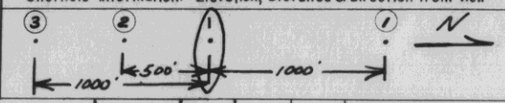
5 cm

Shothole information:- Elevation, Distance & Direction from Well



Company	Well	Elevation (Derrick Floor)	Total Depth
ESSO EXPLORATION AUSTRALIA INC.	ESSO BASS-1	31 ft.	7717' Sub D.F.

LOCATION

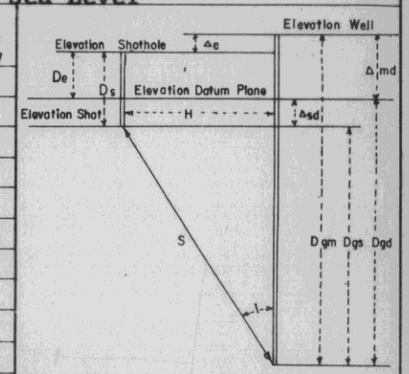
Coordinates	Section, Township, Range	County	Area or Field
E375070 N1099383	DATUM : Sea Level	Bass Strait	Tasmania

Record Number	Shothole Number	Time of Shot	Dgm	Ds	tus	tr	T Reading	T Polarity	T Grade	Dgs	H	TAN i	Cos i	Tgs	Δsd	Δsd/V	Tgd	Tgd Average	Dgd	Δ Dgd	Δ Tgd	Vi Interval Velocity	Va Average Velocity
10	3	16.45	2210	10		.121	.323		F	2169	605	.2789	.963	.311	10	.002	.313	.313	2179				6962
8	3	16.20	2531	10		.121	.364		P	2490	605	.2430	.972	.354	10	.002	.356	.356	2500	321	.043	7465	7022
1	1	14.30	3772	25		.206	.527		G	3716	1030	.2772	.964	.508	25	.005	.513		3741	1241	.158	7854	
7	2	16.05	3772	10		.212	.532		G	3731	1060	.2841	.962	.512	10	.002	.514	.514	3741				7278
2	1	15.00	5891	10		.214	.763		G	5850	1070	.1829	.984	.751	10	.002	.753		5860	2119	.239	8866	
6	2	15.50	5891	10		.206	.762		G	5850	1030	.1761	.985	.751	10	.002	.753	.753	5860				7783
5	2	15.40	6427	25		.211	.802		F	6371	1055	.1656	.987	.791	25	.005	.796	.796	6396	536?	.043?	12465?	8035?
3	1	15.20	7671	10		.194	.923		F	7630	970	.1271	.992	.916	10	.002	.918)*		7640	1244?	.121?	10281?	
4	2	15.25	7671	10		.224	.924		F	7630	1120	.1468	.989	.914	10	.002	.916)	.917	7640				8332?
																		.917	7640	1780	.164	10860	8340

* Without No.5

Polarity Check: Well Phone-down, Reference Phone-Up

*Note: the values for shot No.5 at -6396 indicate an inversion not shown on the sonic log ∴ this shot has been ignored.



Dgm = Geophone depth measured from well elevation
Dgs = " " " " shot "
D gd = " " " " datum "
Ds = Depth of shot
De = Shothole elevation to datum plane
H = Horizontal distance from well to shotpoint
S = Straight line travel path from shot to well geophone
tus = Uphole time at shotpoint
T = Observed time from shotpoint to well geophone.
tr = " " to reference geophone.
Δe = Difference in elevation between well & shotpoint.
Δsd = " " " " shot & datum plane
Δsd = Ds-De
Dgs = Dgm- Ds± Δe ; $\tan i = \frac{H}{Dgs}$
Tgs = cos i. T= Vert. travel time from shot elev. to geophone
$Tgd = Tgs \pm \frac{\Delta sd}{V}$ = " " " " datum plane " "
Dgd = Dgm- Δmd
Vi = Interval velocity = $\frac{\Delta Dgd}{\Delta Tgd}$
Va = Average = $\frac{D\,gd}{T\,gd}$

Surveyed by: Western Geophysical
Date: 8 Sept. 1965

Weathering Data:
15-20 mph winds
seas became rougher as the survey progressed.

Record
2283 Sub. D.F.

4C-1046