W435

WELL PILOT BORE		**TYPE**	**BASIN** Gippsland.
Tenement Holder ~~AUSTRAL O. & D. Syndicate.~~		**Map Used** Bairnsdale Imile Geol. Ph Colquhoun. 130 feet North of Shaft.	
Operator Government. Labor & Hd.		**Latitude** 37°52'05"S	
Tenement		**Longitude** 147°59'56"E	
Elevation 80'	**Total Depth** ~~1219~~ 1322'6" feet		**Status**
Spud Government: March 1943.	Suspended ~~Completed~~ by Govt. at 1223'6". Reopened 15/5/46		**Abandoned** ~~January 1945~~ 3 June 1947.
Casing 5" to 1196' - cemented			

STRATIGRAPHY

oil in 3 zones separated by layers of impermeable s.s.

34" included in 3 zones - only 10" were composed entirely of oil bearing s.s. the 34" were impermeable.

dry sample of glauconitic s.s.
porosity : 27.4 → 49.6 %
oil saturation 0 → 12.2 %
H_2O " 63.5 → 99 %
gas " 1 → 26.6 %

DEPT. NAT. RES & ENV
PE904189

FORMATION TESTS

oil yield lower than most bores in vicinity.
For saturation and porosity tests see BMR Survey 1945/25
oil content/acre oil content = 1420 barrels/acre oil content from residual saturations = 560 barrels/acre
[gas/oil ratio ≈ 4] oil flowing under gas - recovery 25 % → 30 %
" " " water " 60 % → 70 %

LOG SUMMARY AND INTERPRETATION

P.15' Drilled as a Pilot Bore during & ahead of Shaft sinking
See B.M. Report No 1945/24 - in Well file.

PILOT BORE

CORES

No.	Interval	Rec.	No.	Interval	Rec.	No.	Interval	Rec.	No.	Interval	Rec.

CHEMICAL ANALYSES (Oil, water, gas.)

oil

water Analysis $NaCl$ 74 parts/100,000 Na_2CO_3 74 $NaHCO_3$ 32 Na_2SO_4 trace $Ca(HCO_3)_2$ = trace
$Mg(HCO_3)_2$ trace $Fe(HCO_3)_2$ 7 Total solids = 187 parts/100,000

gas

GENERAL (Conclusion, structure, plugging, etc.)

oil films from 835 → 847 – for results see HJ Cook weekly reports.