

9227-R36-1DA



REVERSE POLARITY
NOISE ATTENUATED MIGRATED STACK

LINE : NAE-63-23
PROSPECT NAME : FT. NORMAN
STATIONS : SP 1235 (NW) ... SP 1353 (SE)
LOCATION : EL372
DATUM : 500 M ASL
R.V. : 3048 M/S

DATE PROCESSED : AUGUST 1995 DATE SHOT : JANUARY 1969
SHOT BY : RAY GEOPHYSICAL LTD.
SHOT FOR : MOBIL OIL CANADA

FIELD PARAMETERS

SOURCE TYPE DYNAMITE
LAYOUT THREE HOLES
SOURCE INTERVAL 137.1 M
GROUP INTERVAL 45.7 M
CHARGE SIZE/DEPTH 3 X 3.1 KG / 15.2 M

SPREAD COVERAGE 400%
SPREAD TRACE 1 12 S/P 13 24
DISTANCE 548.4 45.7 0 45.7 548.4

RECEIVER TYPE EVS 20
LAYOUT 5 GEOPHONES OVER 45.7 M

INSTRUMENT MODEL TI 10,000
FIELD FILTER 17 - 10 HZ
TAPE FORMAT 17
RECORD LENGTH 3 SEC
SAMPLE RATE 2 MS



VERITAS SEISMIC

PROCESSING PARAMETERS

- DEMULTEX
PROCESSED LENGTH: 2000 MB
SAMPLE RATE: 2 MS
- AMPLITUDE RECOVERY
TYPE: T-SQUARE FUNCTION
A-T**N N*0.002 A+1.0
- GEOMETRY
TYPE: STRAIGHT LINE
- DECONVOLUTION
PAGE (1): SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 63 MB
PREWHITENING: 500 - 1700 MB AT 91 M OFFSET
DESIGN GATE 1: 400 - 1300 MB AT 548 M OFFSET
PAGE (2): ZERO-PHASE (POST NORMAL MOVEOUT)
OPERATOR LENGTH: 69 MB
PREWHITENING: 1.0 S
DESIGN GATE 1: 500 - 1700 MB AT 45 M OFFSET
DESIGN GATE 2: 400 - 1800 MB AT 548 M OFFSET
- RESIDUAL AMPLITUDE ANALYSIS
TYPE: APPLICATION TIME AND DISTANT DEPENDENT
- STRUCTURE STATICS
METHOD: G.L.I.
NEUTERING VELOCITY: 300 M/S
DATUM ELEVATION: 500 M ASL
REPLACEMENT VELOCITY: 3048 M/S
PROCESSING DATUM: SURFACE
- TRACE GATHER
MAXIMUM FOLD: 500 %
- PRELIMINARY VELOCITY ANALYSIS
TYPE: VERITAS INTERACTIVE VELOCITY ANALYSIS
REFERENCE: PROCESSING DATUM
- STATICS - AUTOMATIC SURFACE CONSISTENT
WINDOW: 500 - 1550 MB
FILTER: 10/15 - 70/95 HZ
MAX. STATIC: +/- 35 MB
- MANUAL TRACE EDITS
- FINAL VELOCITY ANALYSIS
TYPE: VERITAS INTERACTIVE VELOCITY ANALYSIS
REFERENCE: PROCESSING DATUM
FREQUENCY SPACING: EVERY 45 COMMON DEPTH POINTS
OFFSET DESIGN: 45.7 TO 548.4 BY 45.7
OFFSET WIDTH: 45.7
- SPIKE ATTENUATOR (BLAST)
THRESHOLD: 4:1
- STATICS - CDP TRIM
WINDOW: 500 - 1800 MB
FILTER: 10/15 - 80/95 HZ
MAX. STATIC: +/- 12 MB
- VELOCITY VERIFICATION
METHOD: COMMON OFFSET STACKS WITH N.M.O.
AND STATICS APPLIED
- FIRST BREAK MUTES
DISTANCE: 272 288 550 M
TIME: 0 200 500 MS
- STACK
MAXIMUM FOLD: 500 %
- FINITE DIFFERENCE MIGRATION
STACKING VELOCITIES: 100 %
- NOISE ATTENUATION (F-X DECON.)
FREQUENCY RANGE: 10 - 100 HZ
- FILTER - DIGITAL BANDPASS
FILTER (HZ): 10/15-80/95
APPLICATION GATE (MB): 0 - 2000
- AMPLITUDE EQUALIZATION
TYPE: MEAN SCALING
DESIGN GATE: 200 - 500
500 - 2000
APPLICATION TIME (MB): 0 800

DISPLAY PARAMETERS

HORIZONTAL SCALE 16.32 TRACES PER INCH
VERTICAL SCALE 7.5 INCHES PER SECOND

17 OCT 1995

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