

Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT



DUTSON 1

SUMMAI

Bate Clearing Clearing Officer's Initials

FILE COVER INSTRUCTIONS FOR ACTION OFFICERS

- (1) FOLIO NUMBERS: Each subject paper attached to a
- FOLIO NUMBERS: Each subject paper attached to a file is to be given a consecutive number by the attaching officer. Papers must not be removed from or attached to a file without approval.
 REFERRAL TO OTHER OFFICERS: When an Officer completes action on the file and further action is required by some other Officer, please initial Column (4) and on the next vacant line, enter the relevant folio number in Column (1), indicate to whom the file is to be forwarded in Column (2) and record the date in Column (3). Column (3).
- (3) BRING UP MARKINGS: When action on a file is required at a later date, the officer will initial Column (4) and, on the next vacant line, enter the relevant folio number in Column (1), then write "B/U" followed by the action officer's name in Column (2) and the date the file is required in Column (3).
- (4) PUTAWAY MARKINGS: When ALL action on a file is completed the officer concerned will initial Column (4) and, on the next vacant line, write "P/A" in column (2).

REGISTRY MUST BE NOTIFIED OF ANY FILE MOVEMENTS BETWEEN OFFICERS

EARLIER FILES	LATER	R FILES RECORDS DISPOSITION		
	RELEVAN [®]	T FILES		
File No.		Subject		
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SYMBOL	S FOR AC	TION OFFICE	RS	
EXECUTIVE		PERFORMANCE	EVALUATION	
Secretary Deputy Secretary Executive Director Portfolio Management	SEC DS EDPM	Chief Economist Manager Internal Audit Manager Strategic Qua		CE MIARMP MSQA
Executive Director Performance Evaluation Executive Director Primary Industries and Chief Scientist Executive Director Catchment Mgt & Sustainable Agricultu Executive Director Minerals and Petroleum	EDPE EDPI,CS re EDCMSA EDMP		GT & SUSTAINABLE	
Executive Director Forests Service Executive Director Parks, Flora and Fauna Executive Director Land Victoria Executive Director Regional Services	EDFS EDPF EDLV EDRS	Program Manager Pest Director Catchment & V Director Sustainable De Director Office of Rural Director Natural Resoul	Vater Resources evelopment Affairs	PMPPA DCWR DSD DORA DNRP
CORPORATE MANAGEMENT General Manager Corporate Services	GMCS	FORESTS SERV	·	2,
Chief Finance Officer Manager Information Technology Strategies Director Capital Policy Director Human Resources Director Planning & Budget	CFNO MITS DCP DHR DPB	Manager Commercial F Chief Fire Officer Manager Forest Manag Manager Regional Fore	ement	MCF CFO MFM MRFA
Director Information Technology & Telecommunications Director Business Reform Manager Business Improvement	DITT DBR MBI	PARKS, FLORA Manager Parks & Rese		MPR
Manager Administrative Policy & Procedures Manager Metropolitan Administrative Operations Manager Corporate Communications & Information Manager Electronic Information Services	MAPP MMAO MCCI MEIS	Manager Business Mar Manager Flora & Fauna Manager Coasts & Port		MBMPFF MFF MCP
Manager Library & Information Services	MLIS	LAND VICTORIA Director Geospatial Info		DGI
MINERALS AND PETROLEUM Manager Petroleum Development Manager Geological Survey Victoria Manager Mineral & Petroleum Operations	MPD MGSV MMPO	Director Resources & F Surveyor General Valuer General Director Land Registry	deform	DRR SG VG DL R
Manager Minerals Development Manager Extractive Industries Manager Minerals & Petroleum Titles	MMD MEI MMPT	PORTFOLIO MA	-	DCLM
PRIMARY INDUSTRIES & CHIEF SCIENTIST		Director Water Agencie Manager Portfolio Coor Manager Environmenta	s dination I Policy	DWA MPC MEP
Manager Chemical Standards Branch Manager Plant Standards Chief Veterinary Officer Director Bureau of Animal Welfare Director Fisheries Director Quality Assurance Director Agribusiness	MCSB MPS CVO DBAW DF DQA DA	Manager Policy Suppor Director Media	•	MPOS DM

WELL SUMMARY DUTSON-1 (W417)

TABLE OF CONTENTS:

APPENDIX.....

