

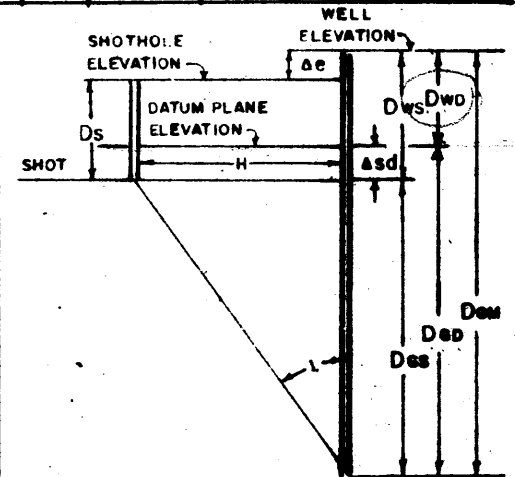
FROME - BROKEN HILL CO. PTY. LTD. FERGUSONS HILL N^o1

LOCATION: PORTION, PARISH, COUNTY, LATITUDE, LONGITUDE

DATUM: 651 ft.

SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE
A	658	1000																								
B	650	500																								
C	635	500																								
D	632	1000																								

RECORD NO	SHOT HOLE NO	DGM	Tos	Tc	Ds	De	Dws	ΔSD	Dgs	H	TAN I	CODE	T	GRADE	TGS	ΔD/V	TGD	LGD	ΔDGD	ΔTGD	VI INTERVAL VELOCITY	VA AVERAGE VELOCITY
23	B	1000	.128	.038	103	1	104	104	896	500	.5580	.8732	.151	?	.132	.021	.153	1000				
24	C	1000	.124	.040	103	16	119	119	881	500	.5675	.8697	.172	G	.150	.024	.174	1000	1000	.1285	7782	6116
2	B	2000	.127	.039	103	1	104	104	1896	500	.2637	.9670	.282	G	.273	.021	.294	2000				6849
3	C	2000	.123	.041	98	16	114	114	1886	500	.2651	.9666	.276	G	.267	.023	.290	2000	1000	.1055	9479	7547
21	C	3000	.120	.043	98	16	114	114	2886	500	.1733	.9853	.378	G	.372	.023	.395	3000				8222
22	B	3000	.131	.035	103	1	104	104	2896	500	.1727	.9854	.385	G	.379	.021	.400	3000	1000	.0890	11236	8764
19	B	4000	.128	.026	92	1	93	93	3907	500	.1280	.9919	.473	G	.469	.019	.488	4000				9245
20	C	4000	.119	.030	92	16	108	108	3892	500	.1285	.9918	.467	G	.463	.022	.485	4000	1000	.0840	11905	10031
4	D	5000	.225	.042	95	19	114	114	4886	1000	.2047	.9797	.561	F	.550	.023	.573	5000				10351
5	A	5000	.219	.021	94	-7	87	87	4913	1000	.2035	.9799	.562	G	.551	.017	.568	5000	1000	.0785	12739	10776
17	D	6000	.227	.041	92	19	111	111	5889	1000	.1698	.9859	.634	G	.625	.022	.647	6000				11165
18	A	6000	.236	.018	73	-7	66	66	5934	1000	.1685	.9861	.647	G	.638	.013	.651	6000	1000	.0760	13158	
15	A	7000	.225	.017	70	-7	63	63	6937	1000	.1442	.9898	.716	G	.709	.013	.722	7000				
16	D	7000	.226	.028	90	19	109	109	6891	1000	.1451	.9896	.713	G	.706	.022	.728	7000	1000	.0725	13793	
6	A	8000	.220	.033	95	-7	88	88	7912	1000	.1264	.9921	.783	F	.777	.018	.795	8000				
8	D	8000	.228	.038	95	19	114	114	7886	1000	.1268	.9922	.783	F	.777	.023	.800	8000	1000	.0720	13889	
13	D	9000	.232	.040	95	19	114	114	8886	1000	.1125	.9938	.858	P	.853	.023	.876	9000				
14	A	9000	.220	.021	85	-7	78	78	8922	1000	.1121	.9938	.852	F	.847	.016	.863	9000	1000	.0585	17094	
12	A	10000	.220	.026	95	-7	88	88	9912	1000	.1009	.9952	.914	G	.910	.018	.928	10000				
10	D	11500	.211	.041	140	19	159	159	11341	1000	.0882	.9963	1.003	?	.999	.032	1.031	11500	1500	.1030	14563	
11	A	11500	.222	.043	140	-7	133	133	11367	1000	.0880	.9963	1.007	P	1.003	.027	1.030	11500				



DWD = KELLY ELEVATION MINUS DATUM ELEVATION
 DGM = SEISMOMETER DEPTH BELOW KELLY ELEVATION
 Tos = TIME TO OFFSET GEOPHONE
 Tc = TIME CORRECTION (FROM REFLECTION, REFRACTION, OR UPHOLE TIME)
 Ds = DEPTH OF SHOT
 ΔE = KELLY ELEVATION MINUS SHOTHOLE ELEVATION
 Dws = D_s + ΔE
 ΔSD = D_{ws} - D_{wd}
 Dgs = D_{gm} - D_{ws}
 H = HORIZONTAL DISTANCE, WELL TO SHOTHOLE
 TAN I = H/D_{gs}
 T = WELL SEISMOMETER TIME FROM TIME BREAK
 Tos = T Cos I
 TGD = TGS + ΔSD/VI = VERTICAL TRAVEL TIME, WELL SEISMOMETER TO DATUM PLANE
 DGD = DGM - DWD = VERTICAL DISTANCE, WELL SEISMOMETER TO DATUM PLANE
 VI = INTERVAL VELOCITY = ΔDGD/ΔTGD
 VA = AVERAGE VELOCITY = DGD/TGD

NOTE: All Depths Schlumberger Readings

SURVEYED FOR: FROME - BROKEN HILL
 SURVEYED BY: UNITED GEOPHYSICAL CORP.
 COMPUTED BY: T. J. GREER
 DATE SURVEYED: MAY 4, 1964

CASING: 5830 ft.

WEATHERING:

DATUM VELOCITY: 5000 ft/sec.