



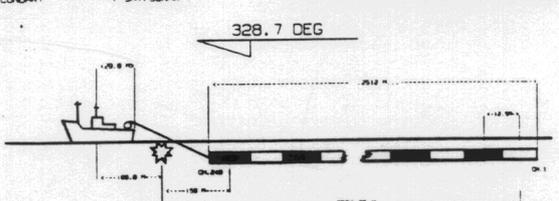
BRIDGE OIL LTD

LINE : BB90-188
S.P : 101-2332
AREA : SE BASS BASIN
PERMIT : T/15P

MIGRATED STACK

RECORDING PARAMETERS

RECORDED BY	MALCOLM GEOPHYSICAL SERVICES INC.	SOURCE	1 VSK SLEEVE AIRGUN ARRAY
PARTY NO.	2903	ENERGY SOURCE	3 X 8 M.
WELL NO.	M/V MAGNIFICENT CREEK	AIRGUN SPREAD	240 CHANNEL
DATE RECORDED	NOVEMBER 1988	ARRAY VOLUME	2188 C.J. IN.
		AIRGUN PRESSURE	1800 PSI.
		TIMING DELAY	51.2 MSEC.
		GUN DEPTH	6.8 M.
		SHOTPOINT INTERVAL	25 M.
		SOURCE TO ANTENNA	186.8 M.
		STREAMER	
		NO. OF GROUPS	MULTI-PLEX (P.I.) 1 IN 1
		STREAMER LENGTH	2512 M.
		NEAR OFFSET	158 M. (AVERAGE)
		FAW OFFSET	2864.25 M. (AVERAGE)
		Avg. STREAMER DEPTH	18.5 M. (TRACES 1-182)
		GROUP INTERVALS	12.5 M. (TRACES 1-182) 6.25 M. (TRACES 183-240)



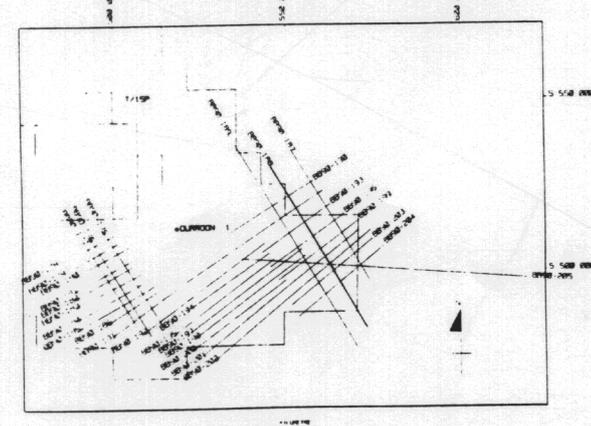
PROCESSING SEQUENCE

- (1) TRANSCRIPTION
SEG-D FIELD TAPES TO DIGICON INTERNAL FORMAT
DATA LENGTH: 5 SEC.
SAMPLE RATE: 2 MSEC.
- (2) RESAMPLE
2:1 TO 4 MS MINIMUM PHASE ANTI-ALIAS FILTER
BUTTERWORTH 8 - 112 HZ.
- (3) STATIC CORRECTIONS
GUN DELAY: 51.2 MSEC.
SOURCE CORRECTION: 14.0 MSEC.
STREAMER CORRECTION: 17.8 MSEC.
TOTAL STATIC: 40.2 MSEC.
- (4) EDIT
- (5) 2:1 ADJACENT TRACE SUM
CORRELATION WITH DIFFERENTIAL VMO
TRACES 183-240 (TO GIVE A UNIFORM GROUP INTERVAL OF 2.5M.)
- (6) SPHERICAL DIVERGENCE CORRECTION
SCALAR V.T. USING REPRESENTATIVE VELOCITY FUNCTION.
- (7) GAIN CORRECTION
EXPONENTIAL -12 DB OVER 0.4 - 4.4 SEC.
- (8) VELOCITY FILTER - (FILTER)
SHOT POINT WITH RECOVERABLE AGC 180-3000 DATE
PASS RANGE: 4.22 M/SEC - 5.92 M/SEC.
- (9) 2:1 ADJACENT TRACE SUM
CORRELATION WITH DIFFERENTIAL VMO
- (10) PRE-STACK TRACE EQUALIZATION
RATES: NEAR OFFSET: 320 - 442 MSEC.
FAW OFFSET: 2860 - 3200 MSEC.
- (11) WAVELET DECONVOLUTION
WAVELET DEPENDENT REF. 2.
NO. OPERATIONS PER SOURCE: 4
DETERMINISTIC CORRELATION FOR INSTRUMENT RESPONSE
AND SOURCE'S RESPONSE: 0.95
RESOLUTION GATE: NEAR OFFSET: 122-442 MSEC.
FAW OFFSET: 2820-3200 MSEC.
APPLICATION GATE: WAVELET GATE
RESTRICTION GATE: 2:10 WAVELET GATE 5-92 MZ.

