



W380

SA OIL WELLS - COLQUHOUN-1

WELL ELEMENTARY  
REPORT

SOUTH AUSTRALIAN  
OIL WELLS

- COLQUHOUN-1

(W380)

PE904101

This is an enclosure indicator page.  
The enclosure PE904101 is enclosed within the  
container PE904100 at this location in this  
document.

The enclosure PE904101 has the following characteristics:

ITEM\_BARCODE = PE904101  
CONTAINER\_BARCODE = PE905092  
NAME = well card  
BASIN = OTWAY  
PERMIT =  
TYPE = WELL  
SUBTYPE = WELL\_CARD  
DESCRIPTION = well card Sth Aust. No 1  
REMARKS =  
DATE\_CREATED = 19/03/30  
DATE\_RECEIVED =  
W\_NO = W380  
WELL\_NAME = Sth Aus No-1  
CONTRACTOR = South Aust Oil Wells  
CLIENT\_OP\_CO = South Aust Oil Wells

(Inserted by DNRE - Vic Govt Mines Dept)

## Bore 1 (S.A. Oil Wells Co.)

Surface level 200 ft. (Aneroid)

0	-	2	Surface soil
2	-	19	Clay, red and yellow
19	-	25	Clay, red, sandy
25	-	35	Gravel, coarse
35	-	120	Sand, coarse, yellow, with clay
120	-	160	Marl, bluish-grey
205			Water
160	--	315	Clay, sandy, calcareous, with shells
315	--	375	Lime, polyzoal
375	-	535	Marl, variable
535	-	545	Lime, polyzoal
545	-	600	Marl, blue grey
			Water rises to 142 ft. from top
600	-	941	Marl, blue grey, tough, with soft patches
941	-	947	Sand, dark grey, fine, with water which rises to 100 ft. of top
947	-	1007	Clay, fine, silty, sand, shelly
1007	-	1015	Clay with fine sand streaks and pyrites
1015	-		Oil films from sand at 967 beginning to show here
1010	-	1022	Clay, sandy, dark brown, with shells and pyrites
1022	-	1025	Sand, dark, hard, with pyrites, green
1025	-	1026	Sandstone, shelly, calcareous
1026	-	1040	Clay, sandy, dark, shelly
1040	-	1042	Sand, fine, shows gas foam on drain
1042	-	1046	Sand, clayey
1046	-	1054	Sand, fine, dark, show of oil here 6 in., sandstone at 1048
1054	-	1062	Clay, dark brown, micaceous and pyritic
1062	-	1063	Fine water sand, green
1063	-	1080	Clay, dark green
1080	-	1083	Sand, fine, 2 in. of sandstone
1083	-	1087	Clay, dark brown, micaceous
1087	-	1094	Clay, varying with 4 in. of lime
1094	-	1108	Sand, dark green, micaceous, pyritic, with shell and coarse streaks
1108	-	1109	Sandy lime
1109	-	1112	Sand, fine, with trace of gas and oil
1112	-	1123	Clay, sandy, gas and oil persist
1123	-	1147	Sand, coarse, green, with clay streaks
1147	-	1153	Hard and soft coarse sandstone
1151	-	1153	Glauconite
1153	-	1160	Sand
1160	-	1184	Hard and soft sandstone and sands
1184	-	1188	Oil sand with water underlying
1188	-	1199	Sand, coarse and fine with gravel, green colour, in parts Water
1199	-	1200	Sandstone
1200	-	1223	Sand, fine and coarse 6 in. hard limestone
1224	-	1234	Sand
		1235	Sand, cemented
		1238	Hard quartzitic rock
		1239	Sandstone, hard
		1240	Decomposed granite
		1243	Granitic sand, reddish
		1245	Kaolin, white
		1246	Granite, red, decomposed slightly
1246	-	1252	Clay, white, with sand streaks
1252	-	1253	Clay and felspar
1253	-	1255	Granite, reddish, hard

Geological Survey Laboratory,  
 Department of Mines,  
 MELBOURNE.  
 March 19th, 1930.

Report No. 136

Sample --- Oily matter with sediment & water  
 Locality --- Bore No.1, South Australian Oil  
 Wells Co., Lakes Entrance  
 Sender --- S.S. Bell, Manager, South Austral-  
 ian Oil Wells Co. N.L.,  
 422 Collins St., Melbourne

Sample as received consisted of 26 fluid ounces of a mixture of emulsified brownish-coloured oil, and water. The material possessed a characteristic odour resembling that of a crude petroleum. The separation by physical methods of impurities and water from the mineral oil gave the following proportions-

Dark brown oil	4 fluid ounces	15.4
Sediment and water	22 " "	84.6
	26 " "	100.0

Examination of the recovered oil

Colour	-	dark brown
Fluorescence	-	dark green
Odour	-	characteristic, suggesting crude petroleum
Transparency	-	opaque
Condition	-	heavy, viscous
Specific gravity (60°F)	-	0.953
Baume degrees	-	17°B.
Saponifiable matter	-	trace
Asphaltenes	-	2.21%

Fractional distillation

Initial Boiling Point - 246°C.

