

FIGURE

FIGURE

FIGURE LIST VOL. IV SARAWAK AREA

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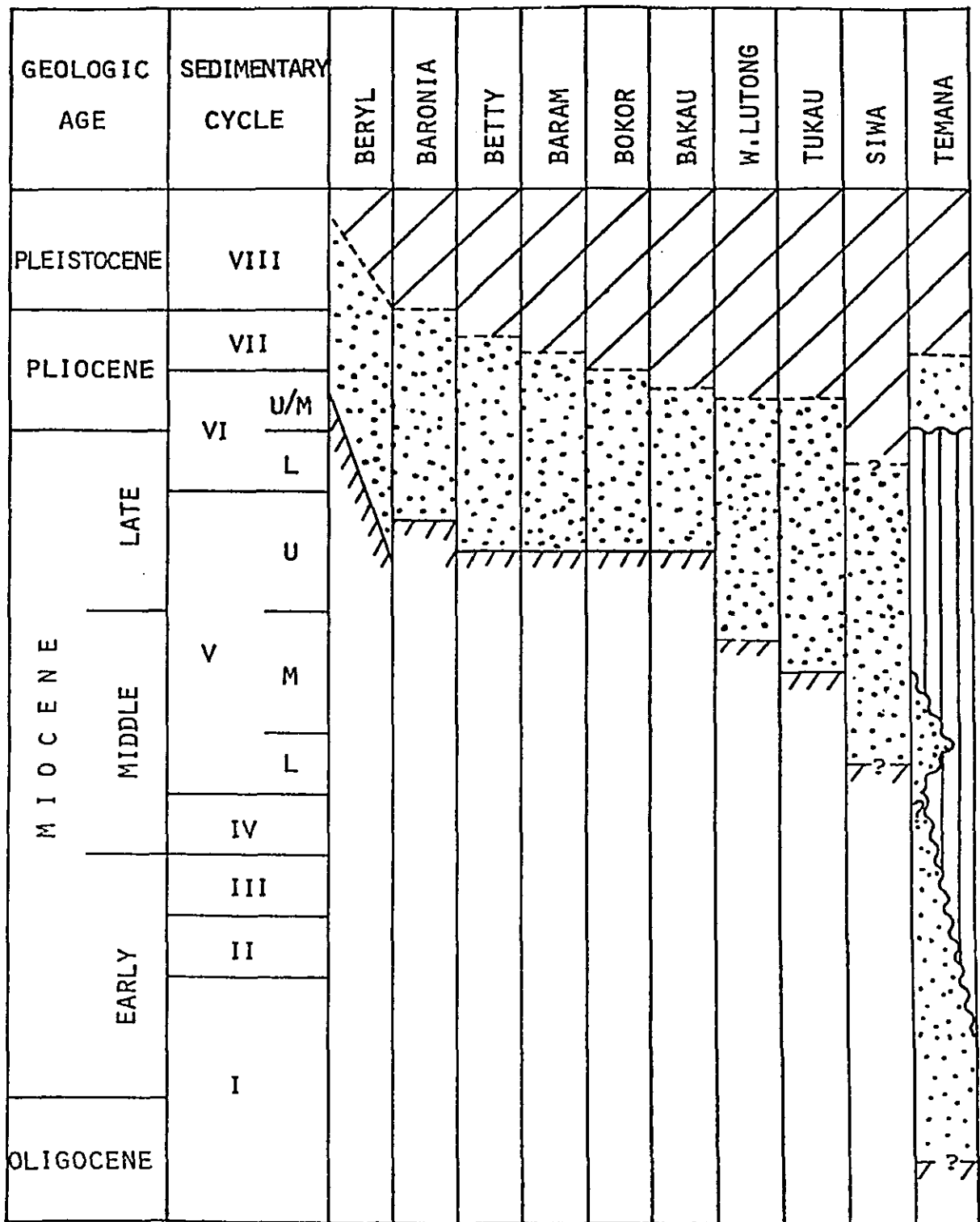
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2	BLOCK FLOW DIAGRAM FOR CENTRAL LUCONIA GAS FIELDS - CASE IA
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4	TYPICAL MECHANICAL FLOW DIAGRAM FOR GAS PRODUCTION PLATFORM

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10	TYPICAL UTILITY FLOW DIAGRAM FOR OIL & GAS PRODUCTION PLATFORM
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12	TYPICAL UTILITY FLOW DIAGRAM FOR GAS COMPRESSOR PLATFORM
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20	TYPICAL PLAN AND ELEVATION FOR TENDER ASSISTED 6-LEG WELL & GAS PRODUCTION PLATFORM
21	TYPICAL PLAN AND ELEVATION FOR TENDER ASSISTED 8-LEG WELL & GAS PRODUCTION PLATFORM
22	TYPICAL PLAN AND ELEVATION FOR TENDER ASSISTED 8-LEG WELL & GAS PRODUCTION PLATFORM
23	TYPICAL PLAN AND ELEVATION FOR 8-LEG GAS PRODUCTION PLATFORM
24	TYPICAL PLAN AND ELEVATION FOR TENDER ASSISTED 8-LEG WELL PLATFORM
25	TYPICAL PLAN AND ELEVATION FOR 8-LEG GAS PRODUCTION & COMPRESSOR PLATFORM
26	TYPICAL PLAN AND ELEVATION FOR 8-LEG GAS COMPRESSOR PLATFORM
27	TYPICAL PLAN AND ELEVATION FOR 6-LEG GAS COMPRESSOR PLATFORM
28	TYPICAL PLAN AND ELEVATION FOR 6-LEG RISER PLATFORM
29	TYPICAL PLAN AND ELEVATION FOR 4-LEG UTILITY PLATFORM
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5	TENTATIVE ORGANIZATION FOR FIELD OPERATION (146 PERSONS CASE)
8	SENSITIVITY CURVE OF SARAWAK AREA



- LEGEND:
- [Dotted pattern] - Sedimentary section penetrated by wells
 - [Wavy line] - Missing interval of formation
 - [Diagonal lines] - Part not penetrated by wells
 - [Empty box] - No data and/or Missing interval

Fig. 1-2-1
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STRATIGRAPHIC SUMMARY OF FIELDS IN SARAWAK AREA

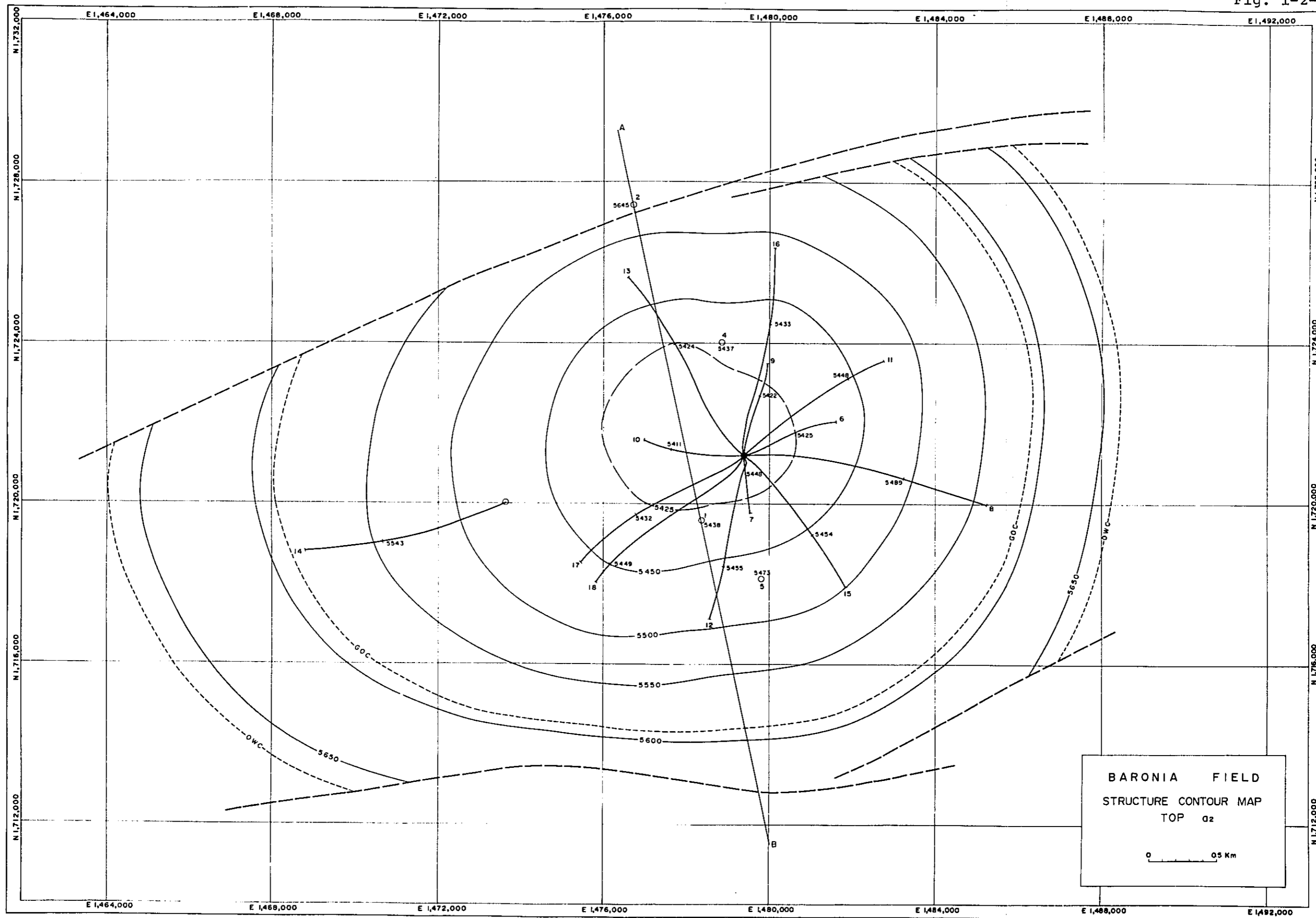


Fig. 1-2-2 STRUCTURE CONTOUR MAP, BARONIA FIELD, TOP a2
Vol. IV

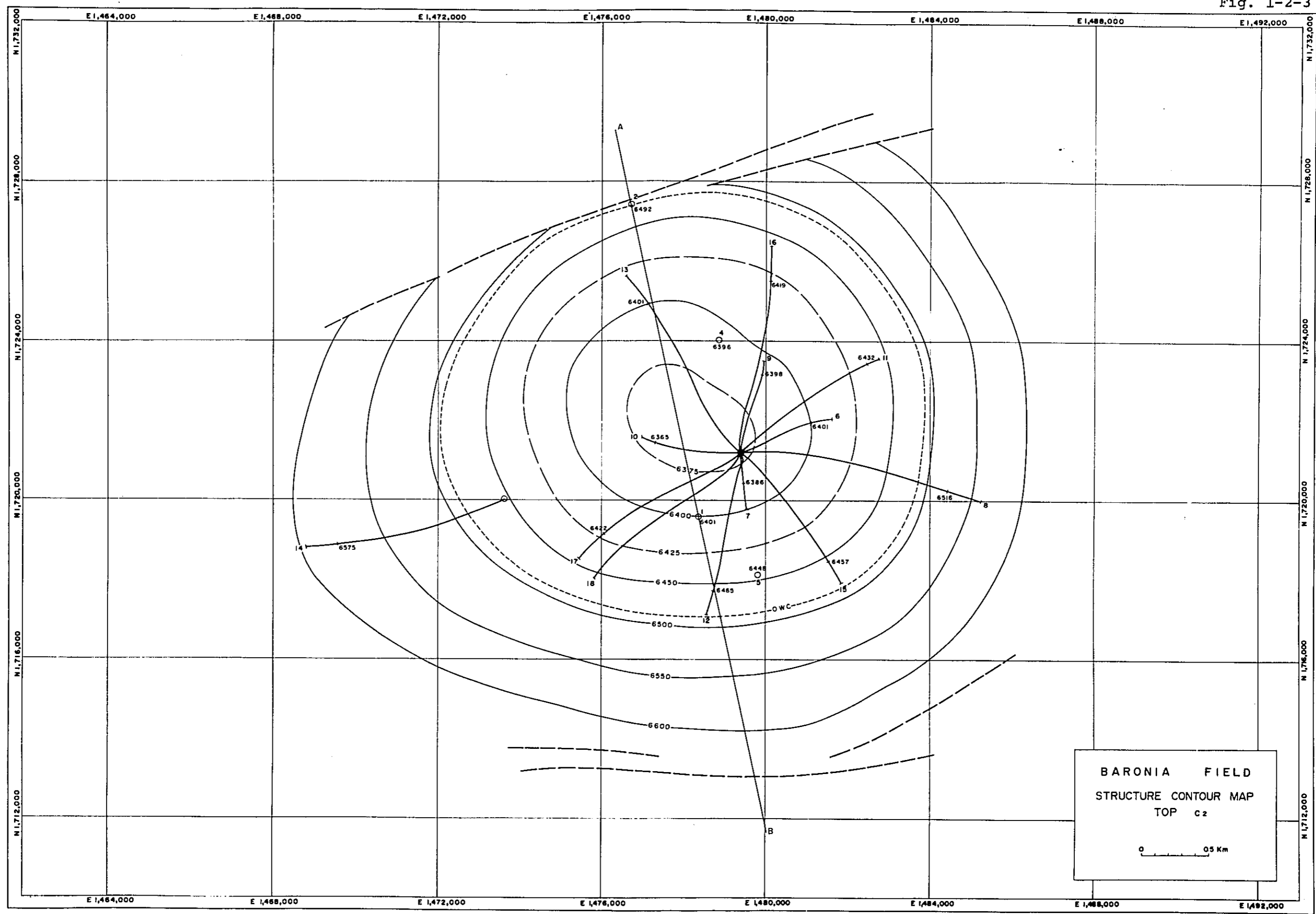


Fig. 1-2-3 STRUCTURE CONTOUR MAP, BARONIA FIELD, TOP c2
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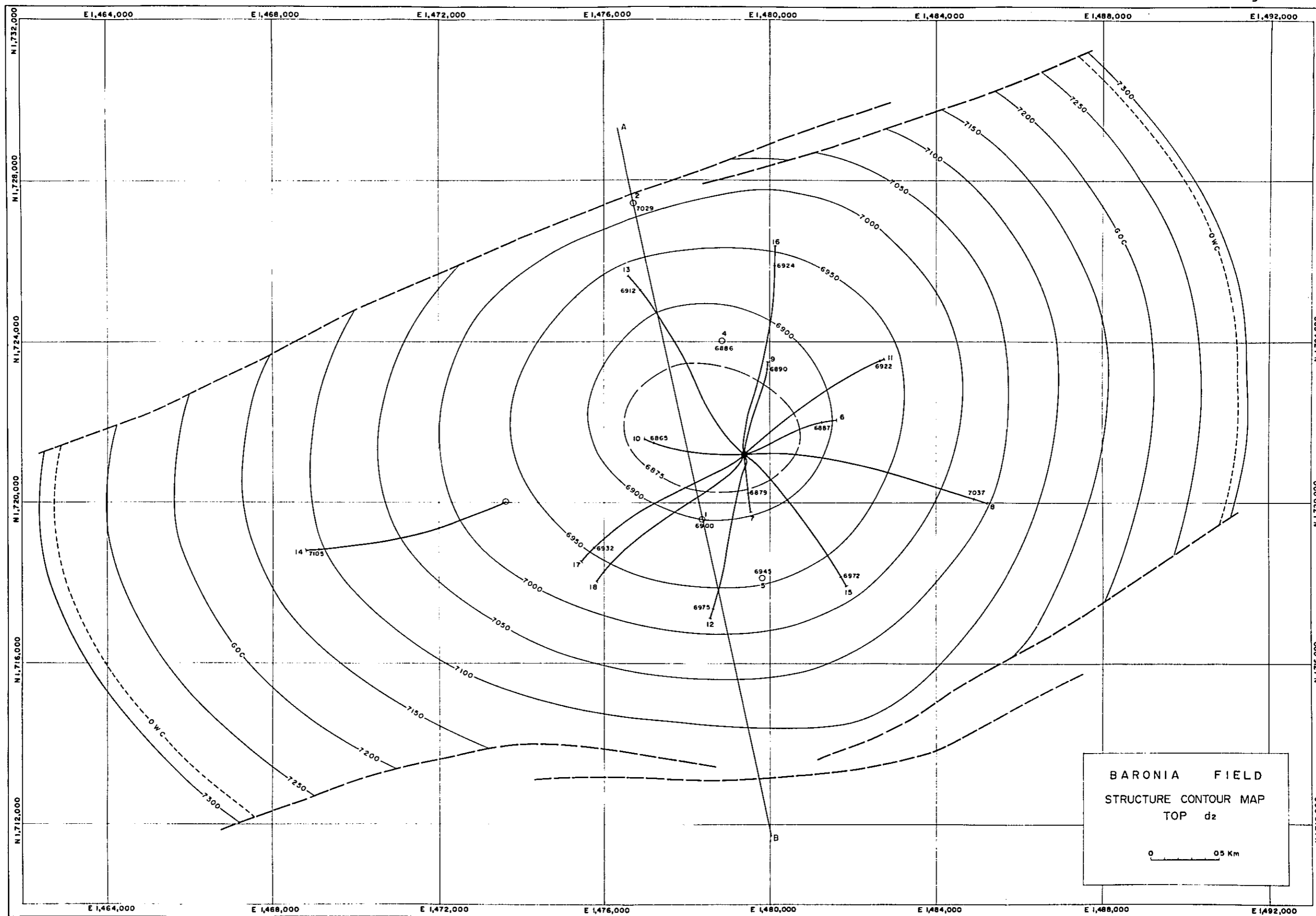


Fig. 1-2-4
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STRUCTURE CONTOUR MAP, BARONIA FIELD, TOP d2

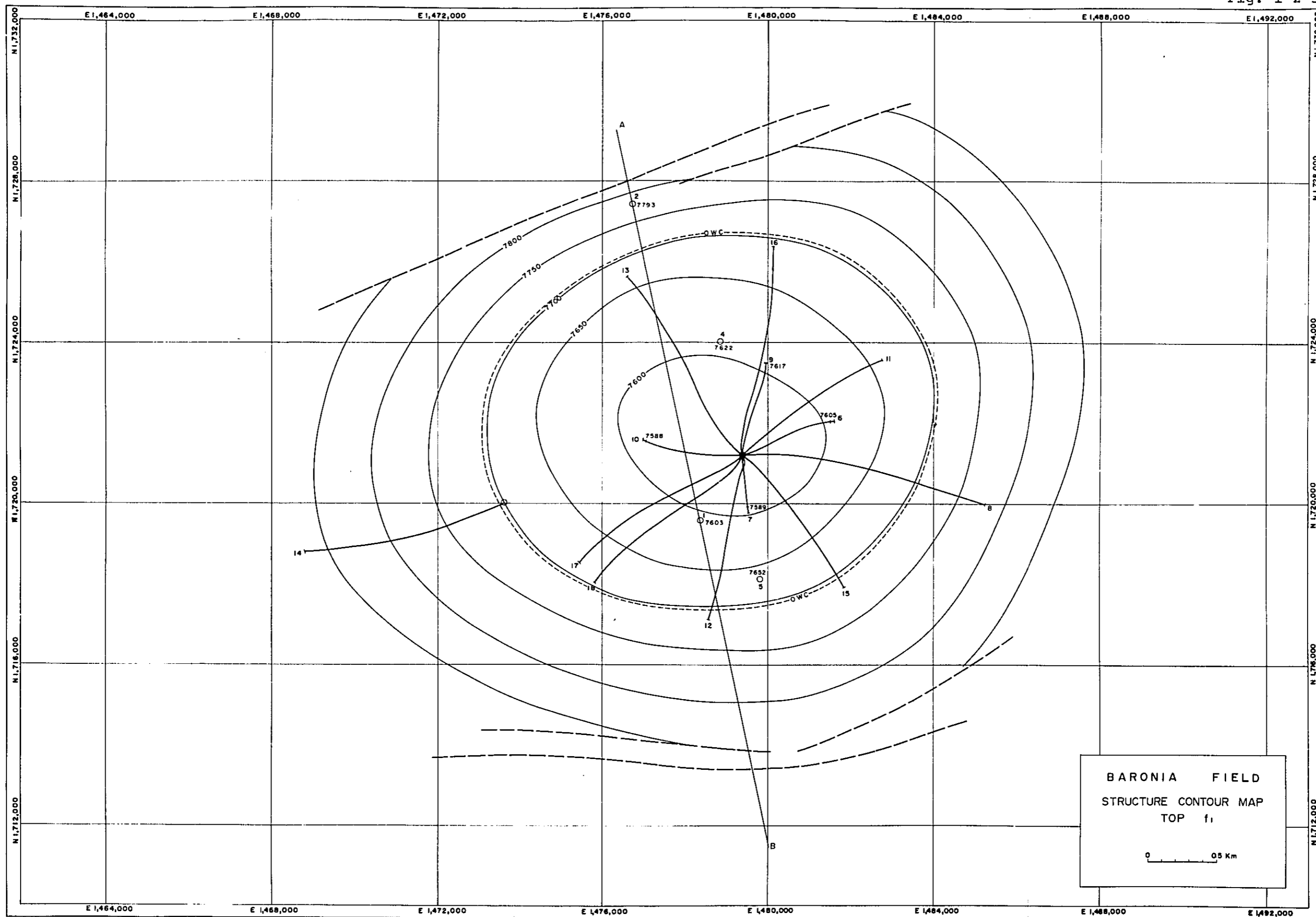


Fig. 1-2-5 STRUCTURE CONTOUR MAP, BARONIA FIELD, TOP f1
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STRUCTURAL CROSS - SECTION
BARONIA FIELD

Fig. 1-2-6

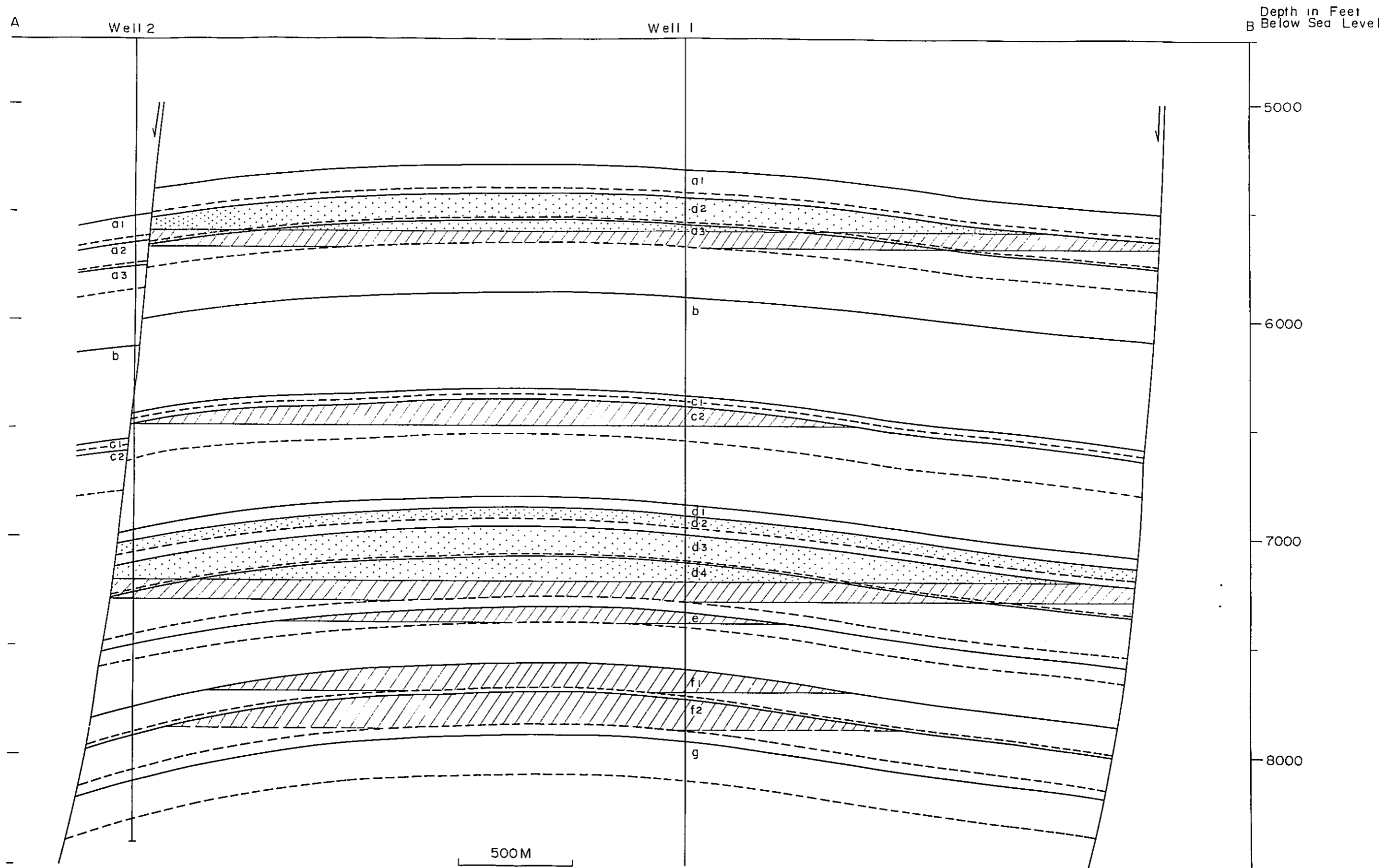


Fig. 1-2-6 STRUCTURAL CROSS-SECTION, BARONIA FIELD
Vol. IV

UNIT : FT

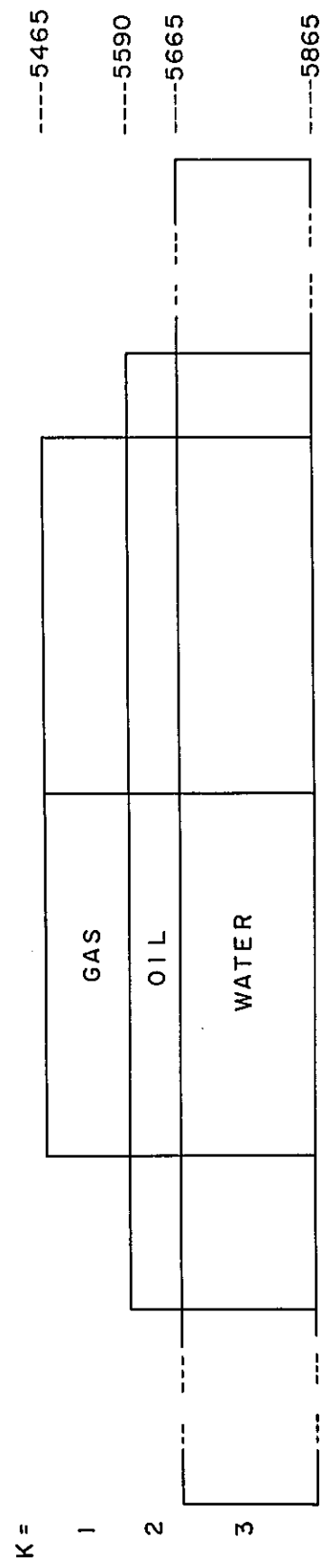
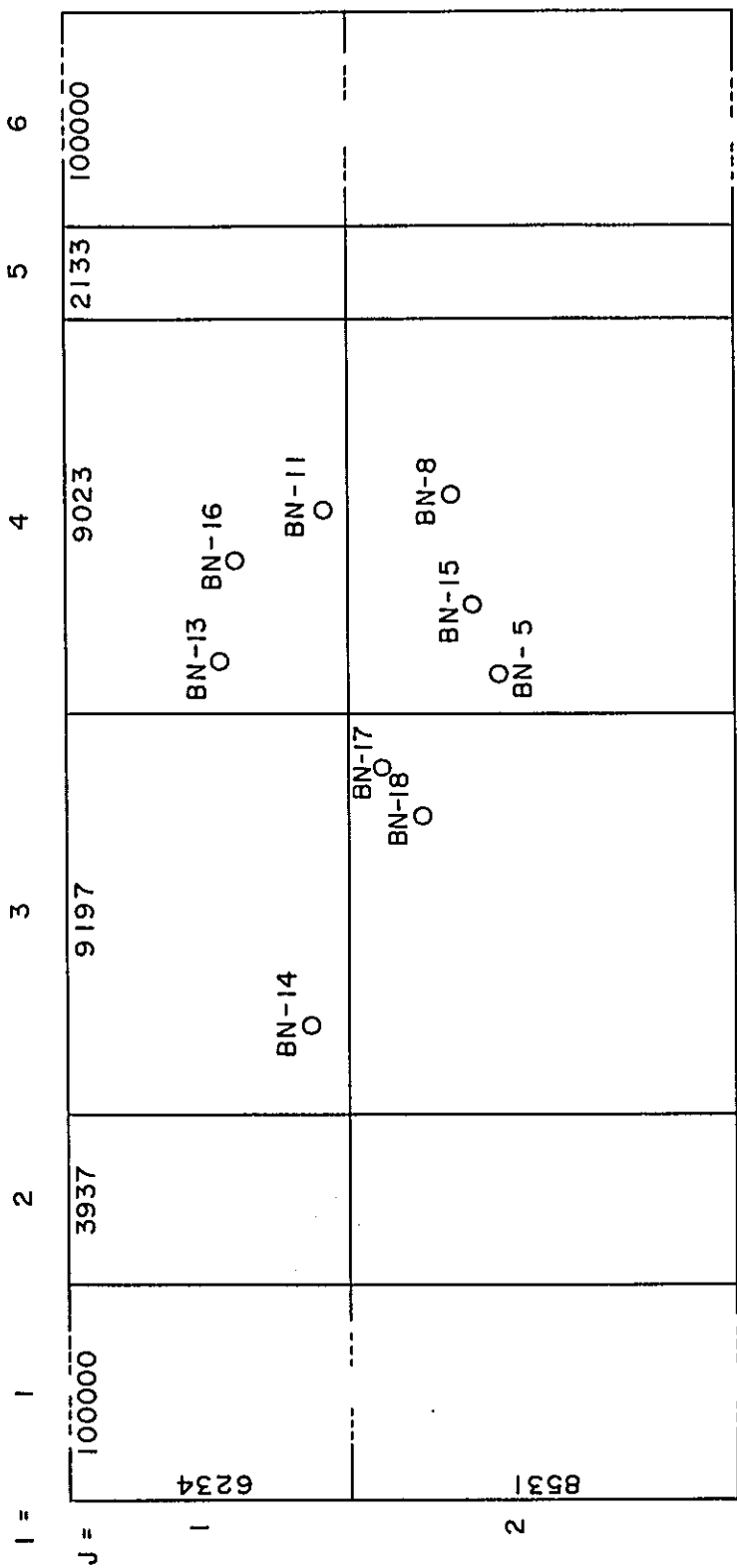


Fig. 1-3-1 SELECTED GRID PATTERN OF A ZONE, BARONIA FIELD
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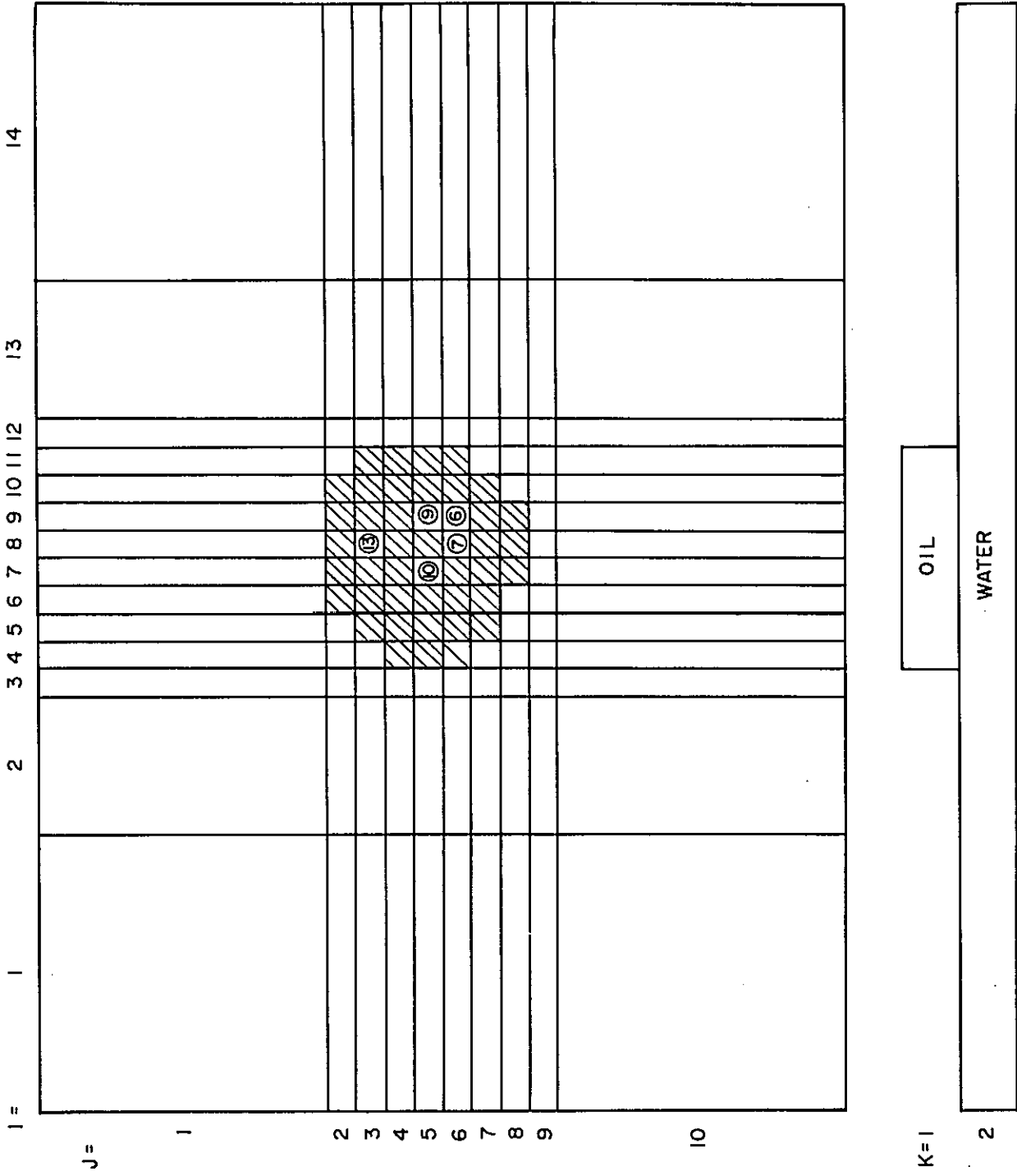


Fig. 1-3-2 SELECTED GRID PATTERN OF C ZONE, BARONIA FIELD
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Fig. 1-3-3

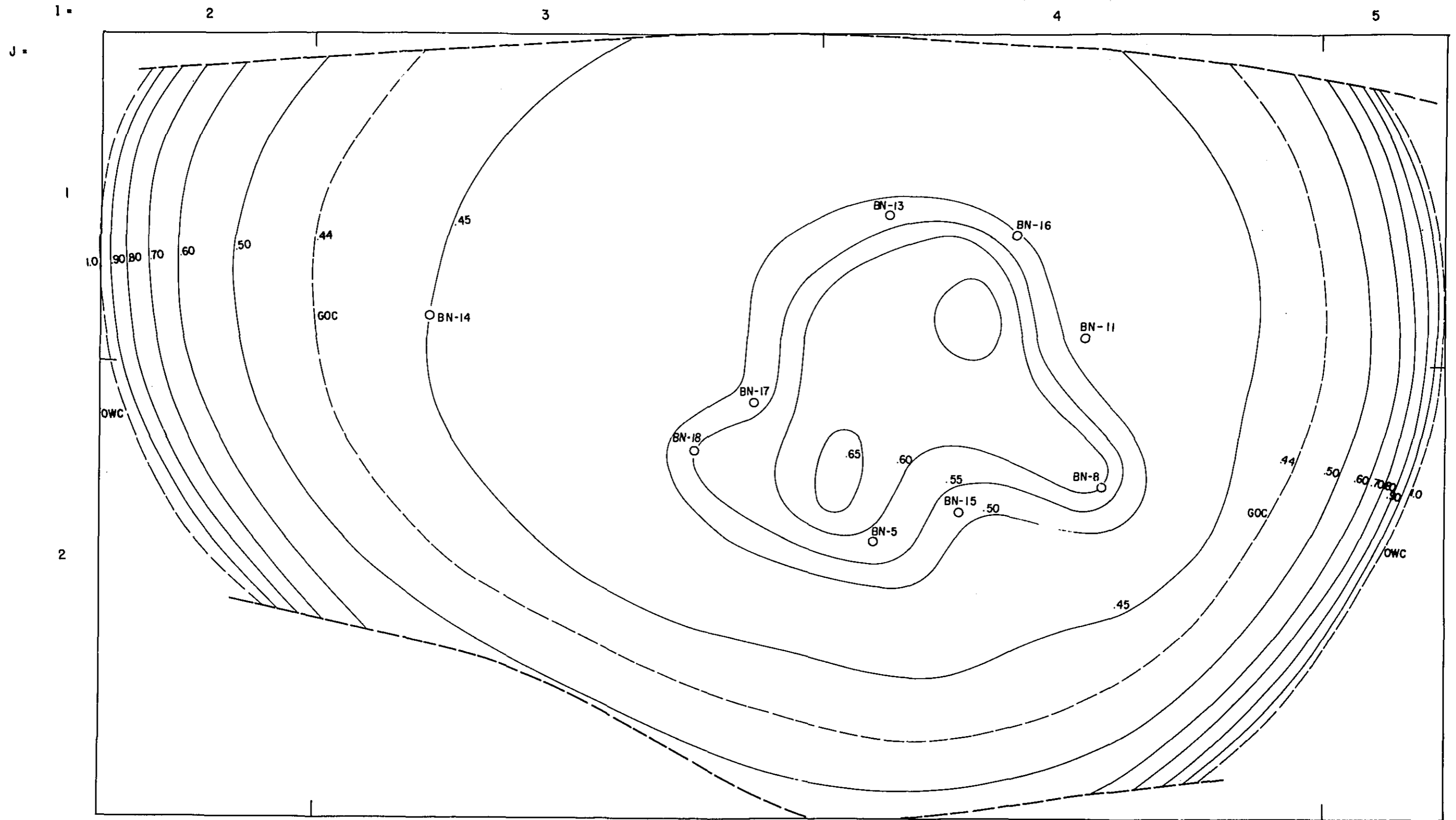
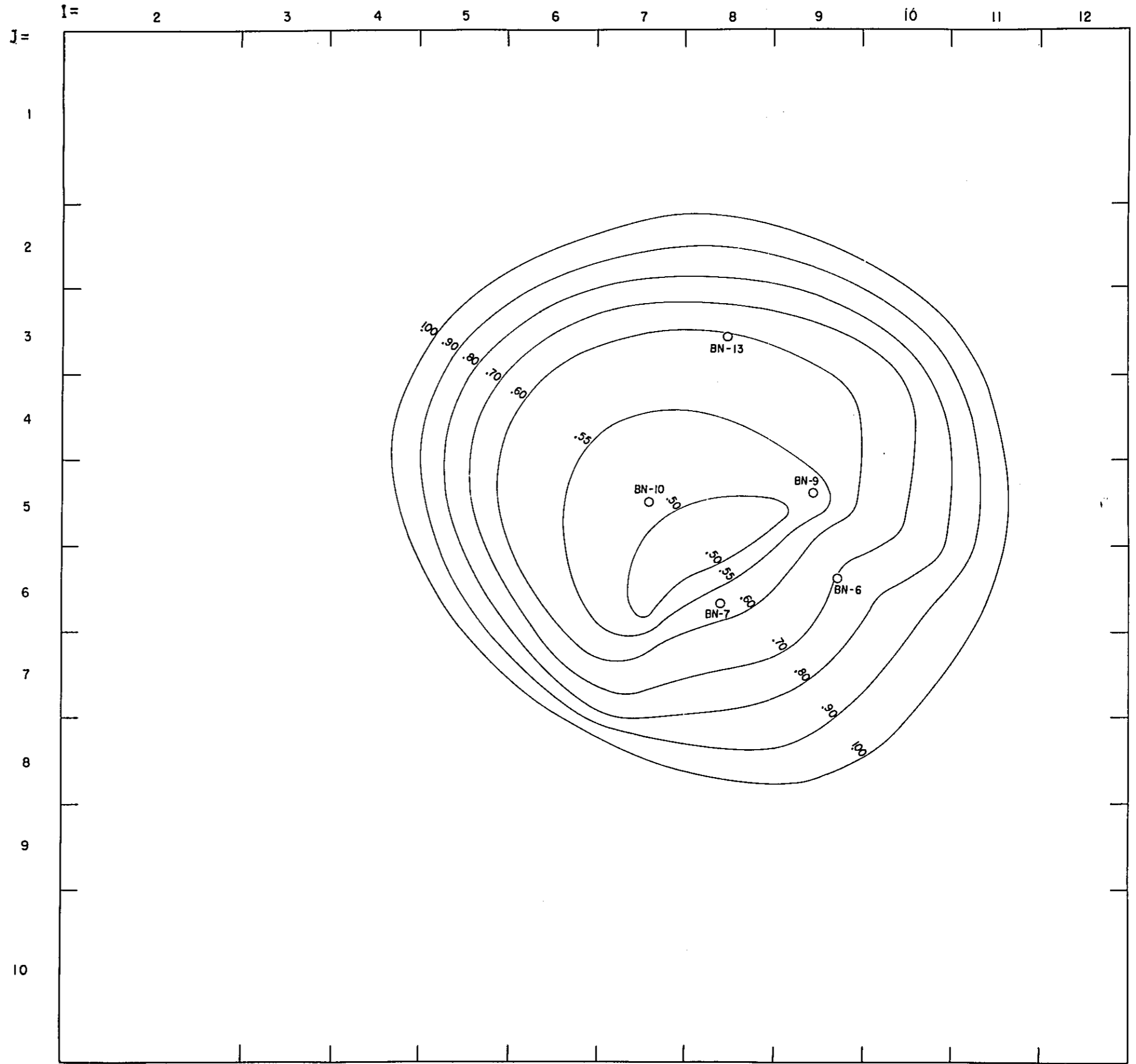


