Natural Resources and Environment



HEDLEY-1 (G.B.) WELL Summary

(Woodside)

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REGISTRY MUST BE NOTIFIED OF ANY FILE MOVEMENTS BETWEEN OFFICERS

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WELL SUMMARY HEDLEY-1 (W452)

CONTENTS PAGE:

APPENDIX.....

- 1.0 Well Card
- 2.0 Weekly Drlling Reports
- 3.0 Paleontological References

1.0 WELL CARD.

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PE904219

This is an enclosure indicator page. The enclosure PE904219 is enclosed within the container PE904905 at this location in this document.

The enclosure PE904219 has the following characteristics:

ITEM_BARCODE = PE904219 CONTAINER_BARCODE = PE904905

B. C. Harrison

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NAME = well card

BASIN = GIPPSLAND

PERMIT =

TYPE = WELL

SUBTYPE = WELL_CARD

DESCRIPTION = well card (from Well Summary) for

Hedley 1

REMARKS =

DATE_CREATED = 29/05/1957

DATE_RECEIVED =

 $W_NO = W452$

WELL_NAME = Hedley-1

CONTRACTOR = Westralian Oil Ltd CLIENT_OP_CO = Westralian Oil Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

2.0. WEEKLY DRILLING REPORT.



HEDLEY-1

Mines (Petroleum) Act, 1935. Section 45.

Record of Work at WOODSIDE (LAKES ENTRANCE) OIL CON. L. bore on HEDLEY-1

* Petroleum Prospecting Licence Number 174.... during week * Rekrakemukikukakkikeesee

ending 31st. May - // Oct 19.57

DEPTH	DESCRIPTION OF STRATA
0' - 138'	Coarse sand, coal, clay and sandstone.
1 <u>38' - 207</u> '	Sandstone.
207 - 242	ARKOSE
242 - 325	SANDSTONE & SHALE
325' -444	Arkose
447'-552'	ARKOSE & MUDSTONE
552'-605'	ARKOSE, MUDSTONE & COAL
605'-3489'	

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

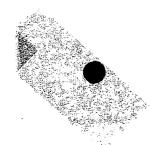
6.5/8" Casing cemented to 130 feet.

WOODSIDE (LAKES ENTRANCE) OIL CO. N.L. SIGNED

LEGAL MANAGER Rees B. Withers. COY.

 $\underline{\mathbb{N}}_{c}\underline{\mathbb{B}}_{c}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.





WOODSIDE (LAKES ENTRANCE) OIL CO. N.L.

DRILLING PROGRESS REPORT

Well No.

Hedley No. 1.

Present Depth

2122 feet.

Drilling Progress since last report. 392 feet.

Nature of formation

Fine Medium Grained Arkose.

General

Remarks Drill pipe twisted off at 2122 feet

but now recovered. Fishing operations for

recovery of bit cones proceeding

satisfactorily.

Present Status

5th August, 1957.

(Sgd.) Rees B. Withers, GENERAL MANAGER.

COPY

WOODSIDE (LAKES ENTRANCE) OIL CO.N.L.

DRILLING PROGRESS REPORT

Well No.

Hedley No.1

Present Depth

3,615 feet.

Drilling Progress since

last Report

126 feet.

Nature of Formation

Fine Arkose.

General Remarks

Drilling continues to be slow because of hard nature of formation which is again showing evidence of considerable

fracturing.

Present Status

Coring.

7.11.57.

General Manager

gr. Mones 2 2 2 2 2 1 57

WOODSIDE (LAKES ENTRANCE)

COMPANY NO. LIABILITY

Registered Office and Share Office -

178 Victoria Parade, East Melbourne. C.2. Telephones; FB 1444, FB 3225.

The Secretary for Mines,
Mines Department,
Treasury Gardens,
Melbourne. C.2.

Dear Sir.

The latest report from the Company's Field Superintendent shows that the present depth of the Hedley No. 1 hole is 1,450 feet in Sandstone formation.

During the week a further fractured zone was encountered at 1,200 feet. causing temporary loss of mud circulation.

Drilling progress for the week shows an advance of 450 feet.

Murray Valley Basin -

The Directors advise that a gravimetric survey on part of the Company's exploration areas in the Murray Valley Basin has been completed by the Bureau of Mineral Resources, Department of National Development. Arrangements are being made with the Bureau so that the remainder of the survey work can be carried out in the near future.

Yours faithfully,

WOODSIDE (LAKES ENTRANCE) OIL CO. N.L.

(Sgd.) Rees B. Withers.

REES B. WITHERS
General Manager.