1.0 Well Card

2.0 Weekly Drilling Reports

3.0 Lithological Descriptions

1.0 Well Card

PE904158

This is an enclosure indicator page. The enclosure PE904158 is enclosed within the container PE905463 at this location in this document.

The enclosure PE904158 has the following characteristics:

ITEM_BARCODE = PE904158
CONTAINER_BARCODE = PE905463

Andreas Andreas

NAME = Dutson 1 Well Card

BASIN = GIPPSLAND

PERMIT = PPL82 TYPE = WELL

SUBTYPE = WELL_CARD

DESCRIPTION = Dutson 1 Well Card

REMARKS =

 $DATE_CREATED = 31/08/39$

DATE_RECEIVED =

 $W_NO = W417$

WELL_NAME = Dutson-1

CONTRACTOR = Great Eastern Oil Co. N.L
CLIENT_OP_CO = Great Eastern Oil Co. N.L

(Inserted by DNRE - Vic Govt Mines Dept)

2.0 Weekly Drilling Report

GREAT EASTERN OIL COMPANY NO LIABILITY

MINES DEPARTMENT. Victoria.

M	INES (PET	POLETI	A) ACT.	1935.
	and the second s	Section 45.		
Record of	work at	ol (Du	son)	bore on
* Petroleum	Prospecting Lic Mineral Lease	ence Number	82	during week
	11 March	/ 30 9		
enoring	*•	19. 7		
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51- 54	Grey sa	ud - dr	u + Ca	ong
5H - 70	Tough	grey o	lay	
70 - 72	Sandy	2.1		
12 - 76	grey d			
● 76. 79	Sandy	Clay		
79.110	Heavy	Sand		
	grown.			
110 - 118				
118-149	Heavy 1	and x	Course	gravel
140 154		while a		
149-154				
154-160	Coarse	- Dan	d.	• • • • • • • • • • • • • • • • • • •
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	an agradi dika si			

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

Legal Manager T. No LABILITY COY Date

* Strike out words not applicable.

EXTRACT FROM MINES (PETROLEUM) ACT 1935.

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GREAT EASTERN OIL COMPANY

1075

MINES DEPARTMENT.

Record of w	work at No! (Outson) bore on
Petroleum Petrol	Prospecting Licence Number during week
Depth	Description of Strata
160.237.	Sand Fine drift, coarse drift, packed sand.
237-240	Sifty sand with muca pieces of wood a bark
240 - 244	Slauconite Sand
244. 350	Treenish shelly mark
150-257	Shiky mark with firm bands lime stone
257-362	Polyzoal
362 379	" & marl
379 / 384	Hard lemestone
	· · · · · · · · · · · · · · · · · · ·
Notes by Dr	riller in Charge (State in notes, whether water, gas,

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Water shul off at 254 feet 10" casing down 254 feet

Signed GREAT EASTERN OIL COMPANY
Legal Manager NO LIABLITY Coy
Date 12 1989

* Strike out words not applicable.

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MINES DEPARTMENT. Victoria.

	MINES (PETROLFIIM) ACT 1935.
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Rec	ord of work at bore on
* Pet	rcleum Prospecting Licence Number during week
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ena	ing 25 havely 1939
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/ 0	Color with bands of firm to ha
	limestone and seams from
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	Very droky \$10-580
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	Korn polyzone lunastone 400-1
***	highly fossilised.
	િક્સ છે. આપક પોલ્ટ પોલ્ટિક્ટ્રે પાલાના કો ઇક્સ્પિક્ટ જિલ્લો કોઈફો પ્રોક્સિક કેટ માટે જોવા પાલાના જોવા છે. જે જ
	Page to the Company (1995年)。
	ন্দ্ৰত প্ৰস্তুত্ব বৃদ্ধি হাল্যালয়ত প্ৰতিষ্ঠানত বা হাৰ্যালয় কৰি ভাৰত বিশ্ব বিশ্ব হৈছিল। বিশ্ব বিশ্ব বিশ্ব বিশ
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Note	es by Driller in Charge (State in notes, whether water, gas,
	petroleum has been met with, and, if so, give depth and nature

Signed Delivers Signed . GREAT EASTERN OIL COMPANY Legal Manager No Liability oy

Date ... 1. A.APR/1939 .

m Strike out words not applicable.

Analyses of water, gas and oil should be submitted if available.