Fig. 1-3-3 WATER SATURATION MAP AT INITIAL CONDITION OF
Vol. IV A ZONE, BARONIA FIELD

Fig. 1-3-4
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WATER SATURATION MAP AT INITIAL CONDITION OF
C ZONE, BARONIA FIELD

Fig. 1-3-4



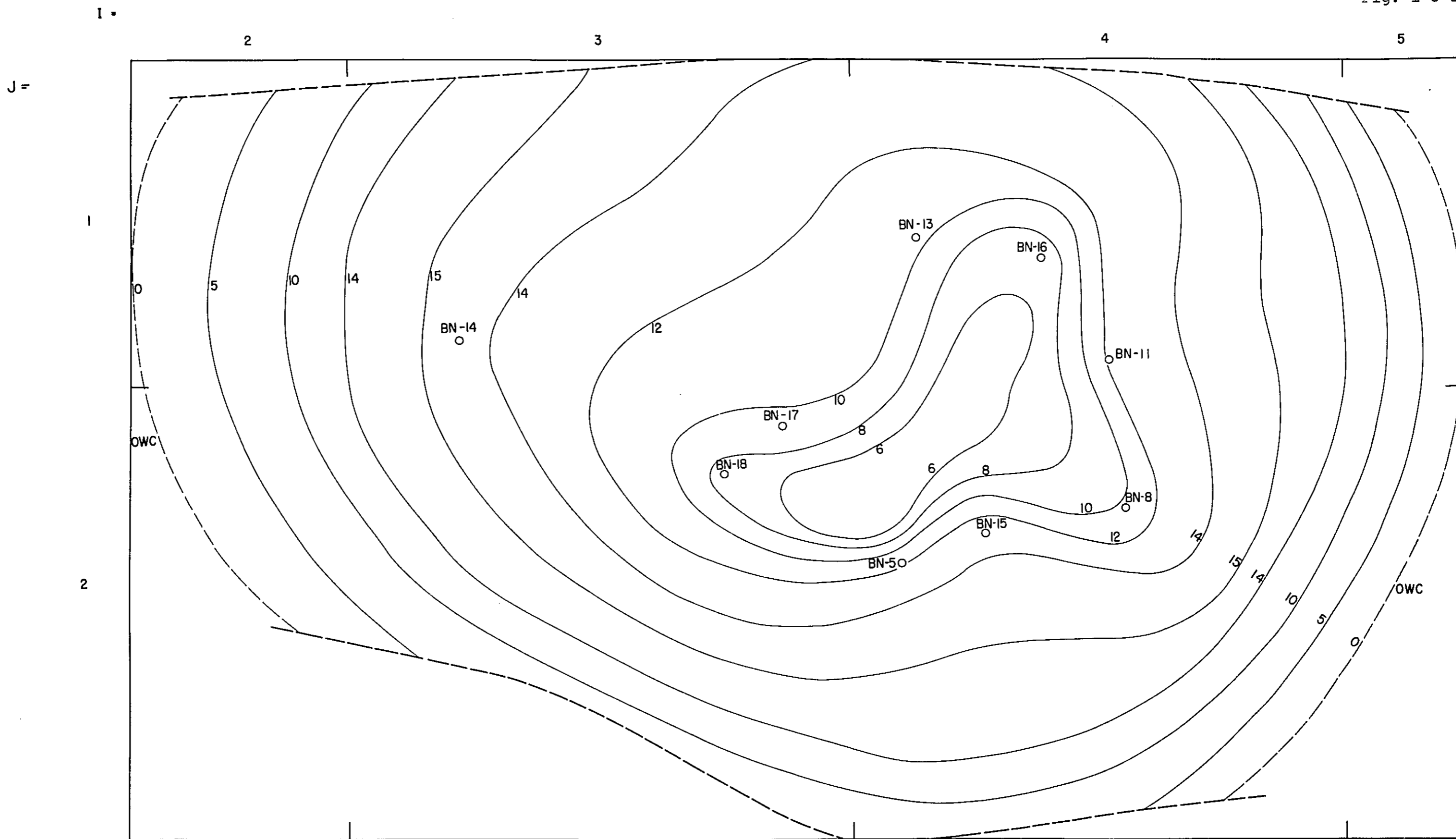
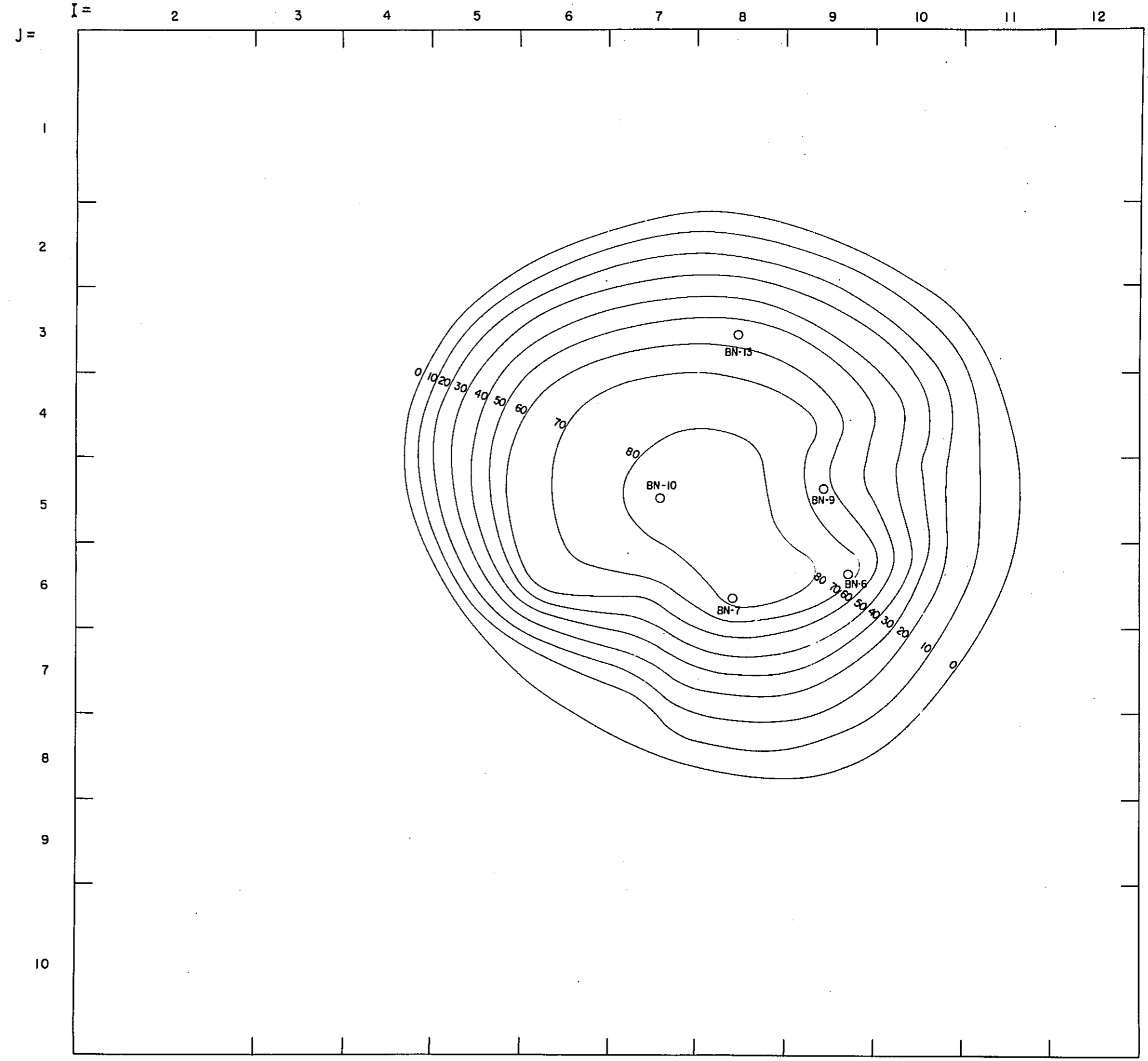


Fig. 1-3-5 POROSITY*NET THICKNESS MAP OF A ZONE, BARONIA FIELD
Vol. IV

Fig. 1-3-6
Vol. IV
I =

POROSITY×NET THICKNESS MAP OF C ZONE, BARONIA FIELD

Fig. 1-3-6



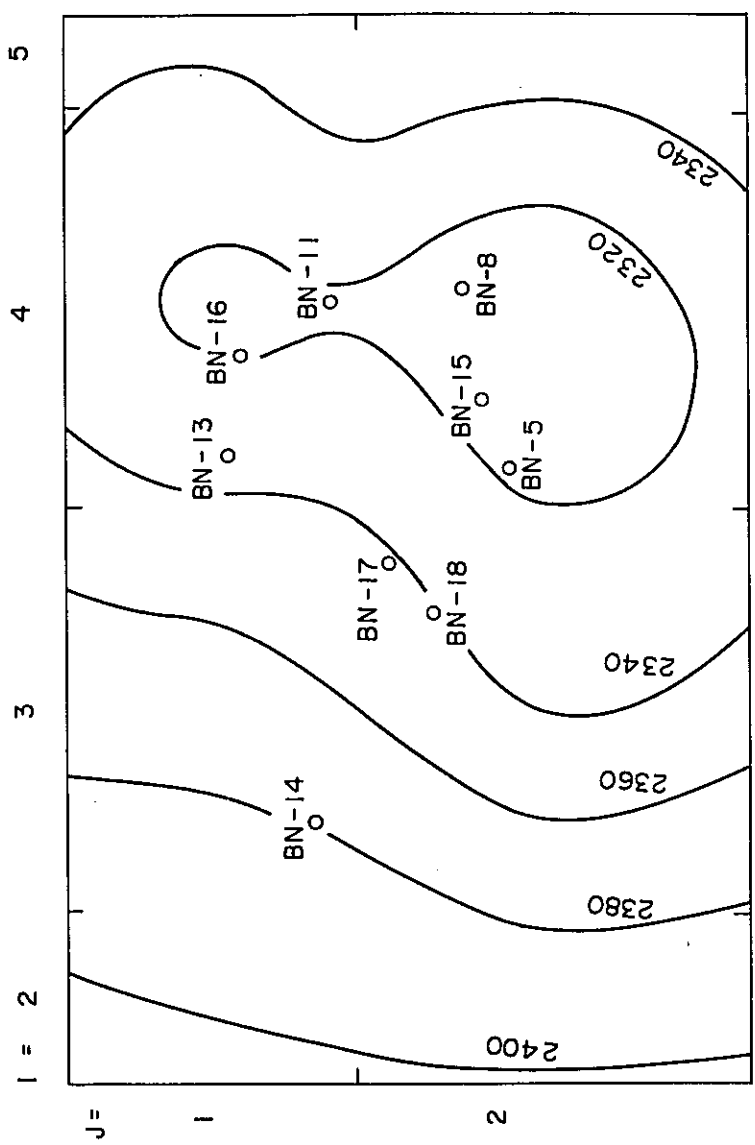


Fig. 1-3-7 ISO-BARIC MAP OF A ZONE, BARONIA FIELD, OCTOBER, 1976
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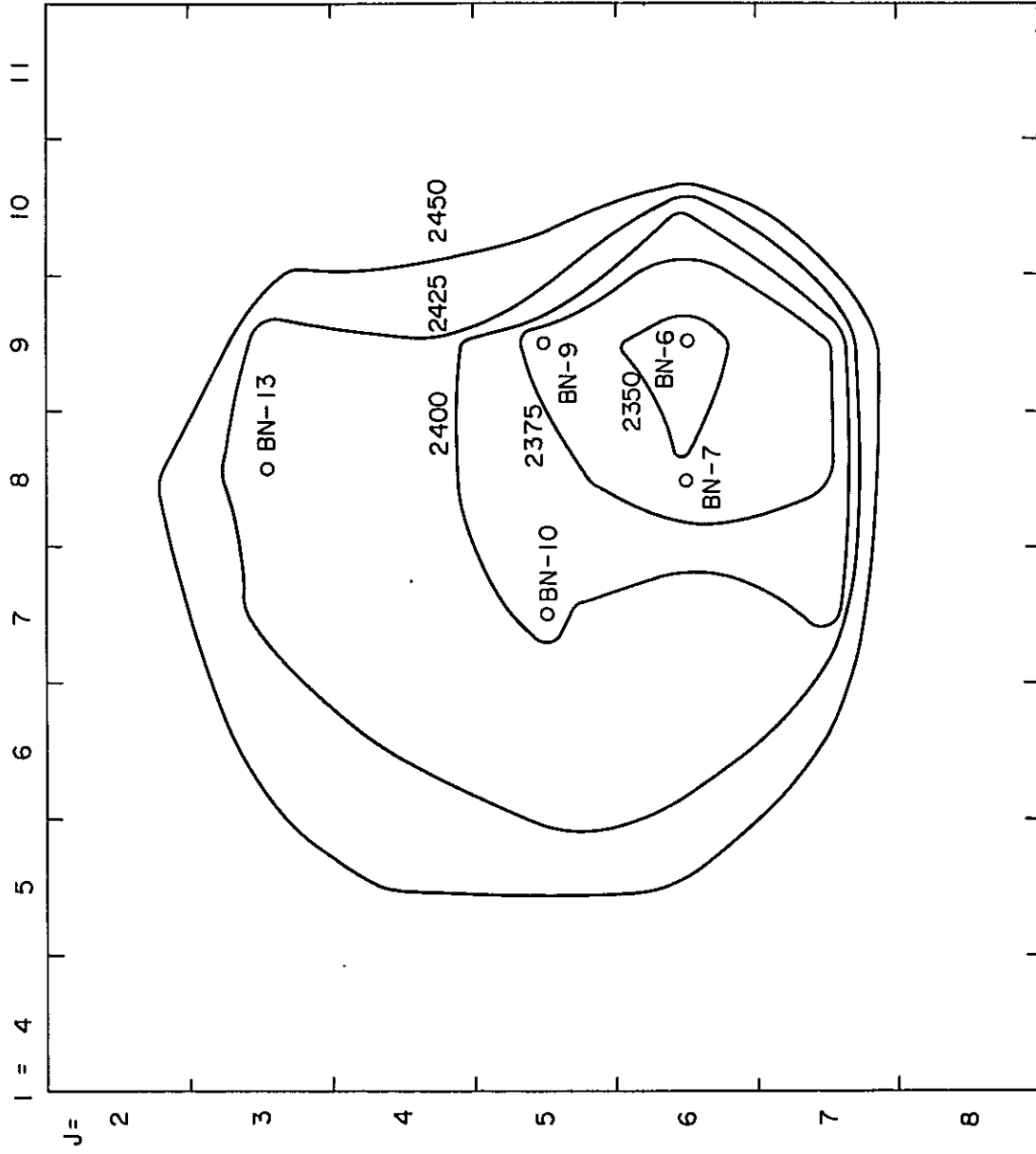


Fig. 1-3-8 ISO-BARIC MAP OF C ZONE, BARONIA FIELD, OCTOBER, 1976
Vol. IV

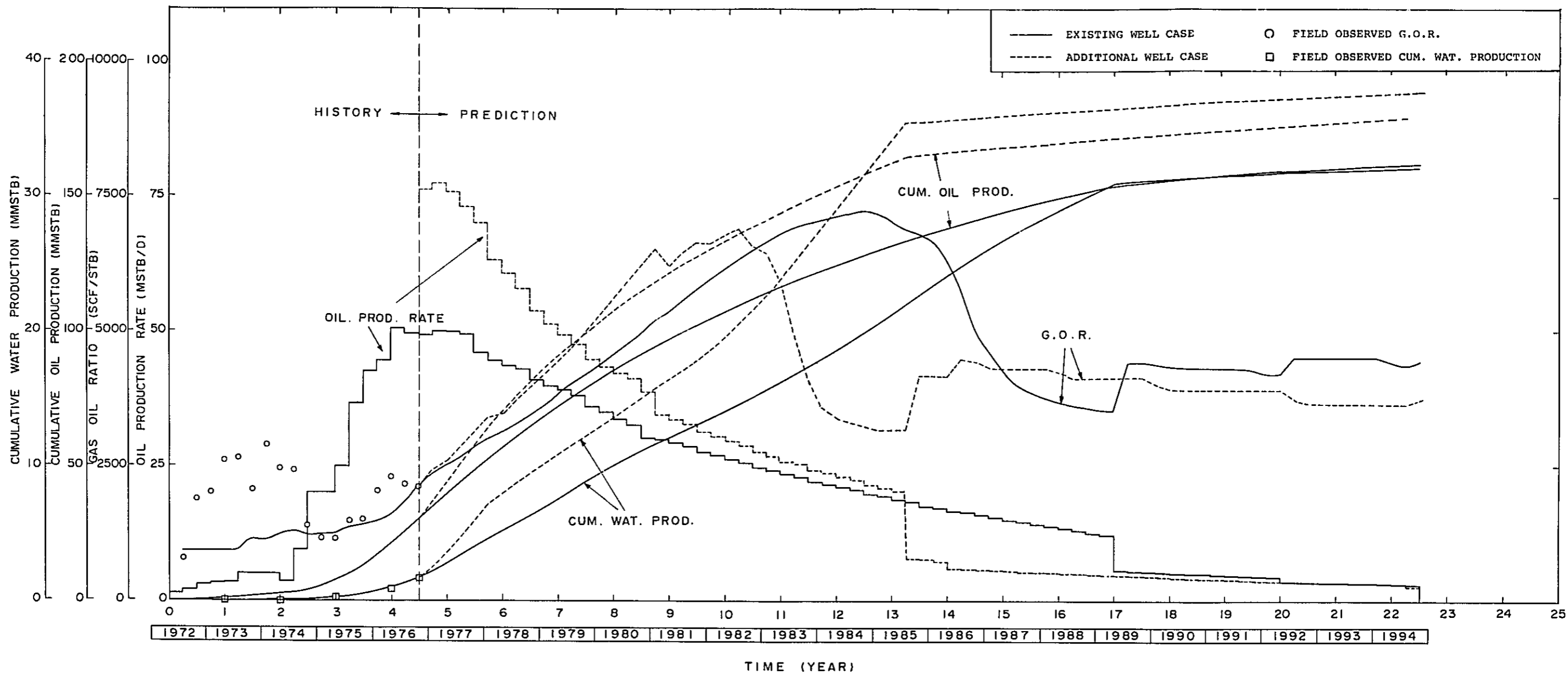


Fig. 1-3-9 PREDICTED PERFORMANCE OF BARONIA FIELD
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Fig. 1-3-10

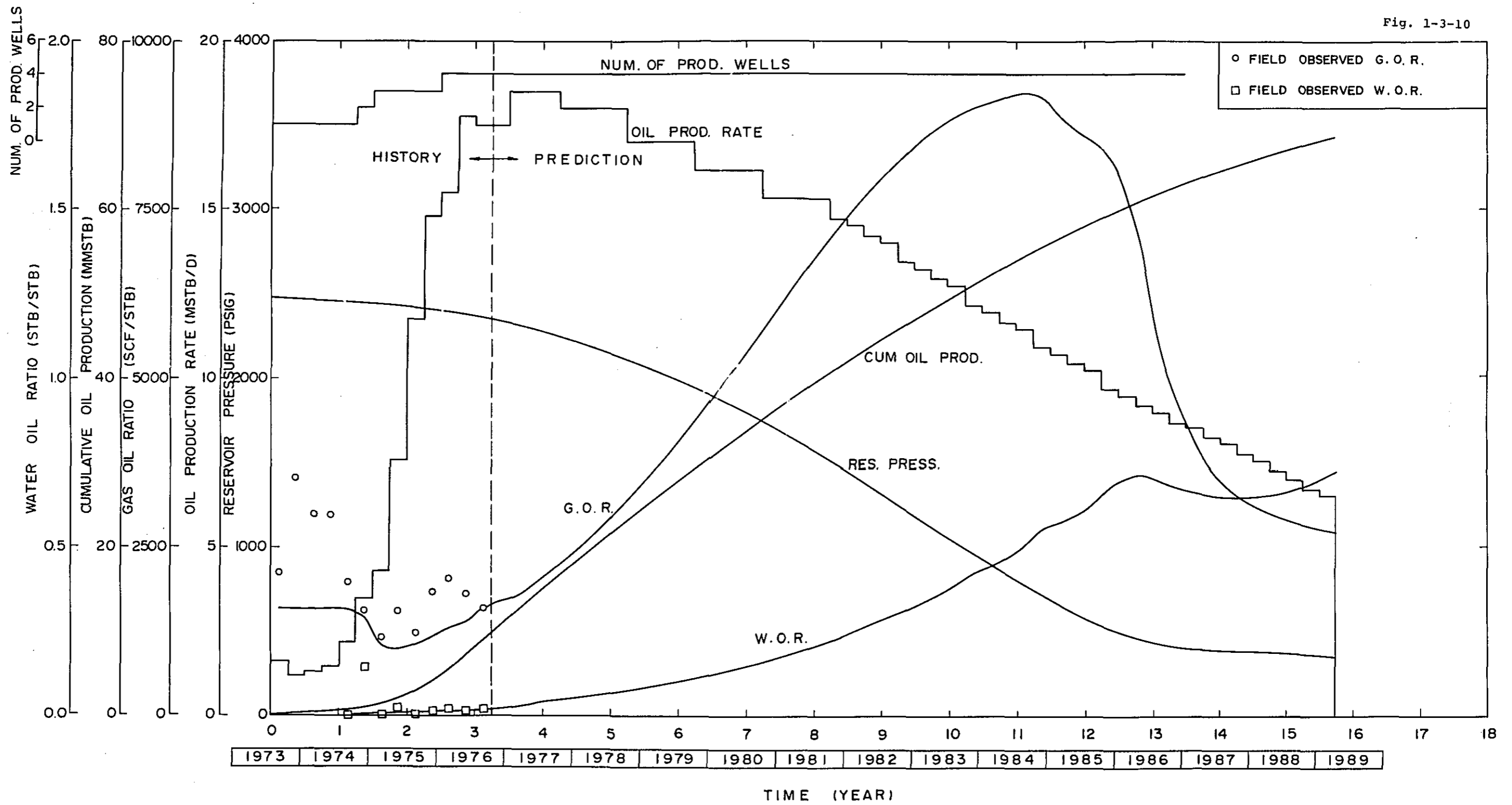


Fig. 1-3-10 PREDICTED PERFORMANCE OF A ZONE, BARONIA FIELD
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Fig. 1-3-11

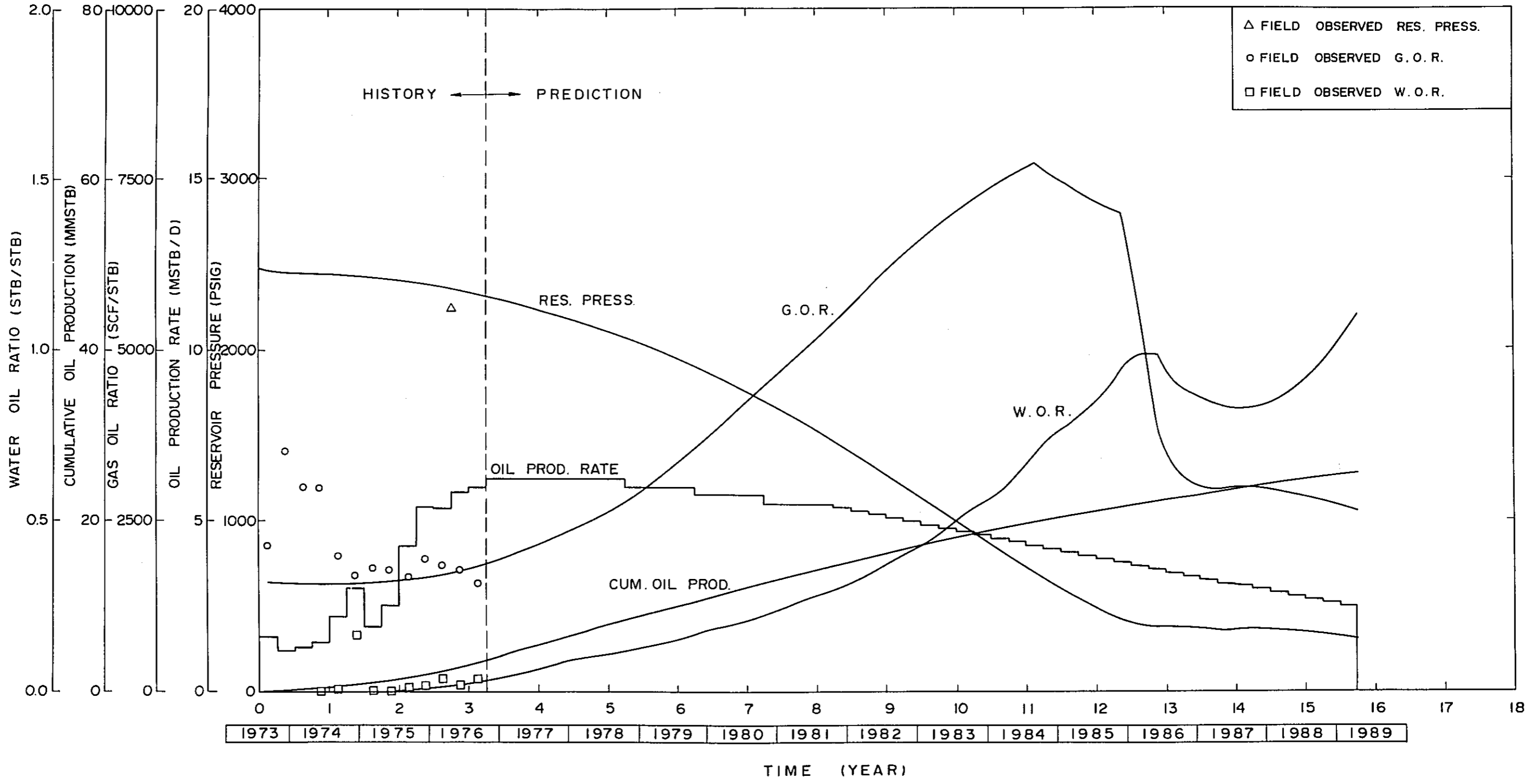


Fig. 1-3-11 PREDICTED PERFORMANCE OF A ZONE, WELL 1, BARONIA FIELD
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Fig. 1-3-12

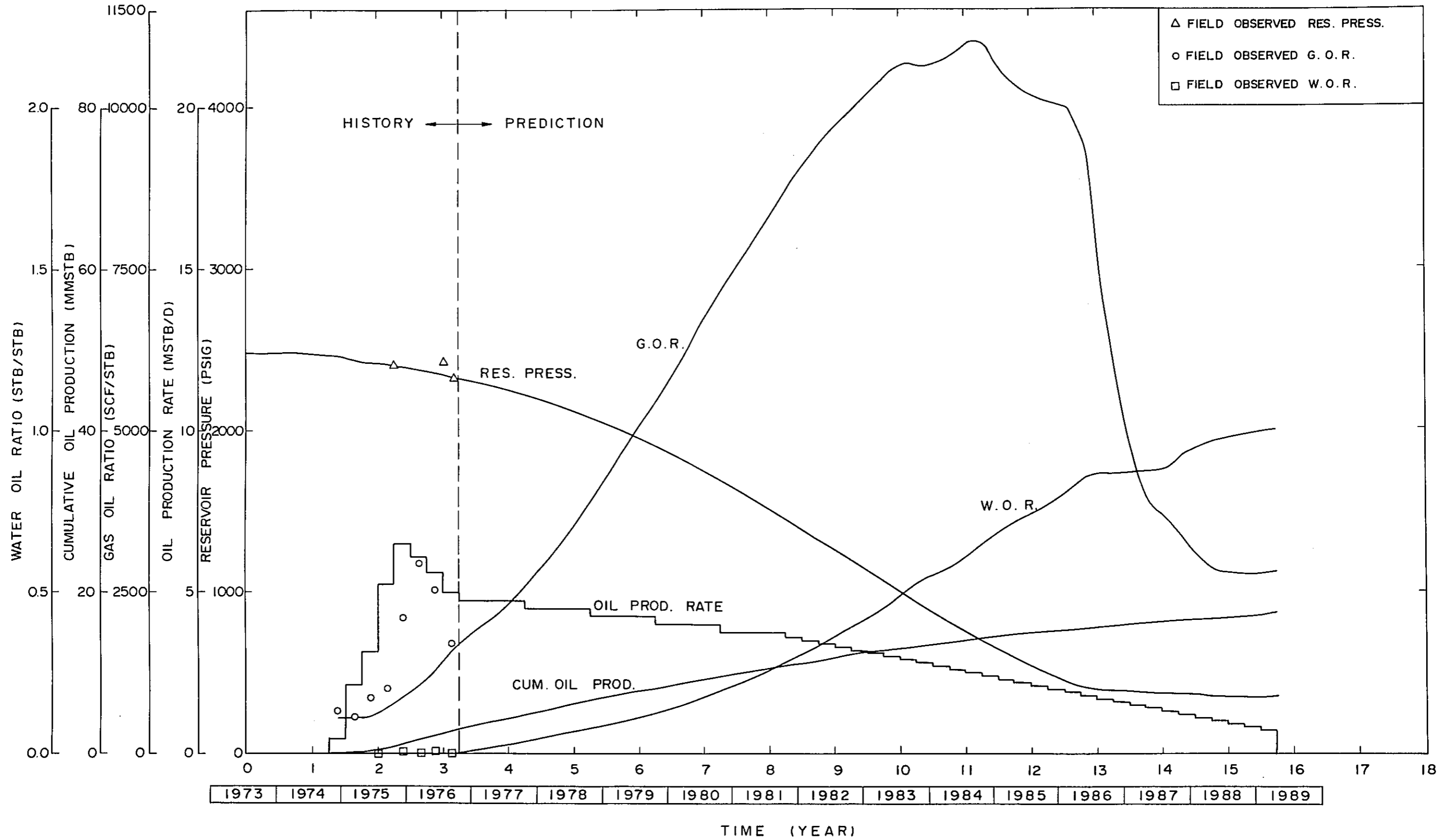


Fig. 1-3-12 PREDICTED PERFORMANCE OF A ZONE, WELL 2, BARONIA FIELD
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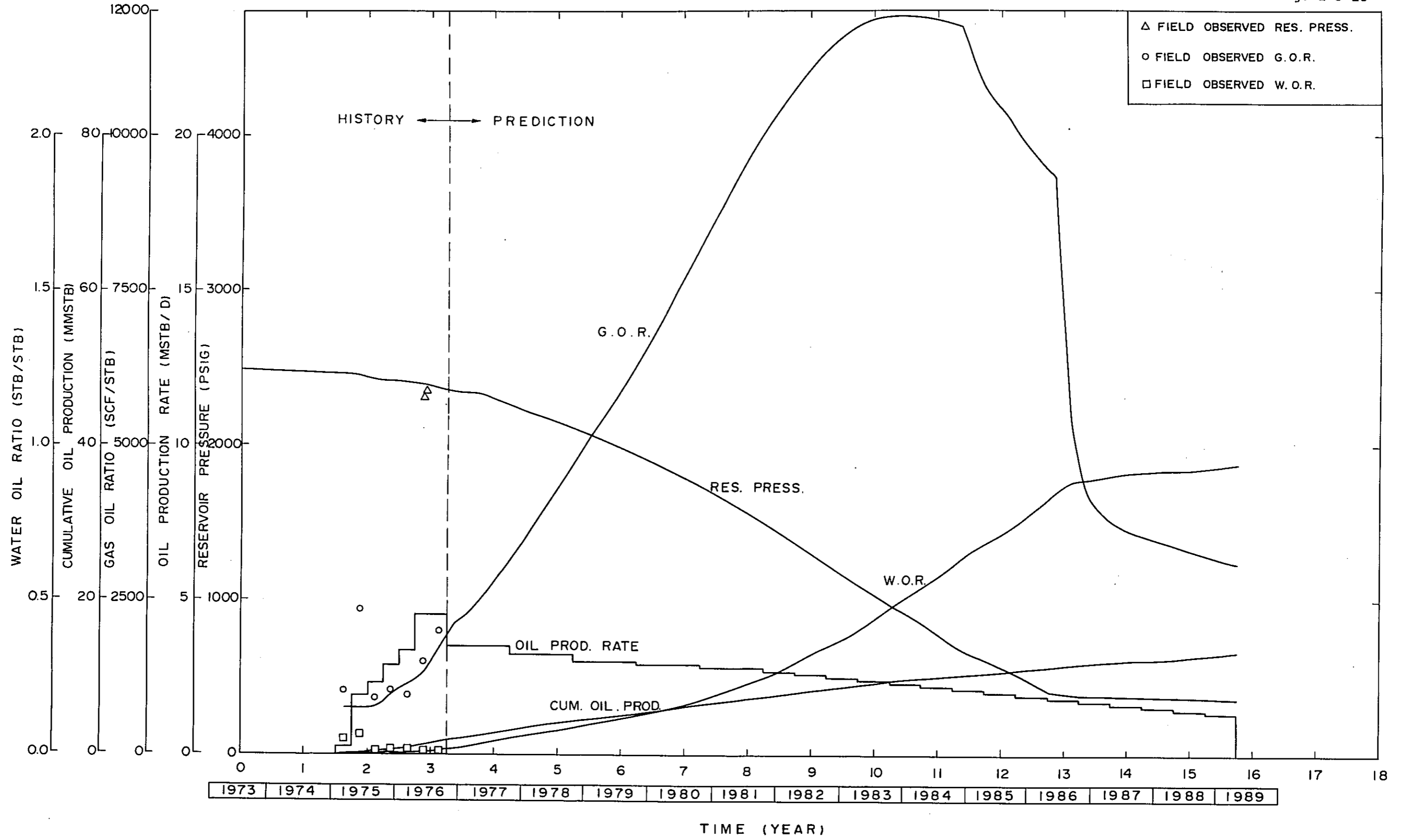


Fig. 1-3-13 PREDICTED PERFORMANCE OF A ZONE, WELL 3, BARONIA FIELD
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Fig. 1-3-14

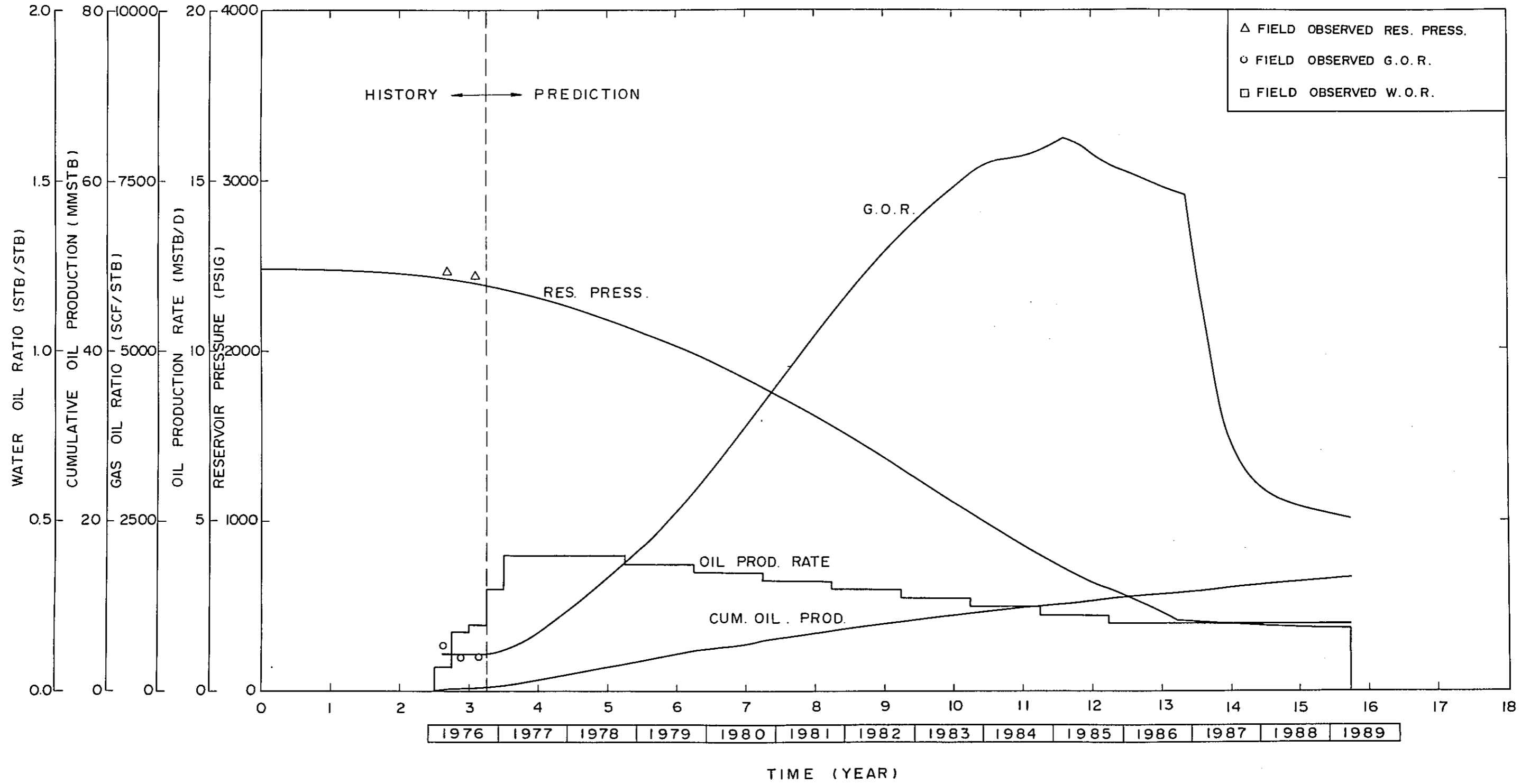


Fig. 1-3-14 PREDICTED PERFORMANCE OF A ZONE, WELL 4, BARONIA FIELD
Vol. IV

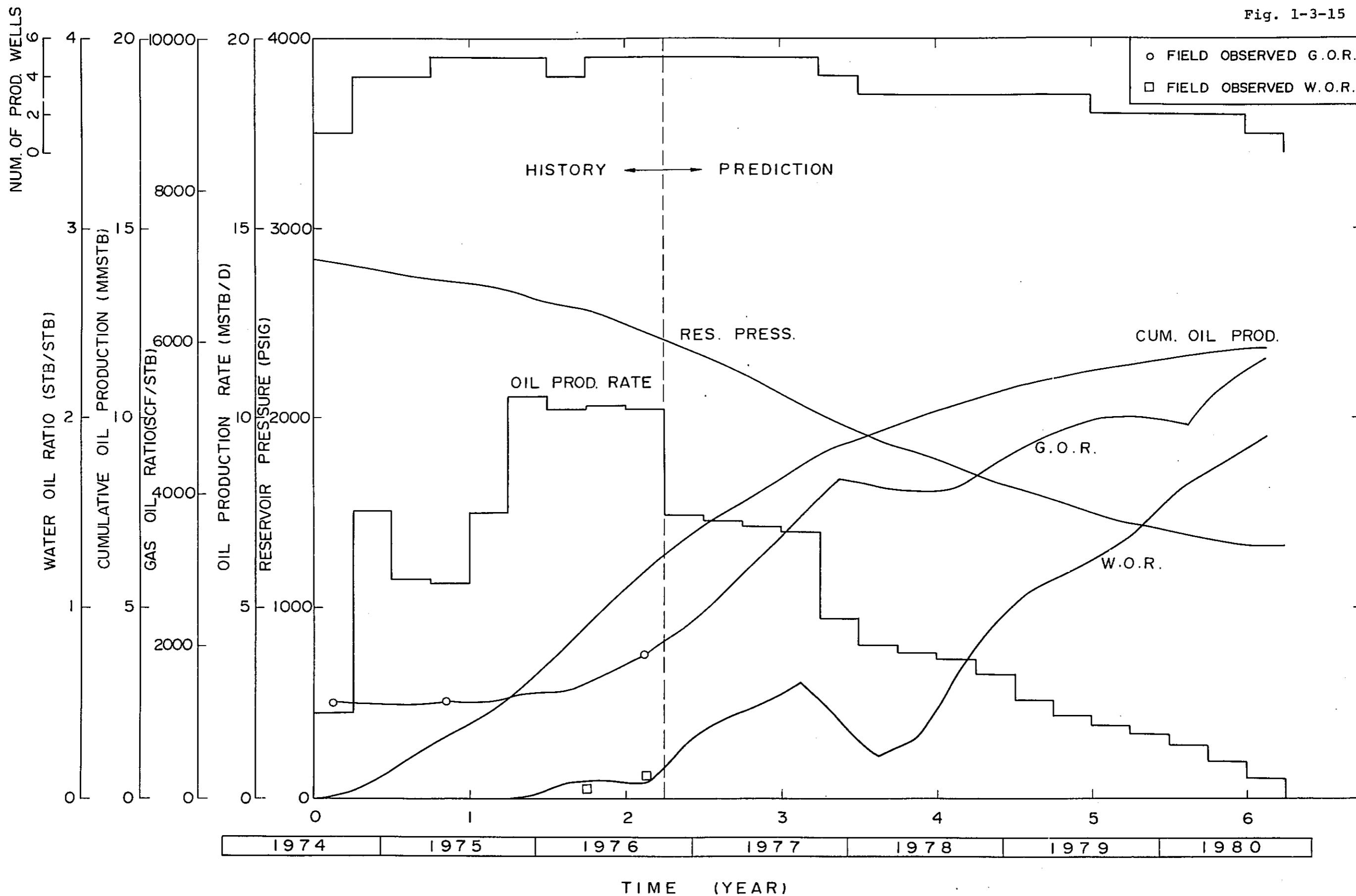


Fig. 1-3-15 PREDICTED PERFORMANCE OF C ZONE, BARONIA FIELD
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Fig. 1-3-16

