362018

Company	Well	Elevation (Derrick Floor)	Total Depth
ESSO EXPLORATION AUSTRALIA INC.	DURROON-1	32'	9922' KB

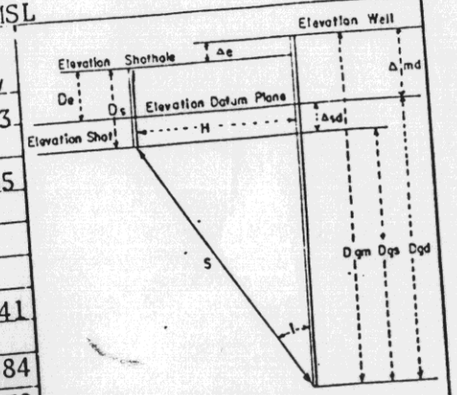
LOCATION

Coordinates	Section, Township, Range	County	Area or Field
40° 32'02.94"S 147° 12'48.49"E	DATUM : MSL	Tasmania	BASS BASIN

Record Number	Shothole Number	Time of Shot	Dgm	Ds	tus	tr	T Reading	T Quality Grade		Dgs	H	TAN I	Cos I	Tgs	Δsd	Δsd/V	Tgd	Tgd Average	Dgd	ΔDgd	ΔTgd	Vi Interval Velocity	Va Average Velocity
J		1655	3100	40	.008	.013	.421	D	F	3028	64			.421		.008		.429	3068			8811	7153
I		1640	3717	40	.008	.013	.491	D	F	3645	64			.491		.008		.499	3685			9139	7385
																			3704				
G		1530	3736	40	.008	.013		D	NG													8041	7641
														.576		.008		.584	4462				7684
F,H		1520,1630	4494	40	.008	.013	.576	D	F	4422	64							.655	5033				7679
														.647		.008		.657	5045			9729	
E		1505	5065	40	.008	.013	.647	D	G	4993	64			.649		.008							7829
			5077	40	.008	.013	.649	D	G	5005	64							.709	5551			11523	
														.701		.008							8516
D		1455	5583	40	.008	.013	.701	D	G	5511	64							.871	7418			13314	
														.863		.008							8887
C		1440	7450	40	.008	.013	.863	D	P	7378	64							.944	8390			14020	
														.936		.008							9357
B		1425	8422	40	.008	.013	.936	D	G	8350	64							1.039	9722				
														1.031		.008							
A		1410	9754	40	.008	.013	1.031	D	F	9682	64												

Shots A to G - velocity lock-in tool used
Shots H to J - pressure tool used.

IBM CALL/360 PROGRAM "WELSUR"



Dgm = Geophone depth measured from well elevation
Dgs = " " " " shot "
Dgd = " " " " 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 ; 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: United Geophysical
Date: 22nd November, 1972
Weathering Data:

Casing Record to 3005'

DWG. 1107/OP/3

5 cm