



WELL ELEMENTARY

REPORT

S.A. OIL WELLS

MOUTAJUP-3

W 339

PE904038

This is an enclosure indicator page.  
The enclosure PE904038 is enclosed within the  
container PE906786 at this location in this  
document.

The enclosure PE904038 has the following characteristics:

- ITEM\_BARCODE = PE904038
- CONTAINER\_BARCODE = PE906786
- NAME = Well card
- BASIN = OTWAY
- PERMIT =
- TYPE = WELL
- SUBTYPE = WELL\_CARD
- DESCRIPTION = Well card, South Australian Oil Wells  
No.3, Section 133, (enclosure from Well  
Elementary) for Moutajup-3
- REMARKS =
- DATE\_CREATED = 31/01/22
- DATE\_RECEIVED =
- W\_NO = W339
- WELL\_NAME = South Australian Oil Wells Moutajup-3
- CONTRACTOR = Sth Australian Oil Wells Co. NL
- CLIENT\_OP\_CO = Sth Australian Oil Wells Co. NL.

(Inserted by DNRE - Vic Govt Mines Dept)

August:- The Commonwealth Government offer for oil in payable quantities attracted attention, and ~~and~~ it was stated in August, 1921, that in a shallow bore near Moutajup, a small township on the railway line between Dunkeld and Hamilton in Western Victoria, ~~that~~ petroleum had been found. This was referred to by Mr. H. C. Dod, B.Sc., who, in a report to the Directors on the South Australian Oil Wells Company, recommended the exercising of an option over the holdings of the Western District Oil Syndicate, with the object of immediately developing the area. The Directors adopted his recommendation, and secured leases to the extent of 5,000 acres in the vicinity. ~~When~~ [When boring for water about 1910, a contractor observed indications of "oil." Nothing was done until 1921, when a syndicate was formed and the matter was brought under the notice of the South Australian Oil Wells Company who secured an option over the leases. A bore which had reached a depth of 175 feet was ~~deepened~~ deepened. Samples of the material from the bore were tested in the field and it was reported that positive petroleum results were obtained. Mr. Dod stated ~~that~~ that the work already done had proved "the presence of thick beds of carbonaceous shale containing all the organic matter necessary for the formation of oil in quantity, also the proper series of strata favorable to the concentration of oil. The ground consists of alternating sands, clays, and shales covered by thick layer of basalt." "The basalt and layers of clay," he asserts, "account for the absence of surface indications and the presence of oil sand containing visible oil in small percentage was only proved by chance while boring for water." Reports received in Melbourne at the end of July that "oil had been discovered" led to speculation in South Australian Oil Wells shares, which rose from 18d. on 19th July to 12/- on the 10th August. On the receipt of Dod's report, however, share values declined sharply to 9/-. The following day, 11th August, 1921, Mr. Barnes, Minister for Mines, said ~~that~~ when commenting upon the claim that petroleum had been discovered at Moutajup "that he would advise the public to exercise caution. The Mines Department, he explained,

did not wish to damp the ardour of oil searchers or to force its <sup>views</sup> upon those who thought their knowledge was superior to that of the geological staff, but he would urge that those who claimed to have discovered free mineral oil and to be in possession of samples should submit them for test to Commonwealth or State Government analysts."

A Company, the Moutajup Oil Wells, N.L., was formed in September, 1921; the legal Manager was Mr. H. E. Connelly, and boring operations were commenced on Mt. Sturgeon Estate. The South Australian Oil Wells Company was interested in the <sup>adjoining</sup> area, and the drilling was carried out by the Goldfields Diamond Drilling Company. Huts ~~was~~ for the men, an office, and a laboratory were erected.

Mr. Charles <sup>McLennan</sup> ~~McLellan~~, the discoverer of the oil indications, was the Field Superintendent of Moutajup Oil Wells Company.

Another Company, the Jennawarra Oil Wells, 40,000 shares at 5/- each, was formed to test a large area of country adjacent to the South Australian Oil Wells and Moutajup Oil Wells holdings at Moutajup. This property was reported on by Mr. <sup>McLennan</sup> ~~McLellan~~, and the prospectus set out that "immediately on the formation of the company, a site would be chosen for a bore." By the beginning of November, 1921, <sup>companies</sup> ~~four companies~~, the Moutajup, South Australian, and Jennawarra, had been formed, while the Rockefeller Oil Wells and the Meudell Standard Oil Wells were being floated to prospect on properties adjacent to that of the South Australian Oil Wells. A rotary plant, capable of drilling to a depth of 4,000 feet, was to be used.

