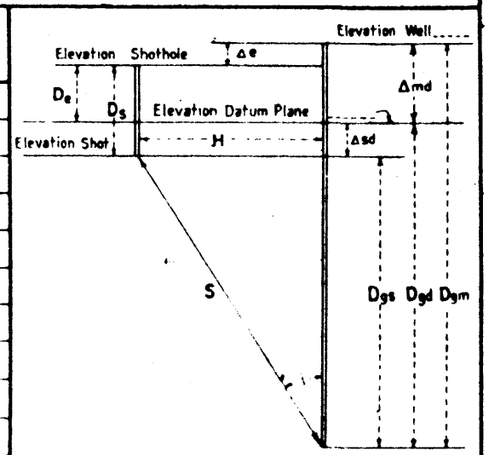
Shothole information - Elevation, Distance & Direction from Well

Company	Well	Elevation (Derrick Floor)	Total Depth
S D A	NERITA -1	112 ft	6,700'

LOCATION

Coordinates	Section, Township, Range	County	Area or Field
LAT. 38°37'43"19 LONG. 144°13'44"83	ANGLESEA	VICTORIA	OFFSHORE

Record Number	Shothole Number	Dgm (ft)	Ds (ft)	tus	tr	T Reading	T Polarity	T Grade	Dgs	H	cotan i	cos i	Tgs	Δsd	Δsd/V	Tgd	Tgd Average	Dgd	ΔDgd	ΔTgd	Vi Interval Velocity	Va Average Velocity
1		3,250	5		633	635	—	F	3133	3165	0·9899	0·7106	451	5	1	452		3138				
2		3,250	5		516	575	—	P	3133	2580	1·2143	0·7720	444	5	1	445		3138				
3		3,250	5		574	560	—	F	3133	2370	1·3219	0·7975	447	5	1	448		3138				
4		4,000	5		461	611	—	G	3883	2305	1·6846	0·8599	525	5	1	526		3888				
5		4,800	5		448	660	—	F	4683	2240	2·0906	0·9021	595	5	1	596		4688				
6		5,700	5		470	732	+	VP	5583	2350	2·3757	0·9217	675	5	1	676		5588				
7		6,650	5		467	811	—	F	6533	2335	2·7979	0·9417	764	5	1	765		6538				
8		5,700	5		455	728	—	VP	5583	2275	2·4541	0·9261	674	5	1	675		5588				
9		3,250	5		441	545	—	G	3133	2205	1·4209	0·8177	446	5	1	447		3138				
1,2,3,9																	448	3138				7012
4																	526	3888	750	78	9615	7392
5																	596	4688	800	70	11429	7866
6,8																	675·5	5588	900	79·5	11321	8272
7																	765	6538	950	89·5	10615	8546



Dgm = Geophone depth measured from well elevation.
Dgs = Geophone depth measured from shot elevation.
Dgd = Geophone depth measured from datum elevation.
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 = Observed time to reference geophone
Δe = Difference in elevation between well and shotpoint.
Δsd = Difference in elevation between shot and datum plane.
$\Delta sd = Ds - De$
$Dgs = Dgm - Ds \pm \Delta e$; $\tan i = \frac{H}{Dgs}$
$Tgs = \cos i \; T$ = Vert. travel time from shot elev. to geophone
$Tgd = Tgs \pm \frac{\Delta sd}{V}$ = Vert. travel time from datum plane to geophone.
$Dgd = Dgm - \Delta md$
Vi = Interval velocity = $\frac{\Delta Dgd}{\Delta Tgd}$
Va = Average velocity $\frac{Dgd}{Tgd}$

Surveyed by: WESTERN

Date: 1/8/67.

Weathering Data:

WATER VEL. = 5,000 ft/sec.

Casing Record

SDA Drawing No. 1997.