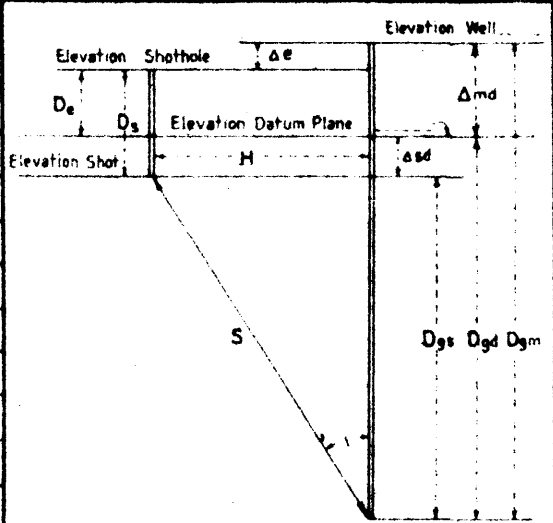


Shot/Well Information		Elevation, Distance & Direction from Well		Company	Well	Elevation (Derrick Floor)	Total Depth	LOCATION					
				S. D. A.	VOLUTA - 1	112ft.		Coordinates	Section, Township, Range	County	Area or Field	BRIDGEWATER BAY	

Record Number	Shot/Well Number	Dgm	Ds	tus	tr	T			Dgs	H	cotan i	cos i	Tgs	Δsd	Δsd/V	Tgd	Tgd Average	Dgd	ΔDgd	ΔTgd	Vi Interval Velocity	Va Average Velocity
						Reading	Polarity	Grade														
2		1500'	5'		343	337	-	G	1383'	1715'	0.80641	0.62773	212	5'	1	213	213	1388'	1087'	153	7105	5000
3		2700'	5'		361	375	-	G	2583'	1805'	1.43102	0.81969	307	5'	1	308	308	2588'	1200'	95	12632	6516
4		3500'	5'		444	492	-	G	3383'	2220'	1.52387	0.83606	411	5'	1	412	412	3388'	800'	104	7692	8403
5		4300'	5'		451	584	-	F	4183'	2255'	1.85498	0.88024	514	5'	1	515	515	4188'	800'	103	7767	8223
6		5350'	5'		457	686	-	G	5233'	2285'	2.29015	0.91644	629	5'	1	630	630	5238'	1050'	115	9130	8132
7		6280'	5'		458	772	-	G	6163'	2290'	2.69126	0.93738	724	5'	1	725	725	6168'	930'	95	9789	8314
8		5350'	5'		458	687	-	G	5233'	2290'	2.28515	0.91612	629	5'	1	630		5238'				8508
9		4300'	5'		459	586	-	G	4183'	2295'	1.82265	0.87671	514	5'	1	515		4188'				
10		3500'	5'		376	470	-	G	3383'	1880'	1.79946	0.87409	411	5'	1	412		3388'				



- 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 : Shot hole 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
- Δsd : 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 _____
 Date: _____
 Weathering Data _____

DEPT. NAT. RES & ENV

 PE901830

Casing Record _____