

Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT

BARRACOUTA 3

W553



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| file is to attaching attached (2) REFERR. complete required (4) and o number i | FILE COVER UMBERS: Each subject paper a be given a consecutive num officer. Papers must not be remot to a file without approval. AL TO OTHER OFFICERS: Whe s action on the file and furth by some other Officer, please in the next vacant line, enter the Column (1), indicate to whom rded in Column (2) and record | nber by the oved from or en an Officer er action is nitial Column relevant folio the file is to | (3) BRIN-requir (4) au folio r by th date ((4) PUTA comp | G UP MAred at a land, on the number in e action of the file is way MAF leted the control of the file the control of the control of the file of the control of t | ARKINGS: When action on a file is the date, the officer will initial Column a next vacant line, enter the relevant Column (1), then write "B/U" followed officer's name in Column (2) and the required in Column (3). RKINGS: When ALL action on a file is officer concerned will initial Column (4) at vacant line, write "P/A" in column (2). | | |

REGISTRY MUST BE NOTIFIED OF ANY FILE MOVEMENTS BETWEEN OFFICERS

EARLIER FILES LATER FILES RECORDS DISPOSITION SPUD. 3-8-69. ABANDONED. 38° 19 COMPLETED 8-9-69 147° 37' SUSSESSFUL OUTPOST. 03 E T.D. 9651. W.D. 150' K.B. 31'. BARRACOUTA - 3 ESSO. WILDCAT. VIC L/1. GLOMMAR III Run 1. 294 - 2300. Separate logs 2" and 5". IES. " 2 " 5 11 2683 - 5200. 2" " 3. " 5 tle 4449 - 9629 "1,243, 294 - 9629 BHCS 2'' Run 1. 2317 - 5193 " 2, 5180 -9630 242L " 5+2c 2317 - 9630 " 142 2" (2330 GR FDC/GR. Kun 1 2 " 13450 - 5199 .. 2. 5180 - 9628 2+22 " 5+26 142. 3450 - 9628 ¥ Neutron Reen 1. 3450-4600 "/. 2500 - 5000. 4 7/m-92/m. Temperature 2" CDM - (/ , 2312-5188. 5. "2. 5180 - 9630. 2015 4 / . . 2312 - 5188. "1. Testo 1-6. FIT Core Lat. Mudlog. 2350-9651 " completion loregraph. Cores 1-3. Exect: : Core Descriptions 1-3 analysis report. Corelat. Exec. Resulto by B. M. R. Core She could was are on Core She Exec.. Sweet 84. Rec 67 Count, "No missing Descriptions. Run 1, 13 descriptions only. Run 2. 1-30. Completion Report (Copy pages for release) Directo. Directo (Heeds masken Directo. @ Time Depth Curve. Manage Palynological Report by L. & Stover & a. D. Parthidge Plus revision Manag² Manag⊪ Palaeontology a D. Taylor. Manage Well completion Log. VITRINITE REFLECTANCE BY AMOG. 220486 MIN: Core Lat. Show Report. Mana Mana u Structure mak on Joh of Latrobe Frough with I completer RA Manager : Mana ger (Cross Section of after Drilling Hicture Structure Mich. Barracouta Field area Top of Latrobe. PRIMAR SCIENT thatch of positions of core cuts. Mana::: Mana⊖ Weekly Reports PROPERTIES Chief velo WELLHEAD RECOVERY LOGS: CBL, TL. Direct. States Director + Ison Directo

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W553 BARRACOUTA 3

| 1.0 | WELL DATA RECORD |
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| 2.0 | CODE DECODIDATION AND ANIA |

- 2.0 CORE DESCRIPTION AND ANALYSIS RESULTS
- 3.0 MISCELLANEOUS PALYNOLOGY

ENCLOSURES

- 1.0 WELL COMPLETION LOG
- 2.0 GRAPHOLOG (MUD LOG)
- 3.0 TIME DEPTH CURVE

ESSO STANDARD OIL (AUSTRALIA) LTD.

COMPLETION REPORT

553.

WELL DATA RECORD

Date 23rd June 170

LOCATION

| WELL NAME ST | ATE | PERMIT or LICEN | CE GEOLOGICAL BASIN | | | FIELD |
|---------------------------------------------------|----------------------------------|----------------------|--------------------------------------------------|-----------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BARRACOUTA 3 V | ICTORIA | Victoria L-1 | | GIPPSLAND | | BARRACOUTA |
| CO-ORDINATES Lat. Surface 38° 19' 19" Bottom Hole | Long. 147 ⁰ 37'03" | X Y ' 554,703 274,20 | MAP PROJECTI Austral Transve Mercato | ian Off | RAPHICAL RIPTION shore iles W S W racouta -1 | ezt. |
| | | ELEVATIONS | & DEPTHS | | | |
| ELEVATIONS | WATER DEP | ГН | TOTAL DE | EPTH | | Avg.Angle |
| Ground | | | пм | 9651 FE | | |
| KB 31 | 1 | 150 FEET | T.V.D. | 7031 11 | | |
| RT | PLUG BACK | DEPTH | REASONS | FOR P.B. | | |
| Braden Head | 260 = | 77770 | | A NTO OND CTINE | | i i |
| Top Deck Platform | 360 F | EET | AB | ANDONMENT | | |
| Top beck flattorm | | | | | | |
| | | DATES | | | | |
| MOVE IN | RIG U | UP | 9 | PUDDED | | |
| 2.8.69 | | 2.8.69 | 1 | | 3 .8.69 | |
| RIG DOWN COMPLETE | RIG F | RELEASED | | PROD LINIT | - Start Rig | oine lin |
| 8.9.69 | 1.10 | 8.9. 69 | ľ | NOD CONTE | 00000 1128 | 8-40 0 |
| | | | | | | |
| PROD.UNIT - Rig Down | Complete | 1. | P. ESTABI | LISHED | | |
| | | | | | | |
| | | MISCELLA | NEOUS | | | - Commence of the Commence of |
| OPERATOR | PERMITTEE | or LICENCEE | ESSO I | NTEREST | OTHER IN | TEREST |
| ESSO | E | SSO . | | 50% | Hemati | te 50% |
| CONTRACTOR | RIG | NAME | | EQUIPMENT | TYPE | |
| | | • | | SHIP | - SHAPE | |
| GLOBAL MARINE | | GLOMAR III | | DRIL | LING VESSEL | |
| TOTAL RIG DAYS DR | ILLING AFE | NO. COMPL | ETION NO. | T | YPE COMPLET | ION |
| 37.3 | 239109 | | | | | |
| LAHEE WELL | Before | Drilling | Outpost | | | |
| CLASSIFICATION | | | - | successf | ul outpost | |