Another Company, the Boonah <sup>Wah</sup> Oil Wells N.L. located at Moutajup was floated with a capital of £10,000 <sup>in</sup> ~~and~~ 40,000 shares at 5/-. Twenty-five thousand of these shares <sup>were</sup> issued to the public at 6d. per share on application. The company was formed to acquire <sup>boring</sup> ~~options~~ options over property <sup>near</sup> Moutajup in the vicinity of the bores being operated by the South Australian Oil Wells, the Moutajup Oil Wells, and the Jennawarra Oil Wells Companies, where discoveries of petroleum have been reported over a wide area.

SOUTH. AUSTRALIAN. OIL. WELLS. COY. N.L.

Report for,

MINISTER OF MINES.

*S.A.O.W. Moutajup No 1A*  
*No 2, No 3*

Covering work done at Moutajup to 14th of December, 1921.

No 1 Bore, Elevation 785 feet. Section 121- Parish of Moutajup, Victoria.

LOG (continued)-

W337

- 136-167, Dark sand with traces of oil (Proved by ether test).
  - 167-167 $\frac{1}{2}$  Sandstone
  - 167 $\frac{1}{2}$ -168 Clay, dark
  - 168-209 Sand and gravel, brown to yellow; with good water in quantity.
  - 209-217 Clay-dark brown sandy with thin layer concretionary limestone below.
  - 217-430 Shale-blue, with thin bars of hard blue fine sandstone. Calcite seams occur from 363 feet, onwards. Much black scum on mud with traces of light oil at times.
  - 430-504 Shale, paler blue, fairly hard, much shattered at times and filled in with calcite (probably of Jurassic age) Scum as above. Inflammable gas occurs all through the shale, increasing with depth. Oily films are more frequent. Stopped this well at 504 feet.
- Casing Record,- 8"x23lb pipe to 153 landed in clay  
6 $\frac{3}{8}$ "x17lb Landed in blue shale at 231 feet.  
5"x11lb Cemented with  $\frac{1}{2}$  ton of cement at 327 feet in shale.

This hole will be tested for a gas well when cement is set.

No 2 Bore, ( continued)-

W338

- 222-223, Sandstone (Miocene).
  - 223-239, Sand and gravel with corals etc.
  - 239-243, Clay, pale blue.
  - 243-265, Gravel with 2 feet of clay at 252 feet.
  - 265-274, Limestone, pale and fine grained, -Base of Miocene strata.
  - 274-280, Shale, white with sandy bars.
  - 280-303, Shale, blue, with thin sandstone bars., pyrites and calcite Probably Jurassic in age.
- Good water at 190 feet, and a little at 245 feet.  
Pulled 5' casing out. Left 6 $\frac{3}{8}$ " casing at 239 feet, in clay. Perforated at 194 feet and 204 feet for use as a water well.

Oil films show in sandstone at 220 feet and much stronger ones from the sand just above 239 feet. Casing "froze" so could not develop this latter sand.

No 3 Bore On Section 133 Parish of Moutajup, Owner Mrs. J. Duschke. Elevation 765 feet (approx above sea level.)

W339

- Log,-
- 0-1 $\frac{1}{2}$ , Soil
  - 1 $\frac{1}{2}$ -4 $\frac{1}{2}$ , Gravel (ironstone) and hard sand lumps.
  - 4 $\frac{1}{2}$ -48, Sand, coarse, cemented with red clay (Red beds).
  - 48-52, Hardened "Red beds".
  - 52-192, Sand, brown, white, gray and varying fineness.
  - 192-195, Sand, blackened by carbonaceous matter, tarry odor, traces of oil.
  - 195-206, Sand and gravel.
  - 206-207, Sand, greenish grey, with oil very plain on water. Films rapidly disappear.

South Australian Oil Wells (Contd.) -

W339 No. 2 Bore, on Sec. 115, Parish of Moutajup -

3' - 39' Basalt  
220' - 232' Sandstone and tuff; fossil shells and corals  
(Tertiary)  
223' - 239' Sand and gravel with corals  
265' - 274' Limestone pale and fine grained. Base of  
Miocene strata?  
280' - 303' Blue shale (probably Jurassic?)

W341 No. 3 Bore, on Sec. 113, Parish Moutajup, Elevation 765 feet -

Sands and gravel to 219 feet  
219' - 222' Hard white sandstone.

