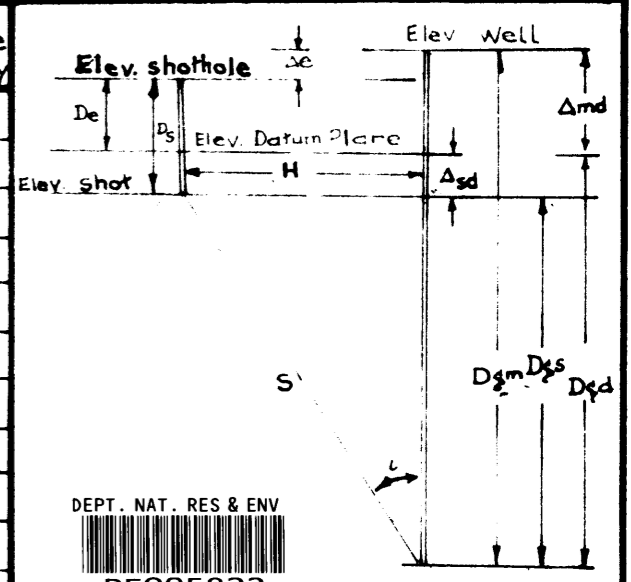


Shot hole information Elevat ⁿ , Distance & Direction from well					Company	Well	Elevation Derrick Floor	Total Depth	LOCATION				
1	N.E.	-1000'	+223'	+130'	Planet Oil Company N.L.	Heathfield No 1	243'	7500 ft	Coordinates	Section, Township	Range	County	Area or Field
2.	N.E.	500'	+225'	57					+168'	P.E.L. 26			
3.	S.W.	500'	+228'	59					+169'				
4.	S.W.	1000'	+223'	77					+146'		STATE OF VICTORIA		

Shot Number	Shot hole Number	Dgm	Ds	tuh	tuc	T			Dgs	H	tan i	cos i	Tgs	tec	t	Tgd	Tgd Average	Dgd	ΔDgd	ΔTgd	Vi Interval Velocity	Va Average Velocity	
						Reading	S P Sets	Grade															
15	3	1200	59	.022	.002	.177	.020	G	1142	500	.4378	.9161	.1621	.0065	.0025	.1536							
16	2	1200	57	.018	.000	.183	.018		1130	500	.4425	.9145	.1674	.0063	.0063	.1611	.1574	1086					6900
1	3	2200	59	.022	0	.311; .315	.022	P	2125	500	.2353	.9734	.3027 .3066	.0065	.0065	.2962							
2	2	2200	57	.018	0	.306	.018	G	2124	500	.2354	.9734	.2978	.0063	.0063	.2915	.2939	2086	1000	.1365	7326		7098
3	3	3180	59	.021	-.001	.432	.021	F	3117	500	.1604	.9873	.4265	.0065	.0075	.4190							
4	2	3180	57	.018	-.003	.428	.015	P-F	3124	500	.1601	.9871	.4224	.0063	.0093	.4131	.4161	3066	980	.1222	8020		7368
5	4	4123	77	.022	0	.537	.022	P	4025	1000	.2484	.9705	.5212	.0024	.0024	.5188							
6	1	4123	93	.022	0	.518	.022	?	4009	1000	.2494	.9703	.5026	.000	.000	.5026	.5107	4009					7850
14	1	4123	93	.022	.009	.527	.013	G	4075	1000	.2454	.9712	.5118	.000	.009	.5028							
7	4	5500	77	.022	.011	.670	.011	?	5453	1000	.1834	.9836	.6590	.0024	.0134	.6456							
8	1	5500	93	.022	.010	.657	.012	?	5447	1000	.1836	.9836	.6462	.000	.010	.6362	.6409	5386	1377	.1302	10576		8404
13	4	6000	77	.022	.000	.701	.022	G	5902	1000	.1694	.9859	.6911	.0024	.0024	.6887	.6887	5886	500	.0431	11601		8546
11	1	6500	93	.022	.009	.736	.013	G	6456	1000	.1549	.9882	.7273	.000	.009	.7183							
12	4	6500	77	.022	.005	.747	.015	G	6428	1000	.1556	.9881	.7381	.0024	.0074	.7307	.7245	6386	500	.042	11905		8814
9	1	7500	93	.022	.001	.809	.021	G	7402	1000	.1351	.9910	.8017	.000	.001	.8007							
10	4	7500	77	.022	+.004	.822	.015	G	7402	1000	.1355	.9909	.8145	.0024	.0013	.8158	.8083	7386	1000	.0838	11933		9138



DEPT. NAT. RES & ENV
PE905822

Dgm = Geophone depth measured from well elevⁿ
Dgs = " " " " " " shot
Dgd = " " " " " " datum
Ds = Depth of reference shot
De = Shothole elevation to datum plane
H = Horizontal distance from well to S.P.
S P sets = Uphole time for given shot
tuh = Uphole time for reference shot
T = Observed time from S.P. to well geophone
Δe = Difference in elevatⁿ between well & S.P.
Δsd = " " " " " " 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 Elev to geophone
Tgd = Tgs ± $\frac{\Delta sd}{V}$ = " " " " " " Datum plane to geophone
Dgd = Dgm - Δmd
Vi = Interval Velocity = $\frac{\Delta Dgd}{\Delta Tgd}$
Va = Average " = $\frac{Dgd}{Tgd}$

Surveyed by Party 84
NAMCO INTERNATIONAL INC.
Date: April 1964
tuc = Correction to shot reference position
tec = " " datum plane
t = Total correction time
weathering data
Casing record 1886 ft. below datum.

Well velocity calculation form Figure 2