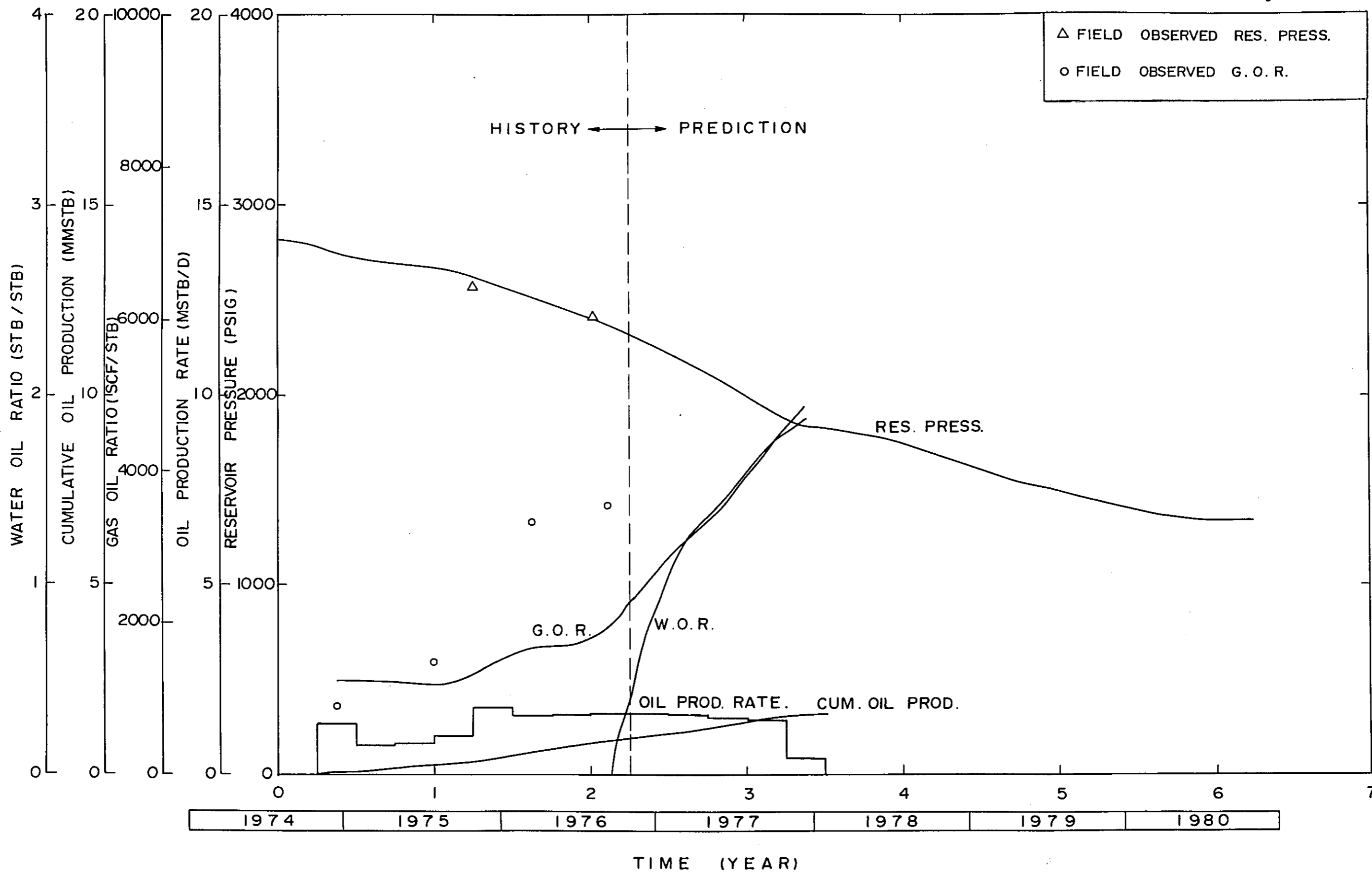


Fig. 1-3-16
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PREDICTED PERFORMANCE OF C ZONE, WELL BN-6,
BARONIA FIELD