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WOODSIDE (LAKES ENTRANCE) OIL CO. N.L.

DRILLING PROGRESS REPORT

Well No.

Hedley No. 1.

Present Depth

395 feet.

Drilling Progress since last report

5 feet.

Nature of Formation -

Very hard Silecous cemented Arkose with some Felspar. Medium fine

grained.

General Remarks -

Drill encountered fractured formation causing entire loss of mud circulation

at 395 feet.

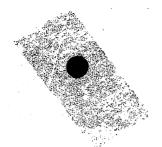
Present Status

Drillingtemporarily suspended.
Preparations being made to run in pipe
line for increased supply of water.
Continuous coring to be carried out in
endeavour to penetrate fractured zone.

(Sgd.) Rees B. Withers.

GENERAL MANAGER.

14th June, 1957.





WOODSIDE (LAKES ENTRANCE) OIL CO. N.L.

DRILLING PROGRESS REPORT.

Well No.

Hedley No. 1

Present Depth

461 feet.

Drilling Progress 66 feet. since last report

Nature of

Formation

Hard Sandstone and Shale.

General

Remarks

Cored through fracture zone and regained

circulation.

Present

Status

Drilling ahead.

21st June, 1957.

(Sgd.) Rees B. Withers.

GENERAL MANAGER.

Dr. Thomas. 1. 57

VICTORIA

HEDLEY-1

Mines (Petroleum) Act, 1935. Section 45.

	·
Record of W	ork at .WOODSIDE (LAKES ENTRANCE) OIL CON. L. bore on
* Petroleum Pr * Returkennuk	rospecting Licence Number 174 during week
ending	31st. May 19.57
DEPTH	DESCRIPTION OF STRATA
0' - 138'	Coarse sand, coal, clay and sandstone.
138' - 165'	Sandstone.
petroleum ha	ller in Charge (State in notes whether water, gas or seen met with, and, if so, give depth and nature of also depth to which casing has been inserted and
•	6.5/8" Casing cemented to 130 feet.
	•
	WOODSIDE (LAKES ENTRANCE) OIL CO. N.I
	SIGNED
	TEGAT MANAGER Rees B. Withers.

Date .24../...7./..57: .

 $\underline{\text{N}}_{\circ}B_{\circ}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

VICTORIA

Mines (Petroleum) Act, 1935. Section 45.

DEPTH	DESCRIPTION OF STRATA
165'-207'	Sandstone
207'-242'	Arkose
242'-325'	Sandstone and Shale.
325'-381'	Arkose.
petroleum h	iller in Charge (State in notes whether water, gas as been met with, and, if so, give depth and nature also depth to which casing has been inserted and

WOODSIDE (LAKES ENTRANCE) OIL CO. N.L. SIGNED

LEGAL MANAGER ... Rees. B. Withers..... COY.

Date ...24/...7../..57...

 $\underline{\text{N}}_{\circ}\underline{\text{B}}_{\circ}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

DEPTH	DESCRIPTION OF STRATA
381'-447'	Arkose.
447'-552'	Arkose and Mudstone.
petroleum hoccurrence, cemented.)	iller in Charge (State in notes whether water, gas or as been met with, and, if so, give depth and nature or also depth to which casing has been inserted and
f	•

Date .24../...7./.57...

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

LEGAL MANAGER ... Rees B. Withers. COY.

VICTORIA

Mines (Petroleum) Act, 1935. Section 45.

Record of Work at WOODSIDE.(LAKES.ENTRANCE).OIL.CO. N.L. bore on HEDLEY -/

* Petroleum Prospecting Licence

* Petroleum Prospecting Licence

* Petroleum Prospecting Licence

Number ...174............. during week

ending28th June, 1957. XX

DEPTH	DESCRIPTION OF STRATA	
<u> 552' - 605'</u>	Arkose, mudstone and coal.	
605' - 648'	Arkose.	
	•	

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

SIGNED WOODSIDE (LAKES ENTRANCE) QIL CO. N.L.

Rees B. Withers.

COY.

Date24 ... 7. /.. 57. .

 $\underline{\mathbb{N}}_{\circ}\underline{\mathbb{B}}_{\circ}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

VICTORIA

Mines (Petroleum) Act, 1935. Section 45.

Record of Work at Woodside (Lakes Entrance) Oil Co. N. Lbore on

* Petroleum Prospecting Licence
** Ræknækænækkinækækæ

ending 5th. July .. 1957.... 19...

	DESCRIPTION OF STRATA
Arkose.	
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entermination of the state of t	
	Arkose.