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MINES DEPARTMENT.

MINES (PETROLEUM) AC Section 45.	<u>T 1935.</u>
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* Petroleum Prospecting Licence Number	fl. during week
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Section 48. Every licensee and every lessee, unless in any case wholly or partially excused from so doing by the Minister, shall properly case each well with casing in accordance with the best approved methods, landing and effectually cementing one or more strings of the casing in clay or other water-impervious strata or formation between all water-bearing sands or strata and any underlying petroleum deposit, and generally shall take all such steps as are reasonably necessary for effectually shutting off all water overlying and underlying the petroleum deposits, and for effectually preventing any water from penetrating such petroleum deposits.

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MINES DEPARTMENT.

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×	* Petroleum Prospe Petroleum Minero ending	Mhrel	. 19 59.		ring week
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Signed Musicane

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MINES DEPARTMENT.

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Signed

Manager 2.6.6.12

Legal Manager

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MINES DEPARTMENT.

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MINES DEPARTMENT. Victoria.

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	MINES (PETROLEUM) A-CT- 1935.
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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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

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GREAT EASTERN OIL COMPANY Legal Manager

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MINES DEPARTMENT.

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Caring to 1092 feet. Small show of gas and fain oil films at 1166-68

Signed

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MINES DEPARTMENT. Victoria.

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	MINES (PETROLEUM) ACT 1935. Section 45.	
Record	of work at . Nulson MELL No bore on	•
Petrolo Petrolo	eum Prospecting Licence Number 82 during week	W.
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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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

Signed

GREAT EASTERN OIL COMPANY

Legal Manager Date :.

* Strike out words not applicable.

EXTRACT FROM MINES (PRITROLEUM) ACT 1935.

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MINES DEPARTMENT.

M.I.N.E	S (PETPOL	EUM) ACT	1935.	
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or petroleum ha	r in Charge (States been met with,	and, if so, giv	re depth and na	ature
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	Sign	// ape	T EASTERN OIL (COMPANY
	(Pro) - (See See) - Logs	al Manager Date	YTHEMICON. Y.	Sox
* Strike out wor	rds not applicable	3 ∙	/	

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MINES DEPARTMENT. Victoria.

demonstration for the state of
MINES (PETROLEUM) ACT 1935. Section 45.
Record of work at Rulson - No./ bore on
* Petroleum Frospecting Licence Number during week
ending
Depth Description of Strata
Hard limestone with seams dry caving
1260/ Mare have green and greenth grey.
/1290. 1260-1261'6" Hard Remestore
1365 - 1269 6"
1270 - 1271 and 1270 - 1271 and 1271
1272'6'-127+
1276'6" - 1278'6"
1280 - 1290 Hard shallered lewestone - caving.
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en en Flagger en stemant for a konstruir en
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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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)

to 1280! lased

Fragress very slow owing strata, being driller. In houday & Tuesday casing,

Signed

Legal Manager ... MO LIMBILITY Coy Date 15./6./.39

x Strike out words not applicable.

EXTRACT FROM MINES (PRITROLEUM) ACT 1935.

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en de la seguir de

CHRIST EASTERN DIE SOM

MINES DEPARTMENT. Victoria.

Depth

Description of Strata

1290/1

1290.1291'6" Hard lemostone - continuchan
of band between 1280-1290'
1304-1305 Hard lemestone

1320-1321

Detween these bands dry awing greenish grey and brownish mare

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

and the state of the state of the contract of the state o

Progress still slow fine bounds the out but dry flaky mark caving badly even with thog as close to bottom as possible

Legal Manager Le

* Strike out words not applicable.

Burnstein State (1995) Regionalist (1994) Region (1994) (1994)

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ending ... 24 June 19 19.

Depth

Description of Strata

1322/1

Sough grey & greenish grey mark with bands dry mark - caving banky

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

Drieling shows slight surprovement though still very slow hard will not olivery up. Casing to 1356 ff.

Jo Mar baols 379

* Strike out words not applicable.

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Record of work at

* Petroleum Prospecting Licence Number during week

Depth

Description of Strata

of the San Street Contracting

TO BOOK OF HER HOST G. HOLD ...

2000年172年 李文文文章 Mind (第115年) LAME A LINEAR PROPERTY.