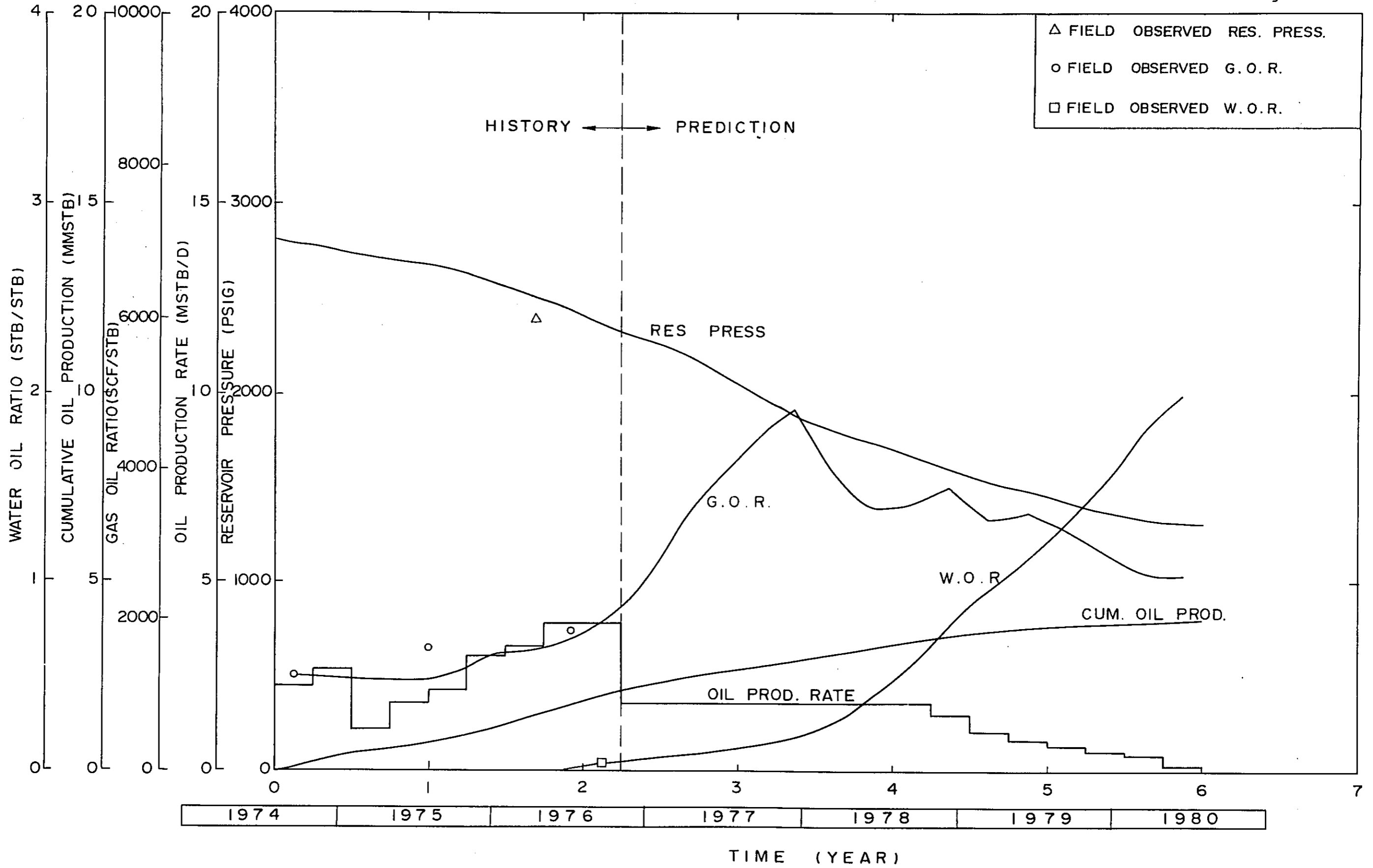


Fig. 1-3-17 PREDICTED PERFORMANCE OF C ZONE, WELL BN-7,
Vol. IV BARONIA FIELD

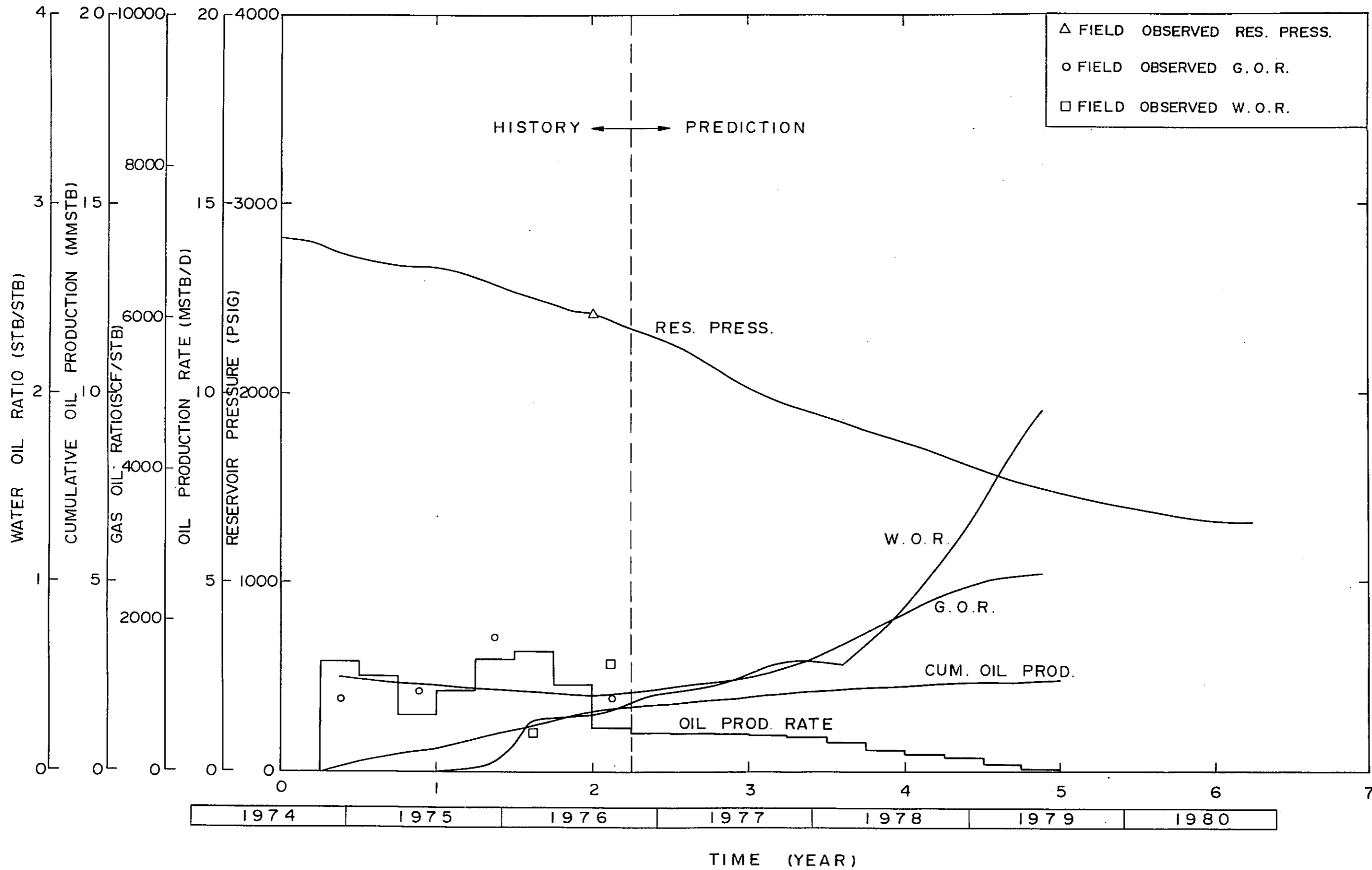


Fig. 1-3-18 PREDICTED PERFORMANCE OF C ZONE, WELL BN-9, BARONIA FIELD
Vol. IV

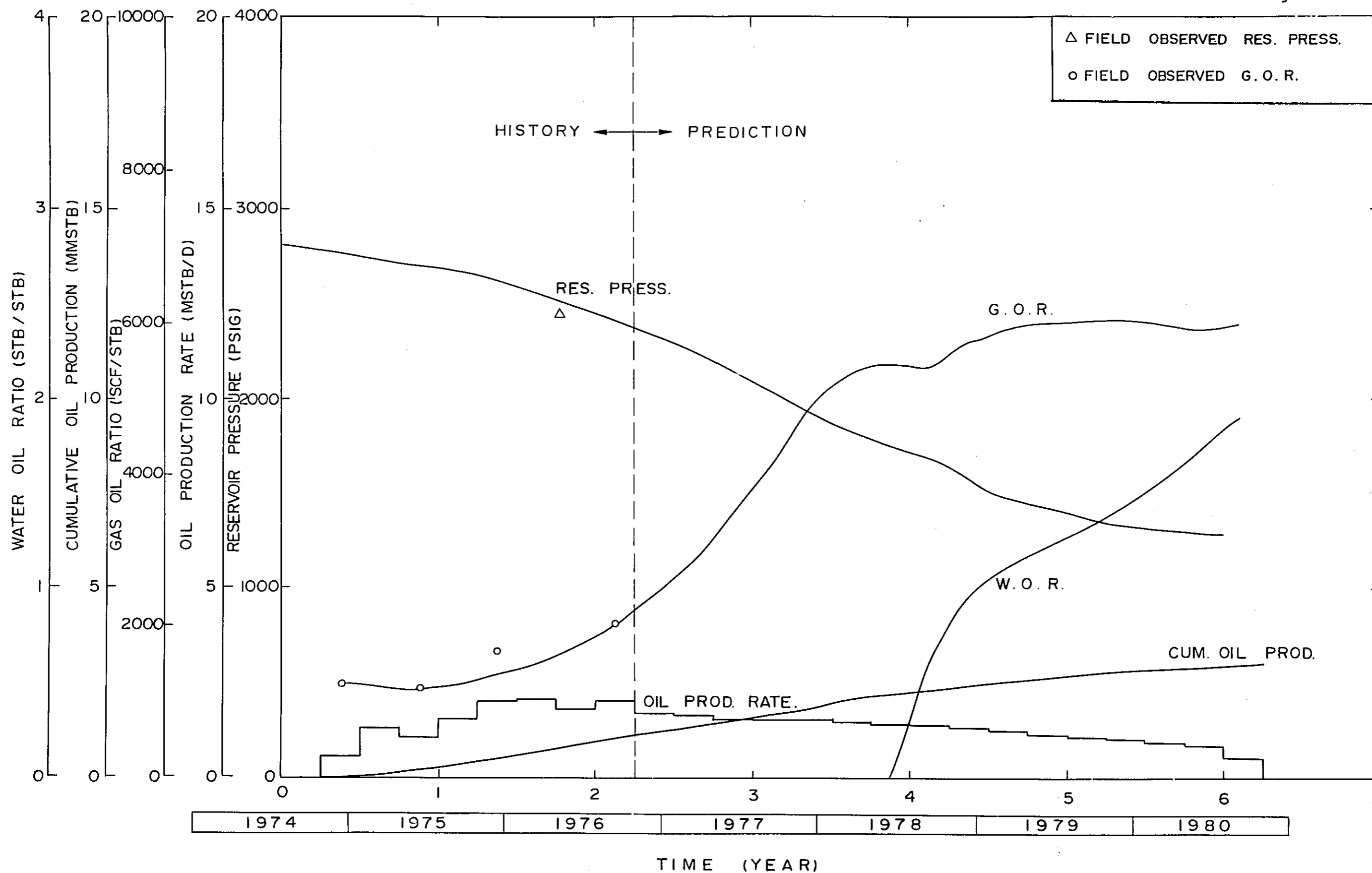


Fig. 1-3-19 PREDICTED PERFORMANCE OF C ZONE, WELL BN-10,
Vol. IV BARONIA FIELD

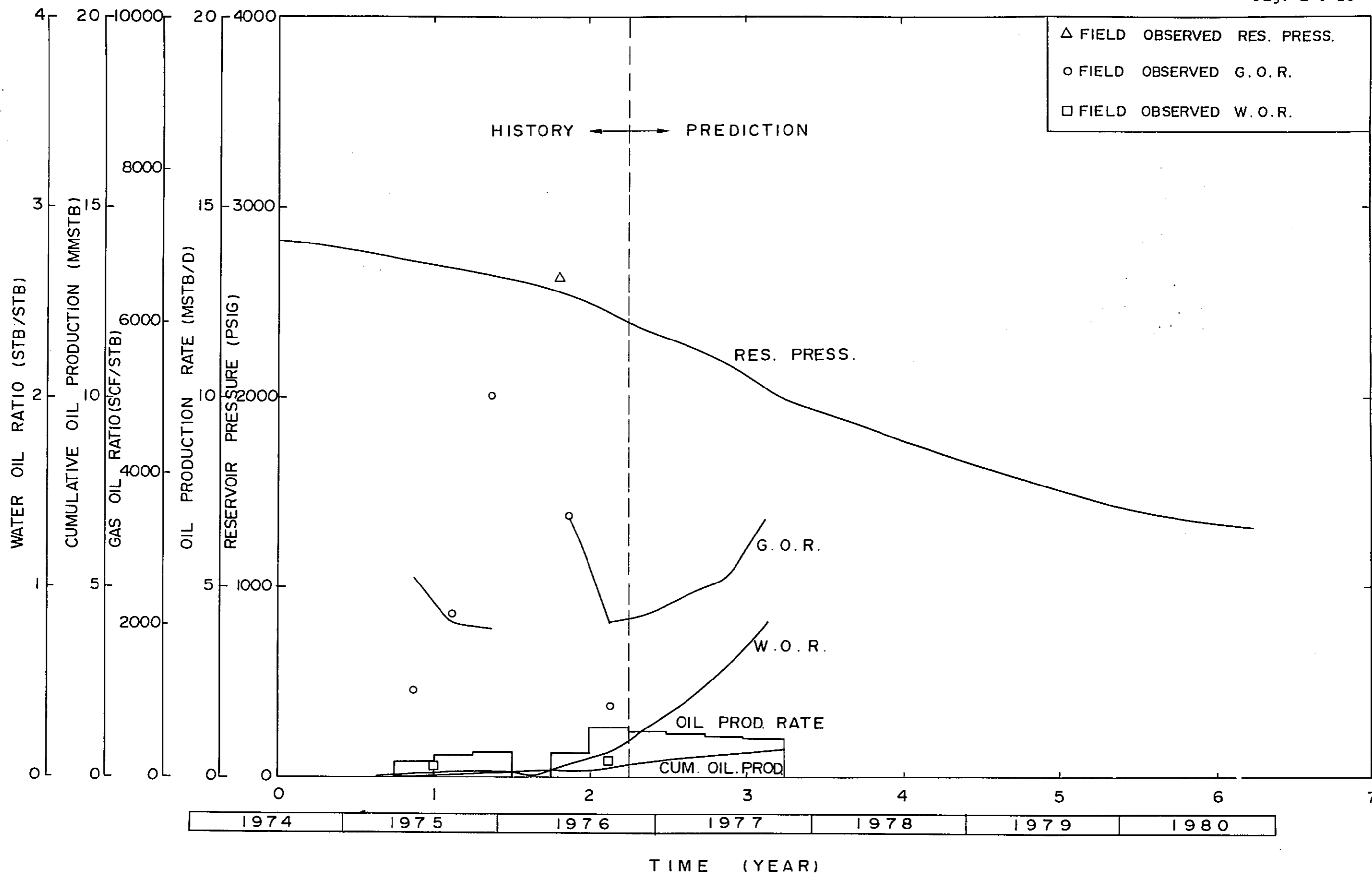


Fig. 1-3-20 PREDICTED PERFORMANCE OF C ZONE, WELL BN-13,
Vol. IV BARONIA FIELD

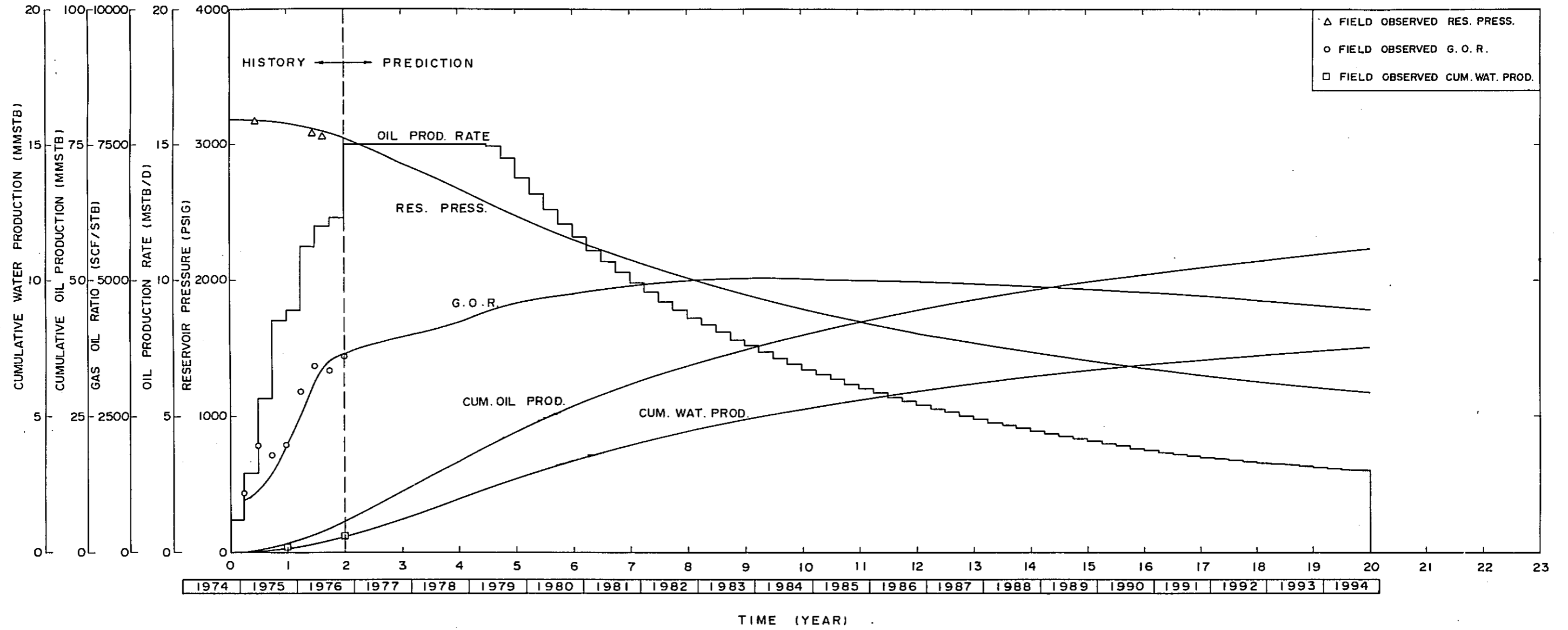


Fig. 1-3-21 PREDICTED PERFORMANCE OF D ZONE, BARONIA FIELD
Vol. IV

Fig. 1-3-22

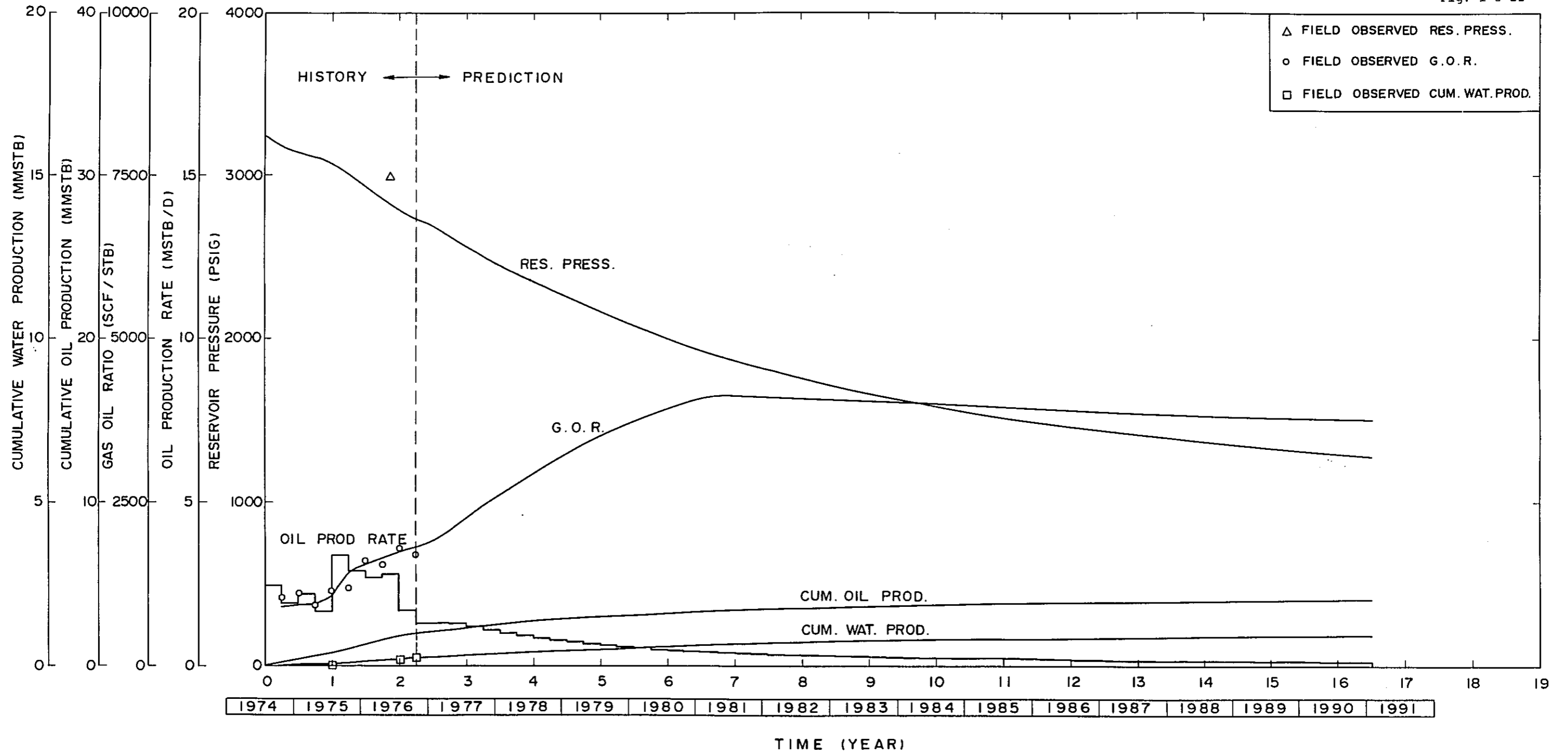


Fig. 1-3-22 PREDICTED PERFORMANCE OF E ZONE, BARONIA FIELD
Vol. IV

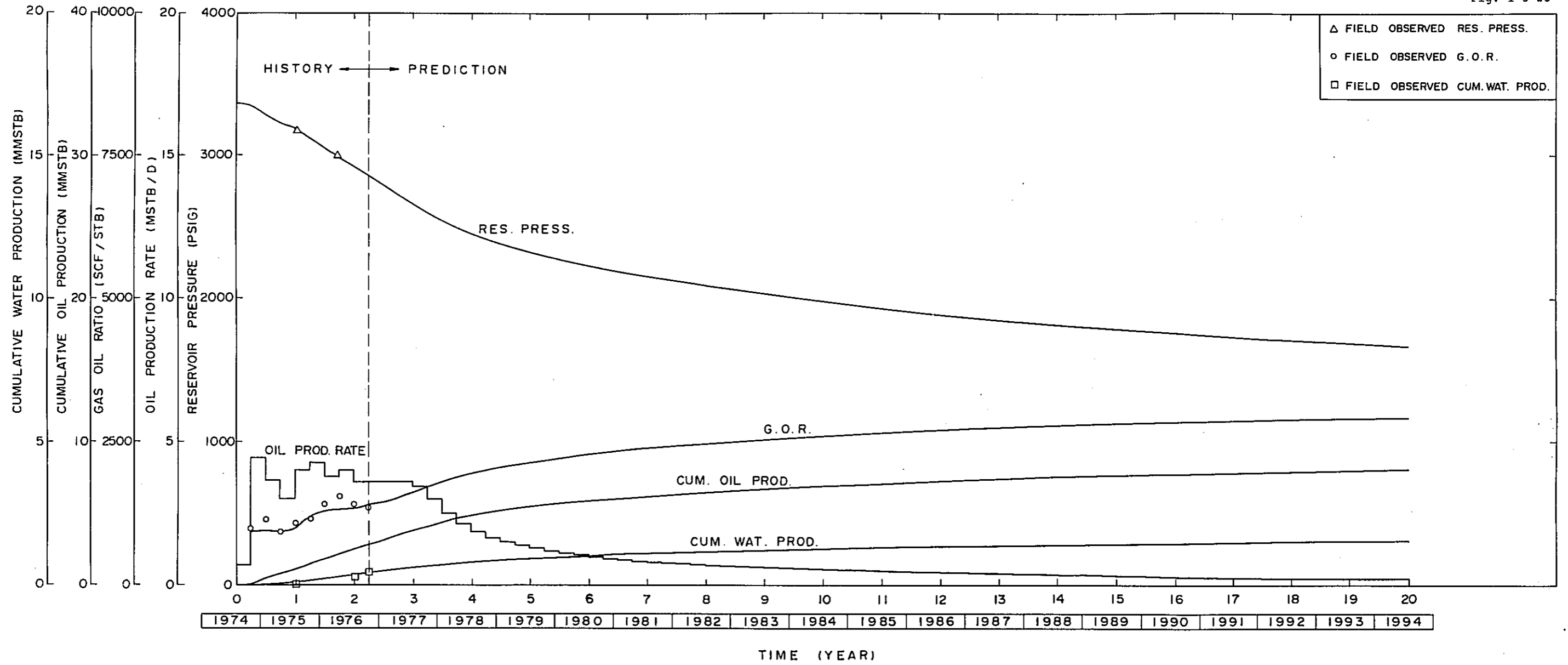


Fig. 1-3-23 PREDICTED PERFORMANCE OF F1 ZONE, BARONIA FIELD
Vol. IV

Fig. 1-3-24

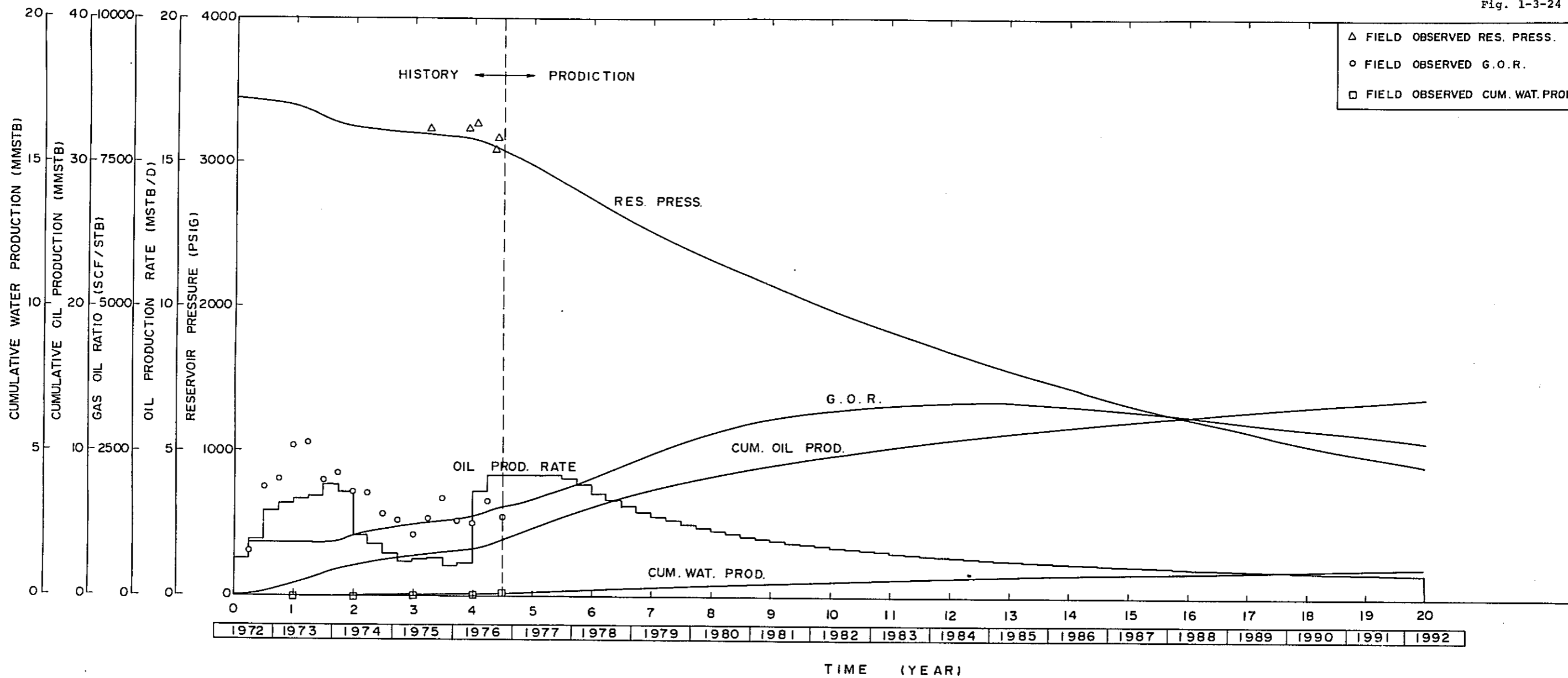


Fig. 1-3-24 PREDICTED PERFORMANCE OF F2 ZONE, BARONIA FIELD
Vol. IV

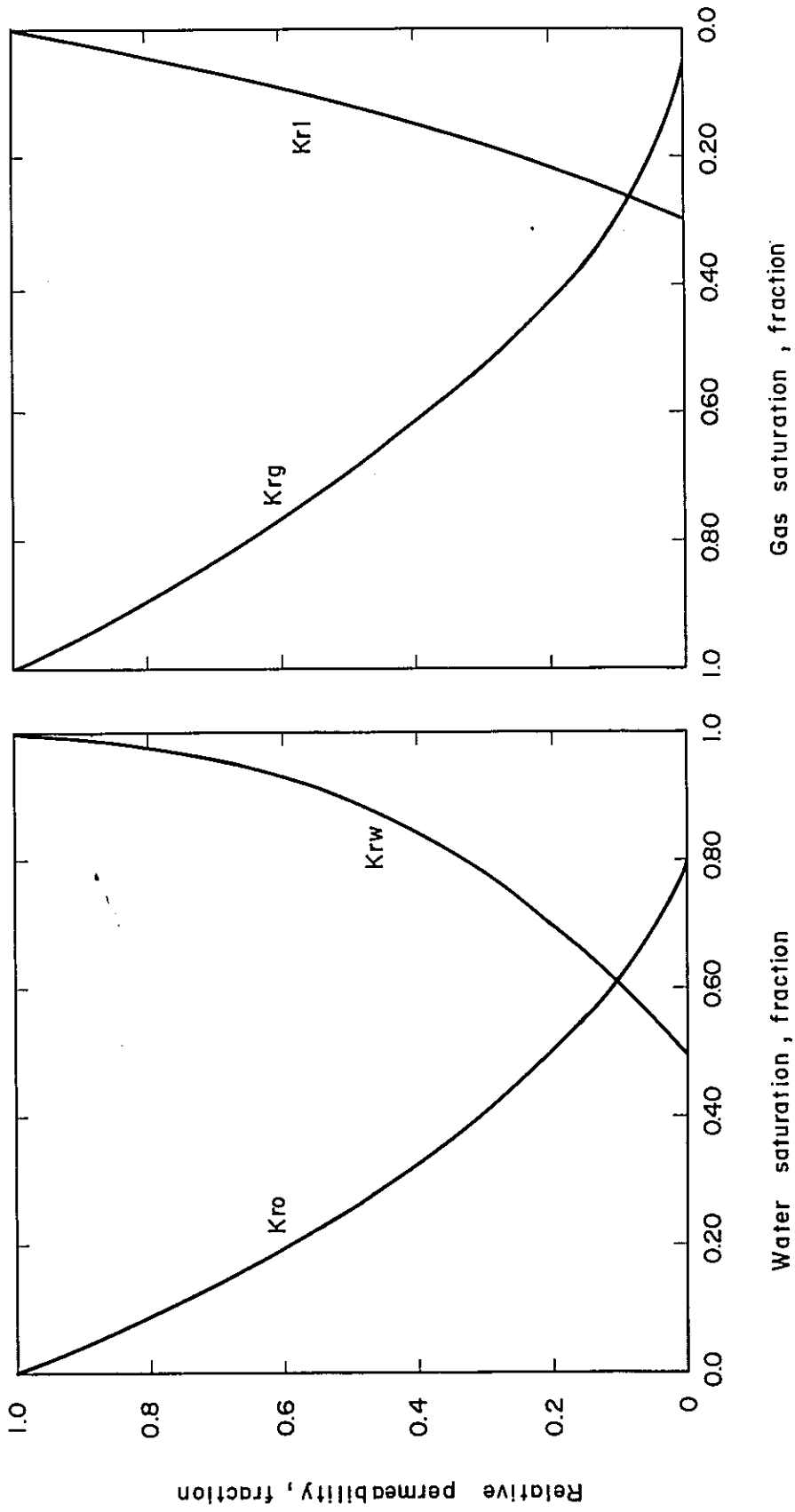


Fig. 1-3-25 OIL-WATER RELATIVE PERMEABILITY AND GAS-LIQUID
 VOL. IV RELATIVE PERMEABILITY OF A ZONE, BARONIA FIELD

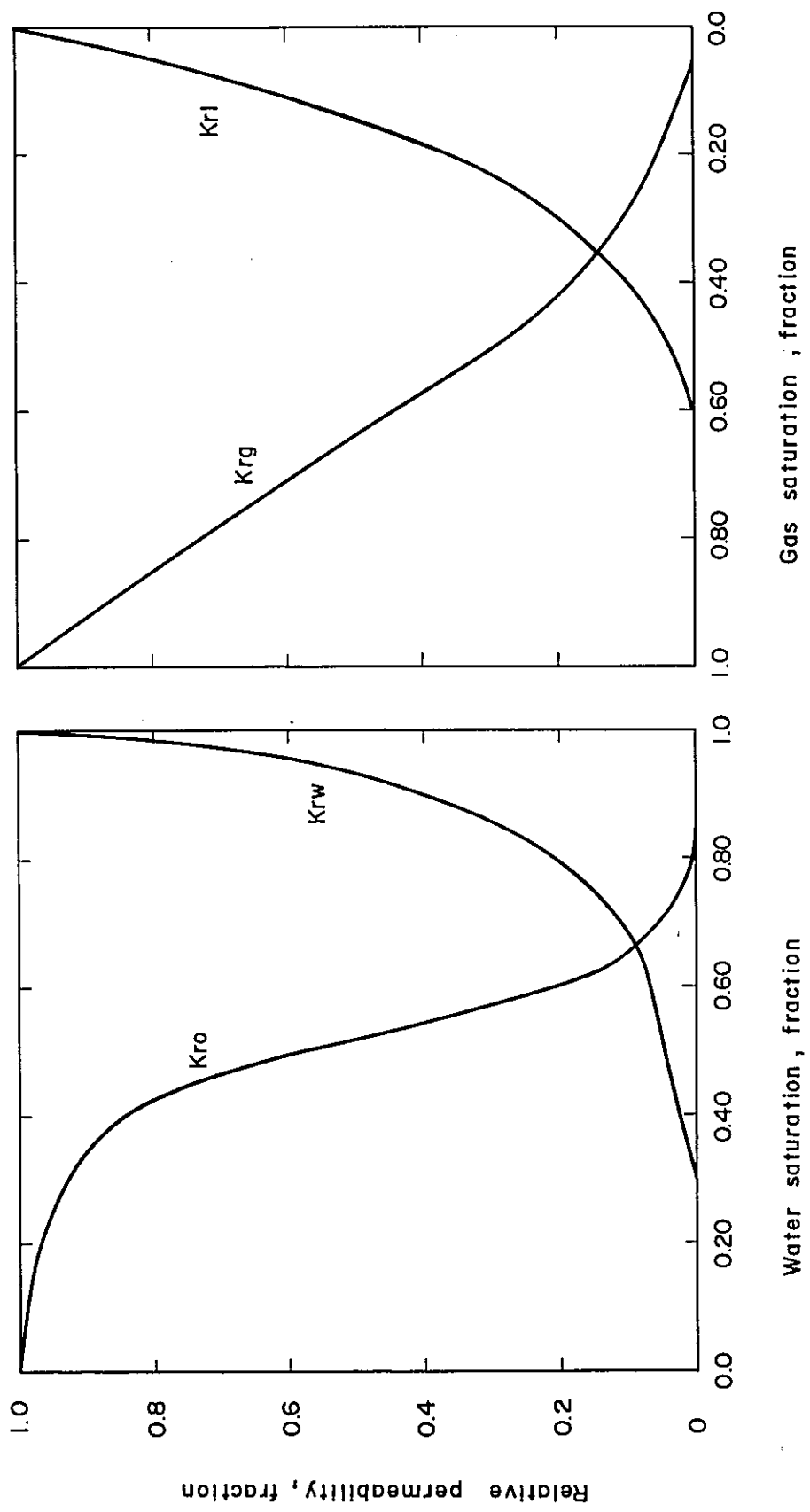


Fig. 1-3-26 OIL-WATER RELATIVE PERMEABILITY AND GAS-LIQUID
 Vol. IV RELATIVE PERMEABILITY OF C ZONE, BARONIA FIELD

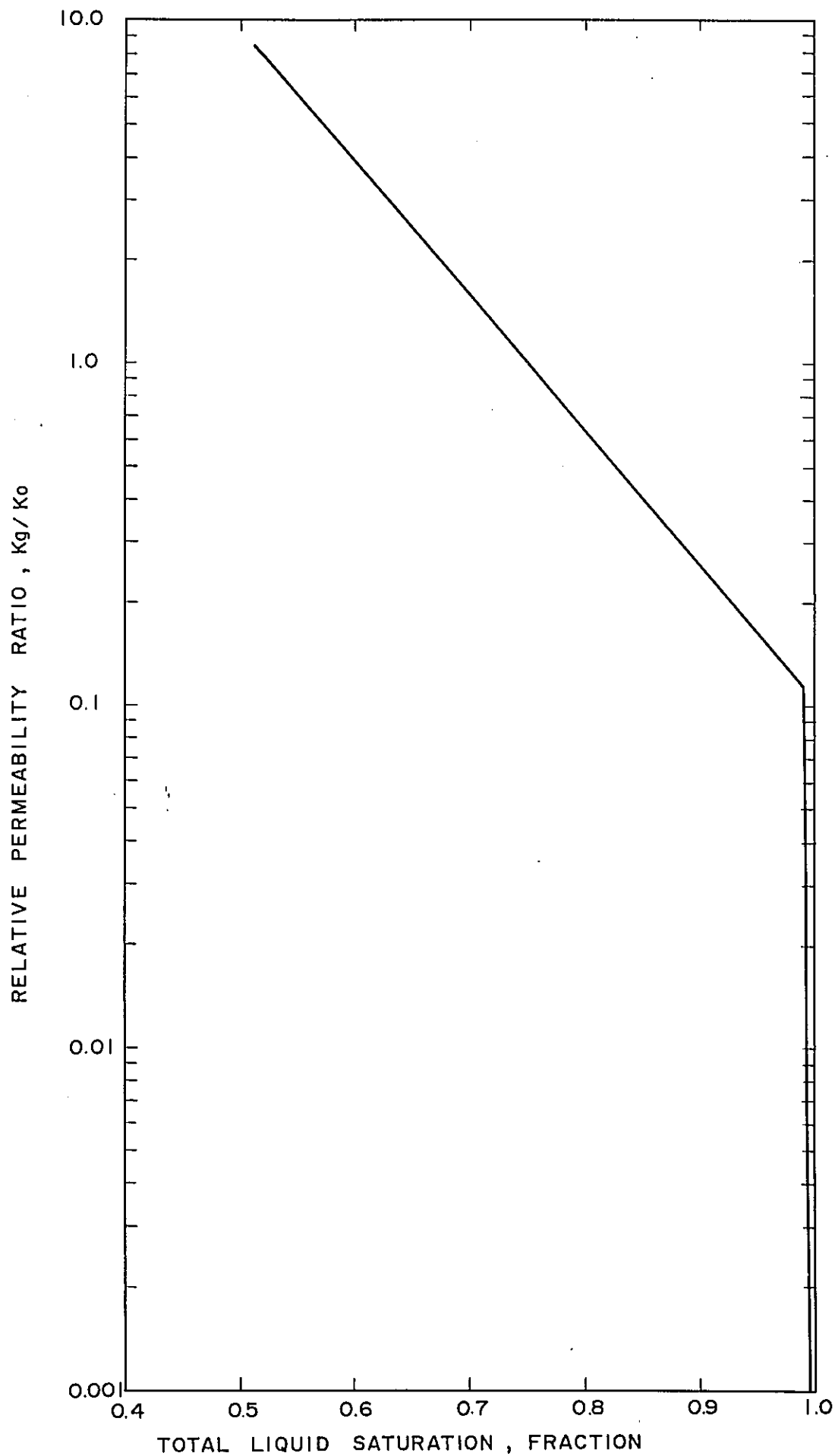


Fig. 1-3-27 GAS-OIL RELATIVE PERMEABILITY RATIO OF D ZONE, BARONIA FIELD
Vol. IV

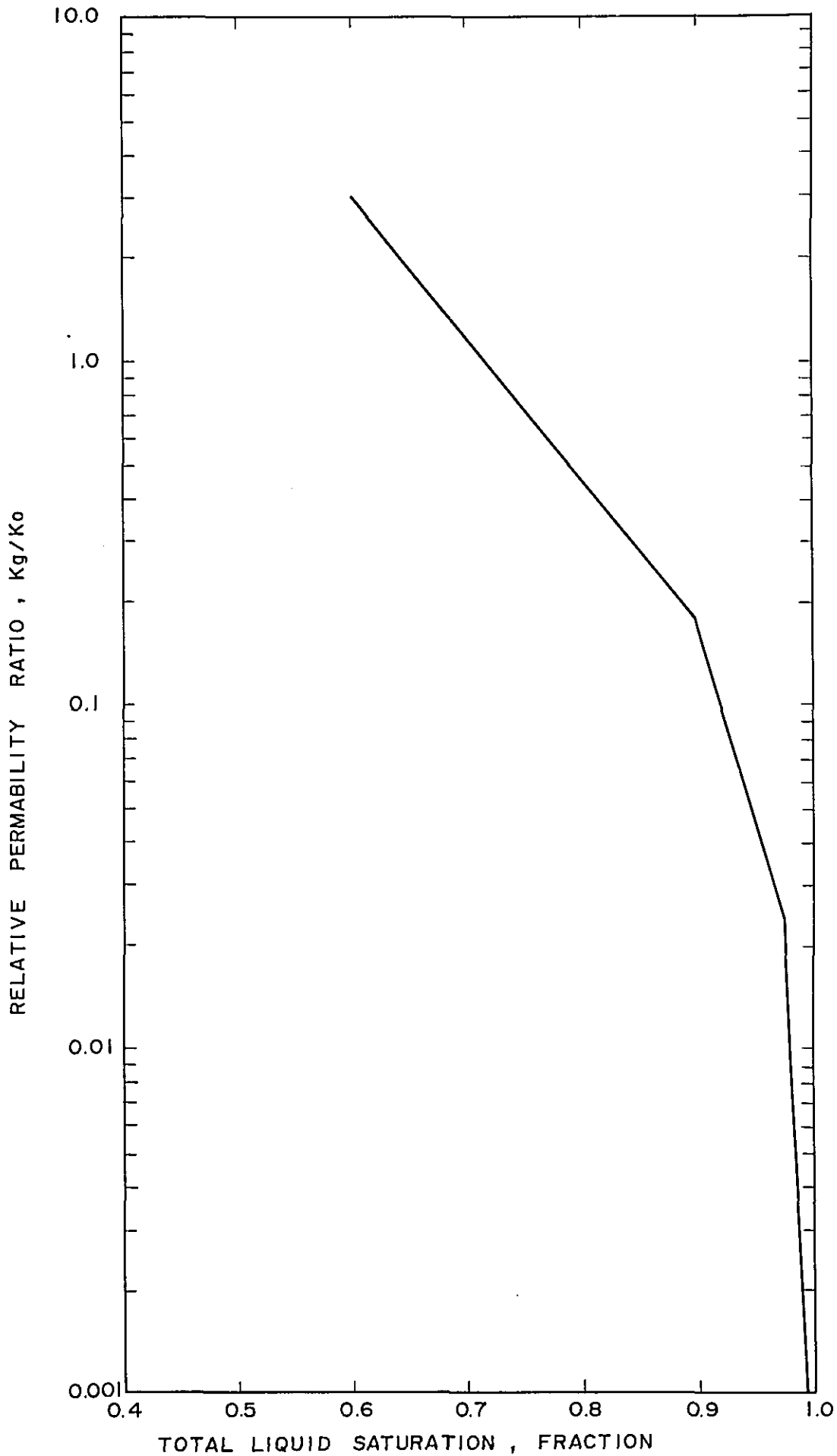


Fig 1-3-28 GAS-OIL RELATIVE PERMEABILITY RATIO OF E ZONE, BARONIA FIELD
Vol IV

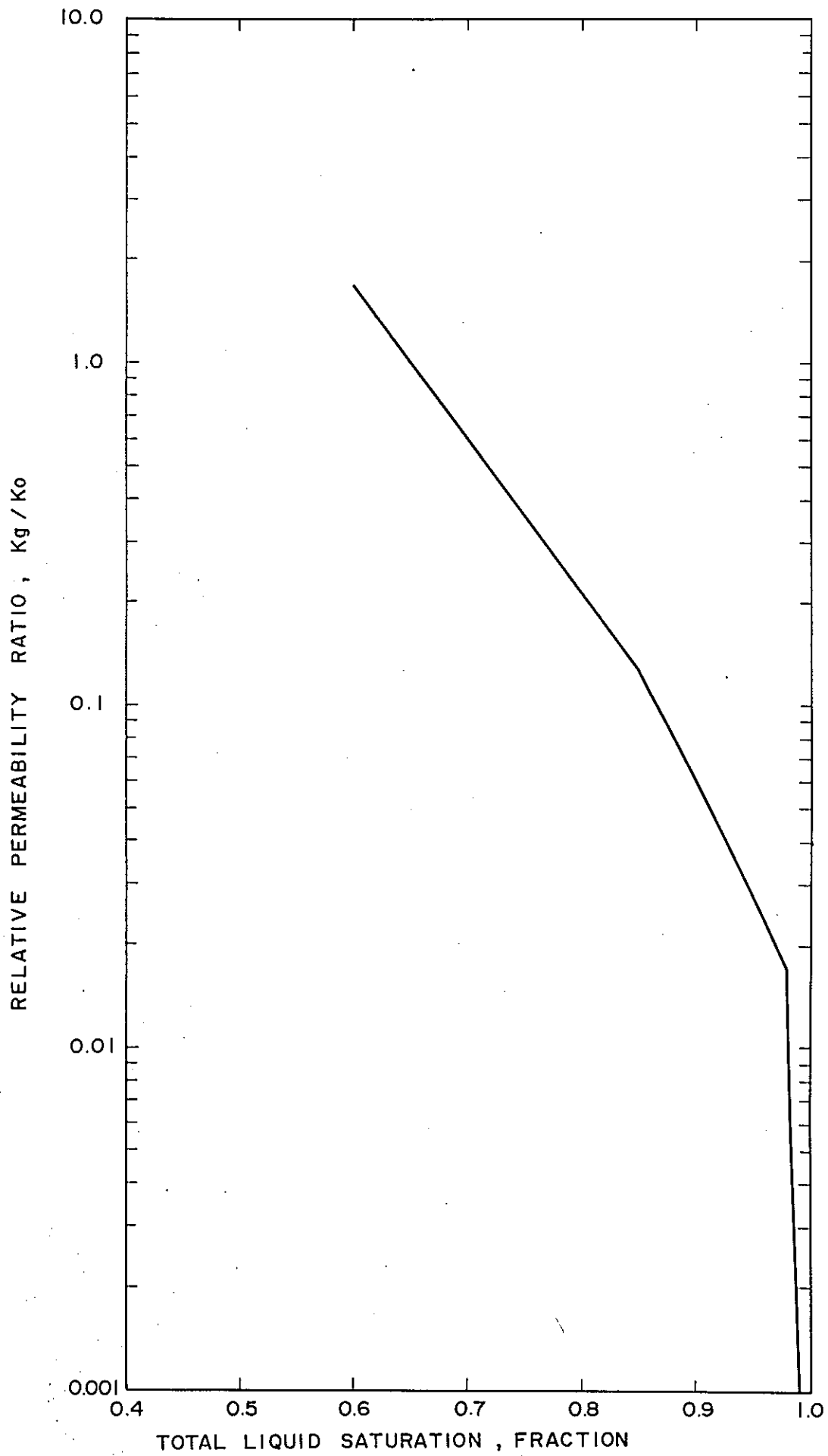


Fig. 1-3-29 GAS-OIL RELATIVE PERMEABILITY RATIO OF F1 ZONE, BARONIA FIELD
Vol. IV

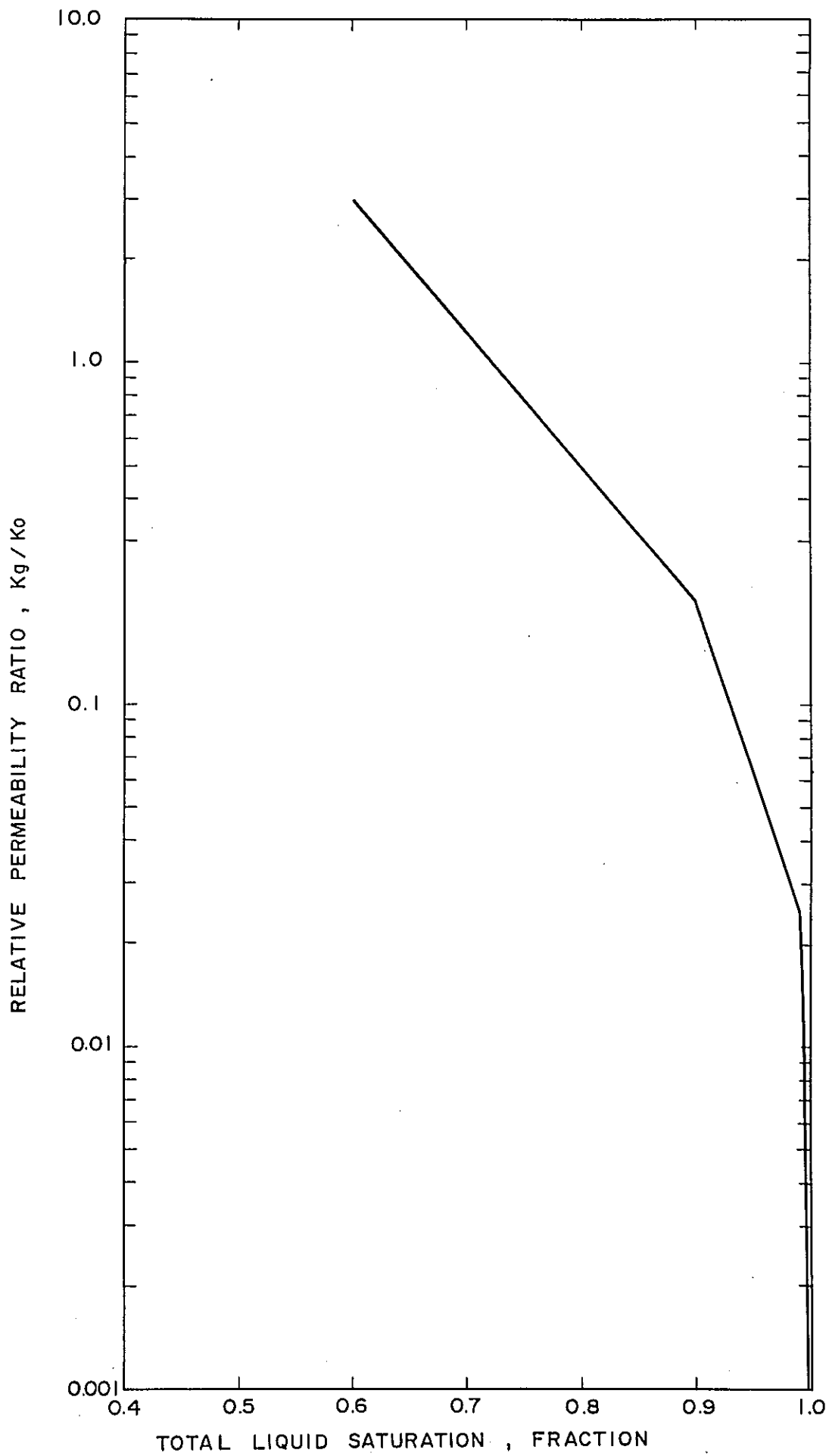


Fig. 1-3-30 GAS-OIL RELATIVE PERMEABILITY RATIO OF F2 ZONE, BARONIA FIELD
Vol. IV

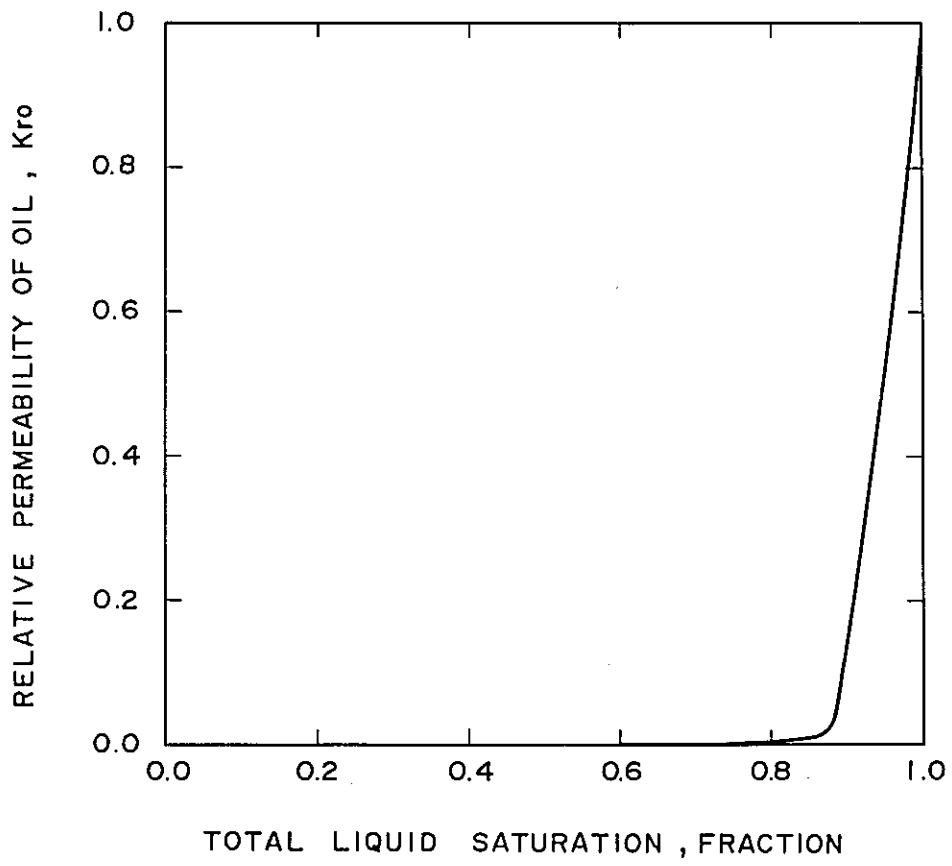


Fig. 1-3-31 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV D ZONE, BARONIA FIELD

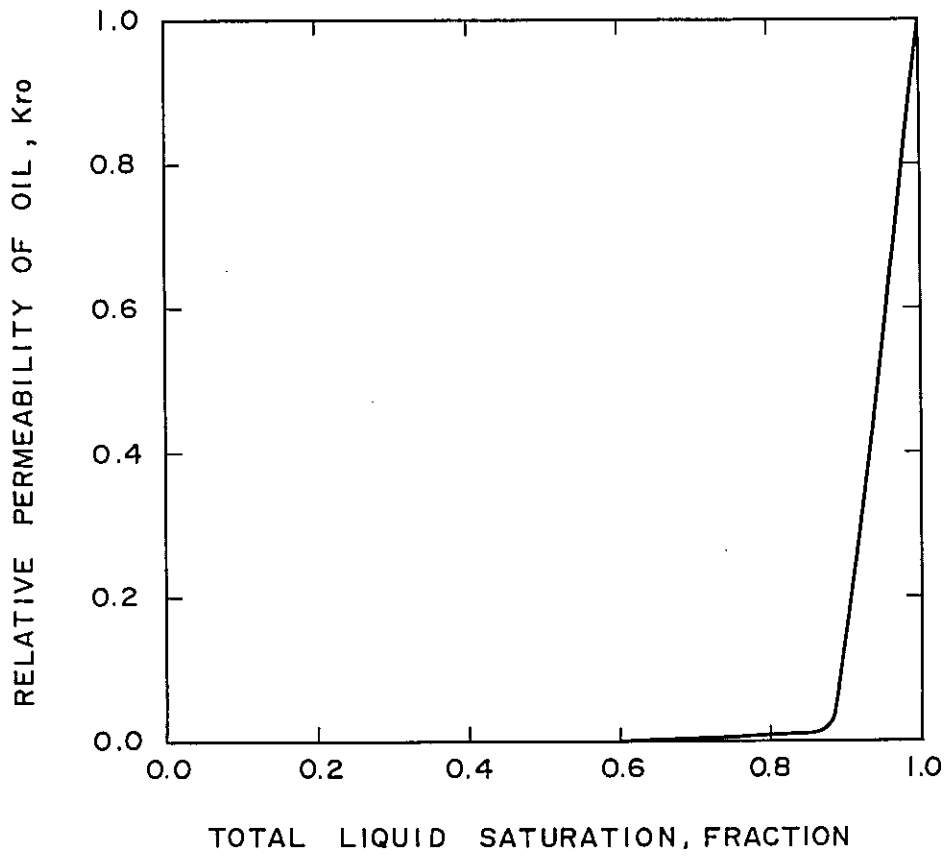


Fig. 1-3-32 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV E ZONE, BARONIA FIELD

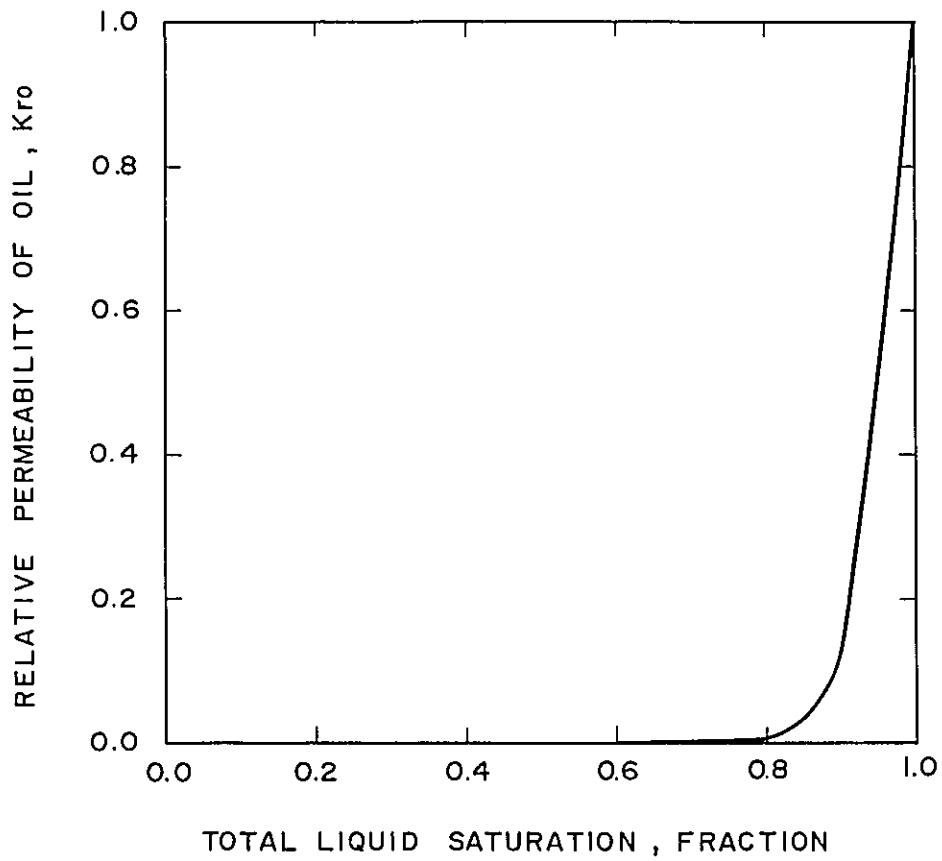


Fig. 1-3-33 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV F1 ZONE, BARONIA FIELD

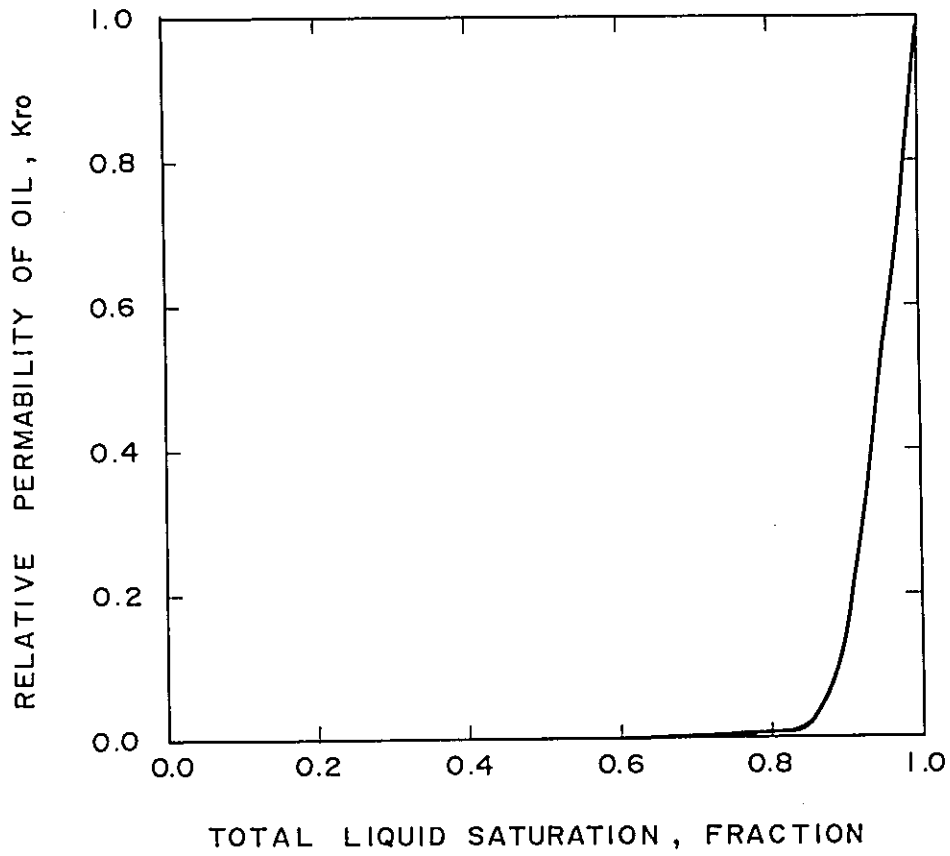


Fig. 1-3-34 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV F2 ZONE, BARONIA FIELD