| II | | | INITIAL | PRODUCTION TES | T, | | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|----------------|-----------------|----------------------|----------------------|
| Date | | | COMPLETION AS | | Well | Dry Hole | |
| Choke size, | inch | | | | Calcula | ted P.I. | |
| Length of Te | st | | | | Calcula | ted A.O.F | |
| Oil, BPĎ | | | | | Perfora | tions | |
| Water, BPD | | | | | Shut-In | внр | |
| Gas, MCFD | | | | | Flowing | внр | |
| Gas Liquids, | BPD | | | | Shut-In | Tubing Press | |
| Gas-Oil Rati | 0 | | | | Flowing | -Tubing Press | |
| Cravity, API | | | | | Flowing | Temper- ature | |
| | | | | | | | 242£ |
| III | PER | RFORATI | NG RECORD (P | rod.test, Comp | letion, DS | r, fit) | 7243 7243 |
| INTERVAL | F | IPF | TOTAL SHOTS | SERV. CO. | DIFF. PRESS. | PERFORATION FLUID | SIZE AND TYPE GUN |
| | | | | | | | |
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| IV | | CASI | NG - LINER | - TUBING REC | ORD | | |
|-------------------|---------|-----------|------------|--------------|------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Туре | Size | Weight | Grade | Thread | No. Joints | Amount | Depth |
| Conduc tor | 30" | 310 & 196 | H-40 | Vetco | 3 | 123.47 | 294 |
| | | | | | | | |
| Surface | 13-3/8" | 54.5 | J-55 | Butt. | 54. | 2147 | 2317 |
| | | | | | | | |
| Inter- mediate | 9-5/8" | 47 | N-80 | Butt. | 2 | 81.50 | |
| | 9-5/8" | 40 | N-80 | Butt. | 12 | 4927.59 | 5180 |
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| V CEMENT RECORD | | | | | |
|---------------------------|-----------------------------------------------|--------------------------------------|------------------------------|------------------|--|
| String | 30" | 13-3/8" | 9-5/8 | er Control (Sign | |
| Type of Cement | 400 sx w/2% CaCl ₂ and seawater | 1380 sx w/2% Gel plus 300 sx Neat | 1000 sx Neat HR -4 | w/0.2% | |
| Number of FT ³ | 472 | 2575 | 1180 | 100 | |
| Average weight of slurry | 15.2 | 13.6/15.6 | 15.35 | | |
| Cement Top | Sea Floor | Sea Floor | 3350' Temp. | | |
| Casing Tested with | 0 | 9500 psi | No Test Recor | ded | |
| Number of Centralizers | 0 | 6 | 17 | | |
| Number of Scratchers | o | 0 | 0 | | |
| Stage Collar etc. | 0 | 0 | 0 | | |
| Remarks | | Gel Prehydrated | | | |

| R.L. | Wood | • |
|------|------|---|
| Engi | neer | |

| VI | SUBSURFACE COMPLETION EQUIPMENT | • | |
|-----------|---------------------------------|-------------|-----------------------------------------|
| · | DAT | E COMPLETED | |
| Schematic | Equipment Description | Length | Depth |
| | | | |
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Engineer

| | INTERVAL | TYI | PE | RECO | VERED | INTERVAL | TYPE | R | ECOVERI |
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| 2424 - 9610 Sidewall 84 shot 67 recovered 6" 17' 30' 3888 - 3924 " 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 3 | 2350 - 9640 | Cutting | 7.0 | Sampled | every 10 | | | | |
| Core 67 recovered 68 17 17 17 18 18 18 18 1 | | 1 | | | - 1 | | | | |
| 3824 - 3864 Conventional 6" 17' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30' | | | | | | | | | |
| 3864 - 3888 " 17' 30' 30' 30' 30' 30' 30' 30' 30' 30' 30 | 3824 - 3864 | } | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | · |
| 3888 - 3924 " 30' WIRELINE LOGS AND SURVEYS (Incl. FIT) Type & Scale From To Type & Scale From To IES 2" & 5" 294 - 9629 FDC 2" & 5" 3450 - 9628 BHCS 2" & 5" 2317 - 9641 Neutron2" & 5" 3450 - 4600 CDM 2" & 5" 2312 - 9651 Velocity Survey 2329 - 5149 FIT (6) 3858, 3840, 3827, | | } | 2201142 | | | | | | |
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| 37.43.473 | Tops | | Gross | Net | Pay (ft). | REMARKS |
| NAME | M.D. | Sub-sea | Interval (ft) | Gas | Oil | |
| Gippsland Fmn. | Sea Floor | -150 | 2259 | | | |
| Lakes Entrance | 1 | -2409 | 1152 | | | |
| Latrobe Group | .3592 | -3561 | | | | GT. |
| (<u>N</u> . goniatus | 3592 | -3561 | 939 | 151 | _ | 35 92-38 |
| M. diversus | 4531 | -4500 | 800 | | | |
| L. balmei | 5331 | -5300 | 2374 | | | |
| T. <u>lilliei</u> | 7705 | - 7674 | | | | |
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| | | | | | | Appropries |
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| X GEOLOGIC ANALYSIS (Pre Drilling prognosis Vs actual results) | | | | |
|----------------------------------------------------------------|-------------------------------------------------------|--------------------------------|-----------------|---|
| Pre-drilling: | Formation | Depth | 7.50 | |
| | Water Gippsland Formation | 145 ' 145 ' | | |
| | Lakes Entrance Formation Latrobe Delta Group | 3480 ' 3620 ' | | : |
| | (M. diversus) (top A-3 oil sand) Intra L. balmei | 4830 ' 6820 ' | | |
| | Depths from mean sea level; for drill depths add 31'. | | \$ \$ \$ | |

