GETTY OIL DEVELOPMENT CO. LTD.

PERCUSSION DRILLING LOG.

LAUNCESTON BASIN PROJECT TASMANIA

V/3

LOCATION 1 mile N.W. of LONGFORD

RECORDS N E

TOTAL DEPTH 525 ft.

PILLAR ELEV. 467' A.S.L.

CONTRACTOR Austral United Geophysical

GAMMA LOGGED D. TOWREY

GEOL. LOGGED R. J. Willink

HOLE DIAMETER 4½"

PROBE DIAMETER

STARTED 8/1/1973

COMPLETED 8/1/1973

SHEET 1 OF 3

SCALE 10 ft = 1 inch

5 cm

DEPTH	DESCRIPTION	Graphic Lith.	Fe.	Carbon	Feldspar	Other	Sample No.	COMMENTS
	SILTY SAND 0-5 ft predom silt 60-60%, sand 40-50% ↑ depth silt ↓, sand ↑ 5-15 ft predom sand 60% silt 40% Variable dark brown (0-5') to light brown (5'-15') in colour due to ferrug. staining of matrix components. Overall loosely compacted, homog text. Sand ~ abvious subrnded Qtz constituent - stained brown to clear.	(Fe)	As ferrug stain of matrix components	n.p	?		V/3/0-5 V/3/10 V/3/15	Cuttings water flushed
20	COARSE GRAVEL (recent?). Overall brown colouration due to ferrug staining of silty matrix and individual gravel fragments. Gravel > ½" – 30%; ¼"-½", 50%; < ¼" 20% Constituents include Qtz, ang to rnded, brown to white; apparent minor F/spar, qtzite, sandstone + dolerite lithics? Minor silty sand (< 5%) fragments through cuttings	(Fe)	As ferrug. stain of gravel consts + fine gr matrix	n.p.	As apparent minor compt of gravel.	–	V/3/20 V/3/25	
30	SILTY SAND 27-30' brown ferruginous stained silty sand → OXIDATION BOUNDARY	(Fe)	ferrug st.	n.p	?	–	V/3/30	OXIDATION BOUNDARY
	30'-35' grey 10-20% contain ~ gravel frags throughout. Sand ~ apparent Qtz (rnded) in fine gr silty matrix		n.p	30-35' 2-3% black specks			V/3/35	
40	PEAT 60-70% of cuttings ~ large peaty black to brown chips 2-3" Minor 30% frags of silty sand through cuttings		n.p.	60-70% peat.	?	–	V/3/40	
	CARBONACEOUS SILT Notably plastic, homogeneous texture, fine gr. Predom silt in minor clay matrix with rare 1% large >½" pebbles scattered through cuttings (contam). Silt with yellow-white specks (kaolin after F/spar ?) – 10% and apparent fine gr qtz. Common black 6% specks of carbonaceous material		n.p.	As interstitial + 5% black specks of carbonaceous material	A/f. to clay mins → yellow specks.	–	V/3/45 V/3/50 V/3/55	
	Overall brown colour due to presence of fine gr interstitial carbonaceous material?						V/3/60	
70	PEBBLY COARSE SAND. Predom Qtz coarse sand 70% in fine gr silty matrix. 10%. Pebbles > 1/8" – 20%. Coarse sand predom Qtz (ang) clear to grey + minor < 5% F/spar, + lithic frags? Gradational boundary		n.p	As peaty chips 2%	As possible minor Sand const.	-	V/3/65 V/3/70	
	SANDY GRAVEL Predom gravel 60% ~ minor coarse sand component 20-30% Constituents as from 62-70'		n.p	As peaty chips 5-10%	As from 62-70'	–	V/3/75	
80	CARBONACEOUS SILT WITH PEAT BANDS Cuttings predom carb. silt as from 40'-62' ~ 20-30% large peaty chips ½-¾"		n.p	20-30% large peaty chips	A/f. to clay mins	–	V/3/80	Difficult to delineate boundary due to probable contamination of cutting from below 75 ft. gravel from above 75 ft
	PEBBLY COARSE SAND Predom Qtz as from 62'-70' with slightly higher silt content.		n.p	As peaty chips 2%	As from 62'-70'.	–	V/3/85	
90	CARBONACEOUS SILT As from 40'-62' ~ contamination? 5% of cuttings ~ coarse sand + minor pebbles > 1/8" ?		n.p	As from 40'-62'	As from 40'-62'	-	V/3/90	
	PEBBLY COARSE SAND As from 62-70' ~ minor < 5% silt frags through cuttings		n.p	1% peaty chips	As from 62-70'	–	V/3/95	
100	SANDY SILTY CLAY Grey colour. Predom clay and silt ~ minor fine gr sand components. Poorly sorted ? Apparent yellow specks kaolin? Sand ↑ in depth		n.p	minor interstitial	Kaolin after F/spar	-	V/3/100	
	CARBONACEOUS SILTY SAND Grey brown in colour. Sand 60% Silt 40% Sand ~ obvious Qtz + minor yellow specks (kaolin after F/spar). Rare dark greenish mineral < 5% all. matics?		n.p	As 5% peaty chips As interstitial	Kaolin after F/spar	–	V/3/105	
110	COARSE SAND Grey brown in colour. Predom coarse Qtz sand - Qtz sub ang. Minor F/spar + common peaty chips 5-10%		n.p	5-10% peaty chips	As possible minor sand const.	–	V/3/110	
	SANDY SILT Grey brown. Predom silt ↑ ~ depth. Sand component - contamination only ?? Clay constituents predominant Sand ~ apparent sub ang. Qtz Carbon as interstitial + rare peaty chips gradational boundary		n.p.	1% peaty chips + minor inter-stitial	A/f. to clay mins?	–	V/3/115 V/3/120	Extensive contamination of cuttings with washing medium.
130	CARBONACEOUS SILTY CLAY WITH PEATY BANDS Carbonaceous silty clay - brown to grey brown in colour depending on carbon content. Predom clay ~ minor silt component. Overall homog. texture. Variably plastic		n.p	120'-125' < 5% peat 125'-130' 80% peat			V/3/125 V/3/130	
140	Peat dark brown decomposed carbonaceous material. Abundance in cuttings variable ~ depth (see CARBON)			130'-135' < 5% peat 135'-185' 80-60% peat			V/3/135 V/3/140	
	Clay abundance ↑ ~ depth Common 2-3% peaty chips throughout.			↓ ~ depth			V/3/145 V/3/150	
160							V/3/155 V/3/160	
170							V/3/165 V/3/170	
180							V/3/175 V/3/180	
	Gradational boundary						V/3/185	
190	CARBONACEOUS SILTY CLAY INTERBEDDED WITH NON(LESS) CARBONACEOUS CLAY		n.p	As interstitial	A/f to clay mins		V/3/190	
	185-200 ft 50% carb silty clay (as from 120-185') 50% non carb clay (grey, homog. fine gr)			in carb. silty clay + 1% peaty chips throughout			V/3/195	
200	200-205 ft 30% carb clay 70% non carb clay						V/3/200	