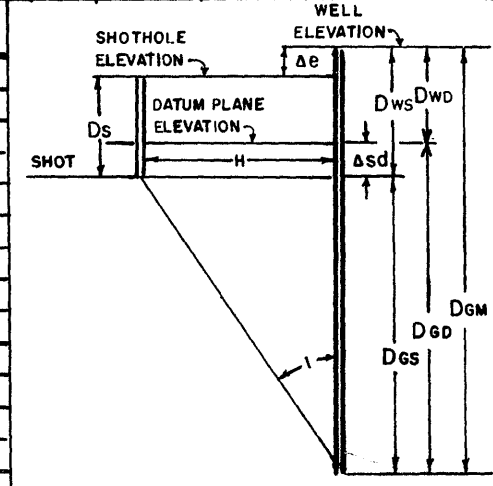




	COMPANY WOODSIDE OIL N.L.	WELL COLLIERS HILL N° 1.	LOCATION PORTION: PARISH: COUNTY:	DATUM = 0' M.S.L. LATITUDE: 38° 11' 56" S LONGITUDE: 147° 17' 30" E
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SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	SHOT HOLE	ELEVATION	DISTANCE	ELEVATION	
1	40.0	510	5	42.0	511	7	38.0	543																			KELLY BUSH	54.5'
2	41.0	509	6	42.0	515	8	38.0	527																			ROTARY TBL	53.0'
3	41.0	510				9	37.0	515																			DERRICK FL	
4	41.0	513																									GROUND	39.5'

TUH	RECORD NO.	SHOT HOLE NO.	DGM	Tos	Tc	Ds Bottom	Δe	Dws	Δsd	Dgs	H	TAN I	Cos I	T	GRADE	Tgs	Δsd/Vp	Tgd	Dgd	ΔDgd	ΔTgd	VI INTERVAL VELOCITY	VA AVERAGE VELOCITY	
			1000'															.148						
																		(.148)	945					
.012	M	6	1405	.117		34	13	47	-8	1358	515	.37923	.93502	.214	CB	.200'	.0015	.1986						
.012	L	8	1405	.105		17	17	34	-21	1371	527	.38439	.93342	.218	F	.2035	.0038	.1997						
																		(.199)	1350	1350	.199	6780	6780	
.015	A	6	1615	.119		30	13	43	-12	1572	515	.32761	.95030	.243	G	.2309	.0022	.2287						
.015	K	7	1615	.112		20	17	37	-18	1578	543	.34411	.94558	.249	G	.2354	.0033	.2321						
																		(.2305)	1560	210	.0315	6670	6770	
.019	B	5	1860	.119		30	13	43	-12	1817	511	.28123	.96265	.275	G	.2647	.0022	.2625						
.017	J	8	1860	.103		36	17	53	-2	1807	527	.29164	.96001	.276	G	.2650	.0004	.2646						
																		(.2635)	1805	245	.033	7420	6850	
			2300															.325						
																		(.325)	2245					6910
			2700															.3785						
																		(.3785)	2645					6990
.016	C	4	3080	.117		32	14	46	-9	3034	513	.16908	.98601	.438	G	.4319	.0016	.4303						
.013	H	8	3080	.102		36	17	53	-2	3027	527	.17410	.98518	.438	G	.4315	.0004	.4311						
																		(.4305)	3025	1220	.167	7310	7030	
			3500															.4775						
																		(.4775)	3445					7210
.015	D	3	3810	.117		29	14	43	-12	3767	510	.13539	.99096	.512	G	.5074	.0022	.5052						
.013	I	7	3810	.107		30	17	47	-8	3763	543	.14430	.98975	.512	G	.5068	.0015	.5053						
																		(.5055)	3755	730	.075	9730	7430	
.014	E	1	4130	.116		32	15	47	-8	4083	510	.12491	.99229	.540	G	.5358	.0015	.5343						
																		(.5345)	4075	320	.029	11030	7620	
			4600															.5805						
																		(.5805)	4545					7830
.013	F	2	5200	.117		30	14	44	-11	5156	509	.09872	.99516	.639	G	.6359	.0020	.6339						
.011	G	9	5200	.102		29	18	47	-8	5153	515	.09994	.99505	.639	G	.6358	.0015	.6343						
																		(.6340)	5145	1070	.0995	10750	8120	
			5550															.6665						
																		(.6665)	5495					8240



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 = Ds + Δe
 Δsd = Dws - Dwd
 Dgs = DGM - Dws
 H = HORIZONTAL DISTANCE, WELL TO SHOTHOLE
 TAN I = H/Dgs
 T = WELL SEISMOMETER TIME FROM TIME BREAK
 Tgs = 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

SURVEYED FOR: Woodside Oil N.L.
 SURVEYED BY: U.G.C. Party 141
 COMPUTED BY: W.J. Larsen.
 DATE SURVEYED: 1 February 1970
 CASING: 1758'
 WEATHERING: 0-15' = 1600'/sec
 15-65' = 5500'/sec
 65'+ = 6100'/sec
 DATUM VELOCITY: = 5500'/sec