



PROJECT ZEEHAN - TAS No. 7860		ELEVATION meters	COMMENCED 29 FEB 1980	BORE HOLE SURVEY			INSTRUMENT			EASTMAN CAMERA		
PROSPECT OCEANA		DIP COLLAR 65° GW	COMPLETED	Depth (m)	Dip	Bearing	Depth (m)	Dip	Bearing	Depth (m)	Dip	Bearing
CO-ORDINATES 3600 mN 1590 mE		CORE SIZE HQ, NQ	TOTAL LENGTH 475.30 meters	50	66.5°	218°	200	61°	210°	350	55°	195°
BEARING 228 TN 217 MN 270 GN		LOGGED BY PHILIP. A. JONES	100	67°	215°	250	61°	205°	400	55°	187°	
150	65°	213°	300	57°	202°	450	54°	187°				
METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS				
From	To				From	To	Length	Cu	Pb	Zn	Ag	
0.00	12.00	TRICONE: Chocolate Brown, completely weathered Dolomite. START HQ CORING.			12.00	13.00	1	26	85	350	<1	
12.00	14.20	DOLomite: chocolate brown, very weathered, cavernous silty dolomite.			13	14	1					
					14	15	1					
					15	16	1	18	220	570	<1	
					16	17	1					
14.20	15.50	LIMESTONE: dark grey, massive, load casted calcutite? with black carbonaceous interbeds of dolomite.			17	18	1					
					18	19	1	18	95	390	<1	
					19	20	1					
					20	21	1					
15.50	18.50	DOLomite: Chocolate brown, very weathered silty dolomite. Poor recoveries through broken soft ground.			21	22	1	16	28	100	<1	
					22	23	1					
					23	24	1					
18.50	32.00	DOLomite / LIMESTONE: black, foliated, load casted, carbonaceous and laminar dolomite interbedded with dark grey massive, slumped? cavernous occasionally fossiliferous calcutites (oolitic). Minor calcite veining. Bedding 30° to ca at 21.50m; 50° to ca - 30m. Cavities: 22.50-23.30m; 24.00-24.40m.			24	25	1	10	36	38	<1	
					25	26	1					
					26	27	1					
					27	28	1	12	28	38	<1	
					28	29	1					
					29	30	1					
					30	31	1	8	24	55	<1	
32.00	36.50	LIMESTONE: generally light grey, massive but occasionally very laminar, fossiliferous (very oolitic) calcarenites with minor interbeds of grey carbonaceous, load casted calcutites and black carbonaceous dolomites. Interbeds generally < 3cm in width. Moderate calcite veining. Bedding 45° to ca at 35m. Cavity 32.70-34.00m. Minor zones of brecciation - calcite healed.			31	32	1					
					32	33	1					
					33	34	1	6	20	46	<1	
					34	35	1					
					35	36	1					
					36	37	1	8	24	60	<1	
					37	38	1					
					38	39	1					
					39	40	1	18	110	90	<1	
36.50	59.00	DOLomite / CALCUTITE / CALCARENITE: Interbedded black laminar, finely bedded, pyritic dolomites rhythmically intercalated with dark grey, massive, unfossiliferous calcutites and grey, shelly calcarenites. Minor calcite veining and brecciation. Fossil beds generally 1 to 5 cm in width. Minor load casting. Cavity 36.80 to 40.00. Bedding 45° to ca at 48.70m; 40° to ca at 55.50m.			40	41	1					
					41	42	1					
					42	43	1	6	24	32	<1	
					43	44	1					
					44	45	1					
					45	46	1	10	20	40	<1	
					46	47	1					
					47	48	1					
					48	49	1	8	44	170	<1	
59.00	79.70	DOLomite / CALCUTITE: interbedded black, massive, silty dolomites and dark grey massive calcutites. Minor shelly calcarenites present in thin beds. Rock weakly calcite veined, weakly brecciated in part, and slumped (possibly load casted). Minor siderite. Rock quite broken also has tendency to spall on taking. Bedding 30° to ca at 65m.			49	50	1					
					50	51	1					
					51	52	1	8	55	165	<1	
					52	53	1					
					53	54	1					
					54	55	1	12	70	90	<1	
					55	56	1					
					56	57	1					



METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS				
From	To				From	To	Length	Cu	Pb	Zn	Ag	
79.70	86.00	CAVITY: Cavity filled with Mt Zeehan conglomerate alluvial gravels. Must be connected to surface.			57	58	1	8	60	250	<1	
					58	59	1					
					59	60	1					
86.00	87.00	BRECCIA: grey calcitites tectonically brecciated and calcite veined. Moderate to strong calcite veining.			60	61	1	6	28	70	<1	
					61	62	1					
					62	63	1					
87.00	117.50	CALCUTITES / DOLOMITE: Interbedded dark grey very fossiliferous (shelly, minor corals) calcutites, unfossiliferous dark grey calcutites and black massive spalled dolomites. Bedding quite disturbed, but not very pronounced, weakly foliated, Rock moderately calcite veined. Minor pyrite with calcite veins. Bedding 40° to ca at 99m; 40° to ca at 105.5m. Two calcite breccia zones, 10-15 cm in width at 92.20 and 116.50m.	Minor pyrite with calcite veins Minor pink staining to calcite - hematite??		63	64	1	8	32	34	<1	
						64	65	1				
						65	66	1				
						66	67	1	8	24	100	<1
						67	68	1				
						68	69	1				
						69	70	1	8	20	95	<1
						70	71	1				
						71	72	1				
						72	73	1	8	16	46	<1
117.50	138.90	SLUMPED CALCUTITES: grey, massive, unfossiliferous calcutites with minor interbeds (<2cm in width) of black carbonaceous dolomite. Minor coral fragments in calcutite. Bedding very disturbed (slumped!) Minor thin beds (<5cm width) of light grey oolitic and shelly calcarenites. Slumping (or bed caving) becoming more severe towards base of unit. Dolomites pyritic. Bedding 40° to ca at 127m.	Disseminated pyrite in Dolomite.		73	74	1					
						74	75	1				
						75	76	1	6	36	70	<1
						76	77	1				
						77	78	1				
						78	79	1	14	120	650	<1
						79	80	1				
						80	81	1				
						81	82	1				
						82	83	1				
138.90	139.80	CALCITE BRECCIA: extremely angular fragments of grey calcutites in a calcite matrix. Tectonic breccia.			83	84	1					
					84	85	1	14	220	430	<1	
					85	86	1					
139.80	150.80	Interbedded CALCUTITES / DOLOMITE: dark grey, silty, unfossiliferous calcutites interbedded with black, very carbonaceous and very pyritic (extremely fine grained >15-20%) Dolomite. Dolomitic beds are generally 5-10 cm in width, are definitely foliated (foliation subparallel to ca), very friable and are weakly calcite veined. Minor thin breccia zones are present, & the core is moderately broken. Bedding 40° to ca at 143.40m.			86	87	1					
					87	88	1	6	105	200	<1	
					88	89	1					
					89	90	1					
					90	91	1	6	140	550	<1	
					91	92	1					
					92	93	1					
					93	94	1	10	60	410	<1	
					94	95	1					
					95	96	1					
150.80	189.30	CALCUTITES / DOLOMITE: light grey, massive to thickly laminar, unfossiliferous calcutites (generally 5-20 cm in width) rhythmically bedded with thin (<2cm in width) black carbonaceous dolomite. Minor fossiliferous horizons (shelly, oolitic), <5cm in width, occur throughout the sequence. Core weakly calcite veined. Core lead coated with moderately disturbed dolomitic beds. Bedding 30° to ca at 166.50m; 35° to ca at 177.50m; 46° to ca at 184.80m.			96	97	1	8	55	280	<1	
					97	98	1					
					98	99	1					
					99	100	1	8	28	85	<1	
					100	101	1					
					101	102	1					
					102	103	1	24	16	50	<1	
					103	104	1					
					104	105	1					
189.30	190.40		TECTONIC BRECCIA: tectonically brecciated, bedded calcutites and dolomites. Moderately to strongly calcite veined.			105	106	1	6	16	14	<1
					106	107	1					
					107	108	1					
					108	109	1	6	16	22	<1	
					109	110	1					

