



LAKES ENTRANCE DEVELOPMENT No. 2

904081 001

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W370

LAKES ENTRANCE
DEVELOPMENT No. 2

W 370

PARISH OF COLQUHOUN.

For L.E.D. Co. No. 1 Bore, see Boring Report for 1924.

LAKES ENTRANCE DEVELOPMENT CO. NO. 2 BORE.

(This bore was sunk by the company.)

Position.—13 chains west from the north-east corner of allotment 25.

Surface level, 31.39 feet.

Strata.	Thickness.		Depth struck.		
	ft.	in.	ft.	in.	
Clay, sandy	30	0	0	0	
Sand, yellow, with shells	30	0	30	0	
Sand, cemented, calcareous	20	0	60	0	
Limestone, impure	10	0	80	0	
Sand, fine, cemented, calcareous	30	0	90	0	
Limestone, impure	20	0	120	0	
Sand, fine, cemented, calcareous	20	0	140	0	
Limestone, fossiliferous, polyzoal	20	0	160	0	
Sand, cemented, fine, calcareous, coarse bands	200	0	180	0	
Limestone, blue-grey	10	0	380	0	
Sand, cemented	10	0	390	0	
Limestone, fine grained	40	0	400	0	
Sand, calcareous, cemented	40	0	440	0	
Limestone	10	0	480	0	
Sand, polyzoal, calcareous	20	0	490	0	
Limestone, soft	10	0	510	0	
Sand, cemented, coarse, calcareous	50	0	520	0	
Marl, with shells	10	0	570	0	
Sand, grey and green, calcareous	40	0	580	0	
Limestone, polyzoal	40	0	620	0	
Marl	20	0	660	0	
Sand, cemented, calcareous	20	0	680	0	
Marl, with shells	20	0	700	0	
Sand, calcareous, cemented	90	0	720	0	
Limestone, polyzoal	20	0	810	0	
Sand, calcareous, fine grained, cemented	10	0	830	0	
Marl	10	0	840	0	
Sand, coarse, cemented, calcareous	40	0	850	0	
Marl	10	0	890	0	
Limestone, polyzoal	10	0	900	0	
Marl	10	0	910	0	
Sand, calcareous	20	0	920	0	
Marl	30	0	940	0	
Limestone, impure	10	0	970	0	
Sand, cemented, calcareous	20	0	980	0	
Marl	10	0	1,000	0	
Sand, brown, cemented, calcareous, micaceous	10	0	1,010	0	
Marl, shelly	20	0	1,020	0	
Sand, cemented, micaceous, calcareous	34	0	1,040	0	
Limestone compact					
1 ft. hard band at 1,074	0	16	0	1,074	0
1 ft. " " " 1,090	0	17	0	1,090	0
10 in. " " " 1,107	0	13	0	1,107	0
6 in. " " " 1,120	0	30	0	1,120	0
9 " " " 1,150	0	22	0	1,150	0
5 " " " 1,172	0	28	0	1,172	0
Sand, glauconitic		10	0	1,200	0
Glauconite, conglomerate		60	0	1,210	0
Granite bedrock		5	0	1,270	0
Depth bored				1,275	0

904081 002

LARES ENTRANCE DEV. CO.

BORE No. 2

904081 003

Lithologic Log:

- 70: Greenish-grey calcareous sand, glauconitic, mollusca (though not abundant)
- 580: brown more shelly (perhaps more limy)
- 90: ^{yellowish} grey marly limestone, fine-grained, friable, polyzoa
- 100: as above, more strongly cemented, more polyzoal, showing a v. rough bedding.
- 110: as above
- 120: " " v. friable, abundant fine shell fragments.
- 130: polyzoal marly limestone, not so friable
- 140: Crumbly grey polyzoal marly limestone
- 150: " " " " " "
- 160: whitish limestone, rich in polyzoa.
- 170: ~~as~~ as above, coarse fragmented shells.
- 180: light grey polyzoal (marly) limestone, friable
- 190: lt. gy. marly limestone, polyzoal.
- 200: " " " " mollusca.
- 210: gy. marly limestone (friable - sandy texture), polyzoa not significant.
- 220: gy. marly limestone / marl, mottled - minute polyzoa.
- 230-40: ~~gy.~~ marly limestone
- 240-60: as above
- 260-80: gy. marly limestone, polyzoal, rel. hard
- 280-300: " " fine-grained.
- 300-15: mid-grey ~~and~~ polyzoal, almost a marl.
- 316-30: as above
- 330-50: ^{yellowish-} grey marl limestone, vfg - minute polyzoal frags.
- 350-65: as above
- 365-80: v. friable gy. marly ls (-marl), molluscan moulds.
- 390: v. dense dark grey limestone
- 400: lightish gy. marly limestone, polyzoal.
- 410: " " , rel. hard
- 420: " " " " " "
- 430: " " (a little ~~more~~ more) marly
- 440: " " " " " "
- 450: yellowish gy. marly limestone.