W342 No. 4 Bore, Sec. 118B, Parish Moutajup, 790 feet above sealevel.

0' - 66' Clay and sand  
66' - 213' Sand within 100 yds. of high knob of basalt  
but bore showed none.  
213' - 216' Shell fragments.  
260' - 283' Blue shale with quartz.

W335 Moutajup Oil Co. -

Bore No. 1, Parish Jennawarra, near northwest corner Allot. 4, Sec. G. -

6' - 11' Basalt Aneroid 740 feet  
Clay and sand to 181 feet.

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*Addendum E. W. B.*

207-213, Sand, grey and gravel.  
213-219, Sand, fine greenish gray.  
219-222, Sandstone hard white, with soft sandy bars. Gas bubbles in water. Cementing off the 6 $\frac{3}{8}$  casing at 219 feet.  
Water at 52 feet (a little) and 197 feet (a lot) - Good. Landed 6 $\frac{3}{8}$  casing on sandstone at 219 feet after driving it.

No 4 Bore. Section 118B, Parish of Moutajup- Owner Mrs.  
Elevation about 790 feet above sea level.

W340

log-  
0-2 Sandy soil.  
2-5 Clay, sticky yellow.  
5-53 Sand with red clay. (Red beds as in No 3.)  
53-66 Sand, pale reddish yellow.  
Put in 6 $\frac{3}{8}$  casing to the bottom.

This well is within a hundred yards of high knob of recent basalt yet showed none. This knob seems to be like a volcanic neck.

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LOGS OF BORES.

SOUTH AUSTRALIAN OIL WELLS.

Anglesea Bores, p. 131 -

No. 1 Bore, Sec. XIII, Parish Angahook, near Anglesea River -

39' - 186' Black carbonaceous mudstone  
 274' - 282' Brown coal  
 301' - 312' Brown coal  
 418' - 429' Brown coal  
 455' - 462' Coarse sand.

No. 2 Bore, Noble Lease, 46 ch. west of No. 1 and 250 ft. higher, p. 131

105' - 300' Black mudstone  
 366' - 439' Brown clay; beds of fossil shells  
 580' - 582' Brown coal  
 736' - 741' Brown coal  
 742' Whitish clay.

*Juanietta gunc  
 first record  
 Turritella*

*Tertiary  
 Lower Tertiary  
 Tertiary*

Moutajup -

SAOW Moutajup

No. 8 Bore, Allot. 3B, Sec. C, Parish Jennawarra - 1, 1A, 2, 3,  
 4, 5, 6, 7, 8.

16' - 201' Basalt  
 231' - 262' Tertiary shells  
 272' Bedrock (Ordovician)

No. 7 Bore, Allot 8, Sec. 14, Parish of Warrayure (North) -

4' - 124' Basalt  
 6" lignite at 135'  
 143' Blue shale with quartz veins.

No. 6 Bore, p. 130, on Allot. 3, Sec. XX, Parish Warrayure -

6' - 154' Basalt  
 195' - 225' Limestone mass of shells toward base.  
 225' - 236' Pale blue shale; bedrock ?.

No. 5 Bore, Allot. 1, Sec. 9, Parish Jennawarra, opposite Moutajup  
 Oil Wells No. 1 bore -

8' - 18' Basalt  
 sand to 36' pulled casing.. water bore.

No. 4 Bore - *See next page*

213' - 216' shell fragments upper Tertiary  
 260' - 283' Blue shales with quartz.

No. 3 Bore - *See next page*

222' - 228' Mud  
 228' - 239' Quartzite

South Australian Oil Wells -

No. 1 Bore, Sec. 121, Parish Moutajup -  
 to 165 feet in coarse sand.

No. 1a, 60 yards southwest of No. 1, Elevation 785 feet -

2' - 60' Basalt  
 131' - 134' 6" Lignite  
 217' - 430' Blue shale Bedrock?  
 430' - 504' Pale blue shale, Stopped at 504 feet.

This letter was held over until the return to office of the Minister.

S A O W M O U T A J U P  
N<sup>o</sup> 1 N<sup>o</sup> 1 A, 2, 3, 4, 5, 6

SOUTH AUSTRALIAN OIL WELLS

Covering work done at Moutajup to January 31st, 1922.

W336 No. 1 Bore: Water well. Sanded up so pulled all casing and abandoned.