Garati kan sepangan dan

上的,如此时间,可以是这个,是对自己的的。 我可以是是有关,是就是重新的的意思,可以可以是这个人就是可以不是也是这个可能的。更是不管的一个对抗 意思的语言,也是好性的是不是的连接(这个人的是数(这个人的主义的,但是这种人类的是,是可以不是的。

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progress very slow

Manager 5... Coy

Strike out words not applicable.

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MINES DEPARTMENT.

•	MINES (PETROLEUM) ACT 1935.
F	Record of work at MOI Aut Leuson bore on
æ J	Petroleum Prospecting Licence Number
	ending
	Depth Description of Strata
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	/144) mark Hauconite specks in
	marrow sheaks made appear
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	ি এই কিছাৰ প্ৰত্যাপ্ত কৰা কিছিল। কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছিল। কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছিল। কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছিল। কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ কিছাৰ বিষয় ক কিছাৰ কিছাৰ কি
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	్ స్టాన్ క్రిక్ పై ప్రాంత్రి కార్ట్ కార్ట్ క్రిక్స్ స్టాన్స్ క్రిక్స్ ప్రాంత్రిక్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స క్రిక్స్ ప్రాంతి ప్రాంత్రికి స్టాన్స్ క్రిక్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్
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- T	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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)
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	్ రీమైకు, ఆ - గ్రామ్నికున్న స్టాన్స్ - ప్రేమ్లు గ్రామ్నికి ప్రభావంతో కార్స్ కట్టున్న ఈ కార్స్ పోకు కొర్సున్ని గ్రామ్మంకుడుగా - రీము - స్టాన్స్ కార్స్లు - స్టాన్లు కార్యాక్స్ క్రాంత్ర్మిక క్రామ్నికి క్రామానికి

* Strike out words not applicable.

Analyses of water, gas and oil should be submitted if available.

Legal Manager Date . /2/.

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MINES (PETROLEUM) ACT 1935. Section 45.
Record of work at Sulson No.1 bore on
* Petroleum Prospecting Licence Number 22. during week
ending 15
Depth Description of Strata - Marl
그는 사람들이 살아보고 있다면 살아보다 하는 것이 없는 사람들이 되었다. 그는 사람들이 되었다면 살아보고 있다면 살아보다 되었다.
1463/1463'6" hard scann dark lemestone
1466 - 1466'6" Their seam hard dark livestone
1466-14666" Munstan hard war country who be to be Color light brown
Of the state of th
1472'6"-73' Hard seam dark hunestone aus pyrite
1493 - 81. Francisco
1481 - 86 Jough Sheky grey man
woll golg 39
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. N.B. The Act also requires the Minister to be noti- fied immediately water, gas, or petroleum is encountered.)
8 Carried to 1481.

* Strike out words not applicable.

Analyses of water, gas and oil should be submitted if available.

Legar Manager/.../

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Depth		A Company of the Comp	1929,	n of Str	ata	
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103-150	A		gh Al	× .		
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106 -15	br	our a	Lough	eales	1 Can	com
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	ing dia menjangan Managan menjangan	The second second		en e	1.32	
						

m Strike out words not applicable.

Analyses of water, gas and oil should be submitted if available.

Legal Manager/.../

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MINES DEPARTMENT

,	MINES (PETROLEUM) ACT 1935. Section 45.
:	Record of work at Wulson bore on
*	Petroleum Prospecting Licence Number & during week
	ending
	Depth Description of Strata
1518 -	- 1532 Sticker grey marl
1531.	-52 Firm greenists brown marl
•	Dig wads forming on drell, but drilling little lasier
352	-1551 Very bough & sheky grey mark
155 F.	- 1583 Firm queenish brown mare
	from 1552-1583
	ne sament for experimentations of also compatitified that the state of the form of the second of the
<i>l</i>	to the malfred for the end of the explorer of the explorer of the following of the following of the end of the
5 0	Mor broll
	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. N.B. The Act also requires the Minister to be notified immediately water, gas, or petroleum is encountered.)
	I' casing down to 1576
	A CARLOS INTERPRESENTANTE DE LA COMPANIO DE LA COMPANIO DE LA COMPANIO DE LA CARLOS DE LA CARLOS DE LA CARLOS D LA CARLOS DE LA CARLOS DEL CARLOS DE LA CARLOS DEL CARLOS DE LA CARLOS DEL CAR
	Signed Allto

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MINES DEPARTMENT.