polyzoa are the hard lumpy-type

- 460: as above, fairly hard.
- 470: yellowish polyzoal limestone, fairly hard.
- 5480: grey polyzoal marly lst, rel. friable
- 490: ~~yellowish~~ cream polyzoal limestone (hard)
- 500:
- 510: S yellowish grey marly lst, abundant small polyzoa.
- 520: hard whitish limestone
- 540: S grey marly limestone rich in small polyzoa + some shell fragments. (Operec.)
- 550: hard yellowish-white limestone (Amphist.)
- 560: hard yellowish polyzoal limestone
- 570: lt yellowish gy. lst/marly lst, abundant small polyzoa, & little friable. [suspected lepis]
- 580: hard grey (marly) limestone (grey organic structures)
- 590: hard whitish limestone, abundant polyzoa
- 600: S vlt gy. polyzoal limestone, partially friable.
- 610: hard yellowish white polyzoal limestone. (secondary cementation is obvious)
- 620: S fg grey marly limestone, polyzoal.
- 630: hard whitish polyzoal limestone
- 640: friable limestone, almost ~~S~~ completely polyzoa
- 5660: grey marl, small polyzoa, v. weak bedding.
- 670: as above
- 680: hard grey marly limestone
- 690: lt. brnsh. gy
- 700: brnsh. gy. marl, abundant small polyzoa, tends to show v. weak bedding
- 710: reasonably hard larger polyzoa
- 720: more powdery brnsh. gy. marly limestone
- 730: hard yellowish polyzoal limestone
- 740:
- 760:
- 770: brnsh. gy. marl/marly lst, partially friable, mollusca, also polyzoa
- 780: lt. brnsh. gy. marly lst.
- 5790: brnsh. gy. marl, polyzoa

- 810: ~~810~~ brownish gy. marly lst, mollusca + polyzoa.
- 820: {
- 830: } hard yellowish
- 840: } Polyzoal limestone
- 850: brownish gy marl, some polyzoa (~~etc~~)
- 870: hard brown gy marly lst, polyzoa small mollusca (frags), large tubular structures, ~~etc~~, solitary corals or algae ~~etc~~ section.
- ~~870: brownish gy marly lst, large~~
- 880: } hard whitish yellow
- 890: } limestone, polyzoal.
- 900: yellowish polyzoal marly lst. / marl, rel. friable; brach. & other shell material
- 910: hard yellowish limestone, richly polyzoal, brach (Terebrat)
- 920: hard yellowish gy marly lst.
- 930: _____
- 950: _____
- 960: _____
- 970: _____
- 980: _____, mollusca (gastropods.)
- 990: brown gy. marl, rel hard, rare whitish polyzoal fossils
- 1000: _____ more flaky; mollusca (pelecypod cast, etc)
- 1010: brown gy marl (flaky) polyzoa + Terebrat.
- 1020: darker olive-brown (dark brown gy) marl, micaceous, ~~rel. soft~~ polyzoa (but few) ^{small} Gastropods, ~~etc~~ inc. Terebrat, etc.
- 1030: as above, but harder. Greenish colour indicates glauc.
- 1040: flaky brown gy polyzoal marl.
- 1050: ~~light~~ light gy mottled marl, frondose polyzoa
- 1074: ^{hard} olive brown calcareous sandstone (? sandy lst), small whitish shell frags.
- 1090: v. hard ^{sandy} limestone, well-preserved gastropods (some quite large); glauc.
- 1100: micaceous calc. siltstone (mudstone).
- 1150: v. hard limestone, gastropods etc.
- 1205 (1) khaki-green micaceous siltstone
- (2) green glauc. ^{clayey} sandst., limonite pellets, ocr. shells. (? crab carapace)

mottled, frag polyzoal frags, etc

rel. soft

1210: glauconitic sandy siltstone, remains of gastropods (Tuar.)

1210-72: glauc. silty sandstone, reasonable amt. of fine grit.

S (v-dark gn. - high glauc. cont); reasonably soft; shell frags. rare.

1272-75: granite, quartz. colour. Pink feldspar

LAGUNA ENTER-DEVELOPMENT COMPANY - No. 2, HORY - LAKE ENTRANCE.

Elevation 30'.

Surface to 30' - sandy clay.

30' to 180' - Alternating sand shale. Limestone fossiliferous.

180' " 388' - Cemented sand, fine calcareous with coarse bands.

388' " 1074' - Limestone fine grey and green polysepal and shell, all alternating.

1074' hard band 1'

1090' " " "

1107' " " 10"

1120' " " 6"

1150' " " 9"

1172' " " 5"

Vigorous shales, cemented sand and limestone alternating.

1200' to 1210' - sand cemented, with glauconite

Water at 1210'.

Oil at 1218'

1218' to 1270' - glauconite conglomerate

Water at 1270'.

1270' to 1275' - bedrock.

Above detail copies from Departmental log prepared by Mines Department.

While an appreciable amount of oil and gas was coming up with the fluid as the casing was being pulled, prior to being soaked off and ABANDONED.

LOG OF DRILLING OPERATIONS AT CANYON - No. 2, 1957 - LATER EXTENSIONS.

Elevation 30'.

Surface to 30' - sandy clay.

- 30' to 130' - Alternating sands calc. limestone fossiliferous.
- 130' " 180' - Cemented sand, fine calcareous with oolitic bands.
- 180' " 1074' - Limestone blue gray and green polyaxial and earth, all alternating.
- 1074' hard bent 1'
- 1097' " " "
- 1107' " " 10' - micaceous calc. cemented sand and limestone alternating.
- 1140' " " 6'
- 1150' " " 9'
- 1173' " " 5'
- 1200' to 1210' - sand cemented, with glauconite
- 1210' to 1210'.
- Core at 1210'
- 1218' to 1270' - glauconite conglomerate
- 1270' to 1270'.
- 1270' to 1275' - bedrock.

Above detail copies from departmental log prepared by Mine Department.

Quite an appreciable amount of oil and gas was coming up with the fluid as the casing was being pulled, prior to being necked off and abandoned.