GREY WOLF Exploration Inc.

NORTH-EAST

AREA : NORMAN WELLS
LINE : NW 98-106
S.P. : 217 - 645
LOCATION : N.W.T.
NTS: 96E1.2

MIGRATED
FK STRUCTURE STACK

REVERSE POLARITY

## RECORDING PARAMETERS

SHOT FOR : GREY WOLF EXPLORATION INC.
SHOT BY : GREY WOLF EXPLORATION LTD.
ACQUISITION DATE : SEPTEMBER 1998
ENERGY SOURCE : 2 SLEDGE HAMMERS, 5-TITAN-315, SENCED 10% + AUXILIARY PICKUP SRC-4 ADC, 8-10 HZ +ADD/OCT. 1.5 SEC START/END TAPER

RECORDING SYSTEM : I/O SYSTEM THO
FORMAT : SEG-D
HIGH CUT FILTER : 187 HZ
NOTCH FILTER : OFF
GEOPHONES : GEOPH L-21B. 10 HZ. 6 OVER 15 M
RECORD LENGTH : 5000 MS

NO. OF CHANNELS : 1008
GROUP INTERVAL : 15 M
SHOT INTERVAL : 180 M S.P. 189-936
FOLD : 126
S.P. INTERVAL : 30 M S.P. 841-1441
FOLD : 63

SPREAD DIAGRAM




PROCESSED BY
Veritas DGC Seismic Processing Ltd.
DATE : APRIL 1998
PROCESSOR : DAVID LEE
Q.C. : ROBERT BERNSTEN

## PROCESSING SEQUENCE

1. DEMULTIPLEX / REFORMAT
2. ASSIGN GEOMETRY
3. TRACE EDITS
4. AMPLITUDE RECOVERY
   EXPONENTIAL GAIN CORRECTION
5. DECONVOLUTION
   TYPE : S-COMPONENT SURFACE-CONSISTENT SPIKING
   OPERATOR LENGTH : 88 MS
   PREWHITENING : 1.01%
   DESIGN WINDOW
   NEAR OFFSET : 2000 - 20000 MS AOI 0 M
   FAR OFFSET : 1100 - 20000 MS AOI 2073 M
6. TRACE EQUALIZATION
   WINDOW : 2000 - 20000 MS AOI 0 M
   : 1100 - 20000 MS AOI 2073 M
7. ELEVATION, WEATHERING AND DRIFT CORRECTIONS
   TYPE : DELAY TIME
   DATUM ELEV MSL : 300 M
   REPL VELOCITY : 2000 M/S
   WEATHERING VEL. : 1800 M/S
   BULK SHIFT : 0 MS
8. CDP S
9. NMO CO ACTION (PRELIMINARY)
10. SURFACE-CONSISTENT RESIDUAL STATICS
    TYPE : SURFACE-CONSISTENT RESIDUAL STATICS COMPUTATION
    WINDOW : 2000 - 20000 MS TRACE SELECTION FILTER
    Q.C. : COMMON SHOT AND RECEIVER STACKS
11. FINAL NMO CORRECTION
    MAX STRETCH INCREMENT : 2000 %
    FINAL DATUM : 300 M ELEVATION FLOATING DATUM.
    SHIFT TO SLIP AT TOP OF SECTION)
12. FK NOISE ATTENUATION - SHOT DOMAIN
    TYPE : TIME DOMAIN IMPULSE RESPONSE
    DIP FILTER : +-2.5 MS/TR
    MODEMOD : 0 %
13. MUTE
    OFFSET DISTANCE (M) : 1800 3600 6300 1410 27000
    TIME (MS) : 10 200 450 700 1500
14. CDP TRIM STATICS
    WINDOW : 100 - 2000 MS MAX. +/- 10 MS
15. STACK
16. FK NOISE ATTENUATION (4.0 - 500 HZ)
    TYPE : 15 TRACES X 500 MS
    FILTER LEN. : 15 TRACES
    MODEMOD : 4MS
17. MIGRATION
    TYPE : OMEGA-K FINITE DIFFERENCE
    PASS : 3 SEPARATE
    DIP STEP : 90 DEGREES
    VELOCITY : 1DMS STACKING
18. FILTER
    TYPE : ZERO PHASE BANDPASS
    PASS BAND : 18/14 - 85/100 HZ
19. TRACE EQUALIZATION
    WINDOW : 700 - 2000 MS

## DISPLAY PARAMETERS

HORIZONTAL SCALE : 48 TRACES/INCH
VERTICAL SCALE : 7.5 INCHES/SECOND

TRIATHLON 2800 Woolley Road Ottawa, ON K1V 7P2 (613) 731-4671

PROJ. NO. 8229 C134-1E LINE NO. NW 98-106 PART NO. 1 OF 1 R.R. 5.5X

0 10 20 30 40 50