Barracouta 3 is located on or near the crest of the Barracouta anticline, but on the downthrown side of a northwest-southeast trending normal fault, as mapped on Top Latrobe Group and intra-Latrobe horizon. This fault separates this well from all other wells drilled on the Barracouta anticline.

Objectives of this well will be to determine the continuity and possibly communication of the Barracouta gas reservoir at the top of the Latrobe, and to determine if an associated oil column is present in this fault block. Intra-Latrobe objectives will be to partially evaluate the oil and gas potential of intra-Latrobe sands.

Post-drill: Formation tops as in section IX.

The fault between Barracouta-3 and Barracouta-1 does not seal. Hence the two wells have a common gas-water contact at -3775 and the gas reservoir is confirmed over the structure as mapped.

The intra \underline{M} . diversus (A-3 oil sand) is structurally low and devoid of hydrocarbons.

P.M. Cooney Geologist CORE DESCRIPTION & ANALYSIS RESULTS.

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION



Core No. / WELL: BARRACOUTA 3 Interval Cored 3324 - 3864 ft., Cut 40 ft., Recovered 6" ft., (1:2 %) Fm. LATROBE. Bit Type C'' , Bit Size 8 5/16 in., Desc. by FINDY WHITTLE. Date 10/8/69. Depth & Graphic Interval (ft.) **Coring Rate** Shows Descriptive Lithology (1" = 5')(min./ft.) 3 3824-631/2 3824 - 3863 1/2 NO RECOVERY. NO RECOVERY. 3863 1/2 - 3864 Sandstone thinly interbedded with shale. **₹**} SANDSTONE - wh - It grey fine - medium grained. sub angular - sub rounded. well unconsolidated to weakly consolidated micaceous with grey argillaceous matrix in part. Porosity & Permeability excellent to fair depending on shaliness. Strong blue - whik pin point fluorescence. Strong instantaneous streaming cut. Petroliferous odour. dark gray soft to firm. micaceous. SHALLS. strong petroliferous odons. REMARKS: The recovery was stuck in the catcher & probably represents the last 6°

ESSO STANDARD OIL (AUSTRALIA) LTD. CORE DESCRIPTION

Core No. 2



| Depth & Coring Rate (min./ft.) | Graphic (1" = 5') | Shows | Interval (ft.) | Descriptive Lithology |
|--------------------------------|----------------------|-------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 3864 | * | 3881 - 3888 A | SANDSTONE. light grey dominantly medium grained. occasionally fine or coarse grained. sub angular to sub rounded wall sorted unconsolidated to wealthy consolidated where it is very friable. Two 6" streaks are silty - brn. micaceons firm carbonaceous with thin discontinuous coal taminae. Porosity and Remeability good to excellent. Strong blue-white pin point fluorescente Instantaneous art. Retroliferous adour (H2S?) Oil staining weak. |
| EMARKS: | | | Barrel Jammed | |

ESSO STANDARD OIL (AUSTRALIA) LTD. CORE DESCRIPTION

Core No. 3



and Permeability fair. Very weak fluorescence

in interval 3912/2-13. week at.

| | · | • | | | | WELL: | BARRACOU | ITA -3 |
|--------------------------------|----------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interval Cored | 3888 -392 | 4 ft., | Cut 36 ft., | Recovered | 30 ft | ., (83 %) | Fm. LATRO | BE. |
| Bit Type | C14 | , Bit Siz | e 8 ⁷ //6 | in., Desc. by | ANDY WH | ITTLE. Date. | 10/8/6 | 9. |
| Depth & Coring Rate (min./ft.) | Graphic (1" = 5') | Shows | Interval (ft.) | | Alle and Aleksandrian Assault, and group and | Descriptive Li | thology | |
| 0246 | 3888- | *** | 3898 - 3890 % 3898 - 3890 % 3890 % - 3895 % 3898 % - 3990 3900 - 3902 3902 - 3904 % 3904 % - 3905 3905 - 3909 3909 - 3910 | SM WE GE GE FILTY MUDSTONE SILTSTONE SILTSTONE OU SANDSTONE MUDSTONE MUDSTONE GE SANDSTONE MUDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE GE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDSTONE GE SANDSTONE SANDS | porly sorted. rgillaceous ma ilty laminae. No fair. Sca. STONE. light scontinuous anning appril luovescing oil dark brown casional sca As PER dark brown th horizontal c. brown oil E AS PER brown fire amed sandsto cattered coar atchy oil sta ve loosly co | rell sorted. Tated. occ. of ated. occ. occ. occ. occ. occ. occ. occ. oc | unconsolida rounded list reability g white) stre ct oil fluss to warse g ed. friable hoked) Da white and accounts account lan have silty caccounts. w angular san 3895 1/2 with me and coal lesses as per 38 gramed | rained by rained by rained by rained brown rained brown rained brown dasker minae red brown ith d grains. cousi. conses. ing. 38-3890/2 Sand |
| REMARKS: | · | 1 | 3910%-3918 | | | brown. fine | gramed. | very |
| | | | | wi wi | ell sorted m H brown | icauous.ca argillauvus | bonaucus. matny. | firm. |