MINES (PETROLEUM) ACT 1935.

Section 45.

Record of work at . Mulson ... bore on

Depth

Description of Strata

1590/1608

Greenish grey mare with specks of dark green sand by glauconite. Bore daving very backy from 1596. From 1580 faint smell of kerolene notices on emphying bailer. It 1590 very pronounced. No oil film re-action to ether or hot water tests from material taken 1590-1596-1608. Only very faint sign of gas in sluvry. However strong odowr persisted to 1621 being specially pronounced after willing dry caving bank 1590-1596-1608.

1608/1614

Fough greenish march brown sheaks having in material from 1608

1614/1618

8 Tough + sticky dark grey marl.

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

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From 1500 casing bas been gradually getting sighten Affer working for hime would free right up but would highlen again on letting stand during drilling. Duk to continual caring stature of strata from 1076 - at 1570 could not infine fetfork stretch of 2". Drove - that quite free Signed All Manager real leastern Oil. Coy NL Date . 161.5. 1.26

* Strike out words not applicable. ...

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(PETROLEUM) 1935

* Petroleum Prospecting Licence Number

Description of Strata

Lough Mark grey marl (pyrites) black or very. HU-54

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casing driven into bottom to 1662," lasing hight again when required to shutoff water sands Shelched In no movement Drove - Free again at 1640 butered drift at 1644 Had to drive from there Itad to Keep casing ahead of hole to make progress to preparations made regarding clay supply, mud boiling, mud pump ex for handling said. Much blas balls makes were asses from for handling said this method balls in see west agua jee ca make slow progress this method balls in the method casing getting highler. Out Signed Hollow bastern Oil Coy IV a description stave II'lenght Legal Manage Great bastern Oil Coy IV a malding freck screwed on top Date 16/8/39 low shul off.

* Strike out words not applicable.

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Record of work at V. W. Son. bore on

Depth

Description of Strata

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Diving to caring standing in one place prouch length of hime it can mow be depicted caring well be far from free when further 8" proceed Fransferred teary mind pump from Lake Wellington bore site.

8" casing to 166 2

Market - 12 12

Signed / 10

- Date//...9

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X	Petroleum .	Prospect	ing Licence	Number	82	during	week
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From letter i PPL82 File.

Week ending 19th bry 1939. No horing. Cleaning out & Scaling biller & temporary repairs.

Letter dated 6 of Oct 1939. No drilling soine and I brigant.

" " 22 April 1940 Depth I have 1674 feet.

No drilling due lack of money.

Letters " 26' Non 1941 Request permission to withdraw come.

" " Bee 1941 Permission granted.

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3.0 Lithological Descriptions

T.D. 1674.

٥,	g-van	511	Surface clays (yellow) and gravel.
511	tress	54	Grey sand - dry and caving.
541	\$140 0	70 '	Tough grey clay.
70 '	nee .	721	Sandy clay.
721	DANSE	761	Grey drit sand
76 *	ens	79	Sandy clay
79 '	deres		Heavy sand
100	aus		Brown sandstone
118'	cor		Heavy sand and coarse gravel
1491		154	Fine white drift
154		160'	Coarse sand
160		2371	Sand. Fine drift, coarse drift, packed sand.
2371		240'	
240	4540	244	Sifly sand with mica pieces of wood and bark Glauconite sand
244		250 1	Greenish shelly marl
250 '		257 '	Sticky marl with firm bands limestone
257 '		3621	Polyzoal
3621			" of marl
379 '			Hard limestone
380 '	20-5	580 '	
700		700	Marls, sticky greenish grey in color, with bands of firm to hard limestone and seams firm polyzoal.
			Hard limestone at 380'-386', 392'-393', 395'-400' - firm from 400'-490'.
			Firm polyzoal limestone 400'-490' highly fossilized.
			Sticky marl 490'-510'
			Very sticky 510'-580'.
580 *	eredi	765	All tough sticky marl with hard limestone bands at 663', 666', 671', 680', 744', 747', 761'
			Bands from 6 to 15 inches in thickness and very hard.
765 '	acouch	870 '	All very tough and sticky marl, light greenish and greenish grey in color.
870 '	guille.	966 '	Sticky grey and greenish grey marl with seams firm to hard limestone
966'	arqA	1070	Tough sticky marl - Grey and greenish grey in color - Bands of firm to hard limestone
1070'	40.5	1092'	Very tough sticky marl with narrow bands exceptionally hard limestone
1092'	-	1197'	Tough dark brown and brown marl. Very hard bands limestone at 1097-7', 1093-4', 1100-1', 1106-8', 1114-6', 1121-2', 1128-9', 1130-5', 1141-2', 1147-8', 1150-6'. Caving badly 1166-8'. Dry light brown marl. Hard again at 1183-6', 1192-5'.

