Shothole information - Elevation, Distance & Direction from Well

OCEAN DIGGER

N — * — S N

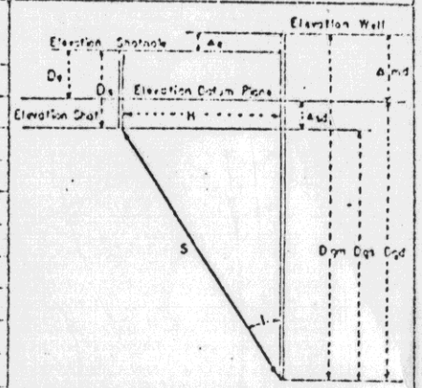
Company	Well	Elevation (Derrick Floor)	Total Depth
ESSO EXPLORATION AUSTRALIA INC.	PRAWN A-1 (Shot 1)	89	8200'

LOCATION

Coordinates	Section, Township, Range	County	Area or Field
143°06'27"S 39°21'25"E	OTWAY BASIN	VICTORIA	

DATUM : Sea Level

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	ΔDgd	ΔTgd	Vi Interval Velocity	Va Average Velocity
1	N	15.00	3020				Charge exploded too deep																
1A	N	15.05	3020	5	.001	.238	.453	D	G	2926	1180	.4033	.9274	.420	5	.001	.421	.422	2931				
12	S	17.10	3020	5	.001	.176	.442	D	G	2926	890	.3042	.9567	.423	5	.001	.424						6937
																				1130	.1205	9378	
2	N	15.20	4150	5	.001	.235	.567	D	G	4056	1165	.2872	.9611	.545	5	.001	.546	.543	4061				
11	S	17.00	4150	5	.001	.169	.550	D	G	4056	855	.2108	.9785	.538	5	.001	.539						7479
																				650	.063	10317	
3	N	15.30	4800	5	.001	.240	.628	D	G	4706	1190	.2529	.9695	.609	5	.001	.610						
3A	N	15.35	4800	5	.001	.236	.626	D	F	4706	1170	.2486	.9705	.608	5	.001	.609	.606	4711				
10	S	16.55	4800	5	.001	.172	.612	D	G	4706	870	.1849	.9833	.602	5	.001	.603						7774
																				1675	.150	11167	
4	N	15.45	6475	5	.001	.238	.768	D	G	6381	1180	.1849	.9833	.755	5	.001	.756						
9	S	16.30	6475	5	.001	.168	.760	D	F	6381	850	.1332	.9912	.753	5	.001	.754	.756	6386				
9A	S	16.40	6475	5	.001	.175	.762	D	G	6381	885	.1387	.9905	.755	5	.001	.756						8447
																				835	.078	10705	
5	N	15.55	7310	5	.001	.239	.851	D	G	7216	1185	.1642	.9868	.840	5	.001	.841	.834	7221				
8	S	16.17	7310	5	.001	.163	.832	D	F	7216	825	.1143	.9935	.827	5	.001	.828						8658
																				840	.068	12353	
6	N	16.05	8150	5	.001	.234	.915	D	G	8056	1160	.1440	.9898	.906	5	.001	.907	.902	8061				
7	S	16.10	8150	5	.001	.165	.901	D	F	8056	835	.1036	.9947	.896	5	.001	.897						8937



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 I ; T = Vert. travel time from shot elev to geophone

Tgd = Tgs ± $\frac{\Delta sd}{V}$ " " " " datum plane " "

Dgd = Dgm - Δmd

Vi = Interval velocity = $\frac{\Delta Dgd}{\Delta Tgd}$

Va = Average " $\frac{Dgd}{Tgd}$

Surveyed by: UNITED

Date: 9 March 1968

Weathering Data:

5 cm

Casing Record 2783'

* N modified because reference phones located approx. 10' south of wellsite.

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