

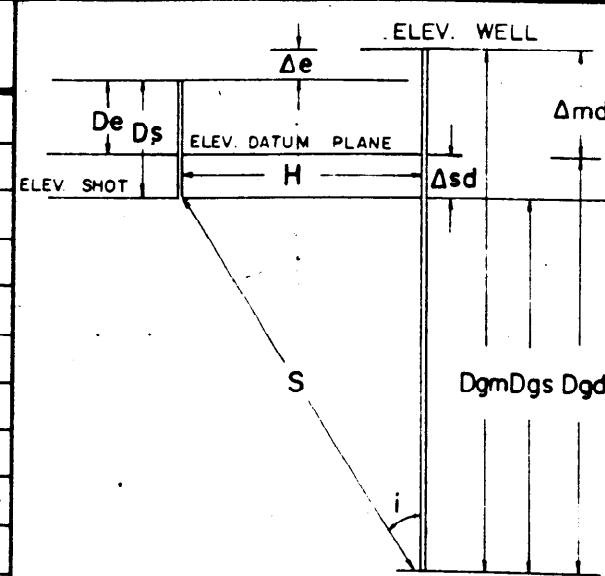
N.	Elev.	Dist.	S.	Elev.	Dist.
B	106'	500'	A	109'	500'
F	101'	1000'	C	101'	1000'
G	100'	1000'	D	102'	1000'
H	100'	1000'	E	103'	1000'
1-24	118'	2770'			

COMPANY : ALLIANCE OIL DEVELOPMENT OF AUSTRALIA N.L.  
WELL : CAROLINE No. 1

ELEVATION : K.B. 124'  
Gr. 107  
TOTAL DEPTH : 6009'

LOCATION : O.E.L. 22, SOUTH AUSTRALIA  
COORDINATES : SECTION, TOWNSHIP, RANGE  
COUNTY :  
AREA OR FIELD :

RECORD NUMBER	SHOT-HOLE NUMBER	Dgm	Ds	Tuh	Thc	T			Dgs	H	Tan i	Cos i	Tgs	Tec	t	Tgd	Tgd AVERAGE	Dgd	Δ Dgd	Δ Tgd	Vi INTERVAL VELOCITY	Va AVERAGE VELOCITY
						READING	S.P. SEIS.	GRADE														
A	A	750	55	.022		.1185		G	680	500	.73529	.8058	.0955	+.008	.1035		726					
A	B	750	56	.024		.1030		G	676	500	.73964	.8040	.0828	+.008	.0908	.0972	726					
A	C	1520	89	.017		.2330		?	1408	1000	.71023	.8153	.1900	+.015	.2050		1496	770	.1046	7362		
A	H	1520	79	.021		.2270		G	1417	1000	.70572	.8170	.1855	+.013	.1985	.2018	1496					7413
A	G	2530	73	.020		.3275		F	2433	1000	.41102	.9249	.3029	+.012	.3149	.3149	2506	1010	.1164	8677		7958
B	C	3040	90	.015		.3930		G	2927	1000	.34165	.9463	.3719	+.015	.3869		3016	510	.0644	7919		
A	F	3040	87	.025		.3860		G	2930	1000	.34130	.9464	.3653	+.014	.3793	.3831	3016					7873
C	C	3300	87	.016		.4120		G	3190	1000	.31348	.9542	.3931	+.014	.4071		3276	260	.0221	11765		
B	H	3300	84	.021		.4080		G	3192	1000	.31328	.9542	.3893	+.014	.4033	.4052	3276					8085
B	D	3735	82	.014		.4530		G	3631	1000	.27541	.9641	.4367	+.013	.4497	.4497	3711	435	.0426	10211		8252
B	G	4050	65	.022		.4825		G	3961	1000	.25246	.9696	.4678	+.011	.4788	.4788	4026	315	.0291	10825		8409
B	E	4540	86	.017		.5220		G	4433	1000	.22558	.9755	.5092	+.014	.5232		4516	490	.0479	10230		
C	H	4540	76	.021		.5265		F	4440	1000	.22523	.9756	.5137	+.013	.5267	.5250	4516					8602
C	G	5200	64	.023		.5855		F	5112	1000	.19562	.9817	.5748	+.011	.5858	.5858	5176	660	.0591	11168		8836
C	E	5700	91	.017		.6140		G	5588	1000	.17895	.9843	.6044	+.015	.6194		5676	500	.0415	12048		
D	G	5700	54	.027		.6280		F	5622	1000	.17787	.9846	.6183	+.009	.6273	.6233	5676					9106
B	F	6009	68	.026		.6480		F	5918	1000	.16898	.9860	.6389	+.011	.6499		5985	309	.0239	12929		
C	D	6009	88	.017		.6395		F	5899	1000	.16952	.9859	.6305	+.014	.6445	.6472	5985					9248
B	1-24	6009	67	.014		.6890		F	5936	2770	.46664	.9063	.6244	+.008	.6324	.6324	5985					9464



Dgm GEOPHONE DEPTH MEASURED FROM WELL ELEV.  
Dgs GEOPHONE DEPTH MEASURED FROM WELL SHOT  
Dgd GEOPHONE DEPTH MEASURED FROM WELL DATUM  
Ds DEPTH OF REFERENCE SHOT  
De SHOTHOLE ELEVATION TO DATUM PLANE  
H HORIZONTAL DISTANCE FROM WELL TO S.P.  
S.P. SEIS = UPHOLE TIME FOR GIVEN SHOT  
Tuh UPHOLE TIME FOR REFERENCE SHOT  
T OBSERVED TIME FROM SP TO WELL GEOPHONE  
Δe DIFFERENCE IN ELEVATION BTWN WELL & S.P.  
Δsd DIFFERENCE IN ELEVATION BTWN SHOT & DATUM PLANE  
Δsd Ds - De  
Dgs Dgm - Ds ± Δe, Tan i =  $\frac{H}{Dgs}$   
Tgs Cos i T = VERTICAL TRAVEL TIME FROM SHOT POINT ELEVATION TO GEOPHONE  
Tgd  $Tgs \pm \frac{\Delta sd}{V}$  = VERTICAL TRAVEL TIME FROM DATUM PLANE TO GEOPHONE  
Dgd Dgm - Δmd  
Vi INTERVAL VELOCITY =  $\frac{\Delta Dgd}{\Delta Tgd}$   
Va AVERAGE VELOCITY =  $\frac{Dgd}{Tgd}$   
Thc CORRECTION TO SHOT REFERENCE POSITION  
Tec CORRECTION TO DATUM PLANE  
t TOTAL CORRECTION, TIME  
ELEV. DATUM PLANE: +100'  
DATUM CORRECTION VELOCITY: 6000'/s

DATA FROM THIS SHOT NOT USED.

DEPT. NAT. RES & ENV  
 PE904312

SURVEYED BY :  
**NAMCO GEOPHYSICAL CO.**  
DATE: 8 DECEMBER, 1966

WELL VELOCITY CALCULATION FORM