

9227-R36-1DA



REVERSE POLARITY
NOISE ATTENUATED MIGRATED STACK

LINE : NAE-63-05
PROSPECT NAME : FT. NORMAN
STATIONS : SP 1352 (NW) ... SP 345 (SE)
LOCATION : EL372
DATUM : 500 M ASL
R.V. : 3048 M/S

DATE PROCESSED : AUGUST 1995 DATE SHOT : DECEMBER 1968
SHOT BY : RAY GEOPHYSICAL LTD.
SHOT FOR : MOBIL OIL CANADA

FIELD PARAMETERS

SOURCE TYPE DYNAMITE
LAYOUT TWO HOLES OVER 91.4
SPREAD SOURCE INTERVAL 91.4 M
GROUP INTERVAL 45.7 M
CHARGE SIZE/DEPTH 2 X 1.1 KG / 15.2 M
SPREAD COVERAGE 600%
SPREAD TRACE 1 12 S/P 13 24
DISTANCE 548.4 45.7 0 45.7 548.4
RECEIVER TYPE EVS 20
LAYOUT 9 GEOPHONES OVER 45.7 M
INSTRUMENT MODEL TI 10,000
FIELD FILTER 17 - 70 HZ
TAPE FORMAT 3 SEC.
RECORD LENGTH 2 SEC.
SAMPLE RATE 2 MS



PROCESSING PARAMETERS

- DEMULITEX
PROCESSED LENGTH: 2000 MS
SAMPLE DATE: 2 MS
- AMPLITUDE RECOVERY
TYPE: T-SQUARE FUNCTION
A-T-T-N H=0.002 A=1.0
- GEOMETRY
TYPE: CROOKED LINE
- DECONVOLUTION
PASS (1): SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREWHITENING: 0.1 %
DESIGN GATE 1: 200 - 1700 MS AT 91 M OFFSET
DESIGN GATE 2: 400 - 1800 MS AT 548 M OFFSET
PASS (2): ZERO-PHASE (POST NORMAL MOVEOUT)
OPERATOR LENGTH: 80 MS
PREWHITENING: 0.1 %
DESIGN GATE 1: 200 - 1700 MS AT 45 M OFFSET
DESIGN GATE 2: 400 - 1800 MS AT 548 M OFFSET
- RESIDUAL AMPLITUDE ANALYSIS
TYPE: APPLICATION TIME AND DISTANT DEPENDENT
- STRUCTURE STATICS
METHOD: C.L.I.
WEATHERING VELOCITY: 500 M/S
DATUM ELEVATION: 500 M ASL
REPLACEMENT VELOCITY: 3048 M/S
PROCESSING DATUM: SURFACE
- TRACE GATHER
MAXIMUM FOLD: 900 %
- PRELIMINARY VELOCITY ANALYSIS
TYPE: VERITAS INTERACTIVE VELOCITY ANALYSIS
REFERENCE: PROCESSING DATUM
- STATICS - AUTOMATIC SURFACE CONSISTENT
METHOD: SURFACE CONSISTENT
WINDOW: 500 - 1800 MS
FILTER: 10/15 - 80/85 HZ
MAX. STATIC: +/- 30 MS
- 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
METHOD: SURFACE CONSISTENT
WINDOW: 500 - 1800 MS
FILTER: 10/15 - 80/85 HZ
MAX. STATIC: +/- 12 MS
- VELOCITY VERIFICATION
METHOD: COMMON OFFSET STACKS WITH N.M.O.
AND STATICS APPLIED
- FIRST BREAK MUTES
DISTANCE: 270 288 550 M
TIME: 4 300 500 MS
- STACK
MAXIMUM FOLD: 900 %
- FINITE DIFFERENCE MIGRATION
STACKING VELOCITIES: 100 %
- NOISE ATTENUATION (F-X DECON.)
FREQUENCY RANGE: 10 - 100 HZ
- FILTER - DIGITAL BANDPASS
FILTER (HZ): 10/15-80/85
APPLICATION GATE (MS): 0 - 2000
- AMPLITUDE EQUALIZATION
TYPE: DESIGN GATE
DESIGN GATE: 200 - 500
500 - 2000
MEAN SCALING: APPLICATION TIME (MS)
0 500
0 500

DISPLAY PARAMETERS

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

17 OCT 1995

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