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METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS						
From	To				From	To	Length	Cu	Pb	Zn	Ag			
190.60	206.00	<u>DOLOMITE / CALCULITE</u> : laminar and highly foliated, black carbonaceous pyritic silty dolomites (generally 2-5cm in width) interbedded with light grey, laminar and slumped fossiliferous (shells + pisoliths) and unfossiliferous calcutites. Minor calcite veining. Badly broken ground Cavities 200.40 - 202.80; 203.30 - 205.00.	disseminated pyrite (very fine grained) in Dolomite.		110	111	1							
					111	112	1	6	28	140	<1			
					112	113	1							
					113	114	1							
					114	115	1	8	20	55	<1			
					115	116	1							
					116	117	1							
206.00	231.00	<u>CALCUTITE / DOLOMITE</u> : slump brecciated, grey and dark grey, massive and laminar calcutites and silty dolomites. Moderately calcite veined, minor siderite. Slump breccia fragments generally subrounded (minor pisoliths). Minor tectonic breccias - with angular frag's. Bedding 35° to c.a. 217m; 45° at 231m; Minor coral fragments present throughout the sequence.			117	118	1	6	20	20	<1			
					118	119	1							
					119	120	1							
					120	121	1	6	24	40	<1			
					121	122	1							
					122	123	1							
					123	124	1	6	24	36	<1			
					124	125	1							
231.00	242.00	<u>SILTY DOLOMITE</u> : black, silty, massive and weakly foliated dolomites with minor thin interbeds of grey, in part laminar (parallel?) calcutites. Bedding 40° to c.a. at 233.20m.			125	126	1							
					126	127	1	6	16	24	<1			
					127	128	1							
					128	129	1							
					129	130	1	8	20	38	<1			
242.00	246.50	<u>SLUMP BRECCIA</u> : grey, massive calcutite fragments (up to 10's of cm's in width) in a matrix of black silty dolomite. Bedding obliterated due to soft sediment slumping.			130	131	1							
					131	132	1							
					132	133	1	8	20	38	<1			
					133	134	1							
					134	135	1							
246.50	248.00	<u>SHALY DOLOMITE</u> : very laminar, grey, shaly dolomite (calcutites??). Bedding 30° at 247m.			135	136	1	6	36	75	<1			
					136	137	1							
					137	138	1							
248.00	261.80	<u>SLUMPED CALCUTITE</u> : grey calcutite rhythmically interbedded with thin black carbonaceous dolomite beds (<2cm in width). Sequence soft sediment slumped with minor brecciation apparent. Fossiliferous breccia zone 250.60 - 251.00m. Minor calcite veining.			138	139	1	6	240	2800	<1			
					139	140	1							
					140	141	1							
					141	142	1	6	65	190	<1			
					142	143	1							
					143	144	1							
261.80	263.50	<u>SHALY DOLOMITE</u> : very laminar, grey, well bedded dolomite (calcutites). Possibly muddy calcutites? Minor pyrite on cleavage / bedding surfaces. Bedding 37° to c.a. at 263.5m. Tectonic Breccia 263-263.50m	Pyrite smears on bedding/cleavage surfaces.		144	145	1	6	12	20	<1			
					145	146	1							
					146	147	1							
					147	148	1	8	16	16	<1			
					148	149	1							
263.50	272.80	<u>SLUMPED CALCUTITE / DOLOMITE</u> : thickly bedded (5-20 cm in width) sequence of light grey massive calcutites and dark grey to black silty dolomites. Bedding disturbed due to soft sediment slumping. Minor fossils. Tectonic breccia 263.50 - 266.50.			149	150	1							
					150	151	1	8	24	460	<1			
					151	152	1							
					152	153	1							
					153	154	1	6	28	150	<1			
					154	155	1							
272.80	284.80	<u>Fossiliferous SLUMP BRECCIA</u> : soft sediment slumped and brecciated, calcutites, calcarenites (very fossiliferous) and silty dolomites in a matrix of black silty, carbonaceous dolomite and calcite. Breccia very fossiliferous containing abundant coral fragments, shells, oolite and other detritus. Breccia extremely calcite veined. Minor disseminated pyrite. Shelly horizons very porous, honeycombed and soft - poor recoveries in general.	Minor disseminated pyrite.		155	156	1							
					156	157	1	6	20	36	<1			
					157	158	1							
					158	159	1							
					159	160	1	6	16	24	<1			
					160	161	1							
					161	162	1							
					162	163	1	6	16	16	<1			



METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS				
From	To				From	To	Length	Cu	Pb	Zn	Ag	
284.80	285.20	SAND FILLED CAVITY : probably honeycombed fossil breccia.			163	164	1					
285.20	290.00	FOSSIL BRECCIA : very weathered, porous and honeycombed, cavernous shelly fossil breccia.			164	165	1					
					165	166	3	6	12	230	<1	
					166	167	1					
					167	168	1					
290.00	343.00	SLUMPED BRECCIA : grey to dark grey fossiliferous slump breccia. Moderately to strongly calcite veined; in part honeycombed and soft breccia composed of calcite and dolomite fragments in a dark grey to black dolomitic matrix, further heated by calcite. Fragments generally angular to subangular. lot of conchoidal fragments as well as calcite and shelly horizons. Sections of unit less brecciated giving more of a slumped appearance. Numerous cavities present: 300-302m; 330-332.10; 337.50-337.50m (partial recovery); 341.10-343.00			168	169	3	6	20	50	<1	
					169	170	1					
					170	171	1					
					171	172	3	4	20	24	<1	
					172	173	1					
					173	174	1					
					174	175	3	6	20	40	<1	
					175	176	1					
					176	177	1					
					177	178	3	4	24	65	<1	
					178	179	1					
343.00	348.20	LAMINAR LIMESTONE : tectonic brecciated, light grey, extremely laminar limestone (muddy?), moderately calcite veined & bedded. Cavity 345.50-348.20m.			179	180	1					
					180	181	3	4	36	200	<1	
					181	182	1					
					182	183	1					
348.20	377.00	SLUMPED CALCITITES : light grey, peltal in part, slumped, weakly fossiliferous and moderately calcite veined calcitites interbedded with minor thin, dark grey calcitites. Sequence very cavernous and honeycombed. Cavities 350-350.70m; 353.80-355.80; 359-364.30; 368-371; 371.80-372.40; 373-374.30m. Cavities due to honeycombed fossiliferous (shelly) limestone (highly weathered & very soft) poor recoveries.	Minor pyrite.		183	184	1	6	20	42	<1	
					184	185	1					
					185	186	1					
					186	187	3	8	20	40	<1	
					187	188	1					
					188	189	1					
					189	190	3	6	28	90	<1	
					190	191	1					
					191	192	1					
377.00	433.00	DOLOMITE : dark grey to black silty, peltal, dolomite. Very foliated, broken ground, soft giving poor recoveries. Minor fossiliferous horizons. Core weakly calcite veined. Rock very cavernous. Minor zones of soft sediment slumping in fossiliferous calcitites. Thin, heavily calcite heated tectonic breccias prevalent. Minor clay rich zones. Bedding parallel to ea at 392.50; 40° to ea at 402m; 30° to ea. 408m. light grey laminar silty limestone? giving good bedding indication 45° to ea at 425. Minor blebby pyrite with dark silty dolomites.			192	193	3	6	24	24	<1	
					193	194	1					
					194	195	1					
					195	196	3	6	50	260	<1	
					196	197	1					
					197	198	1					
					198	199	3	4	60	500	<1	
					199	200	1					
					200	201	1					
					201	202	3	38	55	870	<1	
					202	203	1					
					203	204	1					
433.00	434.00	LIMESTONE : light grey extremely fossiliferous (shelly) calcarenite / calcarenite. Minor calcite veining. Rock massive & quite hard.			204	205	4	4	48	270	<1	
					205	206	1					
					206	207	1					
					207	208	1					
434.00	438.00	DOLOMITE : very pyritic black silty, carbonaceous peltal (in part) dolomite. Rock cross bedded? and very laminar. Rock very soft, weakly broken.			208	209	3	4	50	230	<1	
					209	210	1					
					210	211	1					
					211	212	3	4	85	350	<1	
					212	213	1					
					213	214	1					
					214	215	3	4	200	460	<1	
					215	216	1					



METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS				
From	To				From	To	Length	Cu	Pb	Zn	Ag	
438.00	443.50	CALCULITE: interbedded, light and dark grey crudely bedded, bell-shaped calcilita. Slumped into place but not brecciated. Minor calcite veining.			216	217	1					
						217	218	1	4	75	110	<1
						218	219	1				
						219	220	1				
						220	221	1	4	60	26	<1
443.50	449.00	SILTY LIMESTONE: dark grey, cavernous, badly fractured and broken silty limestone. (calclutite/calcarenite?) Rock foliated and very soft - moderate/good core recovery.			221	222	1					
						222	223	1				
						223	224	1	4	36	55	<1
						224	225	1				
						225	226	1				
449.00	467.40	CALCULITE: An interbedded sequence of dark grey silty dolomite, grey calcilita, and light grey calcarenite/calcarenite. Minor clay rich zones. Cavities prevalent. Beds generally 2-3 cm in width. Bedding appears to be quite rhythmic. Bedding becoming slumped down hole. Minor congl frags (up to 7cm across) present in mainly but ground slump breccias. Bedding 38° to ca at 450; 47° to ca at 462m.			226	227	1	4	24	34	<1	
						227	228	1				
						228	229	1				
						229	230	1	4	24	190	<1
						230	231	1				
						231	232	1				
						232	233	1	8	32	38	<1
						233	234	1				
						234	235	1				
						235	236	1	10	20	24	<1
467.40	471.00	SPECKLED CALCARENITE: sandy, light grey, speckled, massive, calcarenite. Weakly foliated and calcite veined. (SANDSTONE)			236	237	1					
						237	238	1				
						238	239	1	6	12	44	<1
471.00	475.30	DOLOMITE: Black carbonaceous pyritic, fissile Dolomite. Core extensively broken, soft & possibly soft sediment slumped. Recovery good.			239	240	1					
						240	241	1				
						241	242	1	8	16	18	<1
						242	243	1				
						243	244	1				
END OF HOLE	475.30 metres.				244	245	1	4	20	110	<1	
					245	246	1					
					246	247	1					
					247	248	1	6	16	12	<1	
					248	249	1					
					249	250	1					
					250	251	1	4	24	16	<1	
					251	252	1					
					252	253	1					
					253	254	1	<2	20	18	<1	
					254	255	1					
					255	256	1					
					256	257	1	14	20	110	<1	
					257	258	1					
					258	259	1					
					259	260	1	10	20	16	<1	
					260	261	1					
					261	262	1					
					262	263	1	10	20	18	<1	
					263	264	1					
					264	265	1					
					265	266	1	8	50	60	<1	
					266	267	1					
					267	268	1					
					268	269	1	8	40	40	<1	

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METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS					
From	To				From	To	Length	Cu	Pb	Zn	Ag		
					269	270	/						
					270	271	/						
					271	272	3	10	55	40	<1		
					272	273	/						
					273	274	/						
					274	275	3	6	26	18	<1		
					275	276	/						
					276	277	/						
					277	278	3	6	22	24	<1		
					278	279	/						
					279	280	/						
					280	281	3	4	24	26	<1		
					281	282	/						
					282	283	/						
					283	284	3	6	24	100	<1		
					284	285	/						
					285	286	/						
					286	287	3	6	20	22	<1		
					287	288	/						
					288	289	/						
					289	290	3	4	20	18	<1		
					290	291	/						
					291	292	/						
					292	293	3	4	60	160	<1		
					293	294	/						
					294	295	/						
					295	296	3	2	34	65	<1		
					296	297	/						
					297	298	/						
					298	299	3	4	28	60	<1		
					299	300	/						
					300	301	/						
					301	302	3	6	65	250	<1		
					302	303	/						
					303	304	/						
					304	305	3	4	230	570	<1		
					305	306	/						
					306	307	/						
					307	308	3	<2	55	210	<1		
					308	309	/						
					309	310	/						
					310	311	3	12	70	300	<1		
					311	312	/						
					312	313	/						
					313	314	/	4	40	220	<1		
					314	315	/						
					315	316	/						
					316	317	3	2	24	85	<1		
					317	318	/						
					318	319	/						
					319	320	3	16	70	130	<1		
					320	321	/						
					321	322	/						