W337 No. 1 A: Cement set well, but did not shut off water. Left 5" casing to 527 feet cemented. Now pulling out 8" and 6 $\frac{3}{8}$ " casing.

W338 No. 2: Water well.

W339 No. 3: Log - 222-228 Sand soft and white with hard layers; 228-239 Quartzite grey and hard; cementing failed. Pulled 6 $\frac{3}{8}$ " casing and put in 200 feet of 5" pipe. Left hole as a water well.

W340 No. 4: 66-213 ft. - sand and gravel;  
213-216 ft. - Calcareous sand with shell fragments.  
(Upper Tertiary)  
216-223 Sandstone grey and hard;  
223-230 Sand fine white cemented by pale blue clay;  
230-256 Shale pale blue.  
256-260 Sandstone white and hard;  
260-283 Shale blue with quartz inclusions, also layers of fine blue sandstone.

Left 222 ft. of 6 $\frac{3}{8}$ " casing in the bore for a water well.  
Water at 90 ft. and 214 ft.; a large supply at latter level.  
Oil films 125 ft. onward to 216 ft. patchy.  
Gas bubbles 123 to 230 ft. patchy.

W341 No. 5: On allotment 1 of section 9, Parish of Junnawarra.  
Owner N. Young.

Log - 0-3 ft. sandy soil;  
3-4 $\frac{1}{2}$  gravel  
4 $\frac{1}{2}$ -8 Clay buff, soft  
8-18 Basalt decomposed  
18-34 Sand, hard and then soft  
34-35 Sand bar cemented by iron oxide  
35-36 Soft sand

SOUTH AUSTRALIAN OIL WELLS COMPANY

Covering work done to 28th February, 1922.

W336	No. 1 Bore, Moutajup	-	Abandoned.
W337	1A " "	-	Water well, 527' of 5" casing left in cemented.
W338	2 " "	-	Water well
W339	3 " "	-	Water well
W340	4 " "	-	Water well
W341	5 " "	-	Abandoned
W342	6 " "	-	

Log Contd.

80' - 154' .. Basalt  
 154' - 163' .. Fine white sand  
 163' - 188' .. hard blue sand  
 W342 188' - 195' .. Fine grey sand  
 195' - 225' .. Limestone grey granular, becoming a mass of shells towards the base.  
 225' - 236' .. Shale, pale blue, mudstone becoming darker. Veins of calcite, black scum on mud and a little gas.

Remarks: No oil. Pulled casing, left 30' of 6 3/8" in at top for a water well. Fine supply of water from 194' and onwards.

No. 7 Bore, Moutajup; on ~~000000~~ Allotment 8 of Section 14, Warrayure Parish; owner E. B. Noske.

Log:

W343 0' - 1' 6" .. soil, dark  
 1' 6"-4' .. Clay, yellow  
 4' - 17' .. Clay and decomposed basalt  
 17' - 124' @ .. Basalt, hard  
 124' - 140' .. Sand, fine brown. 6" lignite at 135'.  
 140' - 143' .. Clay, blue  
 143' - 175' .. Shale, dark blue with quartz veins.

Remarks: Water at 24' (sub-artesian, strong) and at 115'. No oil. Pulled casing; left as a water well.

1921 Spudded, Nov. 1921 El. 2765'

Abandoned Jan 1922. T.D. 239.

Ph. Mantajup.

Location Sect. 133. Ph Mantajup

*Washed.*  
Casing 6 3/8" cemented at 219'  
5" to 200'

Soil.	0 - 1'6"
Gravel.	1'6" - 4'6"
"Red Beds" - Sand, coarse, cemented w/ red clay	4'6" - 48'
Hardened red beds "	48' - 52'
Sand, brown, white, grey.	52' - 192.
Sand, blackened by carbonaceous matter, tany odour.	
traces of oil.	192 - 195
Sand & gravel	195 - 206'
Sand, greenish grey, with oil very plain on water, films rapidly disappear	206' - 207'
Sand grey, & gravel	207 - 213.
Sand, fine, green-grey	213 - 219.
Sandstone hard, white, with soft sandy bars. Gas bubbles in water	219 - 222.
Sand, soft, white, with hard layers	222 - 228.
Quartzite, grey, hard	228 - 239.

*(Cased)*

Pulled 6 3/8" casing & put in 200' of 5" pipe.  
Left hole water well.

*CM*

Water at 52' (a little) and 197' (good quantity & quality)

*CM dr*