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0229-P28-5E

LINE 8418
SP 101 TO 379

PETRO CANADA
AREA : GREAT BEAR LAKE
NTS 96B

NORTHEAST ← → DIRECTION SHOT

MIGRATED STACK (NORMAL POL.)

FIELD DATA

RECORDED BY : WESTERN GEOPHYSICAL PARTY 302
DATE : JANUARY - MARCH 1985

INSTRUMENTATION

AMPLIFIERS : DFS V
RECORDERS : DFS V
PRIMARY FILTER : 8-128 HZ
RECORD LENGTH : 6.0 SECONDS
SAMPLE RATE : 2 MSECS
DENSITY : 1600 BPI
GEOPHONE TYPE : LRS 14 HZ

RECORDING SPREAD

ENERGY SOURCE

SHOT INTERVAL : 30 METERS
SHOT POINT INTERVAL : 120 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONE ARRAY : 6 GEOPHONES INLINE 20'X'6 METERS

TYPE : DYNAMITE
WEIGHT : 2 KGS PER HOLE
HOLE DEPTH : 18 METERS
PATTERN : SINGLE HOLE

CONFIGURATION

DIGITAL PROCESSING

DATUM : 305 METERS A.S.L. REPLACEMENT VELOCITY : 2450 METERS/SECOND

1. DEMULTIPLEX : OUTPUT AT 2 MSEC. SAMPLING TO 3 SECONDS
2. TRACE EDITING : FROM FIELD MONITORS
3. STATICS COMPUTATIONS : WEATHERING STATICS FROM FIRST BREAK ANALYSIS
4. TRUE AMPLITUDE RECOVERY : T SQ/SEC FROM 0 TO 3.0 SECONDS
5. FIRST BREAK NOISE SUPPRESSION
6. DECONVOLUTION : ONE OPERATOR OF 80 MSEC (2.5 PERCENT WHITE NOISE LEVEL) DESIGN GATES: 300 TO 1500 MSEC. NEAR TO 800 TO 2250 MSEC. FAR TO
7. EQUALIZATION
8. RESIDUAL STATICS ANALYSIS : SURFACE CONSISTENT AUTOMATIC STATICS (NEGATE) PLUS TRIM STATICS
9. RELATIVE STATICS - RESIDUAL STATICS APPLICATION
10. NORMAL MOVEOUT CORRECTION : VELOCITY ANALYSIS FROM HELICANS (BEFORE AND AFTER AUTOMATIC STATICS)
11. MEAN DATUM STATICS APPLICATION
12. STACK MUTE : TIME(IN MSEC) OFFSET(S) IN METERS)
    0 0
    1000 204
    1500 1017
    2250 1017
13. CDP STACK : 12 FOLD
14. MIGRATION : MOVE EQUATION MIGRATION KIRCHOFF F/K DOMAIN SUP 1.5WITER
15. TIME INVARIANT FILTER : 10/20 - 50/60 HZ
16. TIME VARIANT SCALING : (10.0 100)(200.200.300.500 MSEC. GATES START TIME = 0 MSEC.

DISPLAY POLARITY : NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE.)

DISPLAY

HORIZONTAL SCALE - 50.0 TR/IN
VERTICAL SCALE - 2.0 SECS IN / SEC
POLARITY - NORMAL
TRACE TYPE - BIAS - NTHER
DISPLAY UNIT - 0.0 PERCENT
- 0.01SEM IN

AD 6000AR TR/MM

DISPLAY GAIN	
MIN	MAX
0K	20K

08 JUN 1985
20:35:37

CALGARY LAND 8430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LIGUSKI

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PROJ. NO. 0229-P28-5E

LINE NO. 8418

PART NO. 1 OF 2

R.R. 8X

Ottawa, Ont.
Canada K1G 3P5
Tel.(613) 731-8571
Telex: 053-3502
Cable: TERRA

terra
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
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