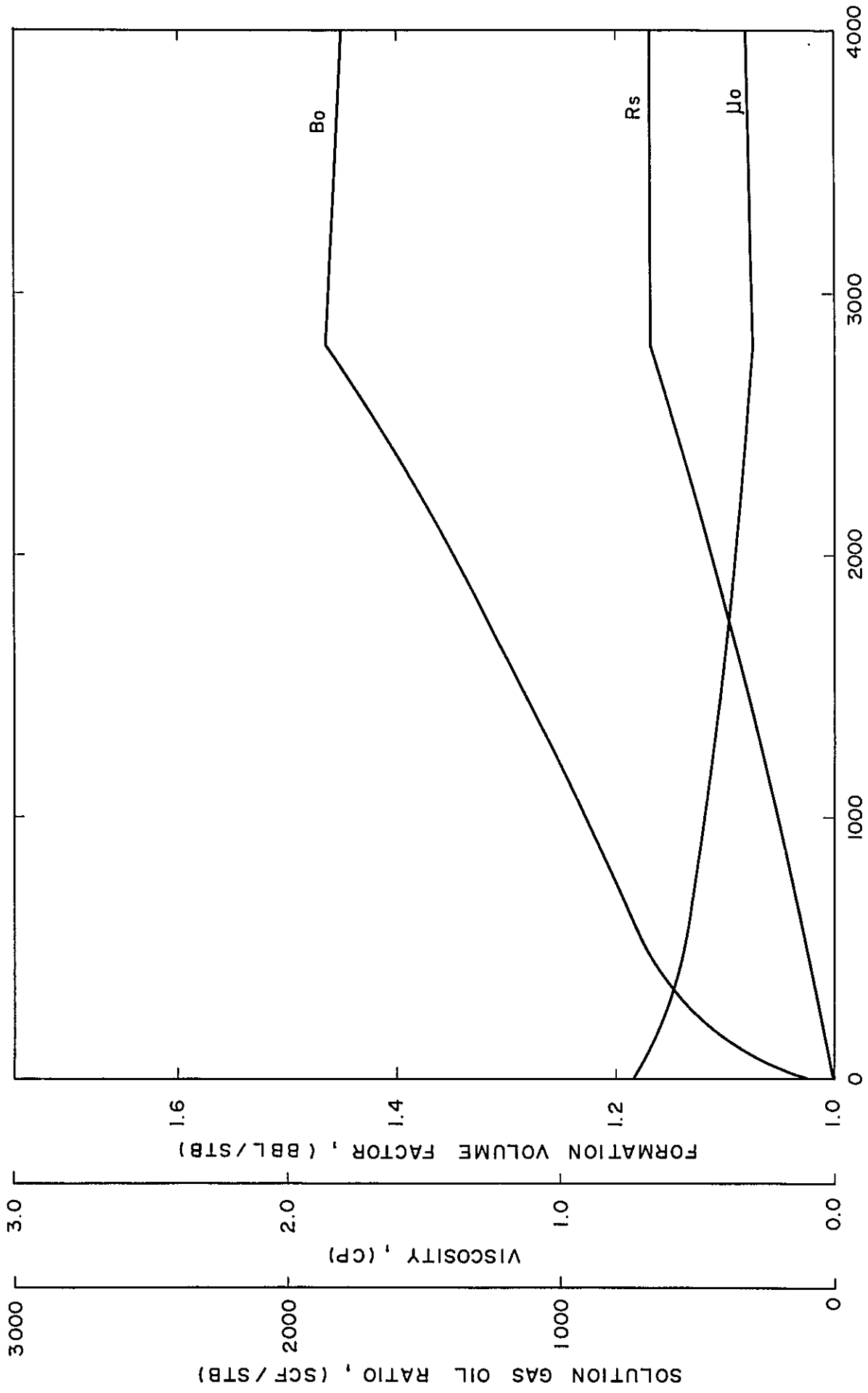


Fig. 1-3-35 OIL PROPERTIES OF A ZONE, BARONIA FIELD
Vol. IV

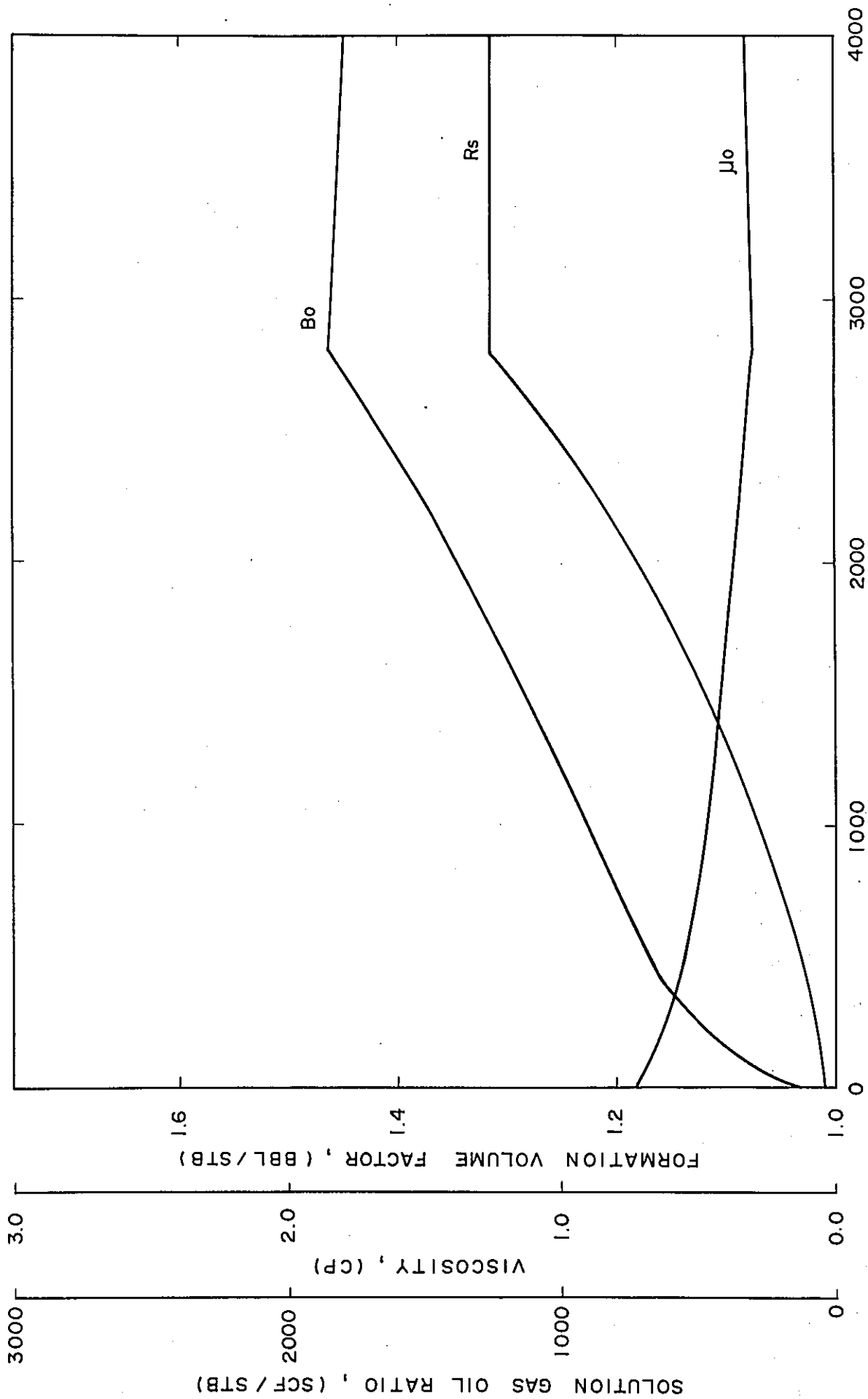


Fig. I-3-36 OIL PROPERTIES OF C ZONE, BARONIA FIELD
Vol. IV

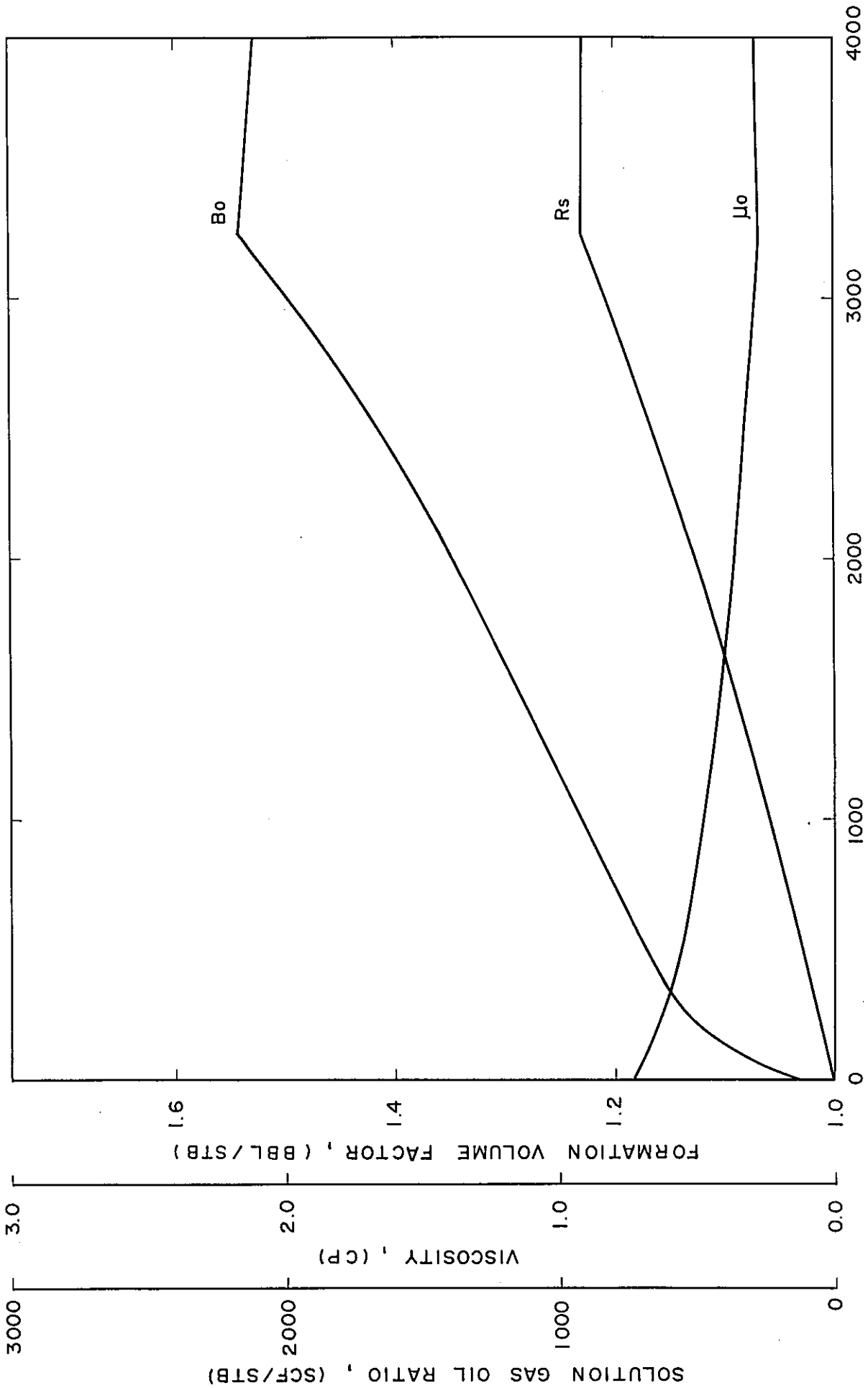


Fig. 1-3-37 OIL PROPERTIES OF D ZONE, BARONIA FIELD
Vol. IV

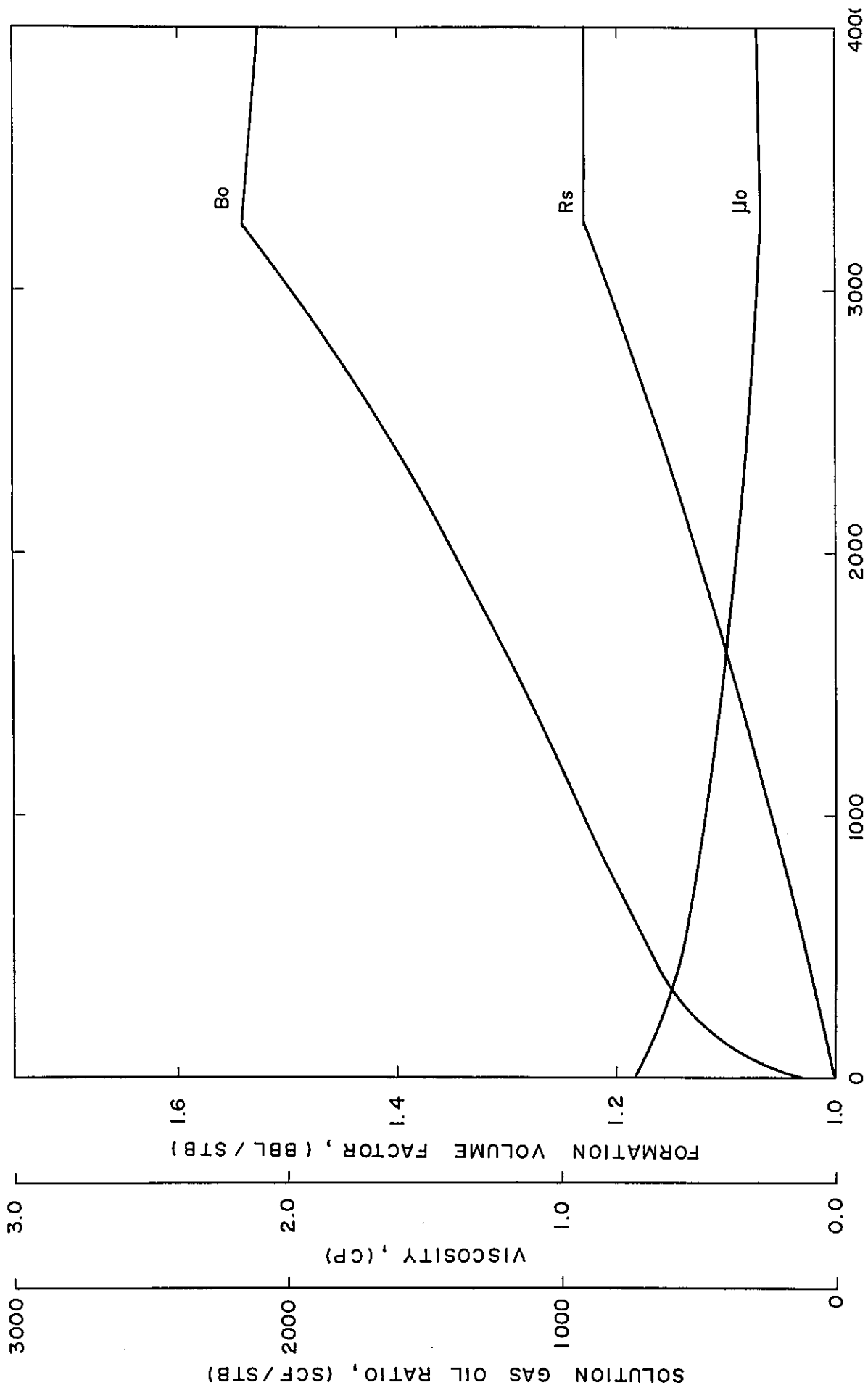


Fig. 1-3-38 PROPERTIES OF E ZONE, BARONIA FIELD
Vol. IV

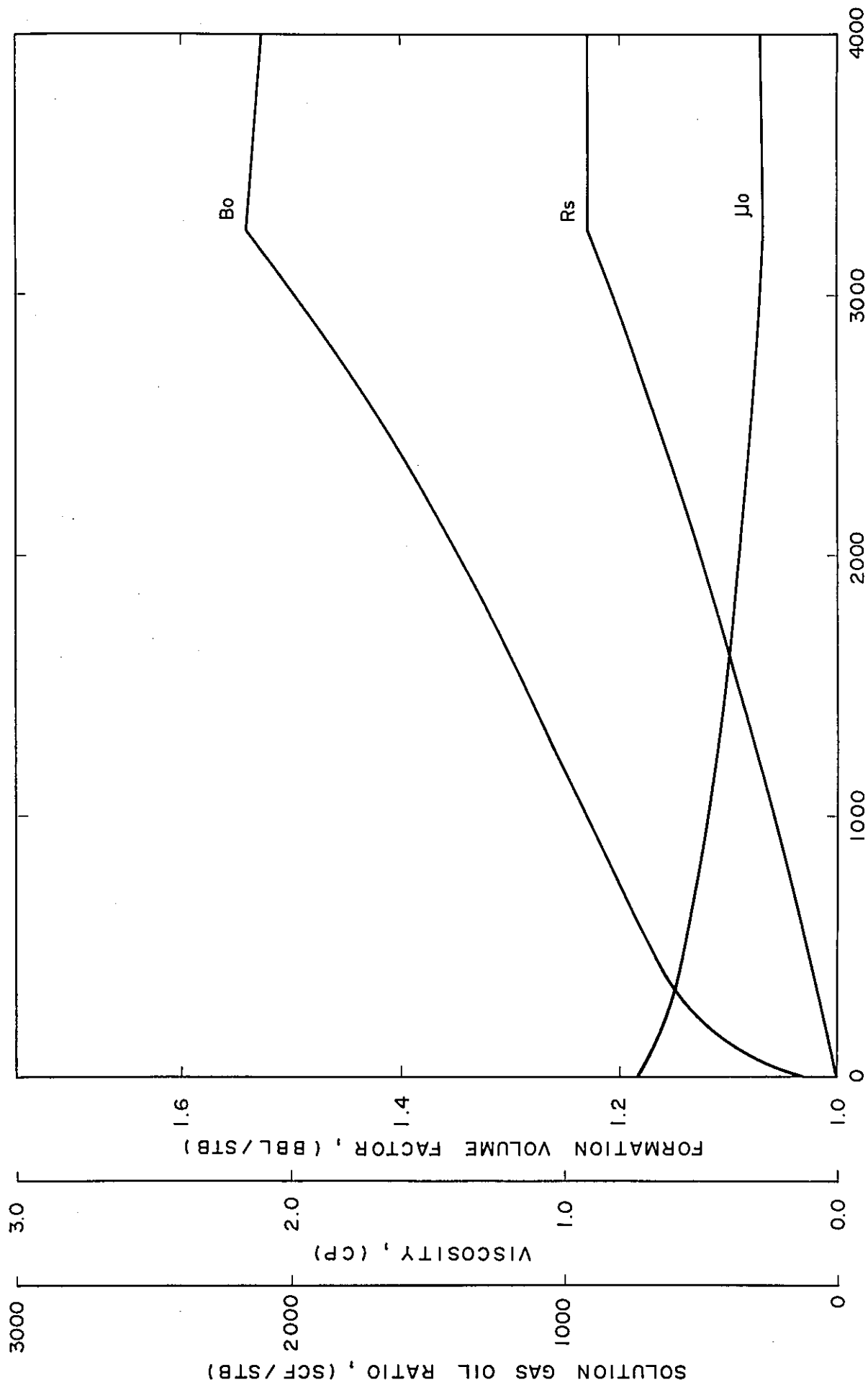


Fig. 1-3-39 OIL PROPERTIES OF FI ZONE, BARONIA FIELD
Vol. IV

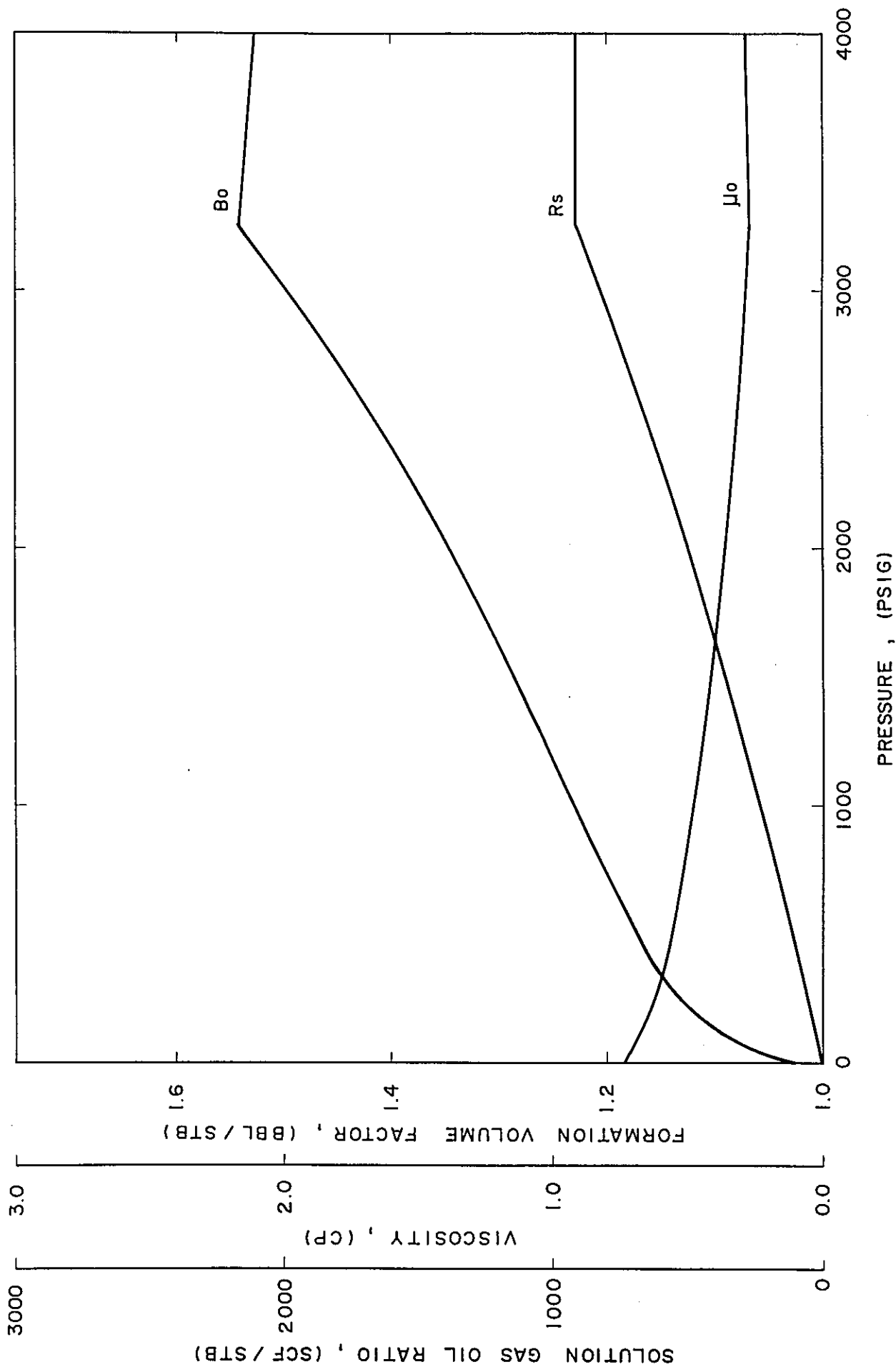


Fig. 1-3-40 OIL PROPERTIES OF F2 ZONE, BARONIA FIELD
Vol. IV

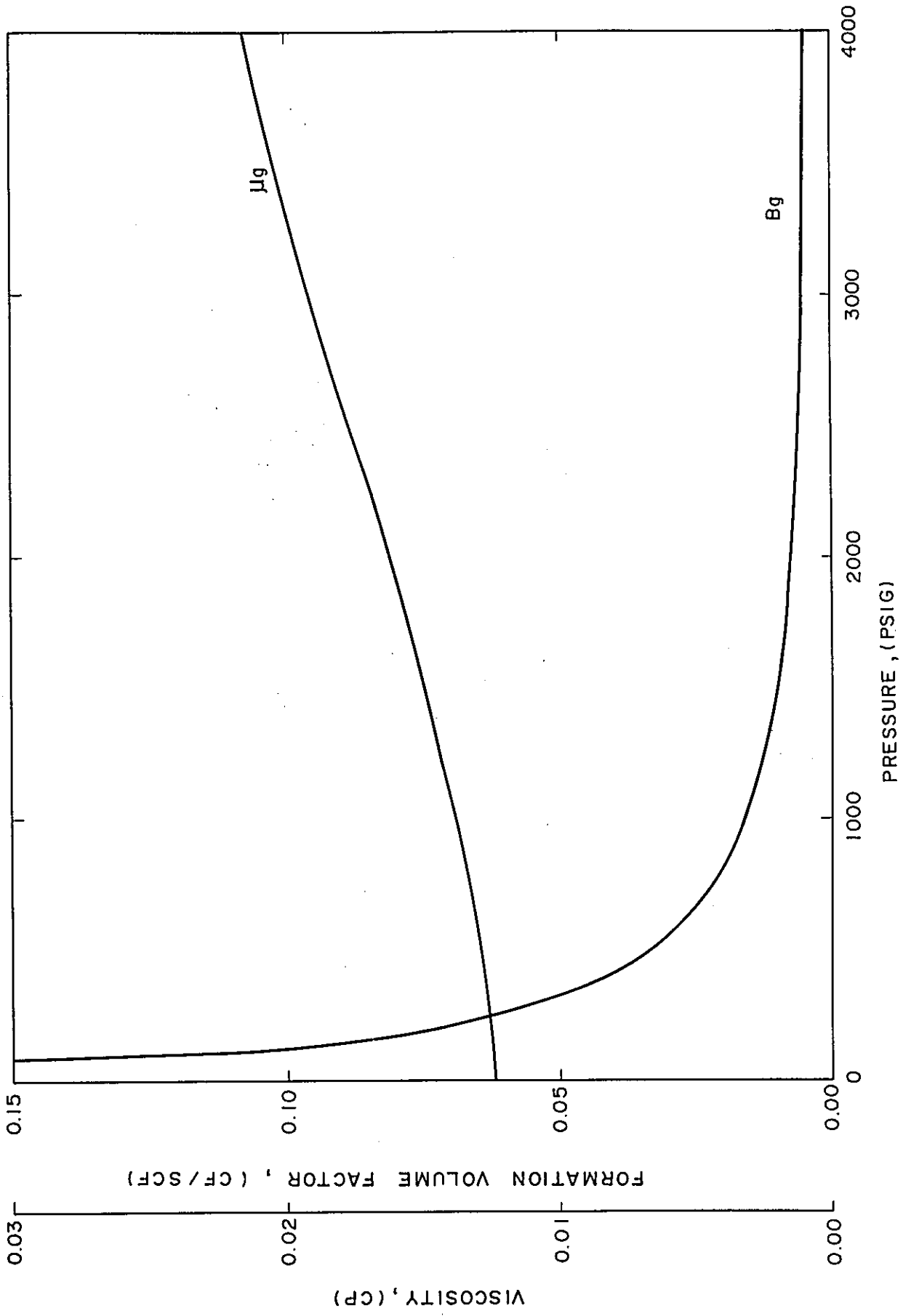


Fig. 1-41 GAS PROPERTIES OF A ZONE, BARONIA FIELD
Vol. IV

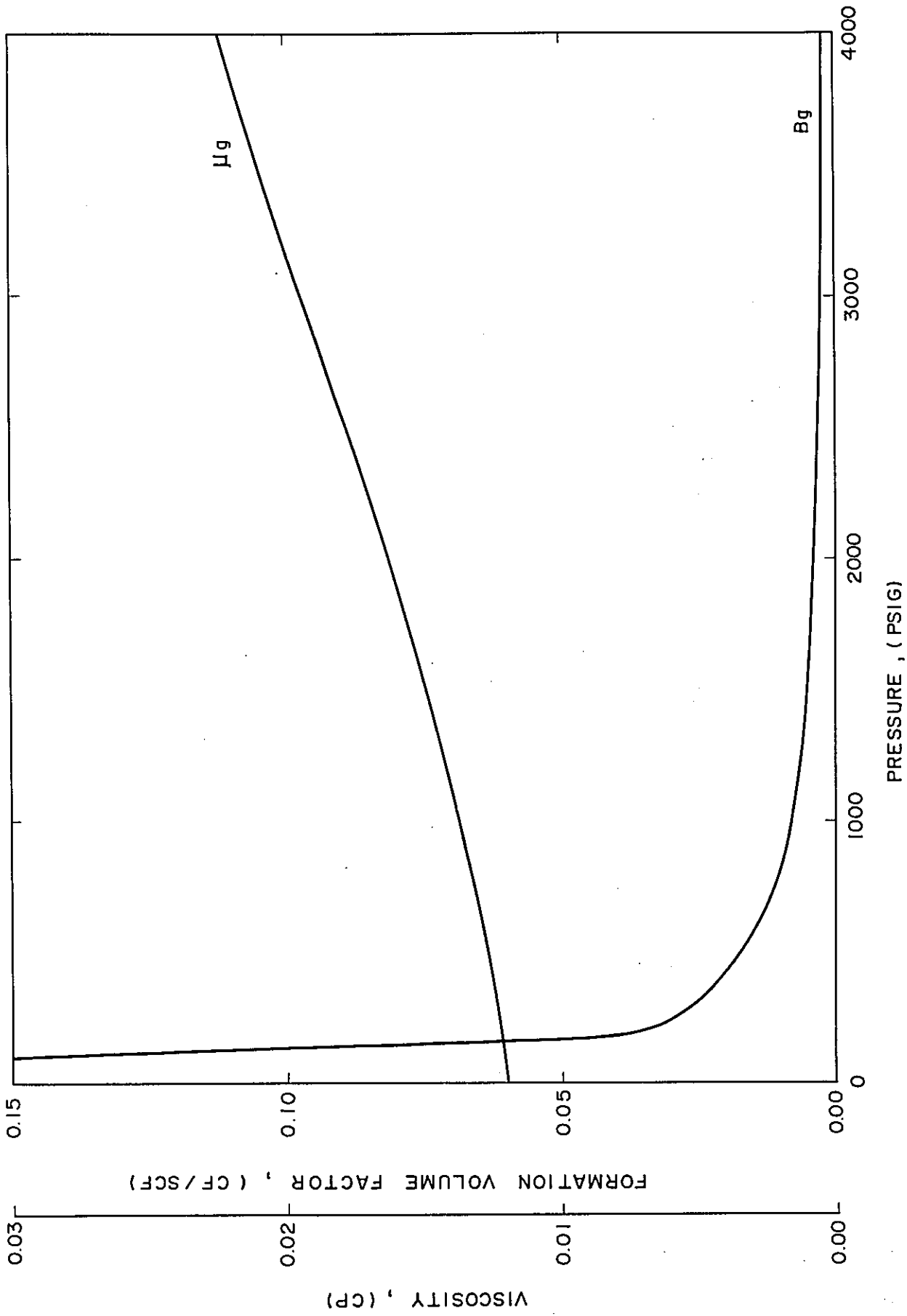


Fig. 1-3-42 GAS PROPERTIES OF C ZONE, BARONIA FIELD
Vol. IV

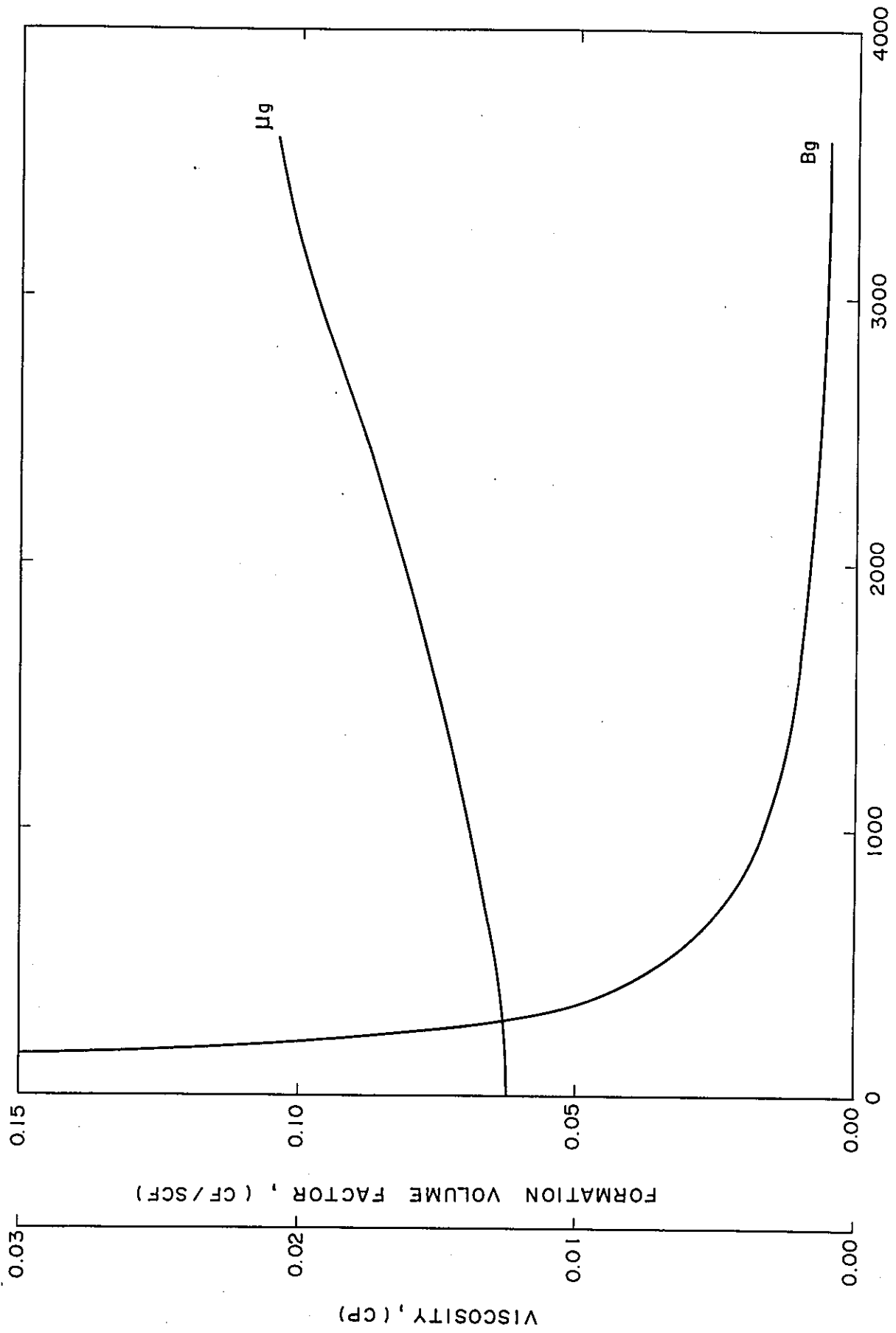


Fig. 1-3-43 GAS PROPERTIES OF D ZONE, BARONIA FIELD
Vol. IV

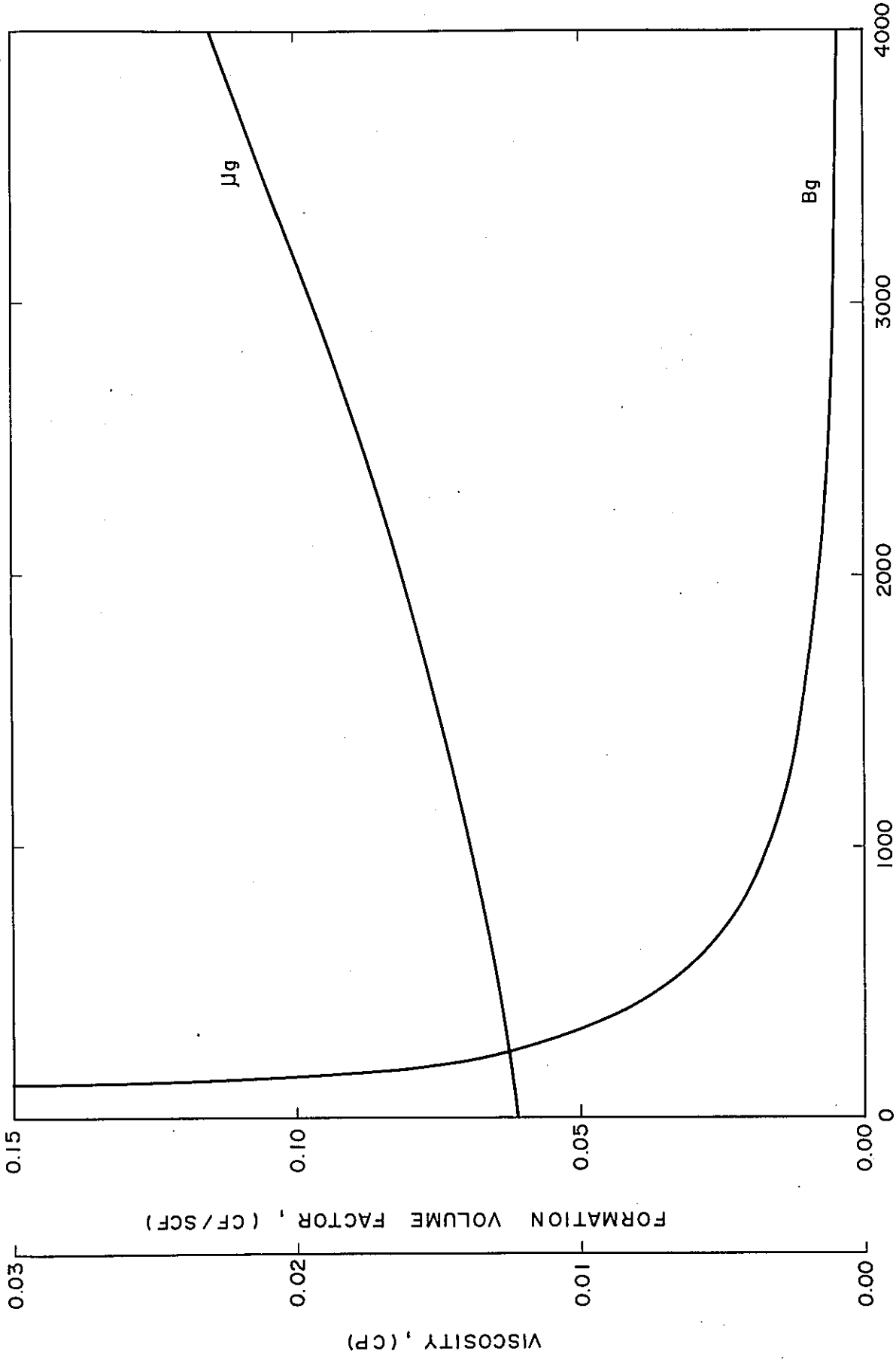


Fig. 1-3-44 GAS PROPERTIES OF E ZONE, BARONIA FIELD
Vol. IV

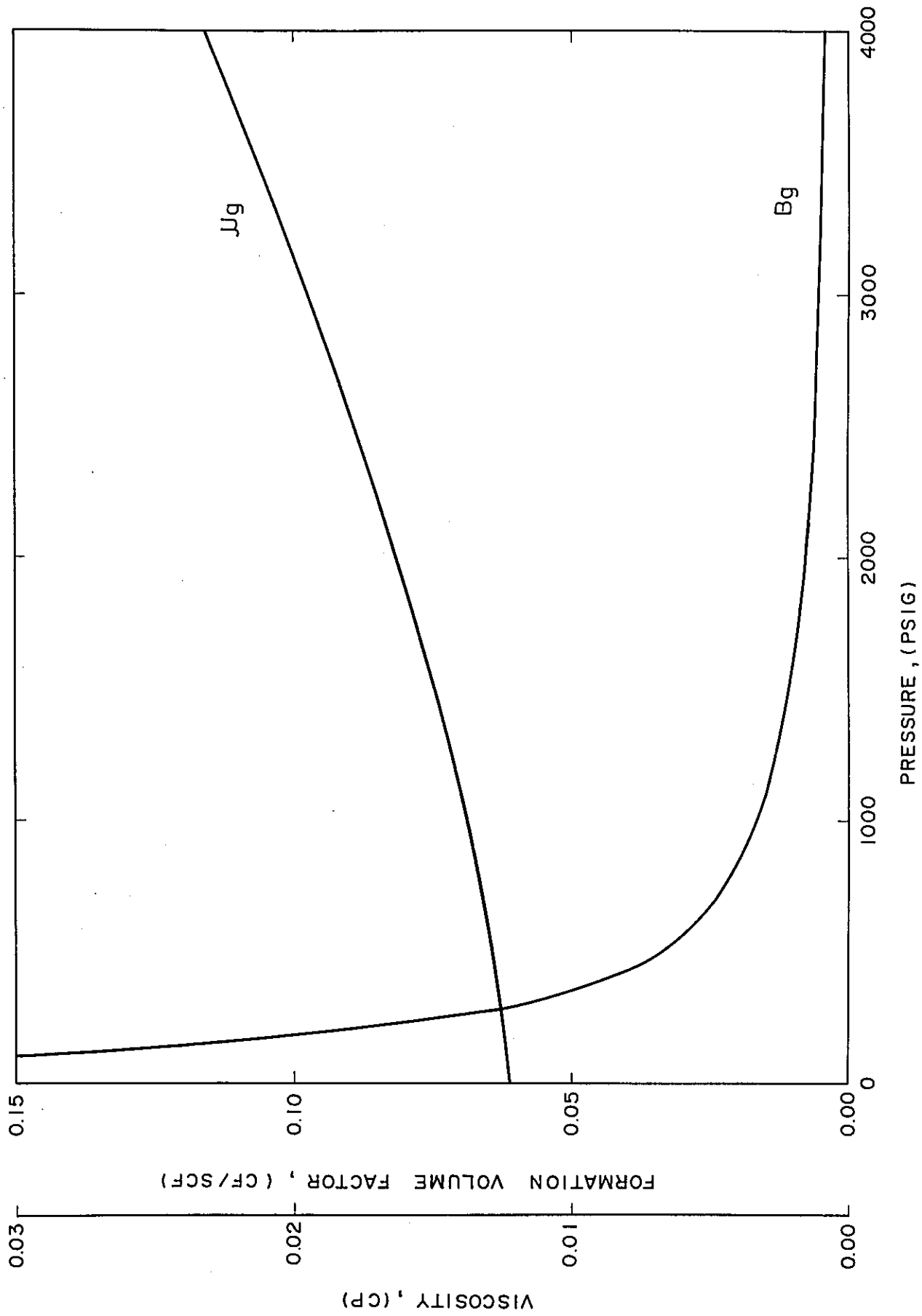


Fig. 1-3-45 GAS PROPERTIES OF FL ZONE, BARONIA FIELD
Vol. IV

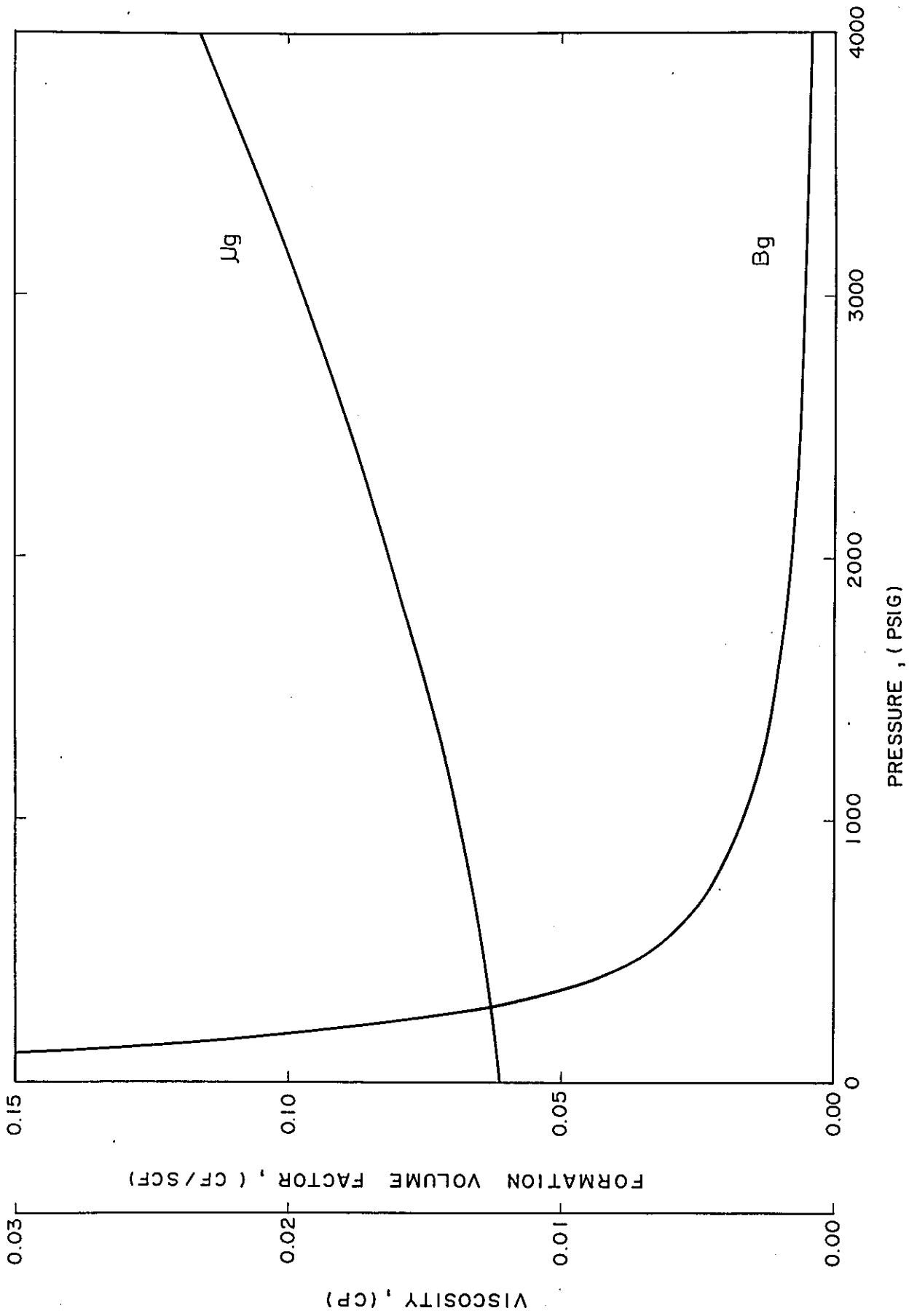


Fig. 1-3-46 GAS PROPERTIES OF F2 ZONE, BARONIA FIELD
Vol. IV

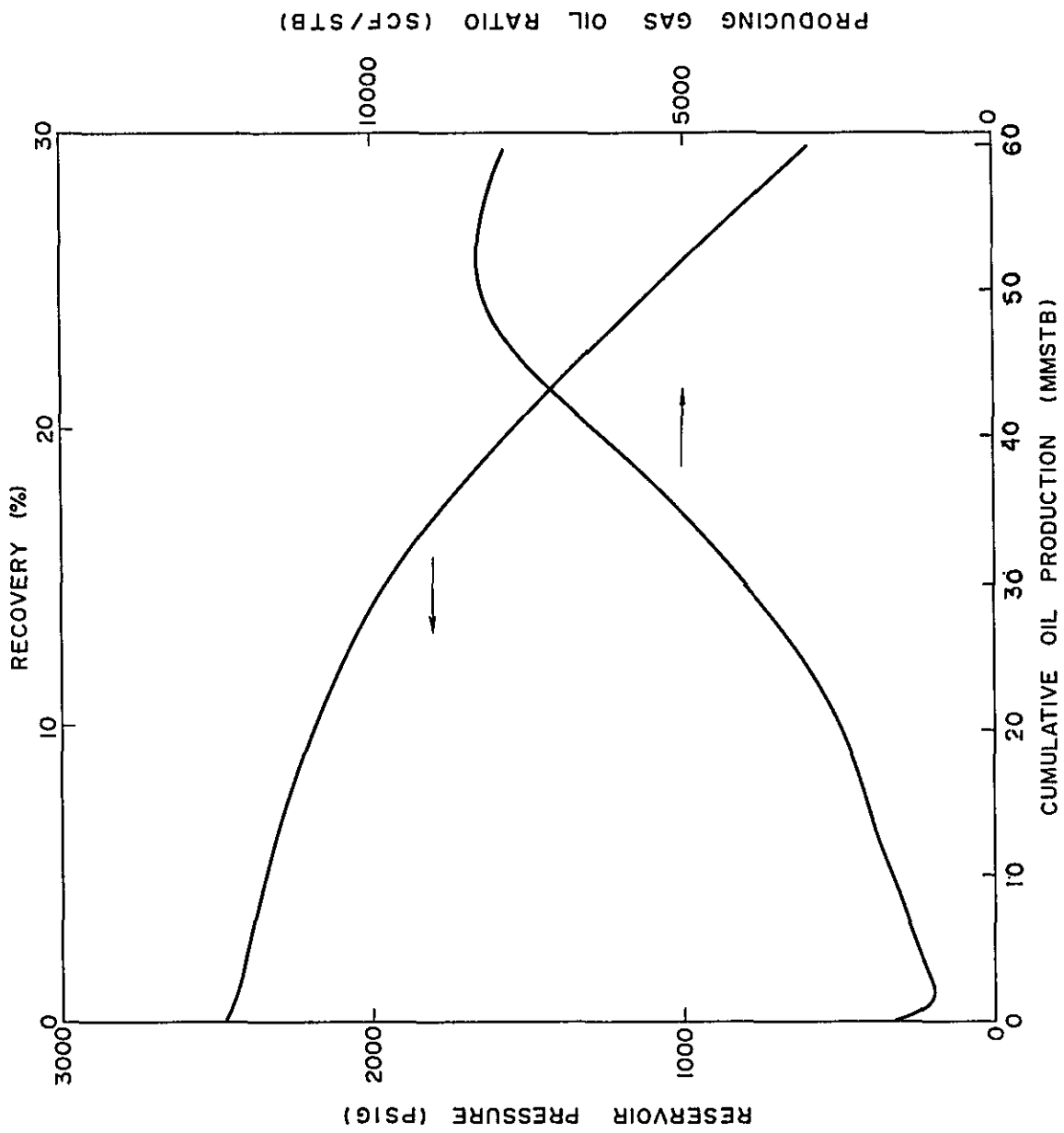


Fig. 1-3-47 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF A ZONE, BARONIA
 FIELD