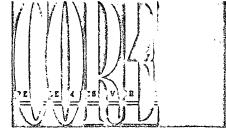
| v | | | RIPTIONS | | RACOUTA | - | | | SERV | .co. | · · · · · · · · · · · · · · · · · · · | | DATE | 8/8/ | 39 | LOG RI | UN NO. | | G-EOLO(| SIST R. L. G |
|-----|-------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| | • | r | | REF.# | FIELD W | LDCA | 1 | 1 | . | STAT | E V | (10) | TOR | 14 | ATT. | 30 | REC. | 3 | PAGE | OF 2 PA |
| NO. | DEPTH | REC | LITHOLOGY | | | COLOR | DISS | CONS | CALC | ODOR | FIDO | | UORESE INT | COL | QUAN | JT COL | CUT F | COL | | |
| 1 | 5188 | 12" | SANDSTONE: ang-subrad, sl. ca | It grey, m.g | r, qtzose, | It gre | A PART CHARLES OF THE PARTY OF | THE REAL PROPERTY AND ADDRESS OF THE PARTY AND | Contraction of the Contraction o | | | | | = | - COAN | - | 1111 | COL | SHOW | PROB. PROD. |
| 2 | 5170 | 14" | SANDSTONE: ang-subrnd, sl. co SANDSTONE: q · micacenus, SHALE: sl. si (amingted, mi SANDSTONE: ang-subrounded, CLAY: Clean | tzose, fingi | , ang-subang, | l+ grey | , | γ | 1 | | | _ | | | | | | - | | |
| 3 | 5020 | 14" | SHALL: SI. SI | 14y in parts, | finely | pale Yellow brown | 19/ | 1 | | | _ | _ | | | | | ļ | | | |
| 4 | 4900 | 15" | SANDSTONE: | atzose, crs-g | ranular, | yellow grey | | A | I | | _ | _ | | | | | | | | |
| 5 | 4872 | 13" | CLAY: clean | , post Kco | linitic, | It grey. | _ | firm nd: | _ | | | | | _ | | | | | | |
| 6 | | | | 7 , 7 | // | 1+ | mod | mod. | | | | | | | | <u> </u> | | | - | |
| HO | 4630 | 14 | SANOSTONE: A laminated w/ c SANOSTONE: S W/ carb. + mic. st. | 11+y-v.f.gr, 1 | aminated, tight | grey 1+ | | firm | - | | | 一 | | | | | | | | |
| 11 | 4491 | 2" | CLAY = lamina | ted, sl. carb | sworin corb.) , Greasy | brown | } | mod | <u> </u> | | | | - | _ | | | | | ' | |
| 12 | 4458 | 1 1 | CLAY, as ab | | | pale yellow brown | L | hd | | | | _ | | | | | - | _ | | |
| | 4288 | | SHACE, SILTY | , carbonaci | eaus, | pale | -/ | soft hd | | _ | _ | - | | _ | | | | | | |
| | 3842 | 134 | SANDSTONE; Cr | s-gnanular | well sorted, | olive . | 1.410 | friable | | fair | - | | | - | V.fain | | V. fairs | Yellow | | |
| | | 1," | SANDSTONE: r | ned-creigrai | v.q- | grey grey | <u> </u> | friable | | fair | | _ | | pale | | | | | | |
| 9/2 | 2//0- | 2" | SANDSTONE: r sorting, atrose, a Munstone: sil glaucon, tic, p | ty, fossilifi | erous, | | clayey | <u></u> | ./ | TUIF | | | taint | blue | cath- | - | faint | 5/0- | | fair -900 |
| | <u>3470</u> | 4 | glaucon, tic, p | y'n tic | | grey | · ' / | na | V | | | | _ | | _ | _ | _ | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | • | | | | | | | | | | | | | | | | |
| | | | | N | | | | | | | | | | | | | - | | | |
| | | \dashv | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | 2 11 | SHALE : IGMIS | nated, mica | C. Carbon | 14 . | , | mod | | | | | | | RUN | | No 2 | | | |
| | | 4 | | | | olive orey | \checkmark | nod hd | | | | | | - | | | | | 1574 | |
| | | 4 | MICAC. + carb | on - | well sorted. | grey | very | nd | _ | | | - | _ | | _ | | | | | - |
| | 7950 | 14 5 | bang, sl. curb, | V. porous | Perm. | grey | little | friable | | 410000 | | _ | _ | | - | | | | | |
| | l | 124 0 | boundary heavely | pyritised) | 5.5.15 | It. grey | liffle | fnablo | - | _ | _ | - | | _ | _ | | | | - | |
| | 1: 6: | - / | Dyritic ang-so FANDSTONE- gtz sbarg, fair sort | bang orosy | Perm fair | 1400 | 1/2 1/2 | 5-11 | | | | | | | .] | - | | | | |
| 5 1 | 4840 | | Allow Concer gtz | 1 m - granular, | subrad- | | Very little | Soft | | | 1 | | T | | | | | | | *************************************** |

