



2080 Walker Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex 053 3502
Cable TERRA

PROJ. NO.

9 2 2 9 - A 3 1 - 1 E

LINE NO. W 8 4 - B Z

PART NO. 1 OF 2

R.R. 8X

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70

LINE W84-BZ

SP 85-361

NORTH

MIGRATED STACK

TEXACO CANADA RESOURCES

SOUTH HOOSIER



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
JUNE 1984
Q.C. PAUL CHERNOFF

FIELD RECORDING

SHOT BY	WESTERN GEOPHYSICAL
DATE SHOT	APRIL 1984
PARTY	367
SOURCE	DYNAMITE
CHARGE	2 KG
DEPTH	14 M
PATTERN	ONE HOLE
SHOT INTERVAL	134 M
GEOPHONE INTERVAL	33.5 M
PATTERN	8 OVER 33.5 M
TYPE	SENSOR SM-7/30 HZ
NUMBER OF GROUPS	96
SPREAD	608-33.5-X-33.5-1608 M
INSTRUMENT TYPE	DPS V
TAPE FORMAT	SEGB
GAIN MODE	1PF
FIELD FILTER	12/128 HZ
NOTCH FILTER	OUT
SAMPLE INTERVAL	2 MS

DIGITAL PROCESSING

- DEMULITPLEX AND BINARY GAIN REMOVAL
RECORD LENGTH 2 SECONDS
SAMPLE INTERVAL 2 MS
- CDP GATHERS
FOLD 1200 PERCENT
- AUTOMATIC GAIN RECOVERY
- INSTRUMENT PHASE COMPENSATION
- DECONVOLUTION-SPIKING
80 MS OPERATOR
PREWHITENING ONE PERCENT
WINDOW 100-1500 MS
- DATUM AND WEATHERING STATICS
DATUM 100 M
REPLACEMENT VELOCITY 3500 M/S
WEATHERING VELOCITY 610 M/S
- SURFACE CONSISTENT RESIDUAL STATICS
WINDOW 200-1500 MS
CORRELATION LAG +/- 40 MS
- VELOCITY ANALYSIS
SEMBLANCE TYPE
- NORMAL MOVEOUT
- SURFACE CONSISTENT RESIDUAL STATICS
WINDOW 200-1500 MS
CORRELATION LAG +/- 30 MS
- MUTE
0 MS AT 135 M
100 MS AT 150 M
650 MS AT 1608 M
- CDP STACK
1200 PERCENT
- BANDPASS FILTER
9/15-100/110 HZ
- EQUALIZATION
- MIGRATION
TIME DOMAIN WAVE EQUATION
90 PERCENT OF STACKING VELOCITIES USED
- FILM DISPLAY
12 TPI
10 IPS

REVERSE POLARITY

TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS	TIME	VRMS
0	3400	0	3200	0	3100	0	3000	0	2900
100	3550	100	3350	100	3250	100	3150	100	3050
200	3650	200	3450	200	3350	200	3250	200	3150
300	3750	300	3550	300	3450	300	3350	300	3250
400	3850	400	3650	400	3550	400	3450	400	3350
500	3950	500	3750	500	3650	500	3550	500	3450
600	4050	600	3850	600	3750	600	3650	600	3550
700	4150	700	3950	700	3850	700	3750	700	3650
800	4250	800	4050	800	3950	800	3850	800	3750
900	4350	900	4150	900	4050	900	3950	900	3850
1000	4450	1000	4250	1000	4150	1000	4050	1000	3950
1100	4550	1100	4350	1100	4250	1100	4150	1100	4050
1200	4650	1200	4450	1200	4350	1200	4250	1200	4150
1300	4750	1300	4550	1300	4450	1300	4350	1300	4250
1400	4850	1400	4650	1400	4550	1400	4450	1400	4350
1500	4950	1500	4750	1500	4650	1500	4550	1500	4450
1600	5050	1600	4850	1600	4750	1600	4650	1600	4550
1700	5150	1700	4950	1700	4850	1700	4750	1700	4650
1800	5250	1800	5050	1800	4950	1800	4850	1800	4750
1900	5350	1900	5150	1900	5050	1900	4950	1900	4850
2000	5450	2000	5250	2000	5150	2000	5050	2000	4950

LINE W84-PJ
S.P. 273

LINE W84-CN
S.P. 386