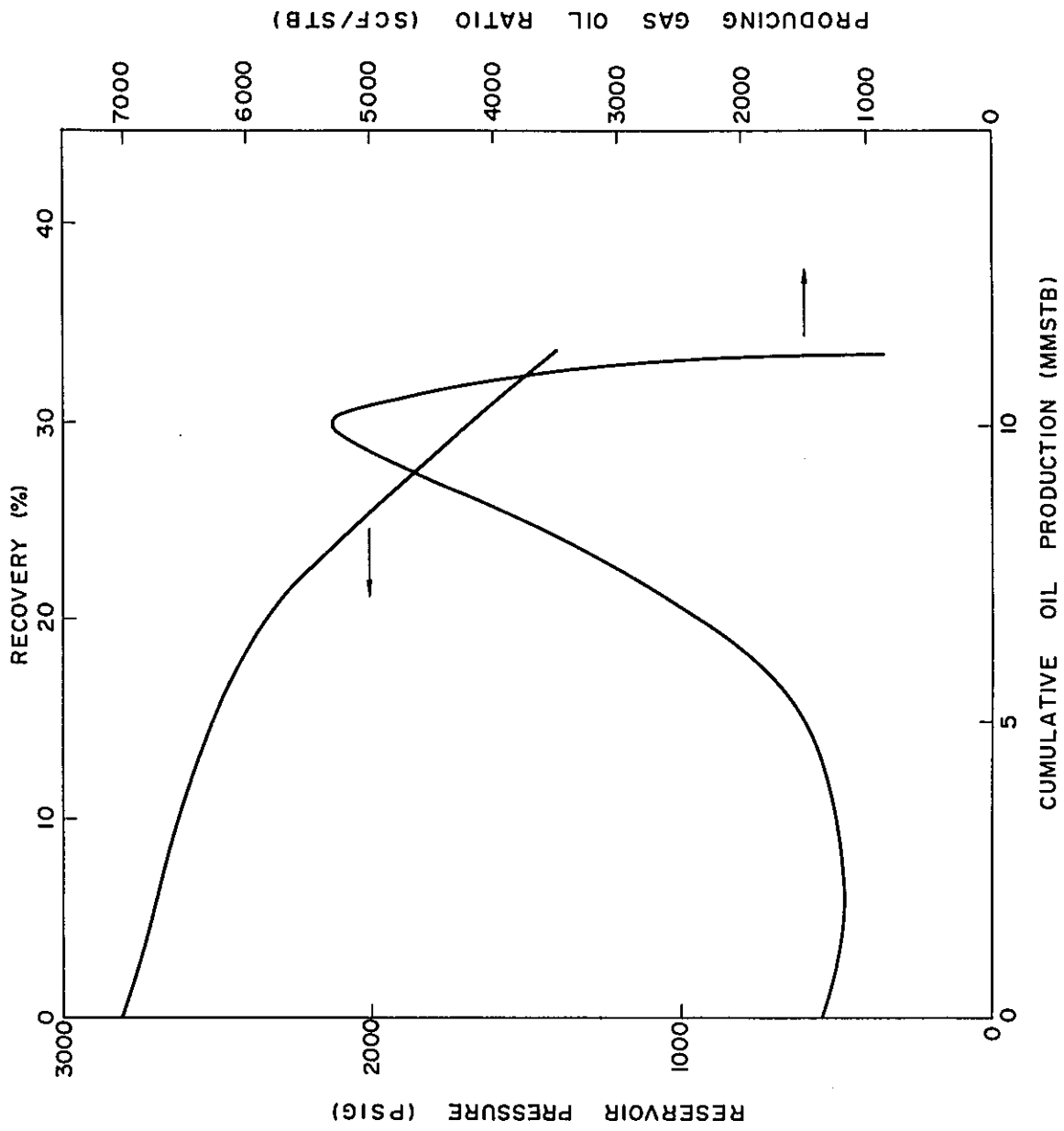


Fig. 1-3-48 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF C ZONE, BARONIA FIELD

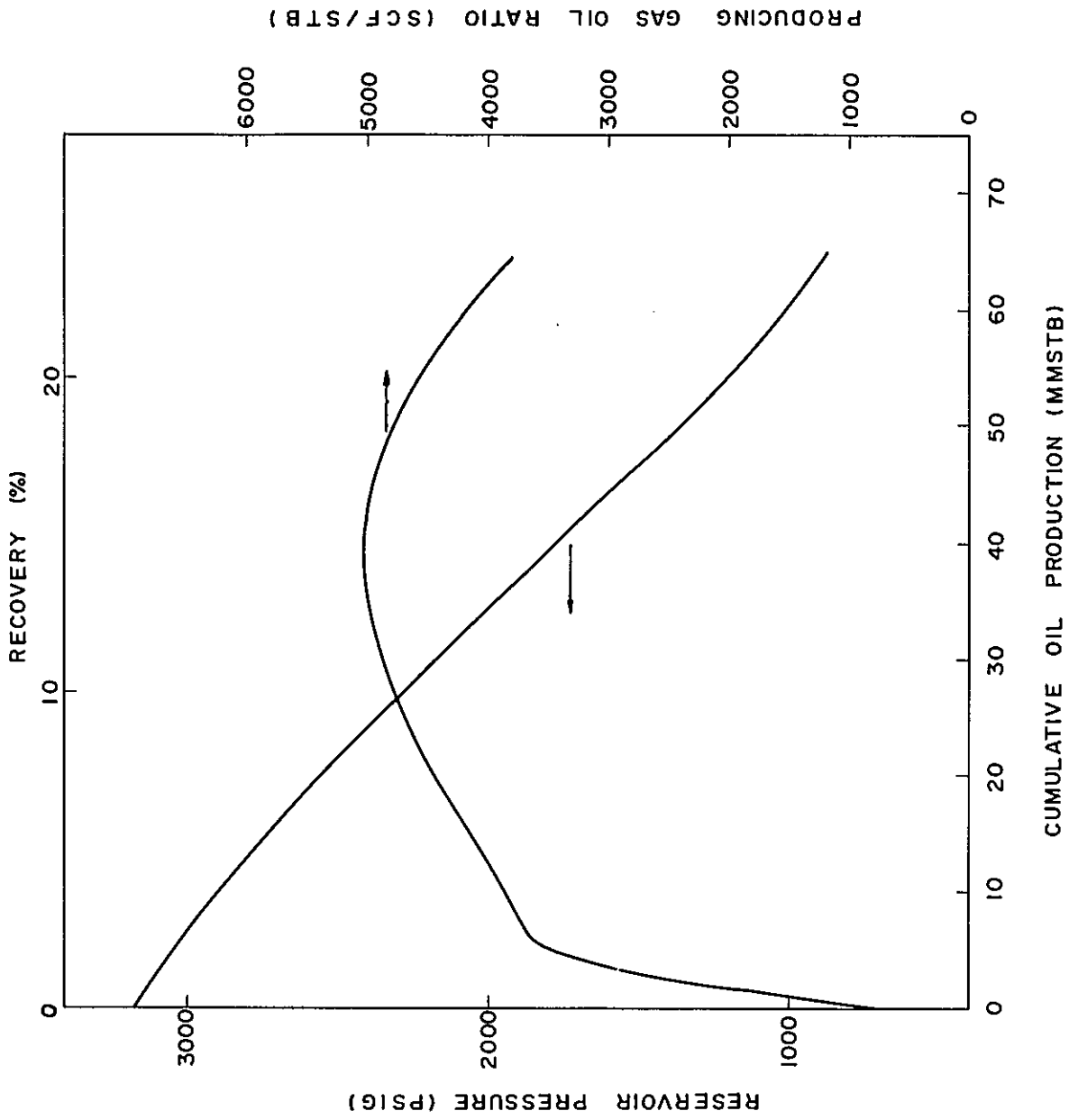


Fig. 1-3-49 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF D ZONE, BARONIA FIELD

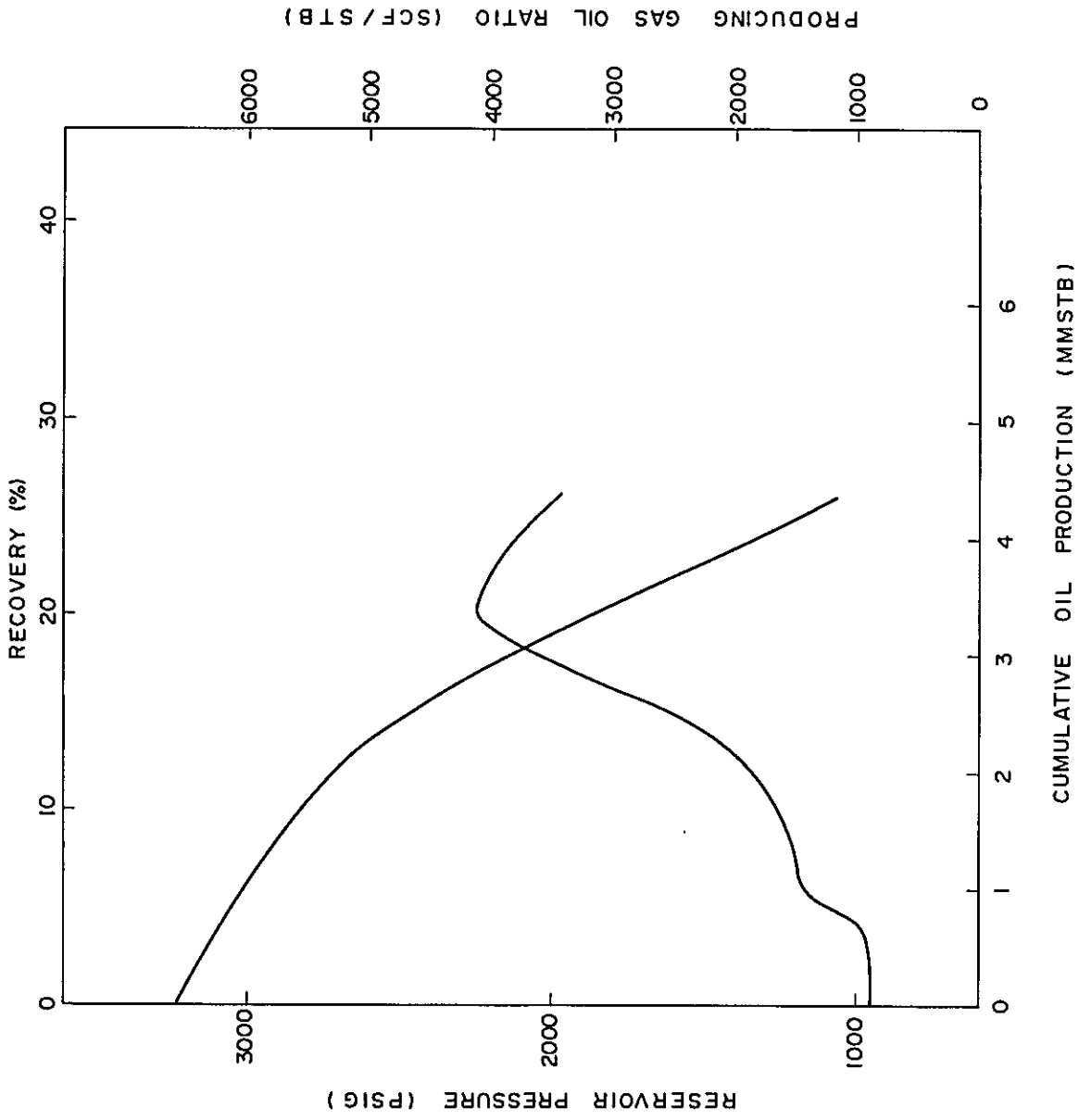


Fig. 1-3-50
 Vol. IV
 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF E ZONE, BARONIA
 FIELD

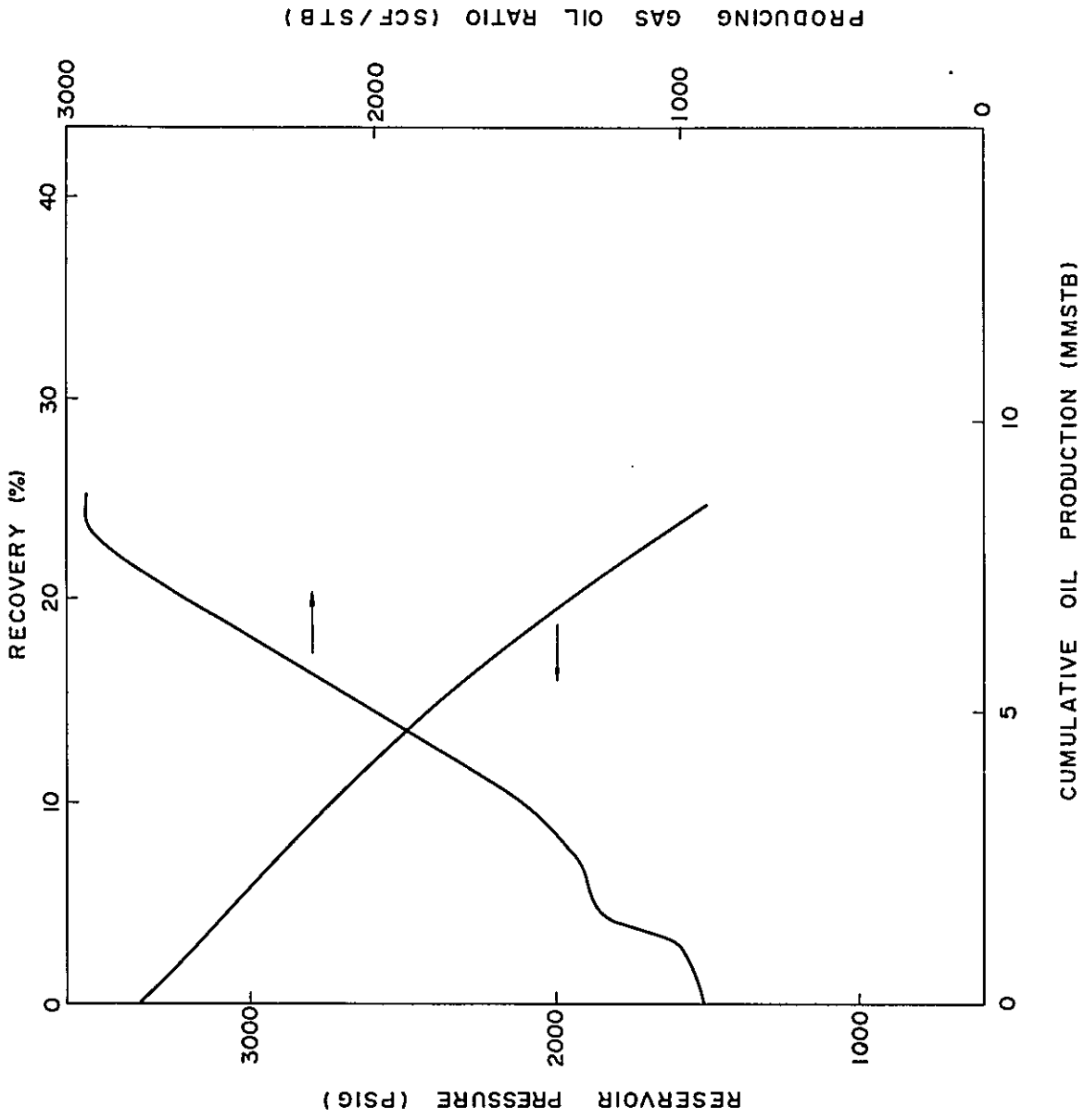


Fig. 1-3-51
 Vol. IV
 FIELD
 CUMULATIVE OIL PRODUCTION (MMSTB)
 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF F1 ZONE, BARONIA

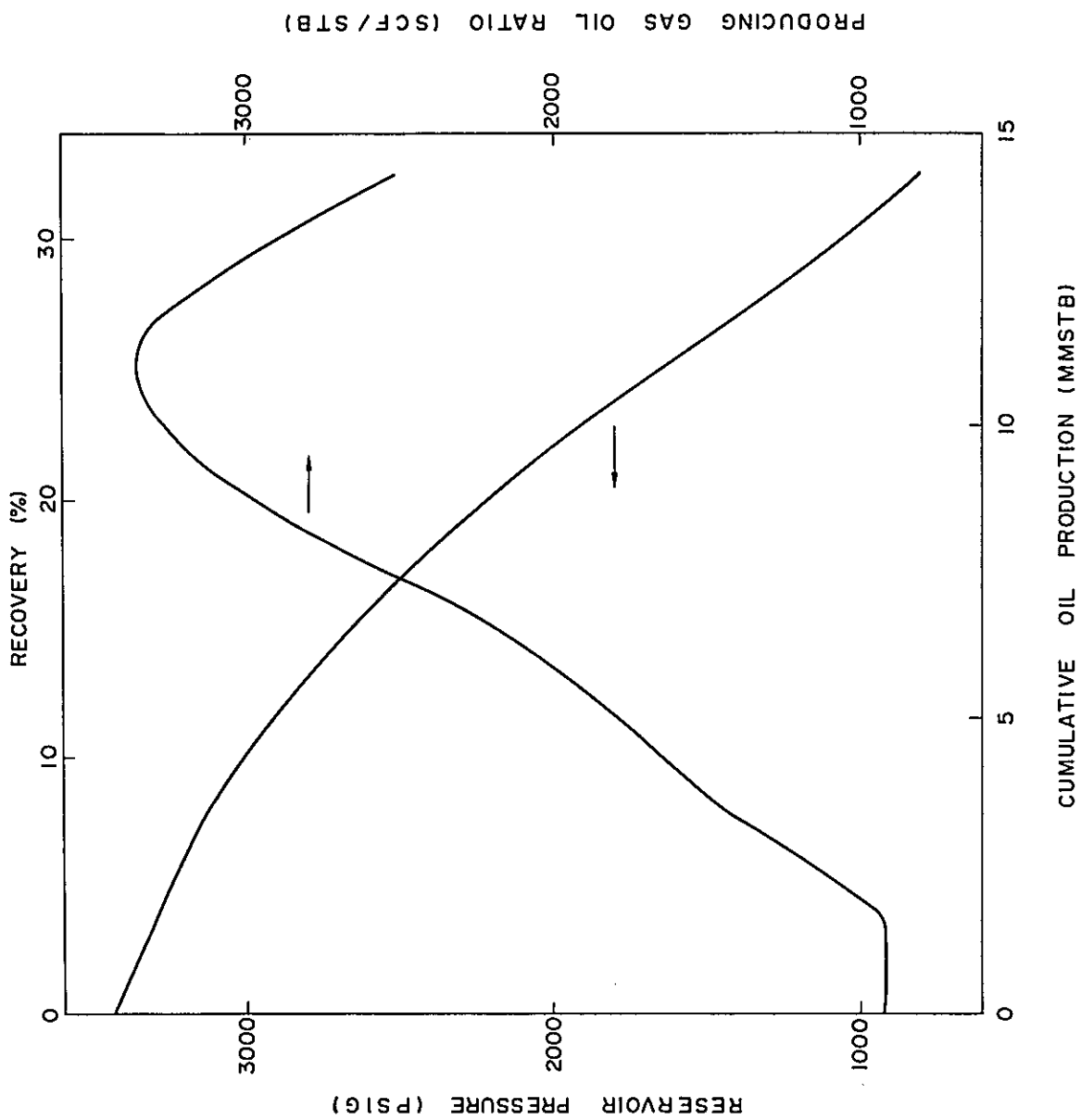


Fig. 1-3-52 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF F2 ZONE, BARONIA
 FIELD