1 1 97'	- 1235'	Hard limestone 1198-1200', 1208-1209', 1215-1216', 1218-1220'.
		Soft marl and caving badly - 1220-21'
		Hard limestone 1221-24'
		Sticky marl 1224-26'
		Hard limestone 1226-27'
		Tough sticky marl 1227-1235'
		(Color of marl dark grey and brown greenish streaks).
1235'	- 1260'	Sticky tough marl
		Dark grey and light brown in color
		Band of hard limestone 1246-48!
1260'	- 1290 '	Hard limestone with seams dry caving marl Marl green and greenish grey. 1260-1261'6" Hard limestone 1265-1267'6" " " 1270-1271' " " 1272'6"-1274' " " 1276'6"-1278'6" " " Hard shattered limestone caving
1290	- 1322'	1290-1291'6" Hard Limestone - continuation of band between 1280'-1290'.
		1304-1305! Hard limestone 1315-1316! " " 1320-1321! " " Between these bands dry caving greenish grey and brownish marl
13221	- 13621	Tough grey and greenish grey marl with bands dry marl - caving badly
1362 '	- 1400 '	Tough greenish grey marl, will not slurry up during drilling. Dry bands flaky marl caving. Hard limestone now absent.
1400 °	- 1442'	Tough grey and greenish grey marl. Glauconite specks in narrow streaks made appearance at 1423 ft. Caving bands thinning out. Heavy marl wads now forming on drill, have had to jar tools back into casing.
14631	- 1463'6"	Hard seam dark limes one
1466'	- 1466'6"	Thin seam hard dark limestone
1466'6"	- 1468'	Soft eaving marl, color light brown
1470		Glauconite specks in light brown marl very pronounced
147216"	- 14731	Hard seam dark limestone and pyrites
14731	- 1481¹	Firm marl
	<u> </u>	Tough sticky grey marl
1486	- 14981	Grey sticky marl, extra sticky 1487-90'
14981	- 1503'	Firm dry dark brown marl, Fossiliferous and caving
15031	- 1506°	Extra tough and sticky grey marl
1506'	- 15261	Firm and tough marl. Dark brown with streaks of glauconite caving badly from 1510-

T.D. 1674.

1526'	***	15281	Tough and sticky grey marl
1528'	·we	153/21	Firm greenish brown marl. Big wads forming on drill, but drilling little easier.
15321	w	1554'	Very tough and sticky grey marl
1 554 '	ages	1583'	Firm greenish brown marl. Fine pyrties very pronounced from 1552 - 1583'
1590 '		1608'	Greenish grey marl, with specks of dark green sand or glauconite. Bore caving very badly from 1596'. From 1580 faint smell of kerosene noticed on emptying bailer. At 1590 very pronounced. No oil film re-action to ether or hot water tests from material taken 1590'-1596'-1608'. Only very faint sign of gas in slurry. However strong odour persisted to 1621' being specially pronounced after drilling dry caving bands 1590'-1596'-1608'.
1608'		1614 '	Tough greenish marl, brown streaks. Grains coarse white sand showing in material from 1608'.
1614'		1618'	Tough and sticky dark grey marl.
1618'	-	1620'	Tough dark grey marl (pyrites)
1620'	5340	1621'6"	Band of black or very dark brown limestone. Exceptionally hard flinty nature - 14 hours to drill.
1621'6"	mont	1627'	Tough brown lignite
1627'	Separati	1640'	Brown lignite or clay (micaceous) with seams coarse sand and gravel
1640	****	1644'	Sandy brown micaceous clay
1644	••••	1654	Fine water sand. Heavy artesian flow when bore at 1654'
1654	core	1660'	Water sand - little coarser than 44-54'
16621	neral	1670'	Coarse drift sand
1670'			No attempt at drilling.

T.P. 16741