Fraction	Boiling Pt. Range	%	Remarks
Light oil	to 170°C.	nil.	-
Intermediate oil	170 - 230°C.	"	-
"	230 - 300°C.	9.4	pale-coloured seal oil
Heavy oil	over 300°C.	90.6	dark, fuel oil
Total		100.0	

The heavy fraction was further treated by distillation under partial vacuum, with the following result:-

Fraction	Boiling Point	Remarks
Light lubricating oil	up to 300°C. vacuo 21" Hg.	28.9 pale amber colour, faint bluish-green fluorescence
Heavy lubricating oil	over 300°C. vacuo 23" Hg.	39.5 dark brown colour, strong green fluorescence, viscous condition.
Pitch	residue	22.2
Total		90.6

Remarks-

Information obtained by the analysis of the sample indicates that the lighter oil fraction, such as petrol, benzine, kerosene, etc., are not present.

If the oil, which is classed as a heavy-grade asphaltic base crude petroleum, is present in sufficient quantity, its commercial use would fall under one of the following headings:-

- (1) as a fuel oil
- (2) " " residual oil
- (3) the base for the preparation of various grades of lubricating oils and bitumen

Samples of the recovered fractions of the oil treated at this Laboratory are forwarded herewith for inspection.

J.C. Watson

*J.C. Watson*  
Chief Chemist  
19/3/1932

Copy of Log of N° 1 Bore  
S. A. Oil Co. N° 1 Bore at 10th Ave  
Cleveland

With exception of the undermentioned cell records  
have gone astray

- Two oil sands were encountered
- First one at 1135' about 6" in thickness
- Second " " 1184' but not drilled right into

The oil which came up with the cuttings  
in the Bailer when the Glenora was encountered  
was quite promising but something <sup>occurred</sup> which was  
never properly explained ~~was~~ any more than  
that the casing could not be effectively  
cemented & nothing else to be done other than  
abandon the well which was done much  
to the disappointment of the Directors of  
the old company

This failure was probably owing to imperious

# SOUTH AUSTRALIAN OIL CORPORATION LIMITED

(In Liquidation).

## IMPORTANT NOTICE

Tel. MU 1040.

Room 15, Eighth Floor

Temple Court,

422 Collins Street,

Melbourne,

4/5/1937.

To the Shareholders,

Dear Sir or Madam,

Though it is unusual to make reports during the course of a liquidation, I feel that in this case I am justified in making this personal statement.

The position is as follows:—

The liabilities at the outset, amounting to £27,818 2s., have been reduced by the cancellation of Ramsay & Treganowan Ltd.'s agreement, the sale of the freehold property, which was being purchased under Contract of Sale, and the payment of Preferential creditors, to £7,272 4s. (excluding cost of Liquidation). Certain creditors have also agreed to accept shares in the new undertaking in payment of a proportion of this amount.

Now, against these liabilities, nearly the whole of the plant, four leases, the interest in the Midwest Oil Company No Liability, and other assets are held.

The formation and work of the Austral Oil Drilling Syndicate No Liability has improved the whole prospect of a successful realisation of these assets. Foster's Bore has been drilled, and is now producing crude oil at the rate of approximately three and a half barrels daily. By testing and by the research work of Mr. Frederick Chapman, A.L.S., F.G.S., etc., (late Palaeontologist to the Commonwealth Government of Australia), very valuable information has been gained, and the leases promise to be of considerable value. It is solely as a result of the existence of the Austral Oil Drilling Syndicate No Liability that I have been able to hold the assets. If these had been realised at the beginning of the liquidation in the ordinary way, the creditors might possibly have received 5s. in the £1, but there would have been nothing left over for the shareholders. As a result of the efforts to date, there is reasonable prospect of paying the creditors in full and of shareholders still retaining an interest in the leases.

If the Austral Oil Drilling Syndicate No Liability is as entirely successful as is hoped in developing the oil field, the money spent by the South Australian Oil Corporation Limited (In Liquidation) will not have been in vain.

The Federal Oil Advisory Committee has agreed to recommend advances on a £ for £ basis to the Austral Oil Drilling Syndicate N.L., but one of their stipulations is that the Company must have sufficient money in hand to proceed with drilling six wells before the Federal Government will make the advances.

It will thus be apparent to the 2,265 shareholders of the South Australian Oil Corporation Limited (In Liquidation) that, thanks to the formation and work of the Austral Oil Drilling Syndicate N.L., I have been justified in not rushing the realisation of assets. Whereas, as Liquidator, the matter is solely in my hands, I am taking this opportunity of informing shareholders of the position, and I am sure that they will be quick to realise that any interest which they may ultimately get is due to the whole-hearted assistance I have received from your late Directors and the Austral Oil Drilling Syndicate N.L.

Support for the Austral Oil Drilling Syndicate N.L. should go a long way to expedite a satisfactory conclusion to this liquidation.

Yours faithfully,

R. H. WILLIS, Chartered Accountant (Aust.),  
Liquidator.