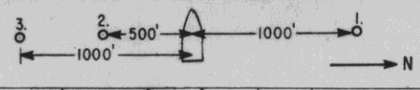
Shothole information:- Elevation, Distance & Direction from Well

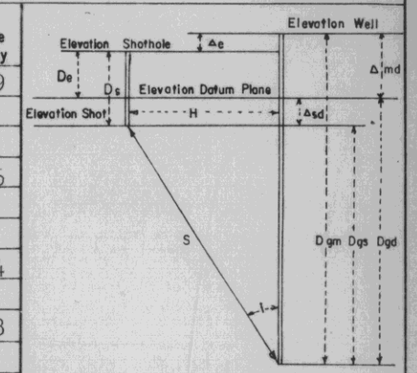



| Company | Well | Elevation (Derrick Floor) | Total Depth |
|---|---|---|---|
| ESSO EXPLORATION AUSTRALIA INC. | BASS-2 | 31' | 5914 |

LOCATION

| Coordinates | Section, Township, Range | County | Area or Field |
|---|---|---|---|
| 39° 53' 9" S<br>146° 18' 18" E | DATUM : S.L. | | Bass Basin<br>Tasmania |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 2 | 17.00 | 2070 | 6 | .001 | .093 | .304 | N | G | 2033 | 465 | .229 | .975 | .296 | 6 | .001 | .297 | .296 | 2039 | | | | 6889 |
| 11A | 3 | 16.50 | 2070 | 6 | .001 | .250 | .344 | N | F | 2033 | 1250 | .615 | .852 | .293 | 6 | .001 | .294 | | | 2039 | .296 | 6889 | |
| 1 | 1 | 13.50 | 3043 | 10 | .002 | .222 | .461 | N | G | 3002 | 1110 | .370 | .938 | .432 | 10 | .002 | .434 | .433 | 3012 | 973 | .137 | 7102 | 6956 |
| 10 | 3 | 16.35 | 3043 | 6 | .001 | .236 | .463 | N | G | 3006 | 1180 | .393 | .930 | .431 | 6 | .001 | .432 | | | 247 | .037 | 6676 | |
| 9 | 3 | 16.20 | 3290 | 6 | .001 | .226 | .496 | N | G | 3253 | 1130 | .348 | .944 | .469 | 6 | .001 | .470 | .470 | 3259 | 330 | .036 | 9167 | 6934 |
| 8 | 3 | 16.05 | 3620 | 6 | .001 | .232 | .531 | N | G | 3583 | 1160 | .324 | .951 | .505 | 6 | .001 | .506 | .506 | 3589 | 220 | .028 | 7857 | 7093 |
| 2 | 1 | 14.05 | 3840 | 10 | .002 | .187 | .549 | N | G | 3799 | 935 | .246 | .971 | .534 | 10 | .002 | .536 | .534 | 3809 | | | | 7133 |
| 7 | 3 | 15.50 | 3840 | 6 | .001 | .235 | .556 | N | G | 3803 | 1175 | .309 | .956 | .531 | 6 | .001 | .532 | | | 650 | .069 | 9420 | |
| 3 | 1 | 14.30 | 4490 | 10 | .002 | .209 | .620 | N | G | 4449 | 1045 | .235 | .974 | .604 | 10 | .002 | .606 | | | | | | |
| 6 | 3 | 15.30 | 4490 | 6 | .001 | .229 | .623 | N | G | 4453 | 1145 | .258 | .968 | .603 | 6 | .001 | .604 | .603 | 4459 | | | | 7395 |
| 6A | 3 | 15.35 | 4490 | 6 | .001 | .232 | .619 | N | G | 4553 | 1160 | .261 | .968 | .599 | 6 | .001 | .600 | | | 923 | .087 | 10609 | |
| 4 | 1 | 14.55 | 5413 | 6 | .001 | .194 | .706 | N | P | 5376 | 970 | .181 | .984 | .693 | 6 | .001 | .694 | .690 | 5382 | | | | 7800 |
| 5 | 3 | 15.05 | 5413 | 6 | .001 | .228 | .698 | N | P | 5376 | 1140 | .212 | .978 | .684 | 6 | .001 | .685 | | | | | | |




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

Dgd = Dgm - Δmd

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

Va = Average = $\frac{D\,gd}{T\,gd}$

Surveyed by: R.R. Tharp

Date: 18-5-66

Weathering Data :

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Casing Record

2044'

5 cm