LINE BB82A-15

S.P. 1 TO 366

BASS STRAIT OIL, GAS N.L.
T 18P
SYDNEY PROCESSING CENTRE

63 DEGREES — DIRECTION SHOT

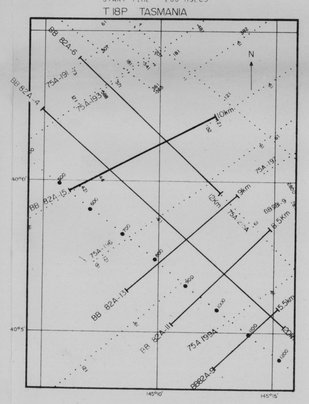
MSTK TVD/TVF/TVS

FIELD DATA

DATA RECORDED	SSI PARTY 2993 M.V. LADY VILMA
DATE RECORDED	APRIL 1982
RECORDING INSTRUMENTS	DFS-V
RECORDING FILTERS	HIGH FILTER AND SLOPE 128 HZ 72 DB/OCT LOW FILTER AND SLOPE 8 HZ 18 DB/OCT
RECORDING POLARITY	A POSITIVE PRESSURE AT THE GEOPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD MONITOR RECORD
DIGITAL TAPE FORMAT	SEG B 1600 BPI PHASE ENCODED
RECORD LENGTH / SAMPLE RATE	5.0 SECONDS AT 2 MILLISECOND SAMPLE RATE
ENERGY SOURCE	4075 CU. IN. AIRGUN ARRAY OPERATING AT 2000 PSI
GUN DELAY	51.2 MILLISECONDS
SOURCE DEPTH	6 METRES AVERAGE
SOURCE TO ANTENNA DISTANCE	57.88 METRES
SHOTPOINT INTERVAL	33.3 METRES: 1 POP PER SHOTPOINT
SHOTPOINT ANNOTATION	SHOTPOINTS ANNOTATED AT SOURCE POSITION
CABLE LENGTH	3200 METRES 96 GROUPS
CABLE DEPTH	13 METRES AVERAGE
GEOPHONES	20 PER GROUP
COVERAGE	48 FOLD 96 TRACE
PRIMARY NAVIGATION SYSTEM	MAXIRAN
BACKUP NAVIGATION SYSTEM	GEONAV

SPREAD DIAGRAM

DIGITAL PROCESSING

POLARITY CONVENTION	THE POLARITY OF THE FIELD RECORDING WAS MAINTAINED THROUGHOUT THE PROCESSING AND DISPLAY
PROCESSING RECORD LENGTH	5.0 SECONDS
RESAMPLE	MINIMUM PHASE RESAMPLE FROM 2 TO 4 MSEC
PROCESSING SAMPLE RATE	4 MILLISECONDS
STATIC CORRECTIONS	SHOT AND STREAMER STATIC 13 MILLISECONDS AIRGUN DELAY 51.2 MILLISECONDS
TRUE AMPLITUDE RECOVERY	7.0 DB PER SECOND FROM 0 TO 5.0 SECONDS SPHERICAL DIVERGENCE CORRECTIONS APPLIED
PRE DECONVOLUTION MUTE	RAMP LENGTH : 96 MSECS OFFSET(M) START TIME(MSECS) 496 0 929 500 1836 1900 3495 3000
DESIGNATURE - V4	STANDARD MARINE WAVELET
VELOCITY ANALYSIS	USING 5 DEPTH POINT VELSCAN ANALYSES LOCATED 1 EVERY 3 KMS
NORMAL MOVEOUT CORRECTION	USING ANNOTATED VELOCITIES (CHOSEN BY CLIENT)
FIRST BREAK SUPPRESSION	START TR 2 AT 0 MSECS START TR 3 AT 500 MSECS START TR 21 AT 1800 MSECS START TR 48 AT 3400 MSECS
COMMON DEPTH POINT STACK	48 FOLD CDP STACK TO 5.0 SECONDS
MIGRATION STACK	WAVE EQUATION - WIDE ANGLE TO 4.0 SECONDS
TIME VARIANT DECONVOLUTION	GAPPED 2 GATES FILTER LENGTH 208MS : GAP 32MS START TIME 200MS FREQUENCY (HZ) TIME (MSEC) 15 65 0 15 40 800 12 50 1500 10 45 2200 10 35 3000 10 30 4000
TIME VARIANT SCALING	USING 2000 MSEC GATES START TIME 200 MSECS

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