS

DATE: MARCH 1975

REEL NOS: FIELD 13283 MERGE 5757 OTHERS

13284 5766

13285 5767

REMARKS:

POLARITY REVERSED IN PLUT.

VELOCITY FUNCTION

TWO: MAX 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

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CONFIDENTIAL INFORMATION

NOT TO BE REPRODUCED BY 4 1975

APPROVED FOR RELEASE

BY: *[Signature]*

Vice President Exploration

UNION OIL COMPANY OF CANADA LIMITED