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METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS			
From	To				From	To	Length	Cu	Pb	Zn	Ag
					322	323	/	40	24	70	<1
					323	324	/				
					324	325	/				
					325	326	/	10	12	46	<1
					326	327	/				
					327	328	/				
					328	329	/	2	24	48	<1
					329	330	/				
					330	331	/				
					331	332	/	2	36	200	<1
					332	333	/				
					333	334	/				
					334	335	/	6	75	350	<1
					335	336	/				
					336	337	/				
					337	338	/	2	110	460	<1
					338	339	/				
					339	340	/				
					340	341	/	2	75	620	<1
					341	342	/				
					342	343	/				
					343	344	/	4	260	1050	1
					344	345	/				
					345	346	/				
					346	347	/	4	160	870	<1
					347	348	/				
					348	349	/				
					349	350	/	2	145	850	<1
					350	351	/				
					351	352	/				
					352	353	/	6	175	580	<1
					353	354	/				
					354	355	/				
					355	356	/	2	20	26	<1
					356	357	/				
					357	358	/				
					358	359	/	4	32	2500	<1
					359	360	/				
					360	361	/				
					361	362	/	6	24	500	<1
					362	363	/				
					363	364	/				
					364	365	/	4	24	75	<1
					365	366	/				
					366	367	/				
					367	368	/	2	20	60	<1
					368	369	/				
					369	370	/				
					370	371	/	8	32	390	<1
					371	372	/				
					372	373	/				
					373	374	/	4	20	220	<1
					374	375	/				

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METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS					
From	To				From	To	Length	Cu	Pb	Zn	Ag		
					275	376	1						
					376	377	1	4	48	110	<1		
					377	378	1						
					378	379	1						
					379	380	1	6	20	165	<1		
					380	381	1						
					381	382	1						
					382	383	1	8	20	100	<1		
					383	384	1						
					384	385	1						
					385	386	1	4	12	36	<1		
					386	387	1						
					387	388	1						
					388	389	1	6	24	85	<1		
					389	390	1						
					390	391	1						
					391	392	1	4	16	16	<1		
					392	393	1						
					393	394	1						
					394	395	1	8	20	200	<1		
					395	396	1						
					396	397	1						
					397	398	1	8	24	32	<1		
					398	399	1						
					399	400	1						
					400	401	1	8	20	16	<1		
					401	402	1						
					402	403	1						
					403	404	1	8	28	18	<1		
					404	405	1						
					405	406	1						
					406	407	1	8	44	195	<1		
					407	408	1						
					408	409	1						
					409	410	1	10	80	200	<1		
					410	411	1						
					411	412	1						
					412	413	1	4	32	80	<1		
					413	414	1						
					414	415	1						
					415	416	1	8	20	24	<1		
					416	417	1						
					417	418	1						
					418	419	1	10	24	14	<1		
					419	420	1						
					420	421	1						
					421	422	1	8	24	12	<1		
					422	423	1						
					423	424	1						
					424	425	1	6	28	28	<1		
					425	426	1						
					426	427	1						
					427	428	1	2	16	16	<1		

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DRILL LOG

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METERAGE		DESCRIPTION	MINERALIZATION %	SAMPLE NUMBER	METERAGE			ASSAYS					
From	To				From	To	Length	Cu	Pb	Zn	Ag		
					428	429	1						
					429	430	1						
					430	431	3	4	20	34	<1		
					431	432	1						
					432	433	1						
					433	434	3	8	24	12	<1		
					434	435	1						
					435	436	1						
					436	437	3	10	16	22	<1		
					437	438	1						
					438	439	1						
					439	440	3	12	12	24	<1		
					440	441	1						
					441	442	1						
					442	443	4	8	12	14	<1		
					443	444	1						
					444	445	1						
					445	446	1						
					446	447	3	6	12	75	<1		
					447	448	1						
					448	449	1						
					449	450	3	6	20	105	<1		
					450	451	1						
					451	452	1						
					452	453	3	6	24	65	<1		
					453	454	1						
					454	455	1						
					455	456	3	4	20	38	<1		
					456	457	1						
					457	458	1						
					458	459	3	6	70	270	<1		
					459	460	1						
					460	461	1						
					461	462	3	6	80	1200	<1		
					462	463	1						
					463	464	1						
					464	465	3	6	16	32	<1		
					465	466	1						
					466	467	1						
					467	468	3	14	32	75	<1		
					468	469	1						
					469	470	1						
					470	471	3	14	44	70	<1		
					471	472	1						
					472	473	1						
					473	474	3	16	20	95	<1		
					474	475	1						
					475	476	1						
					E.O.H.								
					475.30m.								

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