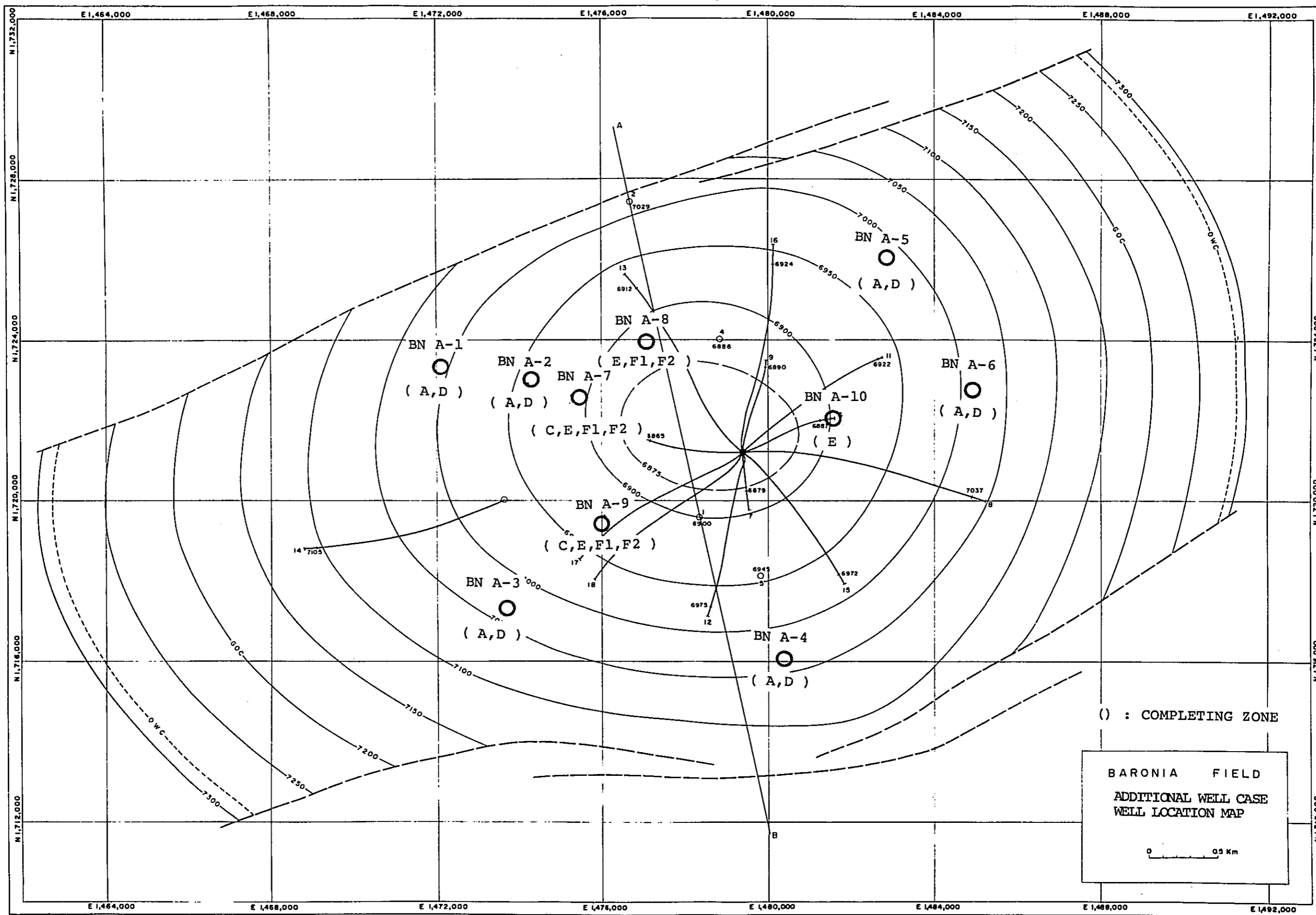


Fig. 1-3-53 ADDITIONAL WELL CASE-WELL LOCATION MAP, BARONIA FIELD
Vol. IV

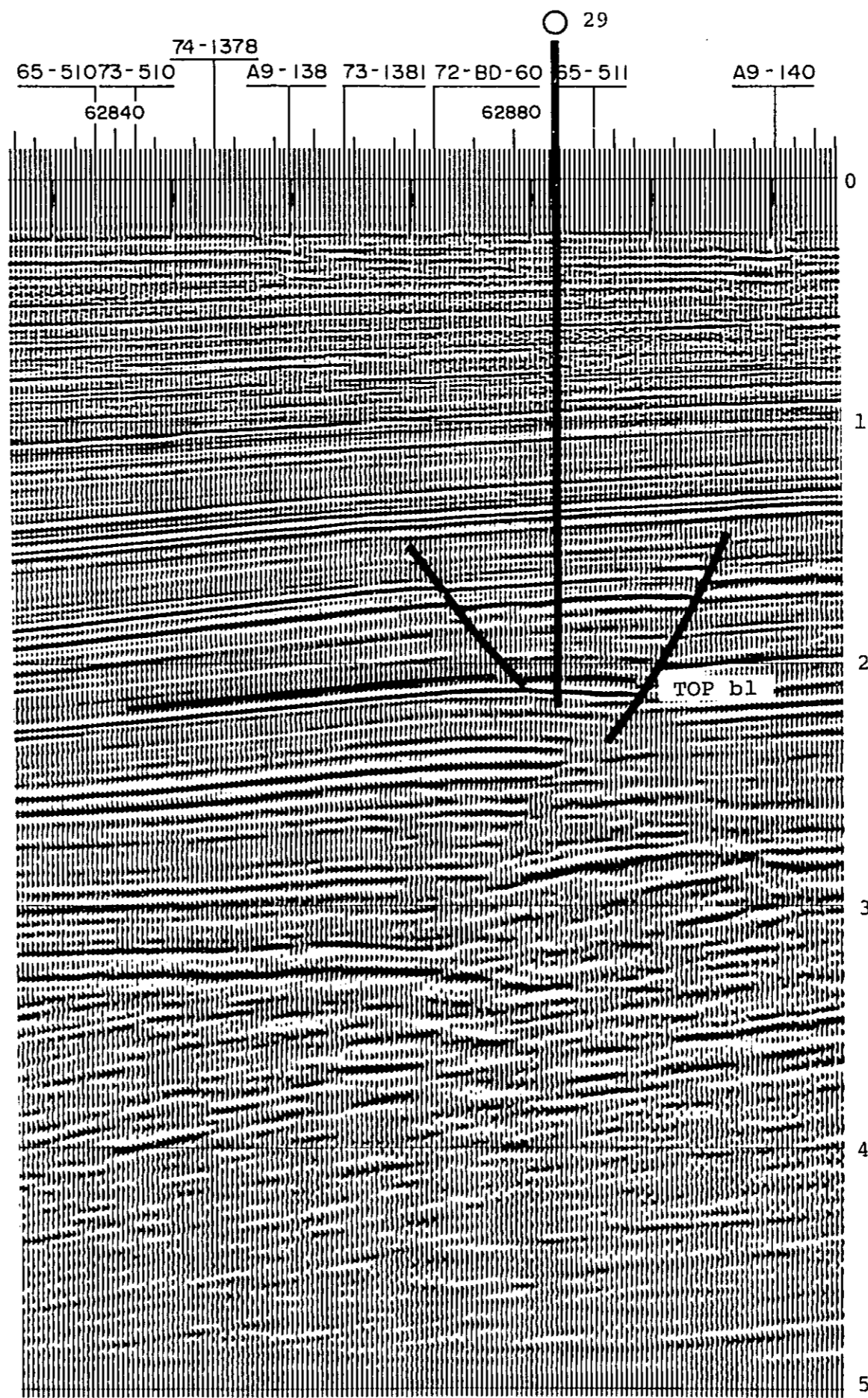


Fig. 2-1-2

Fig. 2-1-2 SEISMIC SECTION, FAIRLY-BARAM FIELD, Line 72-BD-22
Vol. IV

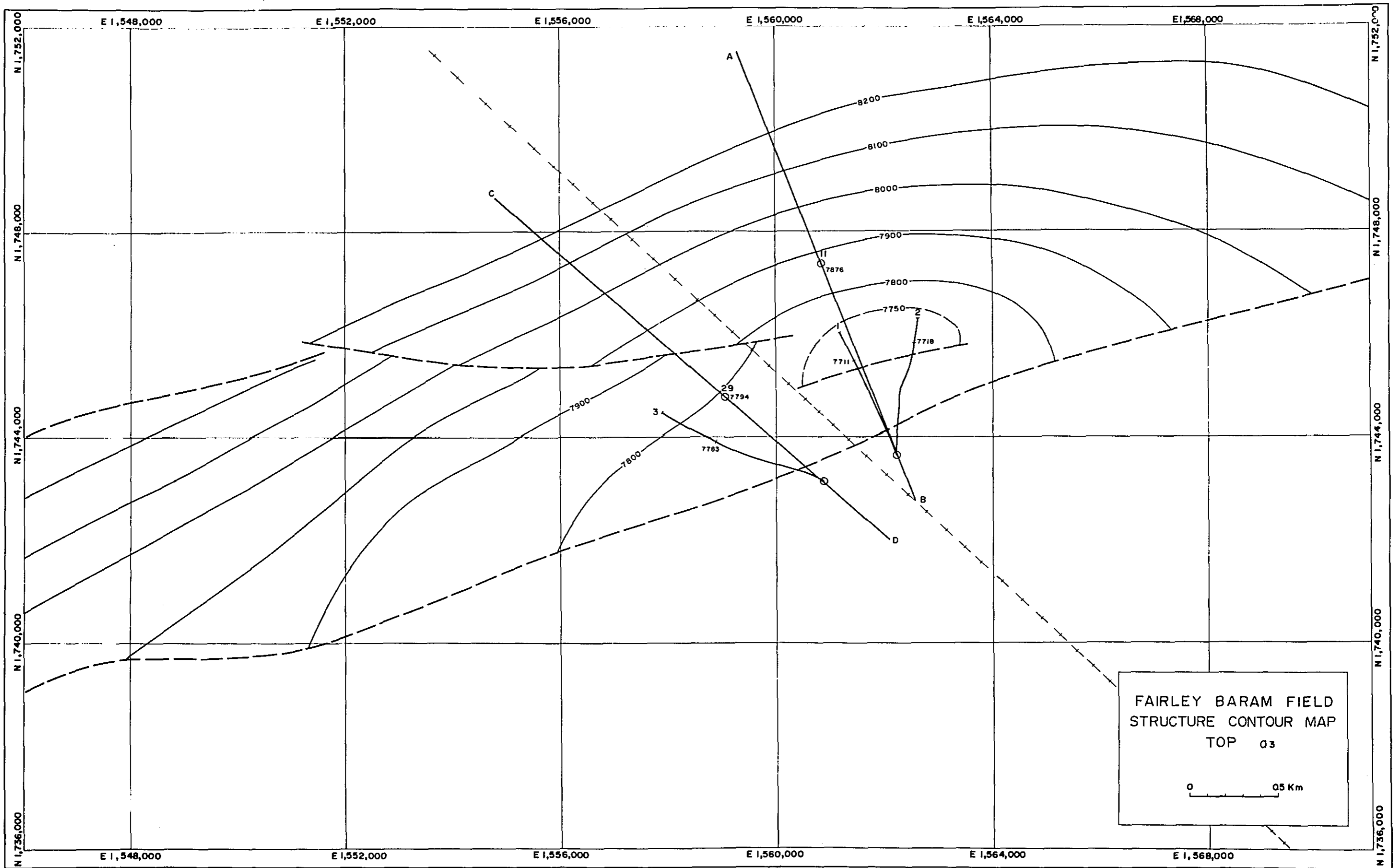


Fig. 2-2-1 STRUCTURE CONTOUR MAP, FAIRLEY-BARAM FIELD, TOP a3
Vol. IV

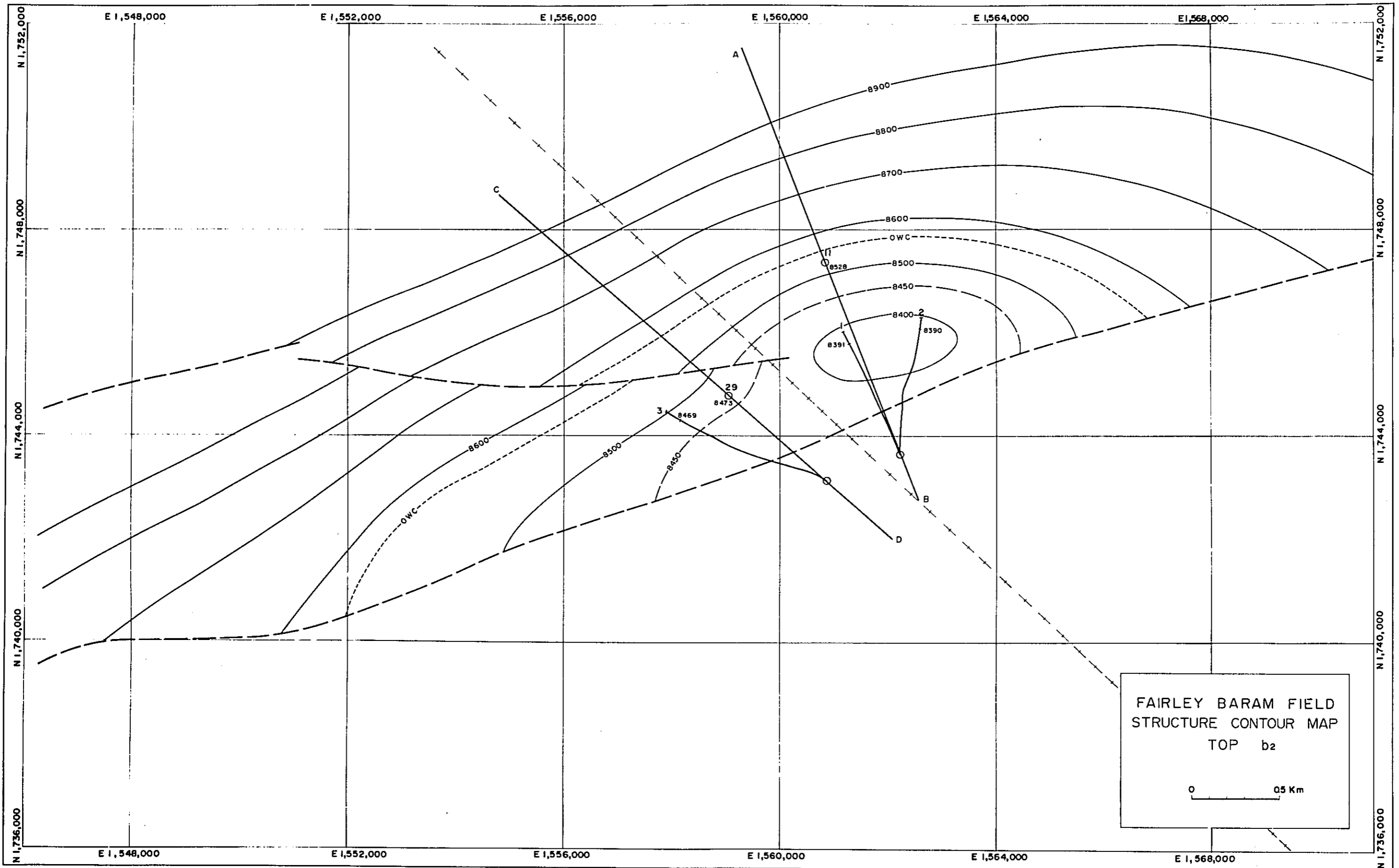


Fig. 2-2-2 STRUCTURE CONTOUR MAP, FAIRLEY-BARAM FIELD, TOP b2
Vol. IV

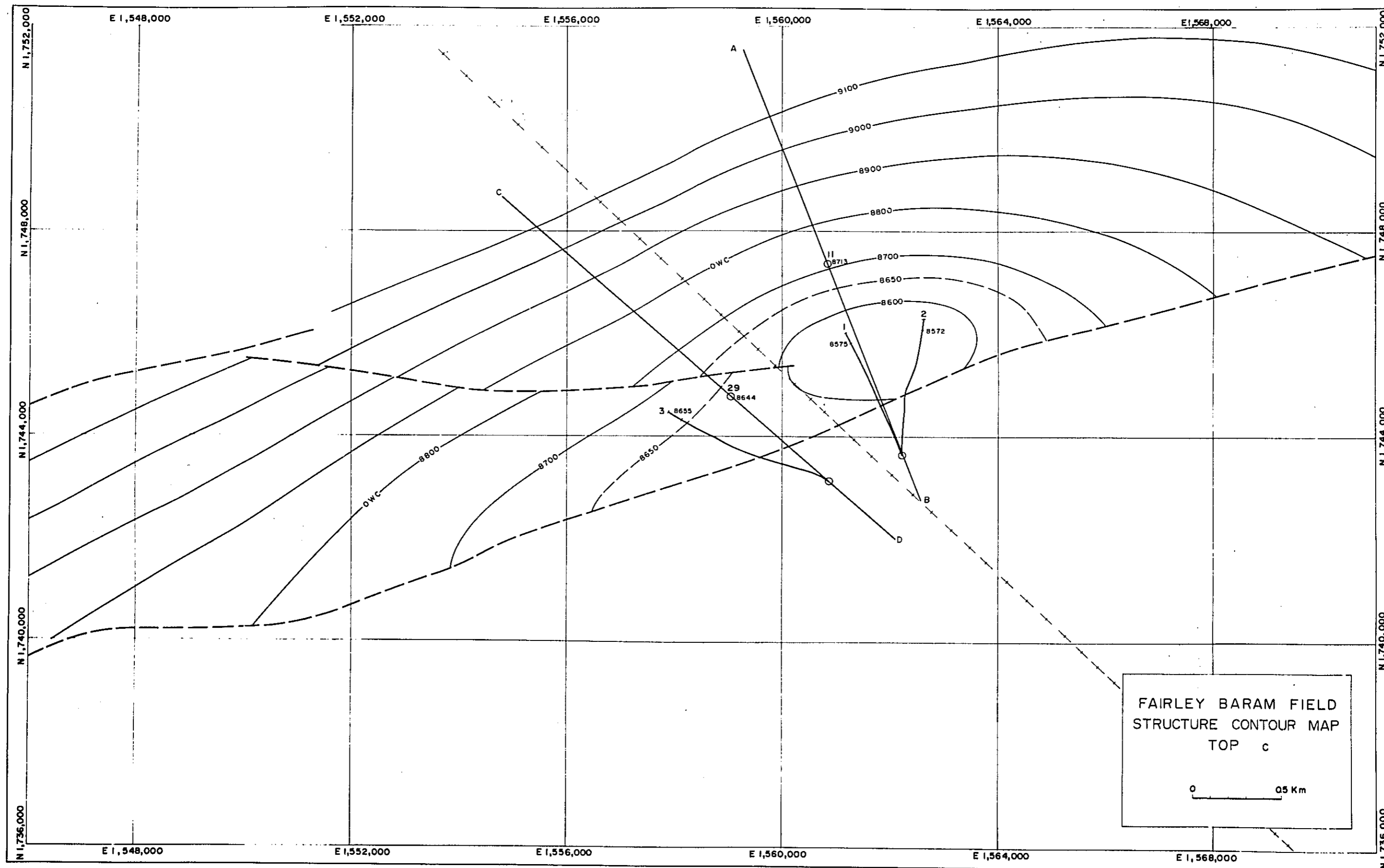


Fig. 2-2-3
Vol. IV

STRUCTURE CONTOUR MAP, FAIRLEY-BARAM FIELD, TOP c

STRUCTURAL CROSS-SECTIONS
FAIRLEY-BARAM FIELD

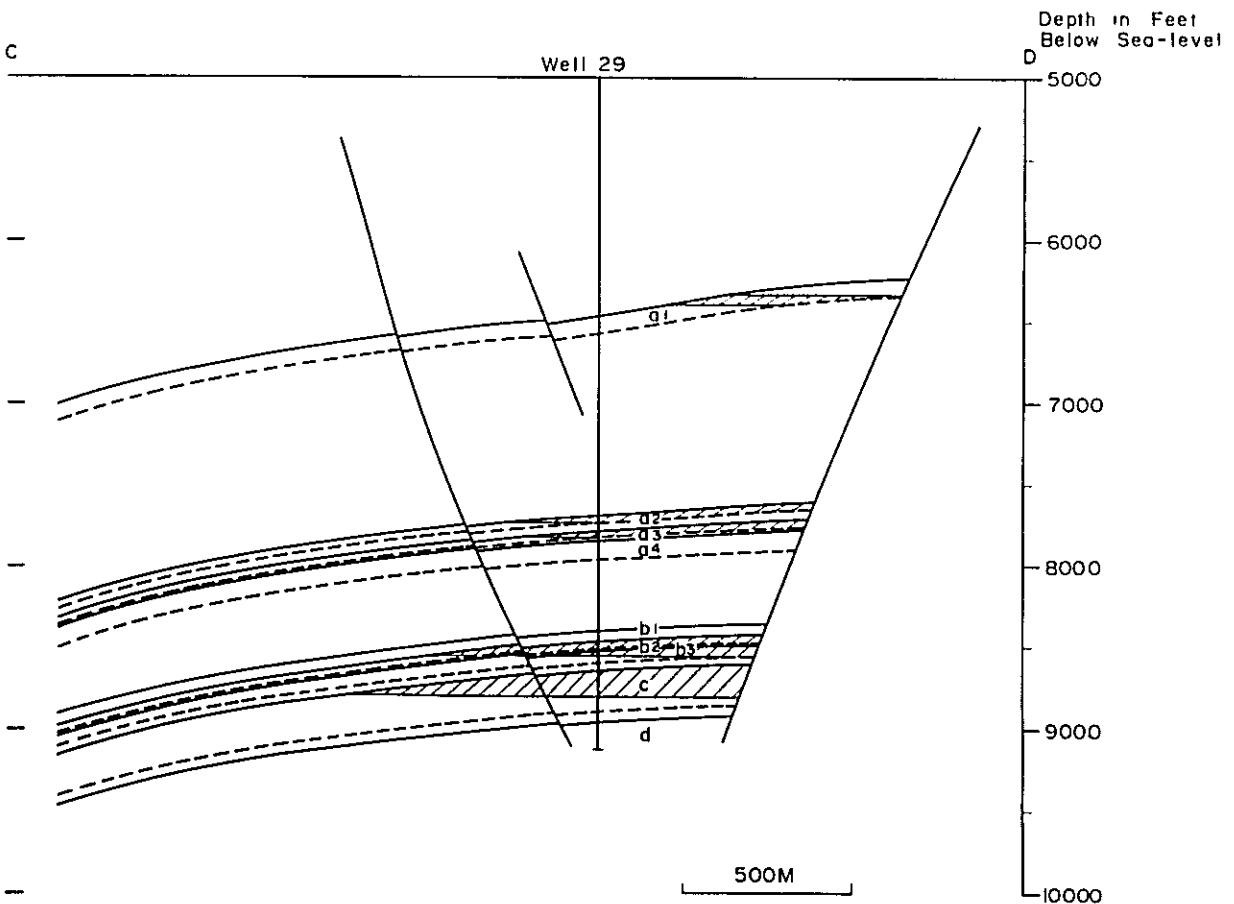
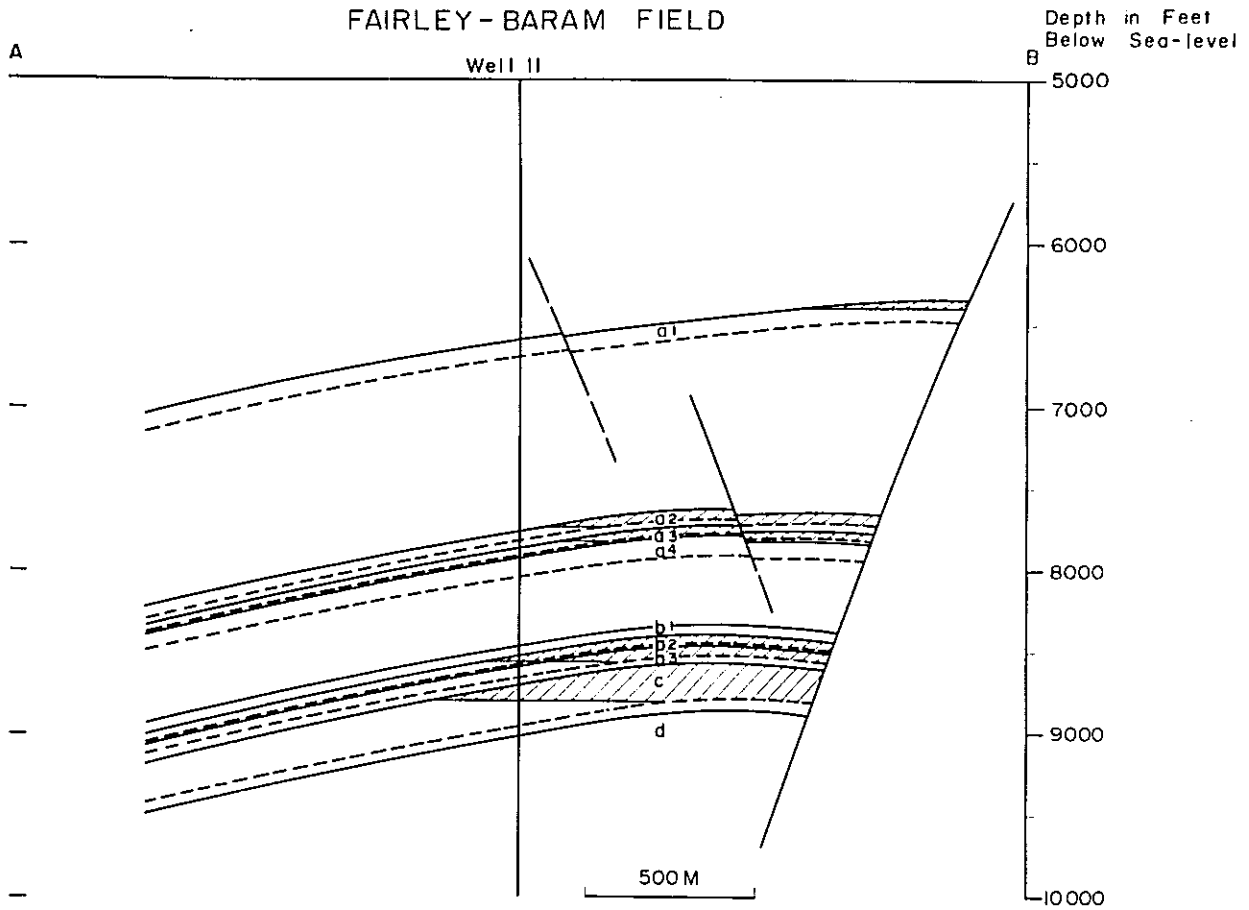
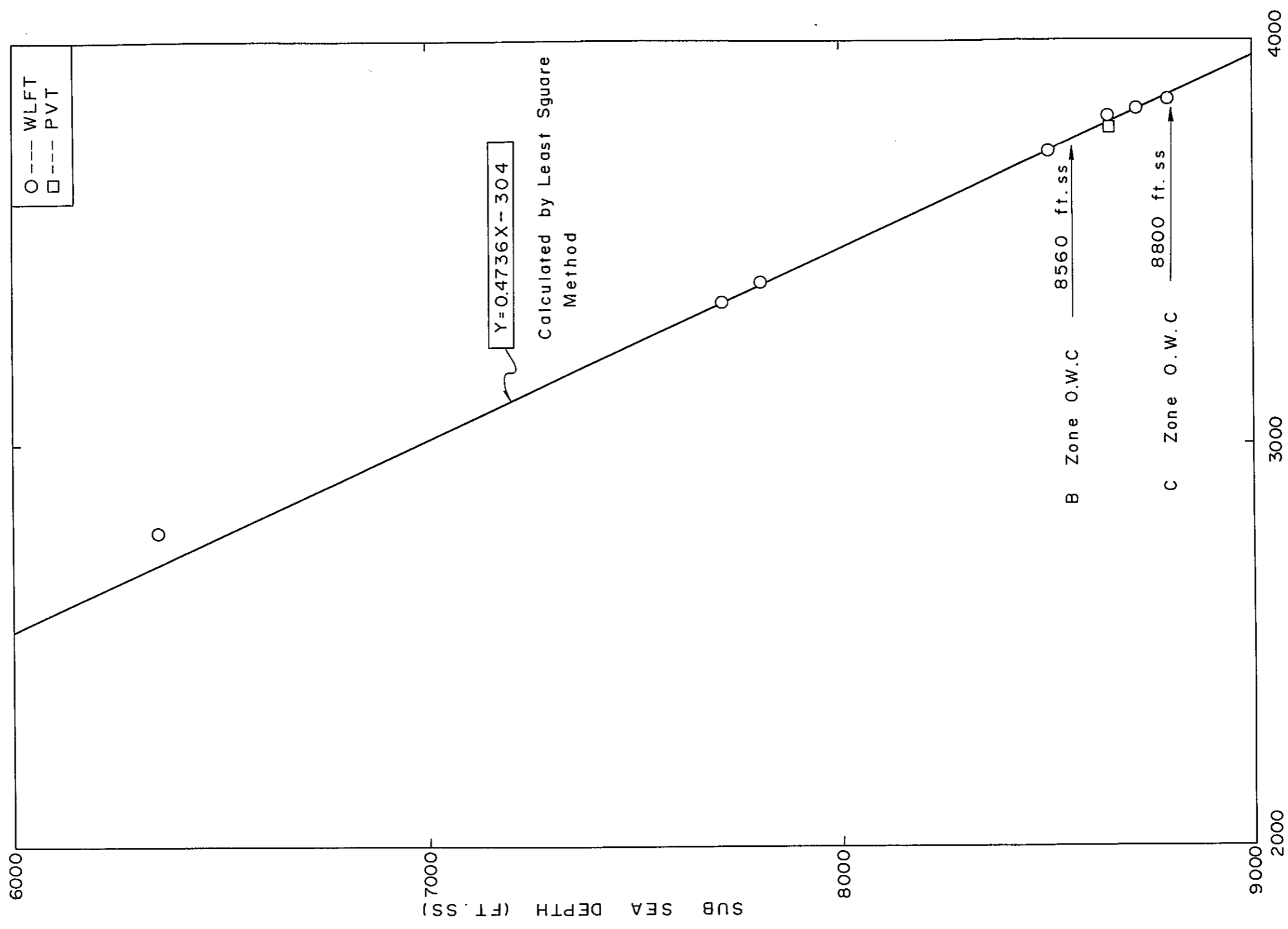


Fig. 2-2-4
Vol. IV

STRUCTURAL CROSS-SECTION, FAIRLEY-BARAM FIELD



RESERVOIR PRESSURE (PSIG)

Fig. 2-3-1 RESERVOIR PRESSURE VS. DEPTH, FAIRLEY BAKUM FIELD
Vol. IV

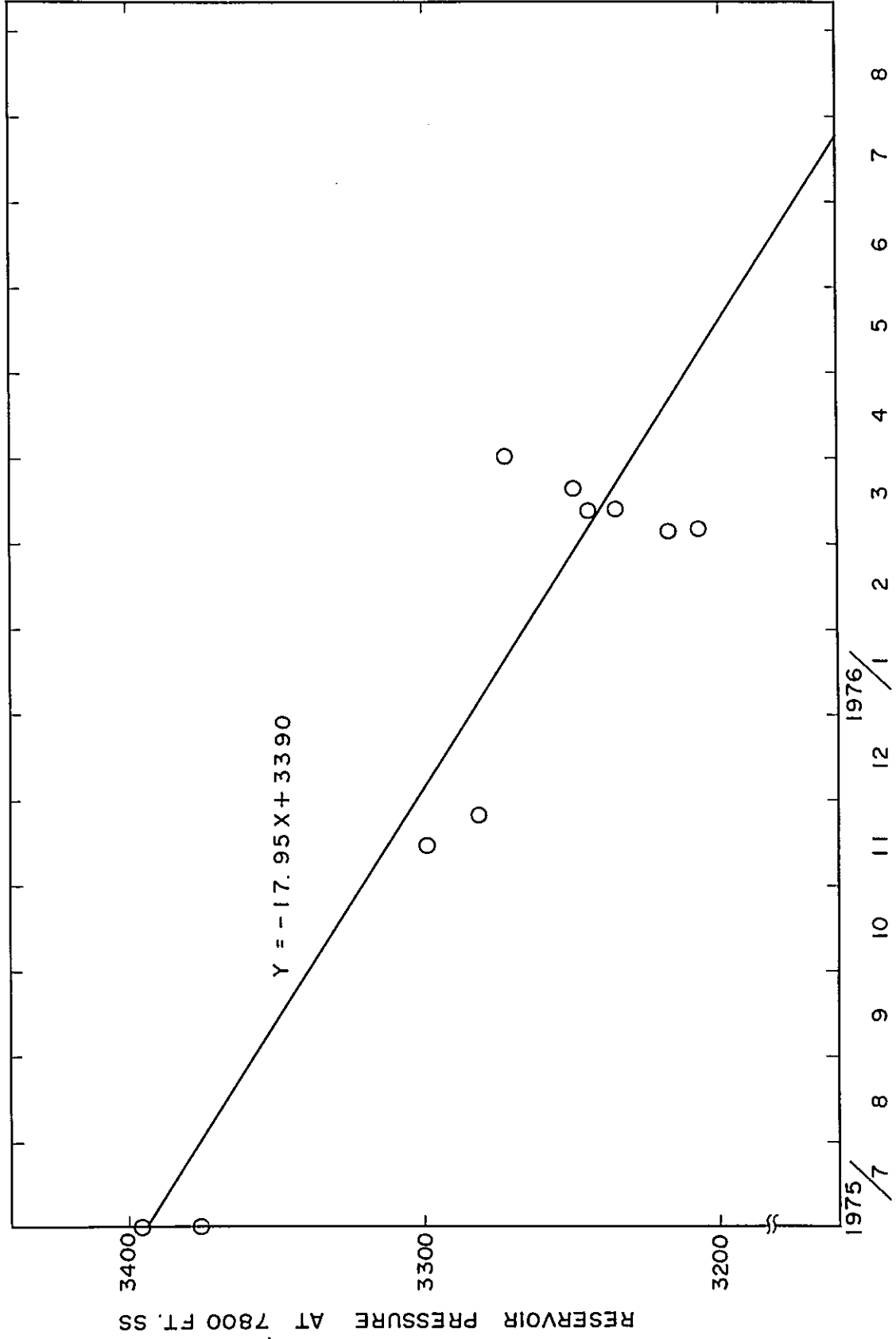


Fig. 2-3-2 RESERVOIR PRESSURE VS. TIME OF A ZONE, FAIRLEY BARAM
Vol. IV FIELD

Fig. 2-3-3
Vol. IV

SELECTED GRID PATTERN OF B ZONE, FAIRLEY BARAM FIELD

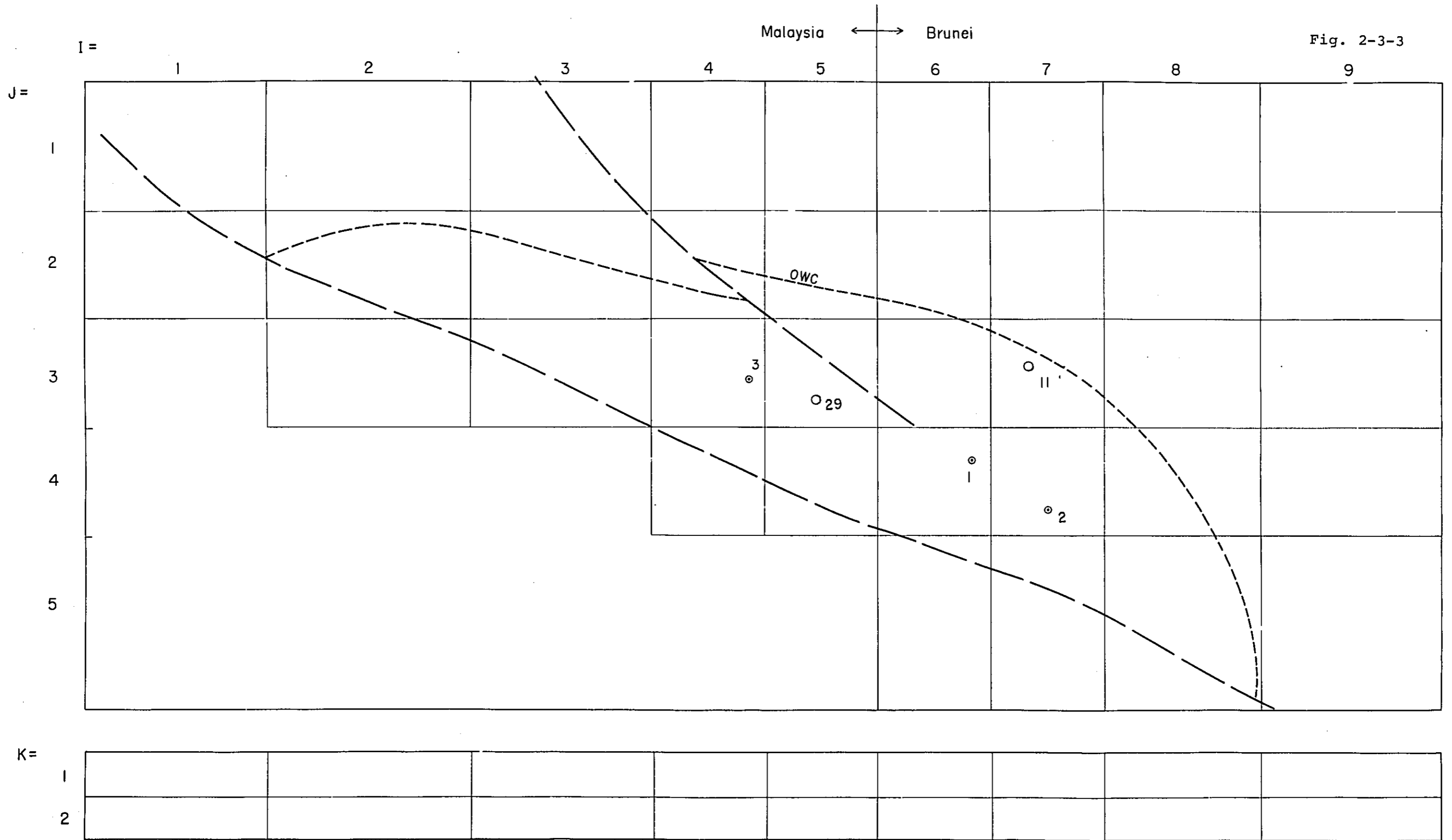
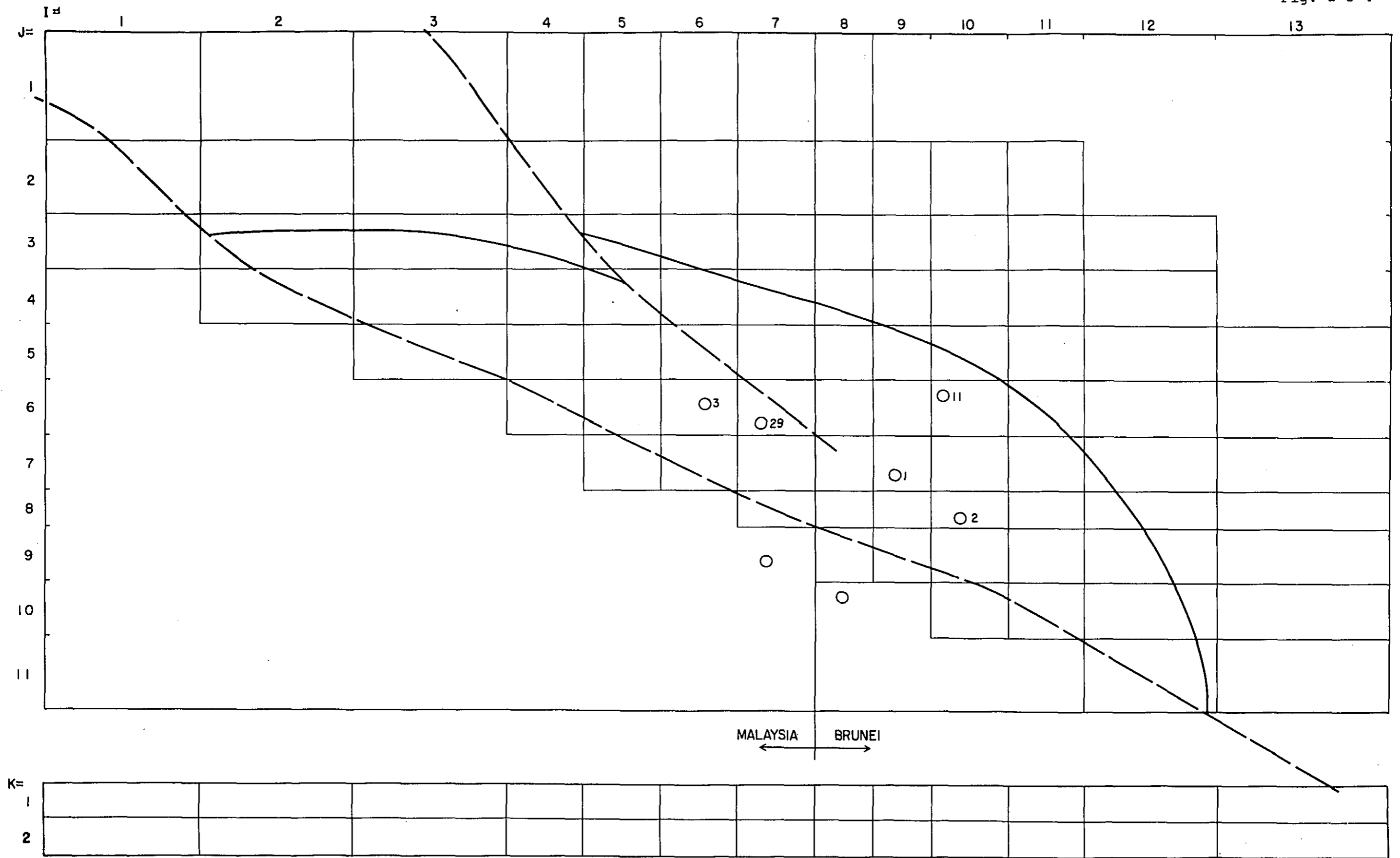