Notes by Driller in Charge (State in notes whether water, gas or petroleum has been met with, and, if so, give depth and nature of occurrence, also depth to which casing has been inserted and cemented.)

SIGNED WOODISDE (LAKES ENTRANCE) OIL CO.N.L LEGAL MANAGER ... Rees B. Withers COY.

Date .. 24./...7./...57. .

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

VICTORIA

Mines (Petroleum) Act, 1935. Section 45.

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DEPTH	DESCRIPTION OF STRATA
1000' - 1285'	Arkose.
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petroleum ha	ller in Charge (State in notes whether water, s been met with, and, if so, give depth and nat also depth to which casing has been inserted ar
1	

SIGNED WOODSIDE (LAKES ENTRANCE) OIL CO. N.I

LEGAL MANAGER Rees. B. Withers..... COY.

Date ...24./....7./.57....

 $\underline{\text{N}}_*\underline{\text{B}}_*$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

VICTORIA

Mines (Petroleum) Act, 1935. Section 45.

DEPTH	DESCRIPTION OF STRATA
1285'-1586'	Arkose.
petroleum ha	iller in Charge (State in notes whether water, ga as been met with, and, if so, give depth and natur also depth to which casing has been inserted and
cemented.)	

SIGNED ..WOODISDE.(LAKES.ENTRANCE).OIL CO.N.I LEGAL MANAGER ...Rees.B..Withers..... COY.

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

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DEPTH	DESCRIPTION OF STRATA
1586!- 1860!	Arkose.
petroleum has	sr in Charge (State in notes whether water, gas or been met with, and, if so, give depth and nature of so depth to which casing has been inserted and

N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

DEPTH	DESCRIPTION OF STRATA
1860' - 2115'	Arkose
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petroleum has occurrence, a cemented.)	ler in Charge (State in notes whether water, gas on been met with, and, if so, give depth and nature of also depth to which casing has been inserted and
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Mines (Petroleum) Act, 1935. Section 45.

DEPTH	DESCRIPTION OF STRATA
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2115' - 2123'	ARKOSE.
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petroleum has	er in Charge (State in notes whether water, gas or been met with, and, if so, give depth and nature or so depth to which casing has been inserted and
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Mines (Petroleum) Act, 1935. Section 45.

	August 1957.
DEPTH	DESCRIPTION OF STRATA
2123'- 2132'	ARKOSE.
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petroleum has	er in Charge (State in notes whether water, gas obeen met with, and, if so, give depth and nature of so depth to which casing has been inserted and
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Date .17../9..../57...N.B. - The Act also requires the Minister to be notified immediately water, gas or patroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

ending	d., August 19.57.
DEPTH	DESCRIPTION OF STRATA
2132'-2353'	ARKOSE.
petroleum ha	ller in Charge (State in notes whether water, gas or s been met with, and, if so, give depth and nature of also depth to which casing has been inserted and
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Date .17../.9.../.57... 75.9.../.57...N.B. - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

* Petroleum Wine:	pecting Licence Part Lease Number 174 d	uring week
ending 30th	1. August 19 57.	
DEPTH	DESCRIPTION OF STRATA	,
28 53' - 2616'	ARKOSE.	
petroleum has boccurrence, als	er in Charge (State in notes whether wa been met with, and, if so, give depth an so depth to which casing has been insert	d nature of
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Mines (Petroleum) Act, 1935. Section 45.

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2616' - 2757'	ARKOSE.		enderlage facility and a first facility and a sum and a similar configurations and a similar content of the simila		
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Date ...17/.9..../.57... .

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

Record of Wo	ork at .WOODSIDE (LAKES ENTRANCE) OIL CO. N. bore on HEDLEY No. 1.
* Petroleum M:	rospecting Licence Number174 during week increal Lease 3th. September 19.57.
DEPTH	DESCRIPTION OF STRATA
2757! - 2989!	Arkose.
petroleum ha	iller in Charge (State in notes whether water, gas or as been met with, and, if so, give depth and nature of also depth to which casing has been inserted and
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SIGNED (WQQDSIDE (LAKES ENTRANCE) OLL. CO. N.L.

LEGAL MANAGER COY.

Date 31 10 57.

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

* Petroleum Pro * Petroleum Min	specting Licence Number174 during week
ending20t	ch. September, 19.57.
DEPTH	DESCRIPTION OF STRATA
2989' - 3156'	A _r kose.
petroleum has	ler in Charge (State in notes whether water, gas of been met with, and, if so, give depth and nature of lso depth to which casing has been inserted and

SIGNED WOODSIDE (LAKES ENTRANCE) OIL. CO.N.L.

LEGAL MANAGER COY.

