# GETTY OIL DEVELOPMENT CO. LTD.

## PERCUSSION DRILLING LOG.

## LAUNCESTON BASIN PROJECT TASMANIA

HOLE NO. S/13
LOCATION ~5·1 miles WNW of LONFORD.
COORDS N E
TOTAL DEPTH 500'
COLLAR ELEV.

CONTRACTOR AUSTRAL UNITED GEOPHYSICAL
GAMMA LOGGED D. TOWREY
GEOL. LOGGED P. GRIFFITHS
HOLE DIAMETER 4½"
PROBE DIAMETER

STARTED 20/1/73
COMPLETED 21/1/73
SHEET 1 OF 2
SCALE 10' = 1"

5 cm

| DEPTH | DESCRIPTION | Graphic Lith. | Fe. | Carbon | Feldspar | Other | Sample No. | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| | CLAY: light to dark grey c̄ a yellow to red brown stain - plastic - thin band of dark orange brown SILTY CLAY - contains red brown stringers - poorly compacted | | 30-40% yellow to red brown stain | n.p. | n.p. | | S/13/5 | |
| 10 | SANDY SILTY CLAY: 4-10': fine to very fine qtz (colourless) rnd to subrnd ~10-20% in a creamy white silty to clay matrix | | n.p. | n.p. | c̄ in matrix? | | S/13/10 | |
| 20 | 10-15. increase in % qtz up to 50% - light yellow stain + orange to reddy brown stain to xtals + matrix | | 60% light yellow 30% orange brown 10% reddy brown | | | | S/13/15 | |
| | 15-20: decrease in qtz content to 5-10% sample predominantly stained an orange brown | | 95% orange brown | " | " | | S/13/20 | |
| | 20-25: decrease in qtz content (1-3%) in an orange brown silty clay matrix - minor red streaks. | | 80-90% orange brown | " | " | | S/13/25 | |
| 30 | SILTY CLAY: 25-30: plastic, predominantly buff c̄ some orange brown stain - ~2% black specks (lithic?) - ~50% silt grains in a clay matrix | | 90-95% buff c̄ ~5% orange brown | " | " | | S/13/30 | |
| 40 | 30-40: stain is totally buff grades into a | | ~100% buff " | | | | S/13/35 S/13/40 | |
| 50 | SANDY SILTY CLAY: 40-45: 10-30% qtz fine to very fine - subang to subrnd in a buff to orange brown to red brown silty clay matrix | | 70-80% buff 5% orange brown 5-10% red brown | " | " | | S/13/45 | |
| | 45-55: - predom buff to orange brown. | | 45' 80-90% buff 10% orange brown | | | | S/13/50 | |
| | grades into a | | " | " | | | S/13/55 | |
| 60 | SILTY CLAY: - minor qtz xtals fine to very fine - silty clay is predom orange brown c̄ some red brown stain. - plastic | | 80-90% orange brown ~10% red brown | " | " | | S/13/60 | |
| | SILTY CLAY (60-70%) c̄ SANDY SILT Bands (~30%) * - refer comments. | | sandy silt ~100% yellow orange. | " | " | | S/13/65 | * SILTY CLAY: decrease in iron stain to give a plastic predom. greys. clay. SANDY SILT: fine to very fine qtz all yellow orange stained, subang to sub rnd in a predom. yellow orange silty matrix. |
| 70 | CARB. CLAY: 65-70: - black peaty bands occur. 65-130: dark grey to predominantly chocolate brown - plastic, homogeneous. | | rare orange stain thru' out. | 10-20% black peaty bands. | n.p. | | S/13/70 | |
| 80 | black carbonaceous inclusions. + carbon as an interstitial component of the matrix - rare blue inclusions of VIVIANITE throughout the succession | | | black inclusions + c. as comp. of matrix. | | | S/13/75 S/13/80 | |
| 90 | | | | | | | S/13/85 S/13/90 | |
| 100 | 95-100: thin band of orange brown silt. | | | | | | S/13/95 S/13/100 | |
| 110 | | | | | | | S/13/105 S/13/110 | |
| 120 | | | | | | | S/13/115 S/13/120 | |
| 130 | | | | | | | S/13/125 S/13/130 | |
| 135' | CARB. SANDY SILT: - fine to very fine qtz rnd to subrnd ~10-30% + white Kaolin flecks (5-10%) + abt. peaty stringers (brown to black) in a grey silty matrix - minor clay content. | | n.p | 10-30% as black peaty stringers | 5-10% white Kaol. flecks | | S/13/135 | |
| 140 | ** Interbedded Bands of:- 135-140: Carb. SILTY CLAY (50-70%) - brown - well compacted contains size able silt content + 30% SILTY SAND & Pb. grey SILTY CLAY | | n.p. | n.p. carbon as interstitial | " in SILTY SAND. | | S/13/140 | 135-140 ** SILTY SAND: increase in % of qtz in above sandy silt → a SILTY SAND. grey SILTY CLAY: - plastic, homogen |
| | 140-145: CARB SILTY CLAY. (50%) + 50% grey SILTY CLAY: *** | | | component of brown silty clay + minor peaty stringers in grey silty clay + s | ~5-10% Kaol. flecks in 10-20% of grey silty clay | | S/13/145 | 140-145: *** grey SILTY CLAY: plastic c̄ ~20% containing Kaolin specks + minor peaty stringer. |
| 150 | 145-150: CARB SANDY SILT (60-70%) + CARB. SILTY CLAY (30%). carb sandy silt as for 130-135. | | " | | 5-10% Kaol in sandy silt. | | S/13/150 | |
| | CARB SILTY CLAY (~40%) + 60% grey SILTY CLAY - c̄ 20-30% containing Kaol. specks as for 140-145: | | " | " | ~5-10% Kaol. in 20-30% of greys. clay. | | S/13/155 | |
| 160 | SANDY SILT: c̄ minor SANDY SILTY CLAY lenses Sandy silt - fine to very fine qtz rnd to subrnd + 5-10% white Kaolin flecks + 1-5% green mafic mineral in a grey to grey blue silty matrix | | ~1-3% fawny brown sandy silty clay | n.p. | 5-10% Kaol. flecks. | | S/13/160 S/13/165 | |
| 170 | sandy silty clay - a fawny brown c̄ ~5% qtz fine to very fine in a silty clay matrix - plastic | | " | " | " | | S/13/170 S/13/175 | |
| 180 | | | | | | | S/13/180 | |
| 190 | increase in percentage of qtz (~50-60%) to give a slightly Carb SILTY SAND c̄ minor peaty stringers. - minor sandy silty clay lenses | | " | ~5% peaty stringers | " | | S/13/185 S/13/190 | |
| | PEBBLY GRAVEL: predom ang. to subround qtz & qtz'ite pebbles white to smokey black + ≤ 5% dolerite fragments - ave. pebble size is ~ 5mm. 195-200: ~10-20% of sample consists of sand size grains (ie ≤ very coarse (≤2mm). | | n.p. | n.p. | n.p. | | S/13/195 S/13/200 | |