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| . s | IDEV | WALL CORE | DESC | RIPTIONS | WELL BAR | RACOUTI | 4 3 | | | SERV. | .co. | · N & 11 | YUK | DATE / | 18/8/ | 169 | LOG RI | JN NO. ∠ | 2 | GEOL OC | GIST R-L.G |
|----------|-------------|--------------|------|-------------------------------------------------------------|---------------------|---------------|-----------------------|--------------|-----------------|-------------|--------------|----------|-------------|----------|----------|-------------|---------------|-----------------|----------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | T | F | | REF.4 | FIELD WI | LDCA | | T | | STAT | E V | 100 | ORI | 14 | | | | | | Z OF Z PAGES |
| 4000 | NO. | DEPTH | REC | LITHOLOGY | | | COLOR | DISS | CONS | CALC | ODOR | FIDO | FLI DIST | JORESE | COL | C L QUAN | COL | CUT F | COL | SHOW | PPOB. PROD. |
| | 6 | -1.826 | 1" | SANDSTONE 9+ | | | 1+ grey | V | firm fmable | - | | _ | | | | | | | | AND SORT OF BELLEVIOLE | ENGR. PROD. |
| | 7 | 4.820 | 12 | CLAY-clean, mostly Ka | sl. carb, swe | ells a little | boff | V | hd | sl. | | _ | | | | - | | | | | |
| | 7 | 4700 | 14 | SANDSTONE - | atzose w/ some a | | 1+ | very | soft trickle | s/ | | | | <u> </u> | | | | | | | |
| | cı | 4530 | 34" | SHALY SILTSTON MICUC. OCUPB. | G: finely lan | rinated, | Plive | V | mad | - | - | | | | | | - | | | - | |
| | 0 | 4-315 | 7" | CLAY- clean, | nonswelling | , Kaolinitie | Yellow | \ \ | hd Soft | | | | | | | | _ | | - | | , |
| - | 1 | | | SHALE I V. CA | rbonaceous | | | 1 | mod | | | | | | | | - | | - | | |
| | 2 | 4200 4062 | | SHALE . V. Co | , | | | V | hd | | | | | | | | | | | | |
| _ | 3 | 4030 | 14 | SANDSTONE: V.f. | | | brown 1+ | | firm | | _ | | | | | | _ | | _ | | |
| | | 3950 | . 1/ | 34ND3TON E . 91 | Zove, A-peobla 51 | mm. poorly | 1+. | very | Soft | | | | _ | _ | | | - | | - | | |
| · Carrie | 5 | 3810 | 14" | sorted, carbidh lift SANDSTONE At Gorroomed, sl. cycb | hics, Porostfer | n fair-good. | 9124 1+ | !ıHle | frebla firm+ | | - | - | | | | _ | _ | | | | |
| #70m | | | 12 | SHALE Carb. In | · Porost form | fond. | banded | √ | friable | | Strong | | | Strong | blue | | - | str. | blue | ✓ | good |
| | | 3662 | 1 1 | SHALD: dk brow | bonde | | gry dk | <u> </u> | firm | | _ | | | | _ | | _ | | | | |
| | 7 | 3608 | | | nn Caro tm | | brown | V | firm | | | _ | | | _ | _ | _ | | | _ | |
| 10 | 6 | 3504 | | | A-RO VE | | <u> </u> | | | | - | _ | | | | _ | ~ | | ~ | | - |
| - | 9 | 3584 | 2" | SILTY MUDSTONS Carbo | - | + glaveonitië | brown | · ✓ | mod hd | , | | | | - | ~ | _ | - | - | | | |
| 2 | ۵ | 3550 | 2" | | but V. glau | | brown | V | mod hel | | | _ | - | | - | _ | - | | _ | - 1 | |
| 2 | | 3504 | ۲" | As Above l | of more py | rific. | brown | V | inod | sl | _ | | | _ | _ | _ | | _ | _ | -1 | |
| 2 | 2 | 3490 | 2" | As 11600 | 1e | | brown | V | mod nd | 51 | _ | _ | | _ | _ | _ | | | _ | _ | |
| 3 | 3 | 3400 | 1/2 | Mudstone: | il glave, sl , | micee. | olive grey | V | mod | √ | - | _ | _ | _ | _ | | | | | | |
| . 3 | 11. | 3300 | 15 | As above = Skeletal micrifi glauconi | s1 60551/17 | ferous | olive grey | v′ | mod hd | v' | - | _ | | | _ | - | | | | | |
| ر م | 5 | 3200 | 2" | Skeletal micritic glaucont SILTY MUDSTO | e MUDSTONG. Fice | - V.fossil | 91e4 01102 9re4 | V | mod hd | V | _ | _ | | _ | <u> </u> | _ | | | _ | | · |
| 7 | 6 | 3100 | 12 | SILTY MUDSTO Sl. foscilif. | similar | 005, | clive grey | V | mod hd | √ | _ | _ | _ | _ | | | | | | | |
| 2 | 7 | 2750 | | | | | 1+ grey | ~ | mod | V | _ | _ | _ | _ | | | | | | | |
| | | 2661 | 134" | MUDSTONE: S | 1 51/4, fo | ssilif. | olive grey | V | nod hd | 1 | | | | | | | - | | \dashv | | M displacements are considerate space for considerate spaces and considerate spaces and considerate spaces are considerate spaces are considerate spaces and considerate spaces are con |
| 2 | | 2550 | 12" | MICRITIC - SKEC | CLAY | | ·Nhite | \checkmark | mod | V | | | | | \dashv | | | | | | |
| | - 1 | ×424 | 1" | SILTY MUDSTO | NE : calc, | fossil. | olive | | mod | | | | | | \dashv | | | | | | |
| | | | | | | | 1, 5 | | holl | | | _ | - 1 | - 1 | | - 1 | + | - | - | - 1 | |