- (12) C.D.P. GATHER
- (13) VELOCITY ANALYSIS 1 - FIRST PASS
2.5 M. INTERVALS USING DIGICONS DEFORMABLE TIME OVER 21 ALTERNATE LOGS AND 11 VELOCITY FUNCTIONS.
- (14) MULTIPLE SUPPRESSION [ZHULT]
F-K TRANSFORM TECHNIQUE - ZHULT FIELD
USING 30% OF 1ST PASS VELOCITY FIELD
DELETED FROM STEP (13).
- (15) DIP MOVEOUT COMPENSATION 1 - F-K METHOD
- (16) VELOCITY ANALYSIS 1 - 2ND PASS
2.5 M. INTERVALS USING DIGICONS DEFORMABLE TIME OVER 21 ALTERNATE LOGS AND 11 VELOCITY FUNCTIONS.
- (17) N.M.O. CORRECTION
USING 2ND PASS VELOCITY FIELD
VELOCITIES AS ANNOTATED ABOVE SECTION
- (18) PRE-STACK TRACE MUTES
OUTER TRACE MUTE: OFFSET (M.): 320 442 2858
TIME (MSEC.): 3 120 3588
- (19) COMMON DEPTH POINT STACK
MAXIMUM FOLD: 51
- (20) DECONVOLUTION
TYPE: PREDICTIVE GAP: 18 MSEC.
OPERATOR LENGTH: 220 MSEC.
WHITE NOISE GATED: 12
DESIGN GATES: 300-3000 MSEC. & 2520-4320 MSEC.
APPLICATION GATES: 0-2500 MSEC. & 3200-5200 MSEC.
- (21) TIME VARIANT BANDPASS FILTER
TIME (SEC.): PASSBAND (MSEC. / DB/OCT)
0.0 - 0.6 14/18 - 25/36
3.2 18/18 - 50/36
4.2 - 5.8 8/18 - 30/36
- (22) TRACE EQUALIZATION
DATE TIME START (MSEC.): DATE TIME END (MSEC.):
0 220
220 420
420 800
800 1200
1200 1700
1700 2200
2200 2800
2800 3200
3200 4200
4200 4700
- (23) MIGRATION
THE KIRCHHOFF ALGORITHM
PERCENTAGE OF SMOOTHED RMS VELOCITIES USED
0.8 - 5.8 MSEC. 90% SMOOTHED MIGRATION

DISPLAY PARAMETERS

HORIZONTAL SCALE: 50.8 T.P.C. / 20 T.P.C. (1:125.000)
 VERTICAL SCALE: 3.75 IN./SEC. 9.525 CM/SEC.
 DISPLAY GAIN: 0.80
 RECORDED: COMPRESSION RECORDED AS NEGATIVE NUMBER
 ON TAPE
 DISPLAYED: GAIN POLARITY NORMED ON DISPLAY WITH A
 COMPRESSION REPRESENTED BY A WHITE TROUGH.
 0.0 M: MEAN SEA LEVEL
 0.0 ANNOTATION: SHOTPOINTS ANNOTATED TO ANTENNA POSITION.



PROCESSED BY : DIGITAL EXPLORATION LTD.
DIGICON, BRISBANE

PROCESSOR : S. J. JESTICO
D.C. : S. KHAN
DATE : JANUARY 1991

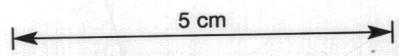


FIG. 2: Standard Data Processing Flow