Date ..31./.10../.57...

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

	September 197.
DEPTH	DESCRIPTION OF STRATA
3156! - 3342!	Arkose.
· · · · · · · · · · · · · · · · · · ·	
petroleum has b	r in Charge (State in notes whether water, gas or een met with, and, if so, give depth and nature of o depth to which casing has been inserted and

Date ...31/..10./.57...

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

	October, 19.57.
DEPTH	DESCRIPTION OF STRATA
3342' - 3452'	Arkose.
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Notes by Drill petroleum has occurrence, al cemented.)	ler in Charge (State in notes whether water, gas or been met with, and, if so, give depth and nature of lso depth to which casing has been inserted and
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Date 31.../.10./..57.

 $\underline{\text{N.B.}}$ - The Act also requires the Minister to be notified immediately water, gas or petroleum is encountered.

Mines (Petroleum) Act, 1935. Section 45.

* Petroleu m-Mind	specting Licence Number during week
endingll	th. October 19.57.
DEPTH	DESCRIPTION OF STRATA
152' - 3489' -	Arkose.
petroleum has	er in Charge (State in notes whether water, gas or been met with, and, if so, give depth and nature of so depth to which casing has been inserted and
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Market ()	for the second s
Monday (Market)	SIGNEDWOODSIDE (LAKES ENTRANCE) OIL CO
Morrow John John John John John John John John	signedwoodside (Lakes entrance) oil co

3.0 PALYNOLOGY & PALAEONTOLOGY

List of Palaeontological Reports Held in Basin Studies Section.

File No.

Dethuann 1969 Palynological Zonation of Lower Cretaceous Sediments of the Otway Basin Victoria. Stell Development Australia (S.D.A.) Rept. R:1817 1969

Planet Tullich -1 Anglesea -1 Oil Development Heathfield -1 VMD Timboon -5 Casterton-1 Wangoom -2 F.B.H. Pretty Hill -1 Wangoom -6 Eumerally -1 Terang-1 Flaxmans-1 Carpendeil-1 Port Campbell -1 V_1 Tandarook -1 Port Campbell - 2 Mepunga -7 Port Campbell-3 Corriejong -1 Port Campbell -4 Panmue -2 Shorbrook -1 Yangery - 1 Fergusons Hill-1 Laung -1 Belfast -4 Interstate Woolsthorpe -1 Ecklin -3 Carvoc -1 Purrumbete -1 Birregurra -1 Pectin 1 A Shell Nerita -1

Bibliography of Publications on Australian Polynology to 1963. in Proc. 2nd Symposium on the Development of Petroleum Resources of Asia + the Far East. Mineral Resources Develop. Series 18 (VI)

3.

Dettmann 1969 Palynological Zonation of the Othery Croup, S.D.A. Report 1854

Cray Fish A 1 South Australian Well
Robe-1

Beach port - 1

Geltwood Beach - 1

Kalangadoo-1

Penola-1

Comaum - 1

Deltmann 1970. Palynological Zonation of Upper Cretaccous Sedinents of the Otway Basin Report (unnumbered). SBA s. Anst. Esso Crayfish -1 VMD. Timboon-5 Alliance Kalangadoo-1 Wangoom -2 Planet Heathfield -1 Wangoom -6 FBA Prietty Hill -1 Mepunga -7 11 Eumeralla -1 Courjejong - 1 Flaxmans-1 Panmure -2 Port Campbell-1 Yangery - 1 Port Comphell-2 Laang-1 " Port Campbell-3 Belfast -4 " Port Campbell-4 Heywood - 10 11 Sherbrook-1 Narrawaturk -2 " Fergusons Hill-1 Latrobe -1: Shell Voluta -1 Pectin -1 Nerita -1

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9.

Dethmann 1964 Spores + Pollen Crains from the Oting Group Outcrop Locations on 1:31,680 Beach Forrest C Military Map, Fergusons Hill -1.

Oil Develop. Anglesen-1

Dethmann 1965. Palynology of core samples from Yangery -1, Laang-1, Belfast-4, Haywood-10, Narrawaturk-2, Portland-3 Latrobe-1, Ecklin-3.

Dethmann 1969. Palynological Report on VMO Banxholme-1, Otway Basn, Vic SDA File R1815

Determann 1959. Upper Mesozoic Cores - Woodside 1,2+3 and Hedley-1, Victoria, Prac R. Sac. Vic 71:99-105.

Dethuann v Playford 1965. Rhacto-Liassie plant microfossils from the Leigh Ck. coal measures, S. Aust. Senck. Leth. 46 (2/3). 127-181