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FIELD DATA CORE ANALYSIS REPORT

AUGUST 1969

CL 572

| SAMPLE | DEPTH | PERMEABILITY | POROSITY | | RESIDUAL | | PORE WATER | | |
|------------|----------------------|-----------------------|----------|-------------|----------|---------------------------------------|--------------|---------------------------------------|-----------------|
| IUMBER | FEET | HOR VER | PERCENT | % vol | % PORE | TOTAL WATER % PORE | CHLORIDES | | REMARKS |
| 1 | 30531-/ | TOO FRI | 23.8 | 1.7 | 7.1 | 45.4 | | CORE | 1 |
| | | | | | | | | | |
| | 3272 - 70 | TOO FRI | 31.6 | 7.7 | 2.2 | 75.0 | 4558 | CORE | 2 |
| 3 | 3879-80 | TOO FRI | 32.5 | 0.5 | 1.5 | 81.0 | | 19 | 13 |
| | | | | ļ | | | | | |
| 4 | 3990=1 | TOO FRIAS | 31.8 | 1.2 | 3.8 | 75.5 | | CORE | 3 |
| 5 | <u> 3891분-2</u> | 18 19 | 24.1 | 1.3 | 5.4 | 77.2 | | 19 | 19 |
| 6 | 3894 1 -5 | 19 19 | 29.2 | 0.9 | 3.1 | 76.7 | | 11 | |
| 7 | 3900_00 | 78 19 | 27.6 | 0.7 | 2.5 | 78.3 | | 19 | 11 |
| Ω | 3002-03 | 19 11 | 27.2 | 0.9 | 3.3 | .72.4 | | †† | 11 |
| 9 | 3903-04 | 19 19 | 29.0 | <u>0.7</u> | 2.4 | 73.8 | | 11 | 11 |
| _10_ | <u> 3905-06</u> | 19 19 | 32.5 | റ.7 | 2.15 | 74.2 | | 11 · | 19 |
| 11 | <u> 3907–08</u> | 7 9 F T | 33,2 | 7.7 | 2.1 | 73.8 | 4358 | 19 | 11 |
| 12 | 300유불-0 | 17 19 | 32.6 | 0.7 | 2.1. | 75.8 | | 19 | IP |
| 17 | 3015 | 1490: 736 | 31.7 | ി.2 | ე, հ | 80.2 | 4298 | 11 | 11 |
| | | | | | | | | | |
| | | | | | | | | | |
| NOTE: | SAMPLE | 1 TO 12 I | NCLUSIVE | TOO | FRIA | BLE TO | ALLOW HAND | ING A | S |
| | CONVEN | IONAL PERM | EABILITY | SAM | PLES. | | | | |
| | | | | | | *** | | | |
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| OMPAHY | ESSO ST | 011 | | | weii | BARRACO | IITA 3 | | |
| | AUST | | CYATE | <u>/</u> 10 | MEIT | | | | 3111/0 |
| CCATION | a.J.J.L | - 44 | - SIAIE | 10 | | FIE | ID BARRACOUT | <u>~</u> | ELEVATION 31 KB |
| O CA 110 M | | | | | | · · · · · · · · · · · · · · · · · · · | | | 01 570 |

Petroleum Technology Laboratory, Bureau of Mineral Resources, Geology and Geophysics, Canberra Wy 2.

CORE ANALYSIS RESULTS

OIL and GAS DIVISION

NOTE: (i) Unless otherwise stated, porosities and permeabilities were determined on two plugs (V&H) cut vertically and horizontally to the axis of the core.

Ruska porosimeter and permeameter were used with air and dry nitrogen as the saturating and flowing media respectively. (ii) 0il and water saturations were determined using Soxhlet type apparatus. (iii) Acetone test precipitates are recorded as Neg., Irace, Fair, Strong or Very Strong.

WELL NAME AND NO. BARRACOUTA NO. 3

DATE ANALYSIS COMPLETED 29/6/73

| Core No. | Samp? Depth | | B | Average Effective Porosity | Absolu Permea (Milli | bility | (gm/d | ity :c.) | Fluid Saturat (% pore | _ | Core Water Salinity | Acetona | Fluorescence of freshly broken | Sample "cut" in tetrachlorethylene |
|-------------|----------------|---------------|--------------------------|----------------------------------|----------------------------|--------|---------------|-------------------|-----------------------------|------|---------------------------|-----------------|--------------------------------------|------------------------------------|
| | From | To | | two plugs (≴Bulk Vol. | ٧ | Н | | Apparent Grain | Water | 011 | (p.p.m. NaCl) | Test | core | |
| 2 | 3854 | 3856 ¹ | Sst; f.gr. c.gr. slty | 29•5 | N.D. | N.D. | 1.90 | 2•70 | N.D. | N.D. | N. D. | N.D. | N.D. | Nil |
| 3 | 3890° | 3891 | Slst; aren v. carb. | , 11•4 | 1.5 | 0.91 | 2 .2 6 | 2.66 | 88 | 6.1 | N.D. | Strong | Nil | Nil |
| 3 | 3893 ° | 389316" | Sst; f.gr. slty, carb | 22.8 | 182 | 139 | 1.98 | 2.56 | 24 | 0.59 | N.D. | Fair Blue | Nil · | Nil |
| 3 | 3899¹ | 39001 | Sst; v.f.gr | 17.6 | 3 . 6 | .5.2 | 2.14 | 2.56 | 34 | 4.1 | N.D. | Strong | Nil . | Nil |
| 3 | 39051 | 39061 | Sst; v.f.gr | 12.0 | <0.1 | 1.3 | 2,20 | 2.56 | 37 | 6.2 | N.D. | St r ong | Nil | Nil |
| 3 | 39081 | 39091 | Sst; m.gr. c.gr carb. | to 25.1 | 356 | 461 | 1.% | 2.62 | 78 | 2.5 | N.D. | Fair | Nil | Nil |
| 2 | 3911*6" | | Sst; f.gr. slty carb | 23•7 | 9.29 | 212 | 1.97 | 2.58 | 21 | 4.4 | N.D. | Strong | Nil | Nil |
| 2 | 3913'6" | | As above | 31.4 | 927 | 1,185 | 1.79 | 2.60 | 6.5 | 0.5 | N.D. | Trace | Nil | Nil |

