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GETTY OIL DEVELOPMENT CO. LTD.

PERCUSSION DRILLING LOG.

LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. P/6
LOCATION ~3½ miles N. Of CRESSY
COORDS N E
TOTAL DEPTH 510 FT.
COLLAR ELEV. ~471' A.S.L.

CONTRACTOR AUSTRALUNITED GEOPHYSICAL
GAMMA LOGGED D. TOWREY
GEOL. LOGGED R.J. WILLINK
HOLE DIAMETER 4½"
PROBE DIAMETER

STARTED 9/1/1973
COMPLETED 10/1/1973
SHEET 1 OF 3
SCALE 10 FEET = 1 INCH

5 cm

DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
	TOPSOIL SILTY CLAY Bright red brown. Predom clay ± minor silt component. Common lim. nods 2-3%., rnded, dark brown to black. Overall loosely compacted due to surface activity. Ferrug red staining throughout	(Fe)	Hs Ferrug red stain 2-3% lim nods	n.p.	Alt. to clay mins?	-	P/6/0-5	Cuttings water flushed.
10	CLAY WITH LIMONITIC BANDS Overall fine gr, predom clay ± minor silt component. Plasticity, colour and abundance of limonite frags through cuttings → variable ± depth.	(Fe)	As Ferrug yellow-brown	n.p	Alt. to clay mins		P/6/10	
	5'-20' Mottled grey, yellow brown and red. Grey plastic clay ± homog texture. Yellow brown and red (Ferrug. st.) patches loosely compacted, non plastic. 2-3% of cuttings - hard reddish brown, angular limonite frags suggesting minor banding.		reddish brown and red staining throughout.				P/6/15	
20							P/6/20	
	20'-25' Mottled yellow brown and red. ± minor grey clay frags. Grey and yellow brown clays - homog, plastic clays. Ferrug st. patches relatively hard, non plastic	(Fe)	As limonitic hard bands through clay 5-20', 25-45'				P/6/25	
	25'-45' Yellow brown, plastic, homog, clay ± 5-10% limonitic, hard, yellow brown frags ⇒ probable banding through softer clay.						P/6/30	
30								
							P/6/35	
40		(Fe)					P/6/40	
							P/6/45	
	Oxidation Boundary.							
50	CARBONACEOUS CLAY Dark brown to dark grey. Fine gr homog clay. Predom plastic. Constituent clay minerals predom. Brown colour resultant from presence of interstitial carbonaceous material in fine gr matrix		n.p	As fine gr intersitial	Alt. to clay mins?		P/6/50	
							P/6/55	
60	SILT 80% of cuttings - Non plastic. Grey brown in colour. ± predom clay mineral constituents. Fine gr. homog. texture. Minor clay matrix		n.p	As minor intersitial	Alt to clay mins		P/6/60	
	CARBONACEOUS CLAY WITH HARD SILTY CLAY BANDS Carbonaceous clay - as from 45'-55'. Homog, dark brown to dark grey, plastic fine gr clay. ± intersitial carbonaceous material in matrix.		n.p.	As intersitial of clay component.	Alt. to clay mins		P/6/65	
70	Hard silty clay band - angular fragment, competent clay ± minor silt component. Possibly silicified? Abundance of hard, ang. frags - variable ± depth.						P/6/70	
							P/6/75	
80							P/6/80	
							P/6/85	
90							P/6/90	
	90'-95' 2-3% compact, ang, silty clay frags minor band(s)?						P/6/95	
100							P/6/100	
	100'-105' 5-10% compact, ang. silty clay frags ⇒ banding						P/6/105	
	105'-120' 2-3% compact, ang, silty clay frags ⇒ banding?						P/6/110	
110								
							P/6/115	
120							P/6/120	
	120'-127' < 1% compad silty clay frags						P/6/125	
							P/6/130	
130	SANDY SILT Fine gr, homogeneous texture. Grey to grey brown. Frags predom silt ± minor sand component. Silt component ↓ ± depth Sand component ↑ ± depth. Fine sand ± apparent rnded Qtz Silty matrix ± common reflecting specks - micaceous clay minerals?		n.p	Minor intersitial carbonaceous material	Alt. to clay mins?		P/6/135	
							P/6/140	
140								
	Overall non plastic ± minor intersitial carbonaceous material through matrix giving brownish colour.						P/6/145	
							P/6/150	
150	Gradational boundary as sand ↑							
	SILTY SAND INTERBEDDED WITH MEDIUM TO COARSE SAND 150'-155' 70-80% silty sand, 20-30% medium sand; 155'-160' 50% silty sand, 50% coarse sand; 160'-165' 30% silty sand, 70% coarse sand; ± depth - sand becomes coarser. abundance sand ↑ abundance silty sand ↓		n.p	As 2-3% peaty chips through sand? Abundance ↑ ± depth.	Kaolin after flspar? in silty sand. As minor < 5% const. of medium coarse sands.		P/6/155	
160	Silty sand - homog, fine gr ± obvious Qtz + yellow kaolinitic particles in minor fine gr silty matrix Common black peaty chips 2-3% ↑ in abundance ± depth Sand - medium to coarse. Predom Qtz (sub ang to sub rnded) clear to grey ± minor white flspar (ang) Gradational boundary						P/6/160	
							P/6/165	
	PEBBLY COARSE SAND Overall grey colour. Abundance of pebbles > 1/8" ↑ ± depth. 2-10%. Sand constituents as above - predom Qtz ± minor flspar Common black frags of carb. material 5%		n.p.	As 5-10% carb. material	As minor < 5% sand const.		P/6/170	
170	scattered through sand. Pebbles predom Qtz, some Qtzite? (minor). subrnded. Rare specks of greenish mineral < 1% scattered through sand? Gradational boundary						P/6/175	
	GRAVEL > 1/8" - 10%; 1/16-1/8" - 30%; < 1/16" - 60%. Poorly sorted. Pebbles predom Qtz, subang to subrnded., minor Qtzite?. Sand through gravel ± consts as above.		n.p	20-30% carb. material	As minor sand const.		P/6/180	
180								
	CARBONACEOUS CLAY INTERBEDDED WITH SILTY SAND AND MINOR NON-CARBONACEOUS CLAY % abundance of components variable ± depth. Carbonaceous clay (major) homog texture, dark brown to dark grey., moderately compacted relatively hard non plastic to plastic frags.		varga As possible ferrug stain (yellow brown + red brown	As intersitial in carb clay	Alt. to clay mins?		P/6/185	
	Silty sand (minor) greenish grey to grey brown Homog, fine gr. sand (Qtz + greenish mineral particles) in minor silty matrix. Abundance ↓ ± depth. Non carb clay (minor) Variable - yellow brown (ferrug st) with streaks of grey and red brown (ferrug) clay. Soft. homog, predom plastic. Common pebble contam from above gravel.		in non carb. clays				P/6/190	
190							P/6/195	Difficult to determine accurate % abundances due to extensive contam. of cuttings with washing medium.
200							P/6/200	