

WELL NAME ARCO So. Longford #1 SPUNDED 12-14-63  
 LOCATION Gippsland Victoria COMPLETED 1-7-64  
 ELEVATION 18309 STATUS ◇  
 TOTAL DEPTH 2450 RIG Mindhill B-5000  
 CASING 7" to 520 CONTRACTOR Woodside (L&E) Oil Co.

GEOLOGIST Ingram - Fleit

BIT TYPES & REMARKS	DRILLING RATE MIN./5 FT	LITHOLOGY % OF CUTTINGS	MUD GAS DETECTION	DEPTH IN FEET	LITHOLOGY INTERPRETATIVE	LITHOLOGICAL DESCRIPTIONS	STRATIGRAPHIC COLUMN
				100		30 - 210' <u>Gravel and Sand</u> , Sand med - cse. gd. wh. - lt. gry. clean subrounded w tr of brown coal at 145'.	TERTIARY
				200		210' - 310' <u>Gravel and Sand</u> as above, with brown soft coal.	
				300			
				400		310' - 670' <u>Gravel and</u> <u>Sand</u> , sand fine - cse. gd. subrnd - subang. milky qtz grains	
				500			
				600			
				700		670' - 1090' <u>Claystone</u> , lt - med. gry. gumbo, sticky and <u>Graywacke</u> , lt. grn - gy. vf - f. gd. sub-ang. abund. chlorite, rd sh frags common, sl. micaceous and carbonaceous, disintegrated	
				800			
				900			
				1000			
				1100		1090' - 1430' <u>Graywacke</u> and <u>Claystone</u> as above with <u>Siltstone</u> , lt gy - lt grn, consolidated, slightly hard, sl argill- aceous and traces of shale, med brn - gy. silty, firm	
				1200			
				1300			
				1400			
				1500		1430' - 2400' <u>Graywacke</u> , lt gy - lt grn. vf - m. gd, subang. abund chlorite at the top becom. more sandy at the base, inclusions of blk lignitic shale, rd shale and siltstone. <u>Claystone</u> , med gry. sticky w wh. - lt gy clay balls, claystone makes a gumbo and restricts sample interpretation	
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400		2400' - 2450' <u>Interbedded</u> <u>Siltstone</u> , med gy. argill- aceous, med hard, carb specs common, sl mica and <u>Shale</u> - <u>Mudstone</u> , med - dk gy firm, blocky, coalified plant stems common, sl slty with well-defined bedding in a core, dips of 0 - 5.	
				2500			

MESOZOIC  
STRZELCKI GROUP

Reel  
Y3  
8 1/2

Grimes  
T  
8 1/2

Geolograph  
not operating

Hughes  
OSC  
6"

Geolograph  
not operating

Reel  
44  
5 1/2

Hughes  
OSC  
6"

Hughes  
OSC  
6"

Geolograph  
not operating

Hughes  
OSC  
6"

Geolograph  
not operating

Hughes  
OSC  
6"

Hughes  
OSC  
6"

Hughes  
OSC  
6"

OSQ2  
6"

Hughes  
OSQ2  
6"

Hughes  
OSQ2  
6"

Geolograph  
not operating

Hughes  
OSQ2  
6"

Reel  
45  
rate 30 min/hr

TO 2450