Remarks: -

| General File | No. 72/2914 | |
|---------------|-------------|--|
| Well File No. | | |

Petroleum Technology Laboratory, Bureau of Mineral Resources, Geology and Geophysics, Canberra

CORE ANALYSIS RESULTS

| ELL I | NAME AND N | O. BARR | ACOUTA NO. 3 | ***************** | • | | • • | • | | | | | DATE ANALYS | SIS COMPLETED <u>29/6/73</u> |
|-------|----------------|---------------|--------------------------|---------------------------|-----|---------------------------|----------------------|------------------|-----------------------------|-----|---------------------------|-------|--------------------------------------|------------------------------------|
| ore | Samp Dept | | Lithology | | | ite ibility idarcy) | Aver Dens (gm/ | ity cc.) | Fluid Saturat (% pore | | Core Water Salinity | | Fluorescence of freshly broken | Semple "cut" in tetrachlorethylene |
| | From | To | | two plugs (≴ Bulk Vol. | ٧ | Н | - | Apparen Grain | Water | 011 | (p.p.m. NaCl) | Test | core | · |
| 3 | 3914 | 3915 ' | Sst; f.gr. carb, mic. | 28•7 | 391 | 1,146 | 1.84 | 2.58 | 12 | 0.3 | N.D. | Trace | Nil | N11 |
| 3 | 391 6 • | 3916•6" | As above | 27.8 | 152 | 412 | 1.87 | 2.59 | 18 | 4.2 | N.D. | Fair | Nil | N11. |
| 3 | 3917 ° | 3918• | As above | 27.4 | 101 | 293 | 1.88 | 2. 59 | 37 | 1.0 | N. D. | Trace | N11 | Nil |
| | | , | · | | | | | | | | | ~~~ | | |
| | | | | | | | | | | | | | | |
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PALYNOLOGY (miscellaneous)

BY David TAYLOR

WELL NAME BARRACOUTH -3

DATE 16 April 1971

ELEV. +3/

| Fora | m Zonules | | 1 14 | s et | | j | Ş |
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| | | Highest Data | Quality | Z Way Time | Lowest Data | Quality | 2 Way |
| | Alternate | eri i misteri jamiser serentara ministeri alaksi alassi samati iki iki iki iki iki iki iki iki iki i | - | | assignere in de system visite for entre para de l'Albander | 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | |
| - | B Alternate | e vietem no stadous destinante actività destinante actività i successiva de la constante de la | | | and an analysis and the second | Series managements | |
| de andre de Carte de Carte | C Alternote | g Bornswinger for full blad in detection, white strongs statistically foliables. | | | gregor och 1965-till stöde i kölameldeten stänstip kalant få takti och til och 1967 tillet taktion föllom för Som och 1968-till stände som till stände till stände ständ stände stände stände i ständ till till till till t | | |
| | D Alternate | and responsible for the season of the fine to their minimizers to be substituted and the season the season that the season of th | THE THEOREM CHECKS | The second secon | o e nas sec manuscomenens and e success e e successor el successo | | Control of the second state of the second stat |
| THE BOARD BANK THE STATE OF THE | 2 Alternate | | | | 2300 2600 | And the second s | and a compression of the state |
| Na Na | Alterrate | a principal de la companie de la co La companie de la companie del la companie de | | | | 1 | A CONTRACTOR OF THE CONTRACTOR |
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| OLICOCENE | I Alternate | 5450 5450 www.commons.commons.commons.com | e ville seen seen seen | n Aller Major A Duntres of Designation | 3604 | | A CONTRACTOR OF THE PARTY OF TH |
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COMMENTS:

Note: If highest or lowest data is a 3 or 4, then an alternate 0, 1, 2 highest or lowest data will be filled in if control is available.

If a sample cannot be interpreted to be one zonule, as spart from the other, no entry should be made.

| O SWC or Core - Complete assemblage (very high confidence) | 0 | SWC | or | Core | *^ | Complete | assemblage | (very | hish | confidence). |
|------------------------------------------------------------|---|-----|----|------|----|----------|------------|-------|------|--------------|
|------------------------------------------------------------|---|-----|----|------|----|----------|------------|-------|------|--------------|

| | 1 On (- on the company) | |
|------------|------------------------------------------------------------|----|
| 4 Cuttings | - Incomplete assemblage, next to uninterpretable or SWC wi | th |
| | depth suspicion (very low confidence). | _ |

| u os nfid | | , | pret | ab | i e | er | SWC | W. |
|--------------|-------------|-------|-----------------|-------------|-----|---------------------|-------------------|--------|
| ïlati | e R | evi.: | sed | man anga ma | | ters with the major | Thouse 19 william | 11 100 |
| ву | D EDWINGTON | · ~ | sem) i feitans | the fights | | nca i stance. | uumis mireissi | |
| | | | | | | | | |

¹ SWC or Core - Almost complete assemblage (high confidence). 2 SWC or Core - Close to zonule change but able to interpret (low confidence).
3 Cuttings - Complete assemblage (low confidence).

DATE

BARRACOUTA WELL NAME

ELEVATION

| | Divinos | | HIGHEST DATA | | | | | LOWEST DATA | | | | |
|-------------------|--------------------|----------------|--------------|-----------------|------|---------------|--------------------|-------------|--------------------|------|---------------|--|
| AGE | PALYNOLO ZONES | Prefer Dept | | Alternate Depth | Rtg. | 2 way time | Preferred Depth | Rtg | Alternate Depth | Rtg. | 2 way time | |
| 16- 10. | P. tubercul | atus | | | | | | | | | | |
| EOCENE | U. N. asper | us | · | | | | | | | | | |
| | M. N. asper | us. 360 | 1 | | | | 3632 | 1 | | | | |
| | L. N. asper | us 406 | 62 .1 | | | | 4288 | 1 | | , | | |
| | P. asperopo | lus 44 | 91 1 | | | | 4820 | 2 | 4491 | 1 | | |
| | U. M. diver | sus 48 | 53 / | | | | 5020 | / | | | | |
| | M. M. diver | sus | | | | | | | , | | į | |
| | L. M. diver | sus | • | | | | | | 1 | | | |
| SNE | U. L. balme | <u>i</u> 57/ | 4. 2 | 6300 | 1 | | | | | | : | |
| PALEOCFNE | L. L. balme | <u>i</u> . | | | | | 7300 | 3 | | | · . | |
| | T. longus | 772 | 26 2 | | | | 7748 | 2 | | | | |
| | T. lilliei | 841 | 4 1 | | | | 8844 | 2 | | | | |
| I g CRETANEOUS | N. senectus | | | | | | | | | | | |
| | <u>C. trip./T.</u> | pach. | | | | | | | | | · · | |
| | C. distocar: | in. | | | | | | | | | · | |
| | T. pannosus | | | · | | | | | | | · | |
| EA | RLY CRETACEOU | JS | | | | | | | | | | |
| E-CRETACEOUS | | | | | | | | | † - | | | |

| COMMENTS | |
|----------|--|
| COMBBILD | |

Deflandreg extensa Dinoflagellate Zone 3604 (1) - 3632 (1) In this well it is not possible to distinguish the Upper and Lower L. balmei Zones

RATINGS:

- SWC or CORE, EXCELLENT CONFIDENCE, assemblage with zone species of spores, pollen and microplankton.
- SWC or CORE, GOOD CONFIDENCE, assemblage with zone species of spores and
- pollen or microplankton.

 SWC or CORE, POOR CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.
- CUTTINGS, FAIR CONFIDENCE, assemblage with zone species of either spore and pollen or microplankton, or both.
- CUTTINGS, NO CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.

NOTE: If a sample cannot be assigned to one particular zone, then no entry should be made. Also, if an entry is given a 3 or 4 confidence rating, an alternate depth with a better confidence rating should be entered, if possible.

| DATA RECORDED BY: LES/ADP | DATE June 1971; Dec. 1971. | | | | | |
|---------------------------|----------------------------|--|--|--|--|--|
| DATA REVISED BY: A.D.P. | DATE Jan. 1975. | | | | | |
| FORM No R 315 17/72 | | | | | | |

PE601489

This is an enclosure indicator page. The enclosure PE601489 is enclosed within the container PE903965 at this location in this document.

The enclosure PE601489 has the following characteristics:

ITEM_BARCODE = PE601489
CONTAINER_BARCODE = PE903965

NAME = Well Completion log

BASIN = GIPPSLAND

PERMIT =

TYPE = WELL

SUBTYPE = COMPLETION_LOG

DESCRIPTION = Well Completion Log Barracouta 3

REMARKS =

 $DATE_CREATED = 03/08/1969$

DATE_RECEIVED =

 $W_NO = W553$

WELL_NAME = Barracouta-3

CONTRACTOR = ESSO CLIENT_OP_CO = ESSO

(Inserted by DNRE - Vic Govt Mines Dept)

PE603683

This is an enclosure indicator page. The enclosure PE603683 is enclosed within the container PE903965 at this location in this document.

The enclosure PE603683 has the following characteristics:

ITEM_BARCODE = PE603683
CONTAINER_BARCODE = PE903965

NAME = Barracouta 3 Grapholog (Mud Log)

BASIN = GIPPSLAND

PERMIT = VIC/L1

TYPE = WELL

 $SUBTYPE = MUD_LOG$

DESCRIPTION = Barracouta 3 Grapholog (Mud Log)

REMARKS =

 $DATE_CREATED = 8/08/69$

DATE_RECEIVED =

 $W_NO = W553$

WELL_NAME = Barracouta-3

CONTRACTOR = Core Laboratories Inc CLIENT_OP_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

PE902847

This is an enclosure indicator page.

The enclosure PE902847 is enclosed within the container PE903965 at this location in this document.

The enclosure PE902847 has the following characteristics:

ITEM_BARCODE = PE902847
CONTAINER_BARCODE = PE903965

NAME = Time Depth Curve

BASIN = GIPPSLAND

PERMIT =

TYPE = WELL

SUBTYPE = VELOCITY_CHART

DESCRIPTION = Time Depth Curve

REMARKS =

 $DATE_CREATED = 08/09/1969$

DATE_RECEIVED =

 $W_NO = W553$

WELL_NAME = Barracouta-3

CONTRACTOR = ESSO CLIENT_OP_CO = ESSO

(Inserted by DNRE - Vic Govt Mines Dept)