Fig. 2-3-4
Vol. IV

SELECTED GRID PATTERN OF C ZONE, FAIRLEY BARAM FIELD

Fig. 2-3-4



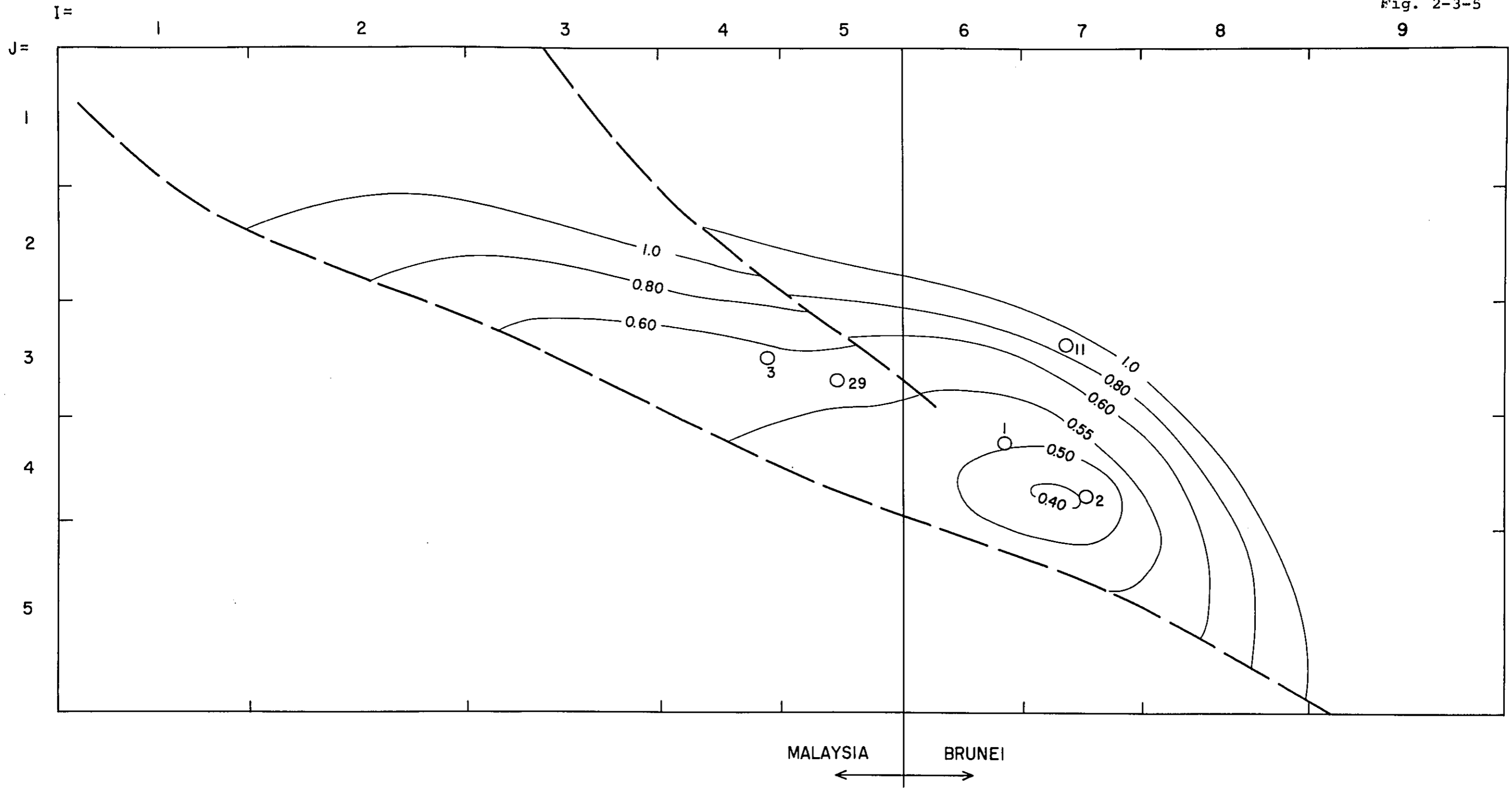


Fig. 2-3-5
Vol. IV

WATER SATURATION MAP AT INITIAL CONDITION OF B ZONE,
FAIRLEY BARAM FIELD

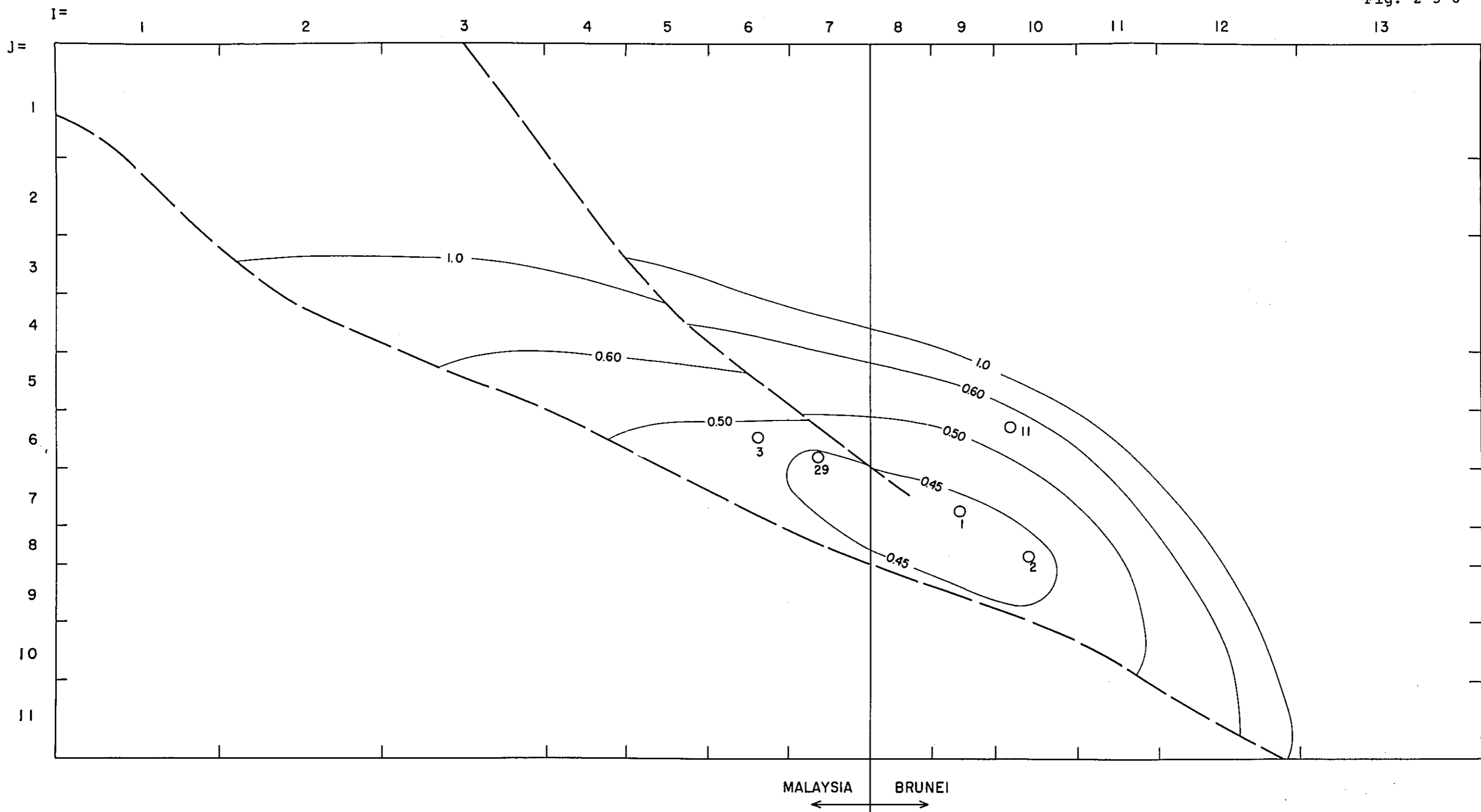


Fig. 2-3-6
Vol. IV

WATER SATURATION MAP AT INITIAL CONDITION OF C ZONE,
FAIRLEY BARAM FIELD

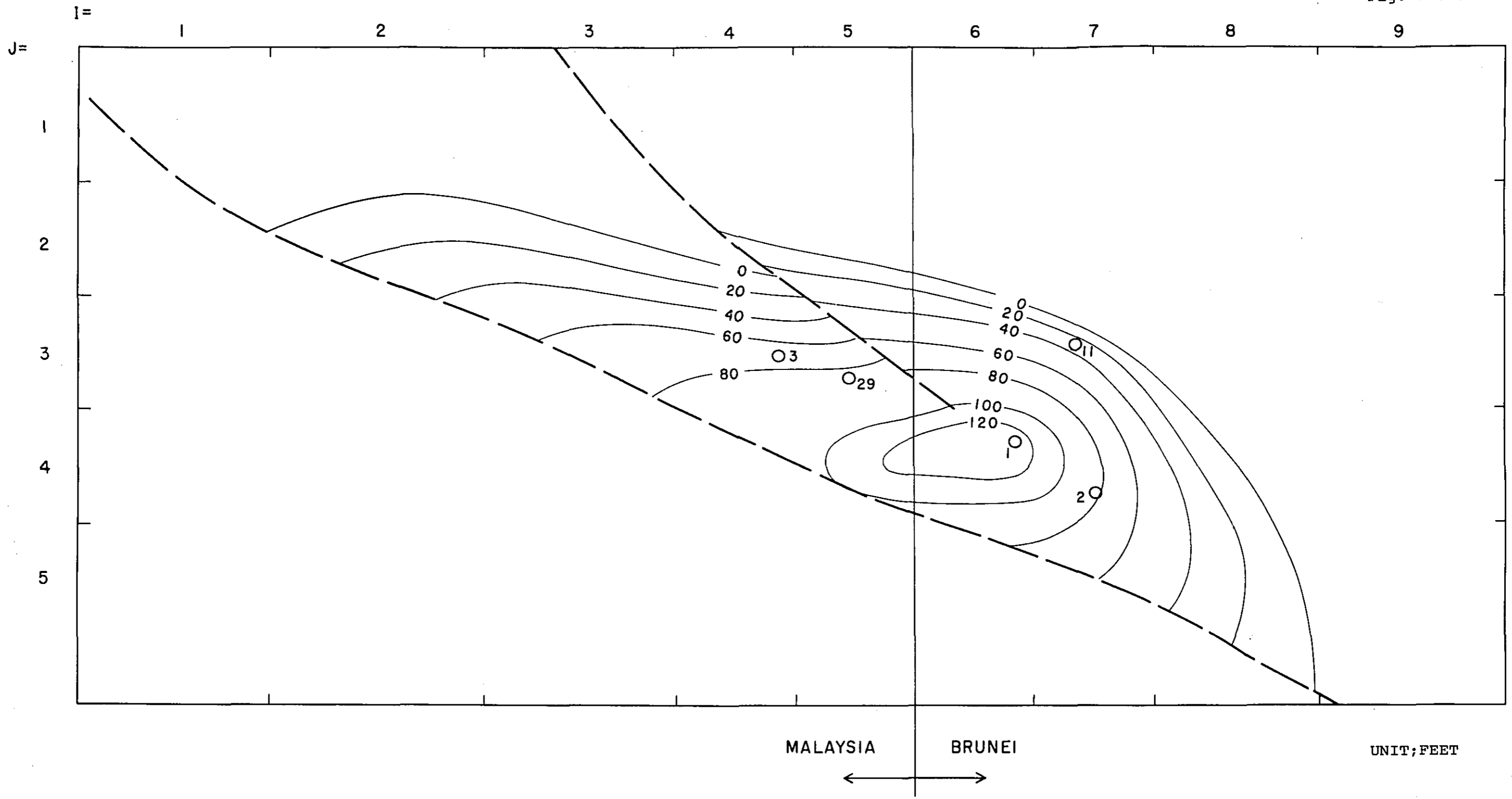


Fig. 2-3-7
Vol. IV NET THICKNESS MAP OF B ZONE, FAIRLEY BARAM FIELD

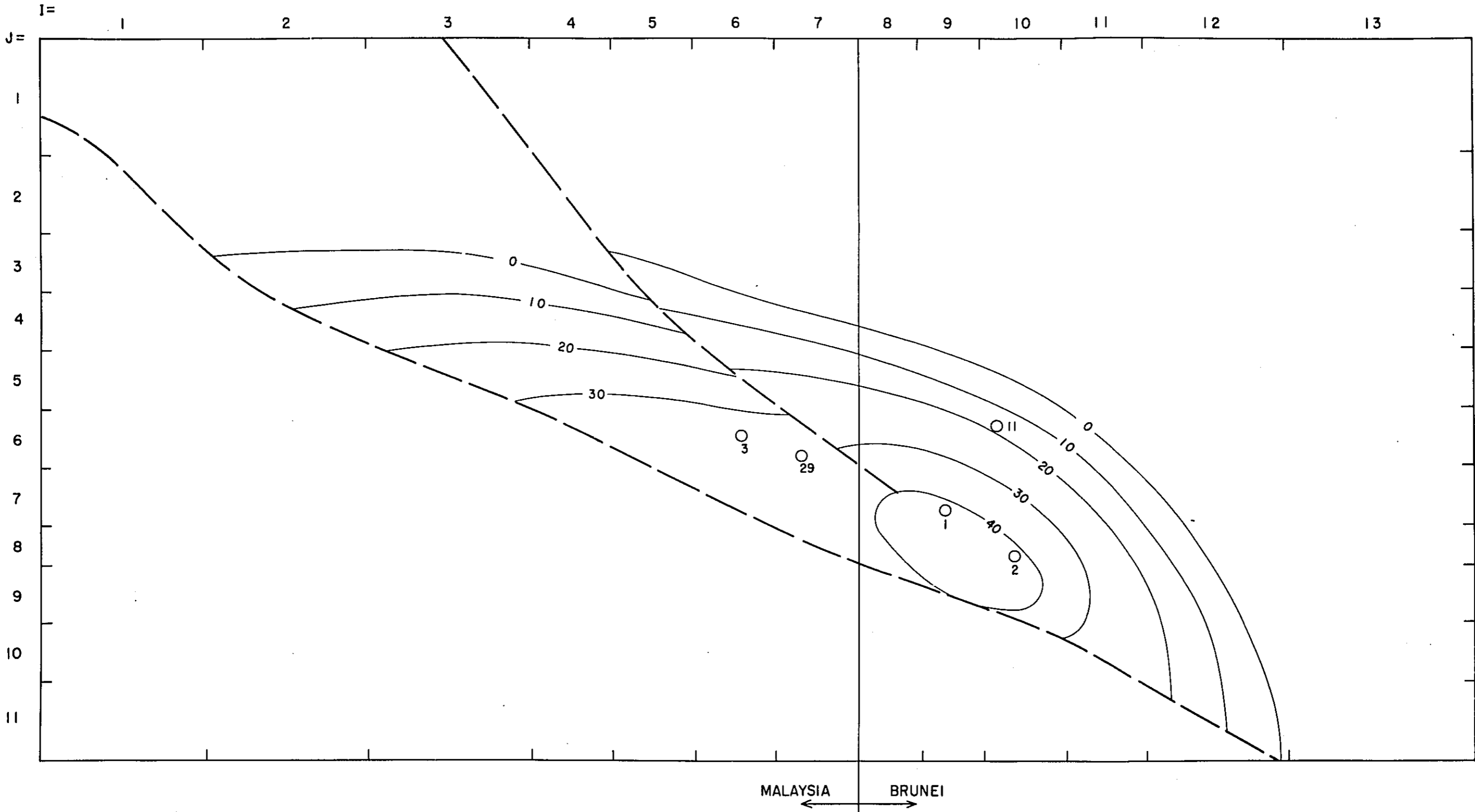


Fig. 2-3-8 Vol. IV POROSITY x NET THICKNESS MAP OF C ZONE, FAIRLEY BARAM FIELD

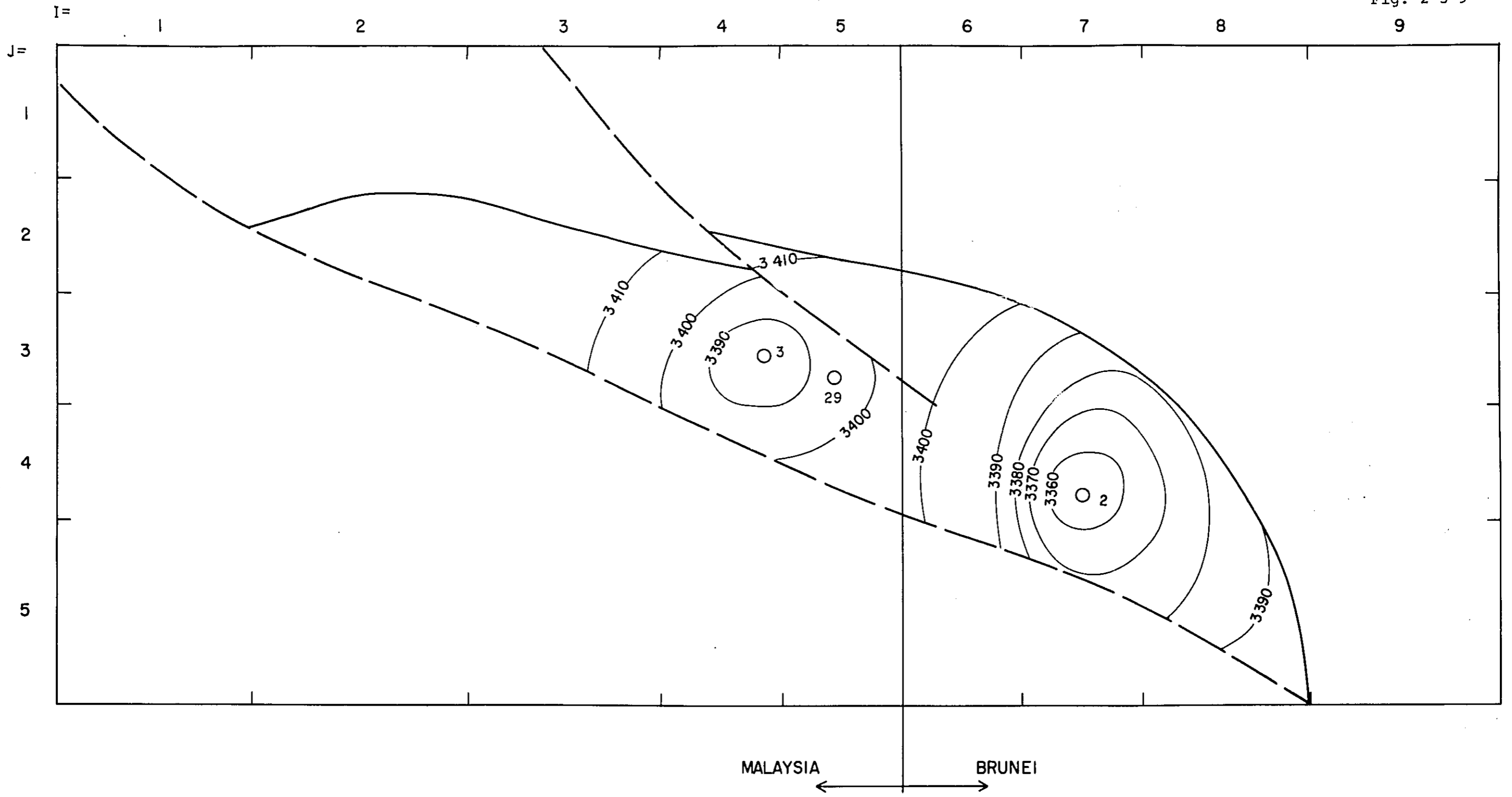


Fig. 2-3-9
Vol. IV

ISO-BARIC MAP OF B ZONE, FAIRLEY BARAM FIELD,
OCTOBER, 1976

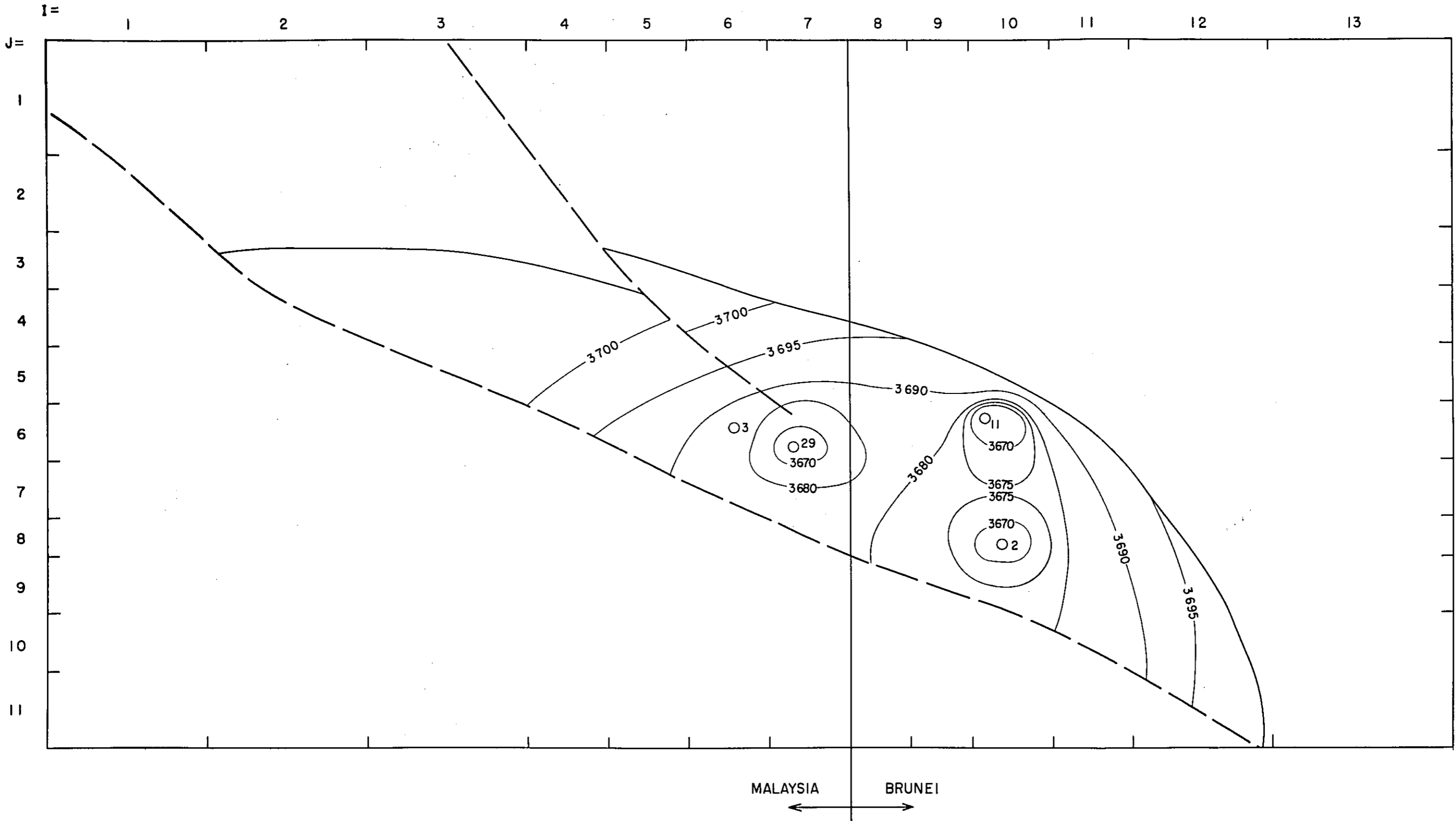


Fig. 2-3-10 Vol. IV ISO-BARIC MAP OF C ZONE, FAIRLEY BARAM FIELD, OCTOBER, 1976

Fig. 2-3-11

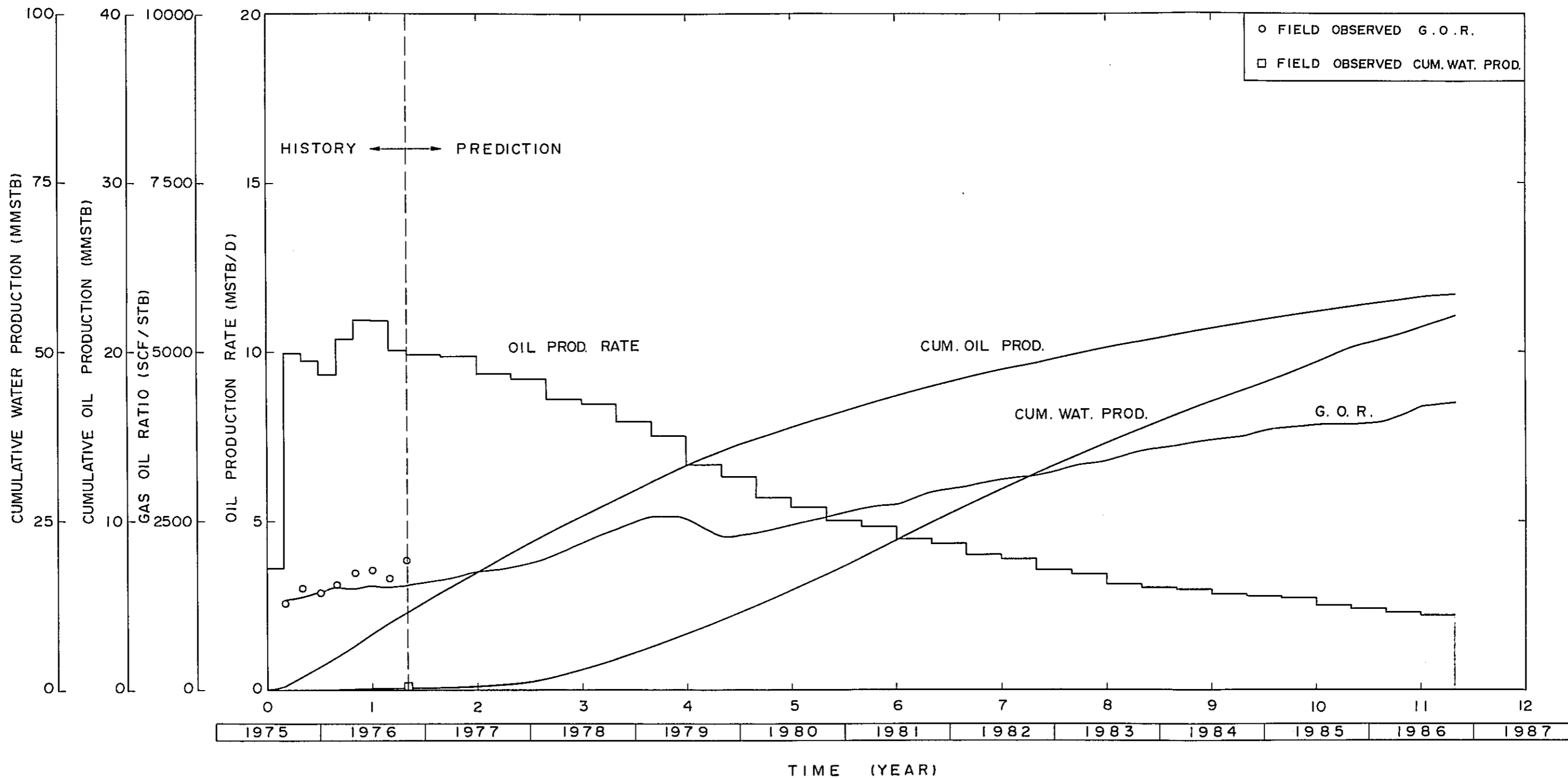


Fig. 2-3-11
Vol. IV

PREDICTED PERFORMANCE OF FAIRLEY BARAM FIELD, CASE 1

Fig. 2-3-12

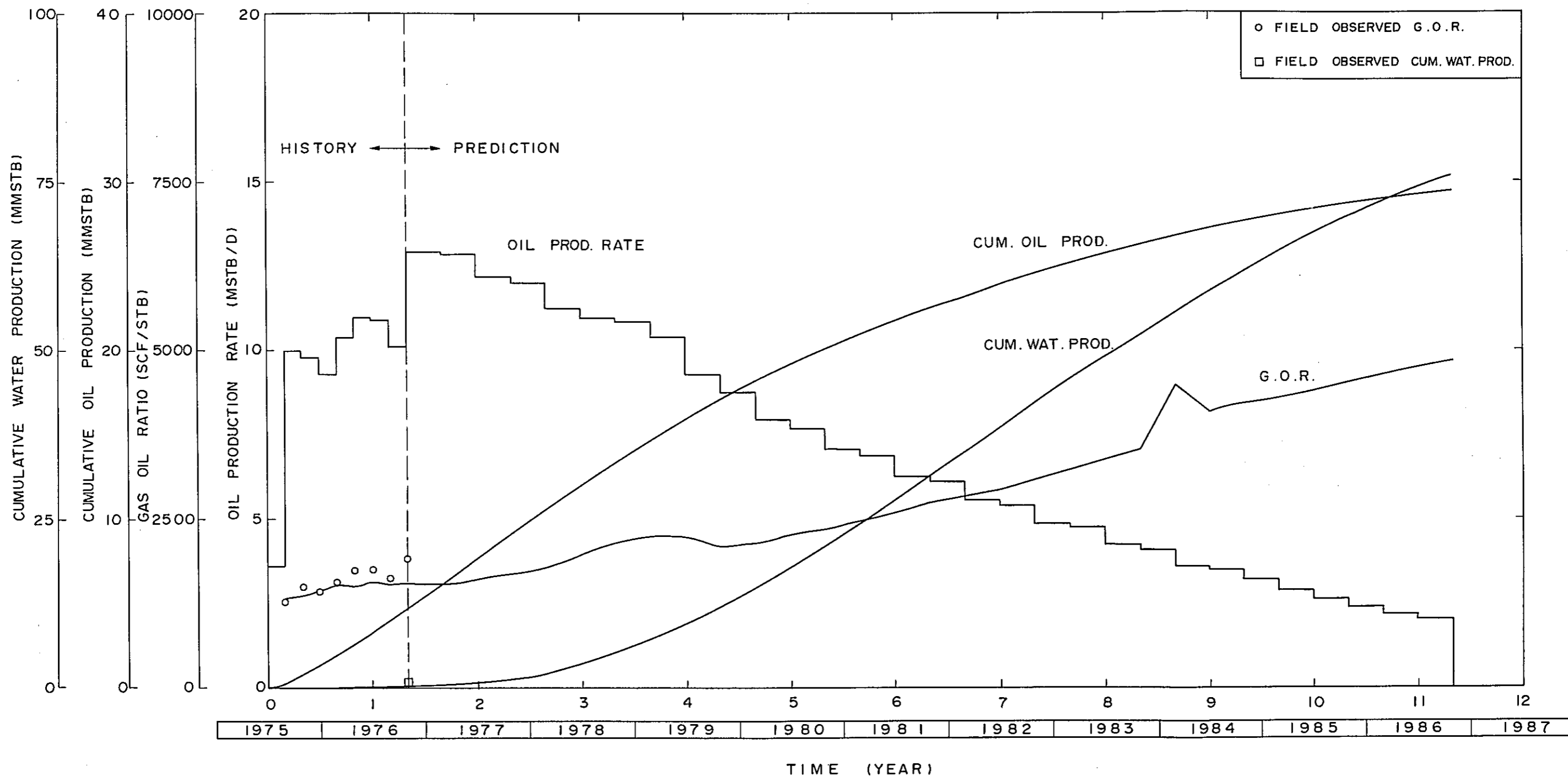


Fig. 2-3-12
Vol. IV

PREDICTED PERFORMANCE OF FAIRLEY BARAM FIELD, CASE 2

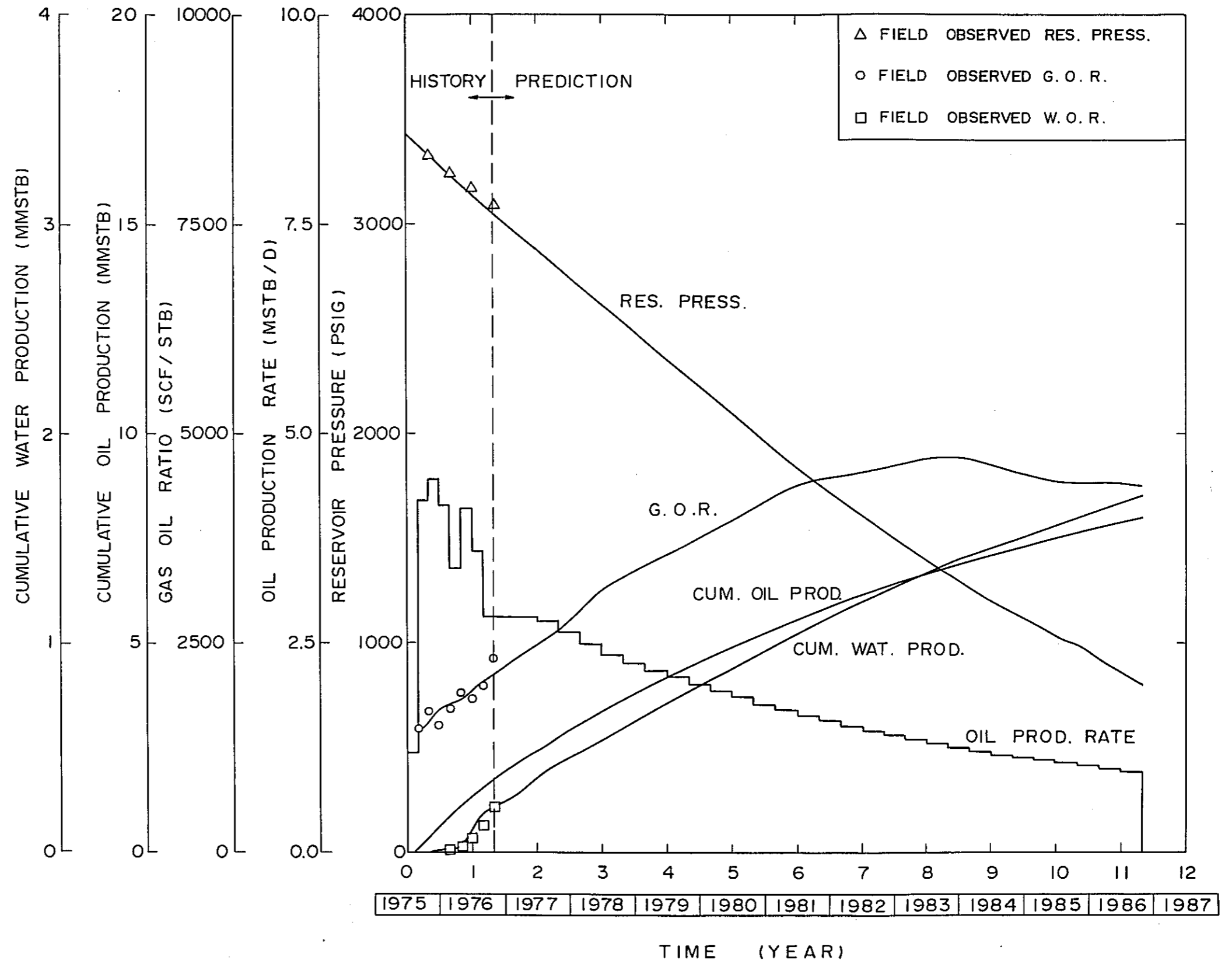


Fig. 2-3-13
Vol. IV

PREDICTED PERFORMANCE OF A ZONE, FAIRLEY BARAM FIELD,

Fig. 2-3-14

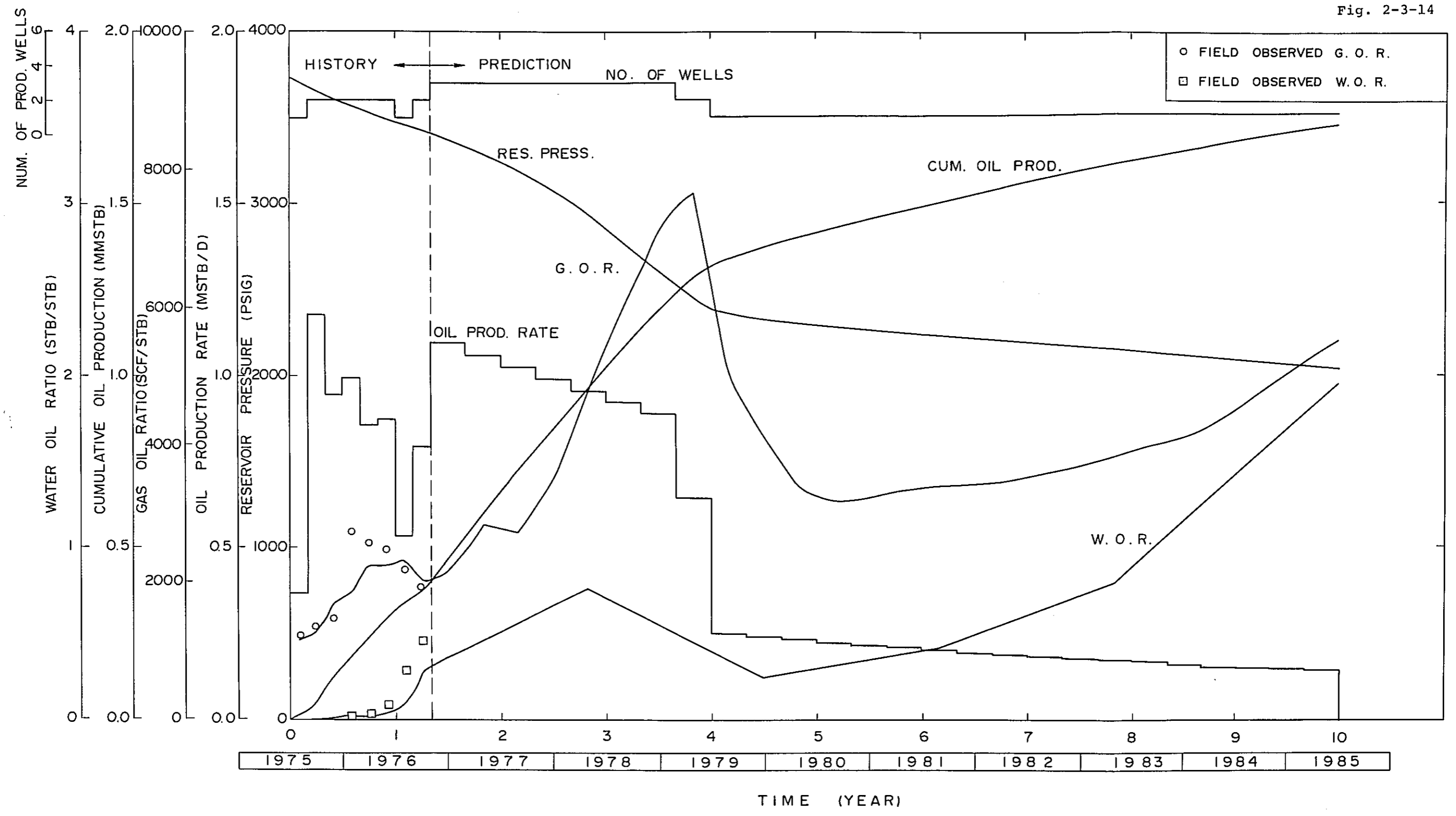


Fig. 2-3-14 PREDICTED PERFORMANCE OF B ZONE, FAIRLEY BARAM FIELD, CASE 1
Vol. IV

Fig. 2-3-15

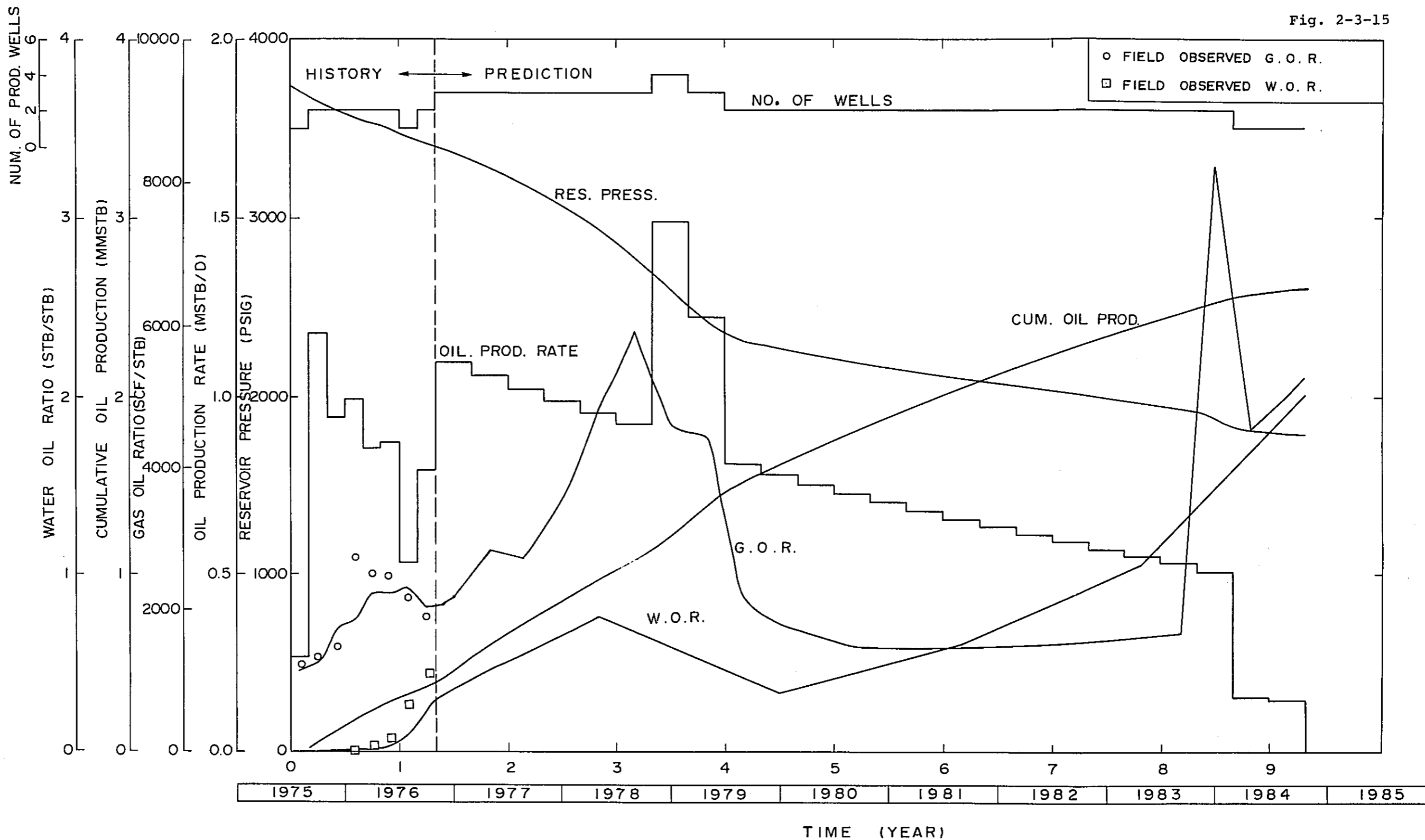


Fig. 2-3-15
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, FAIRLEY BARAM FIELD,
CASE 2

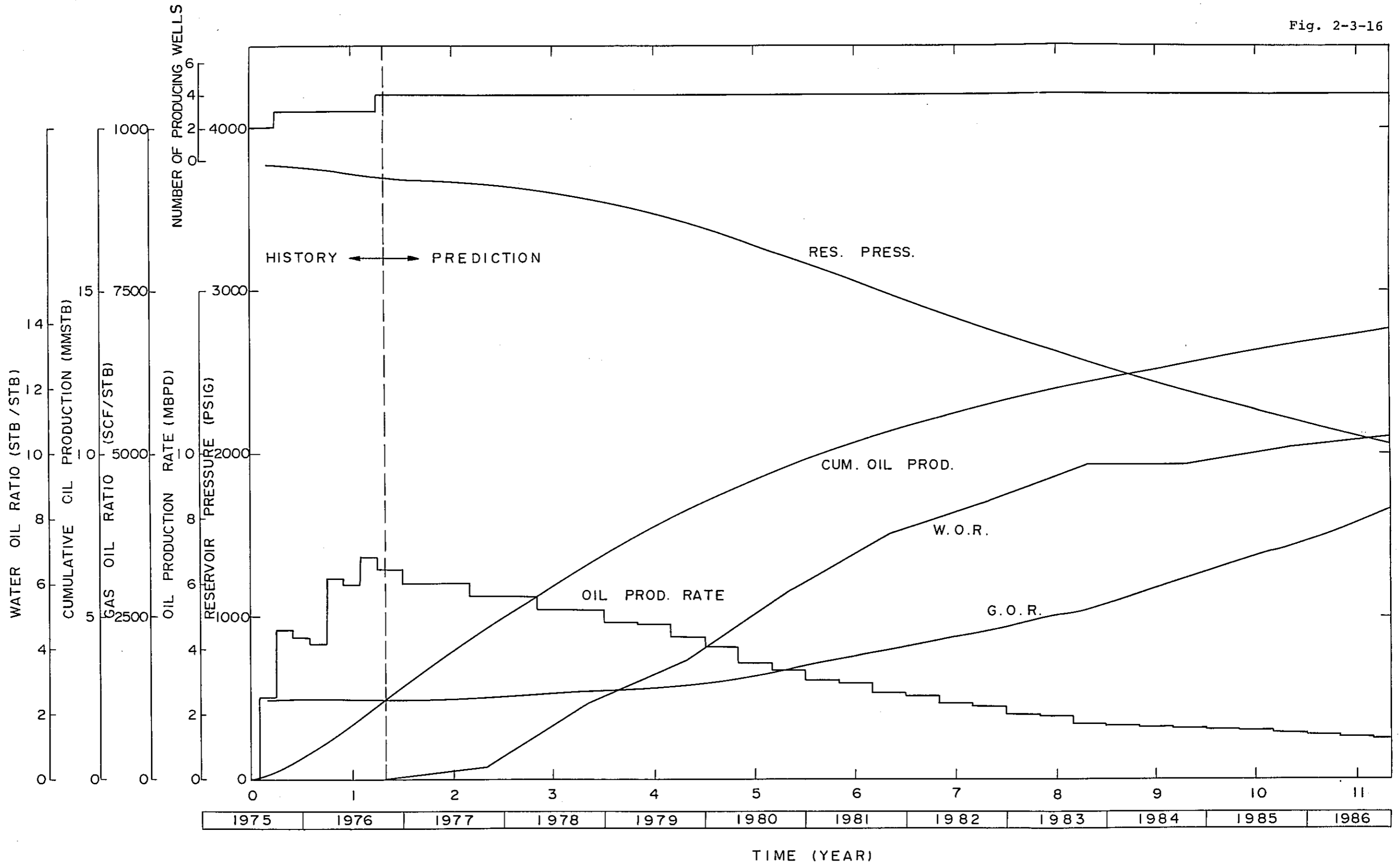


Fig. 2-3-16
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, FAIRLEY BARAM FIELD,
CASE 1

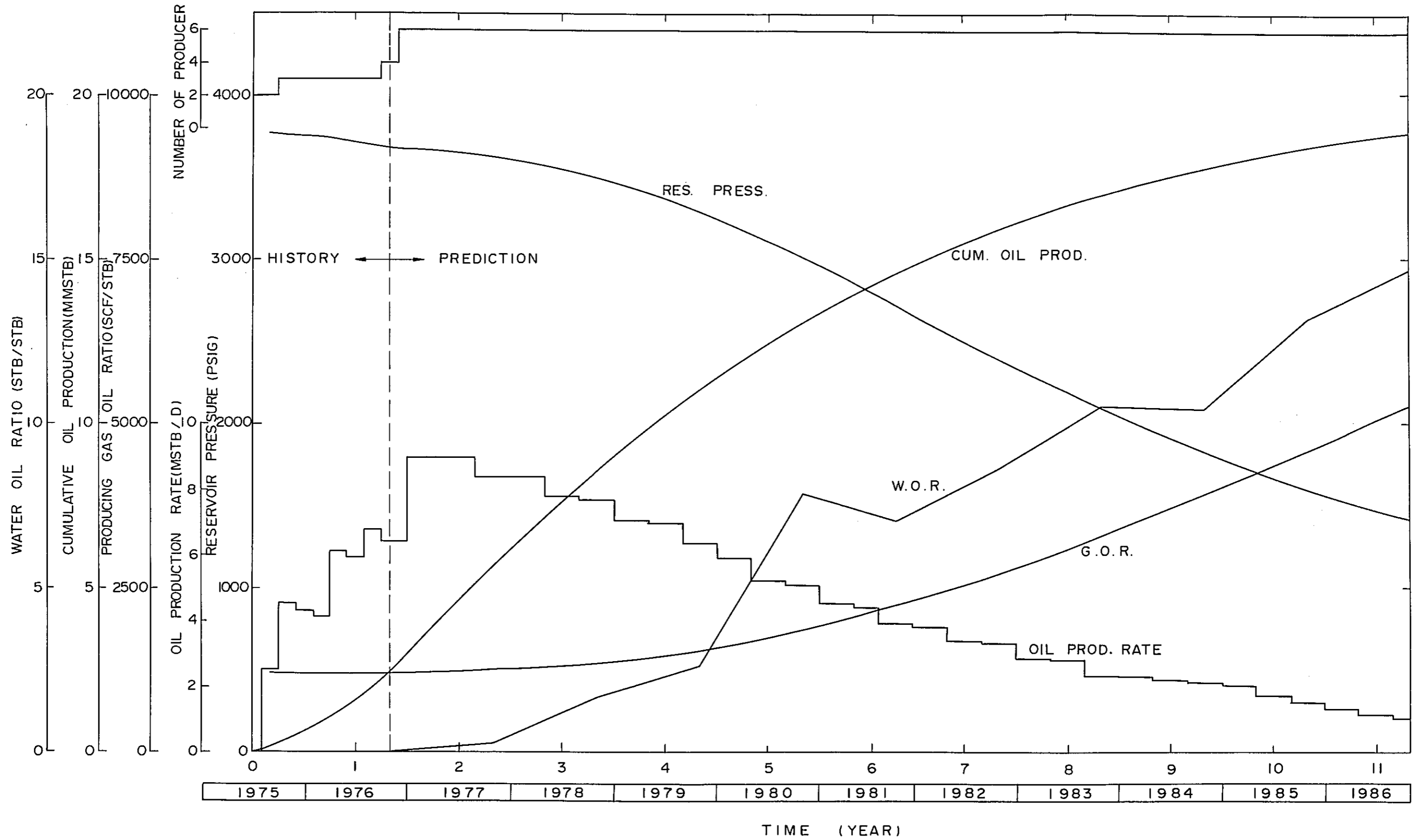


Fig. 2-3-17
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, FAIRLEY BARAM FIELD,
CASE 2

Fig. 2-3-18

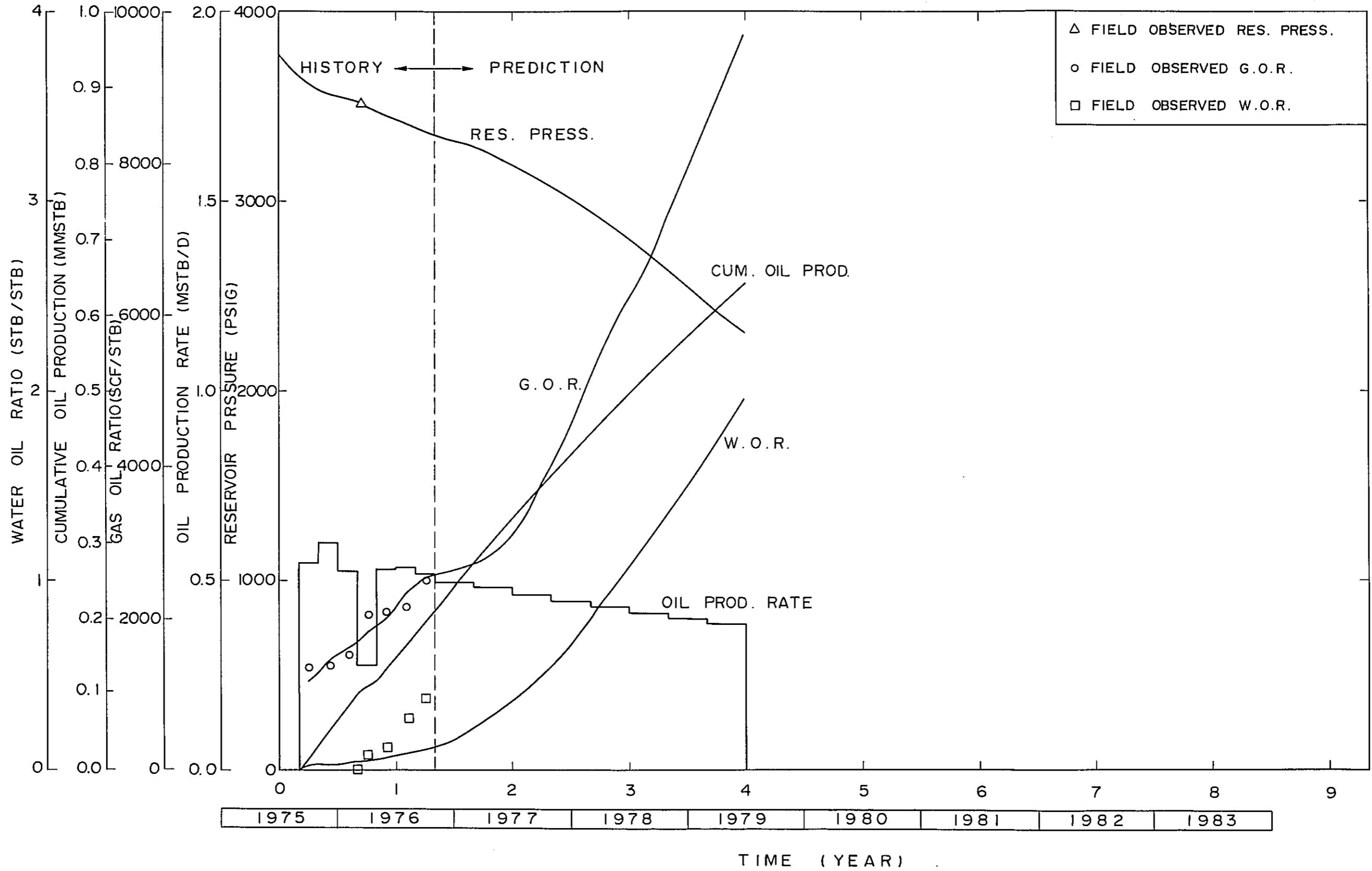


Fig. 2-3-18 PREDICTED PERFORMANCE OF B ZONE, WELL FB-2, FAIRLEY
 Vol. IV AM FIELD, CASE 1

Fig. 2-3-19

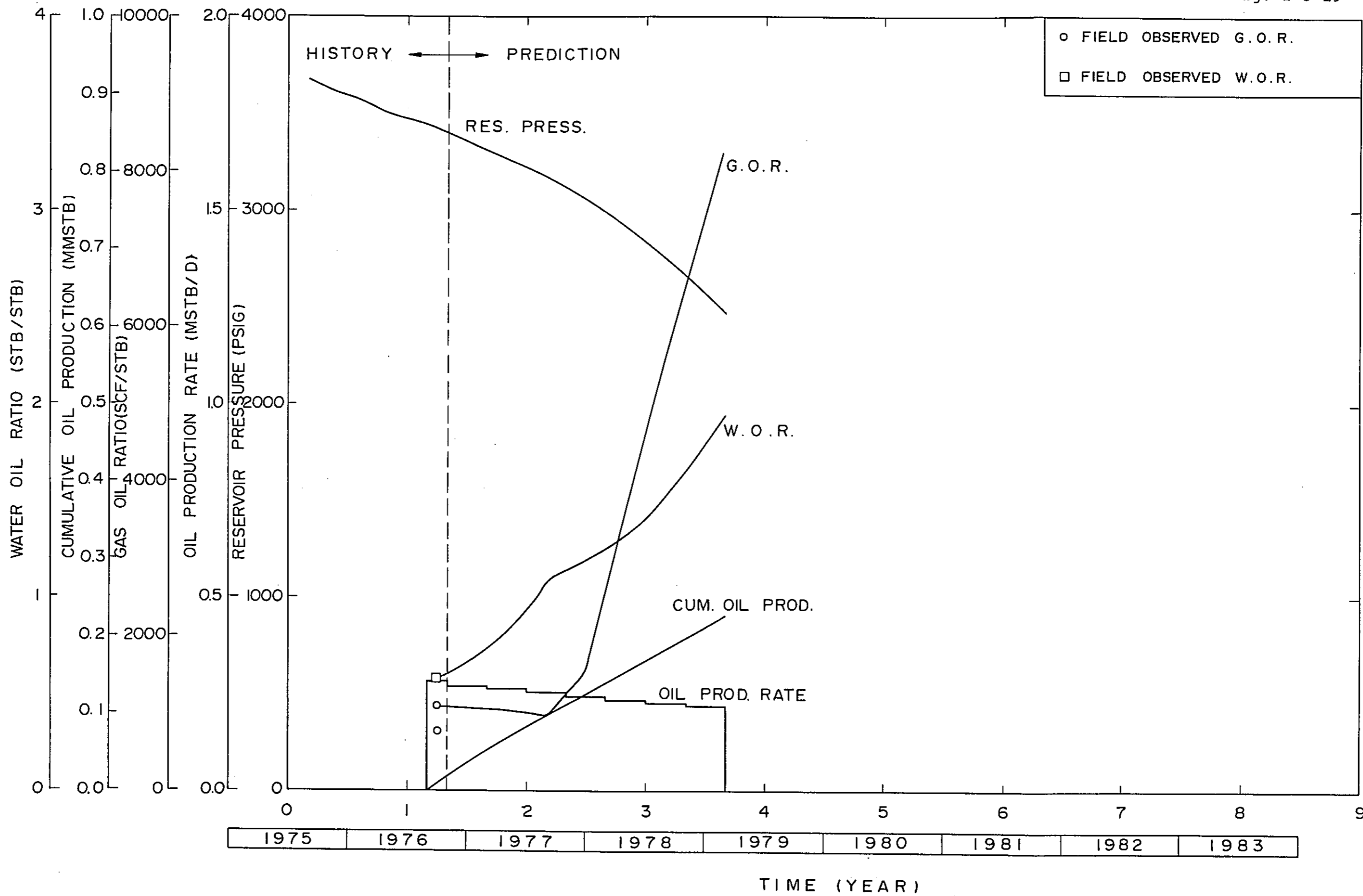


Fig. 2-3-19
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, WELL FB-3, FAIRLEY
BARAM FIELD, CASE 1

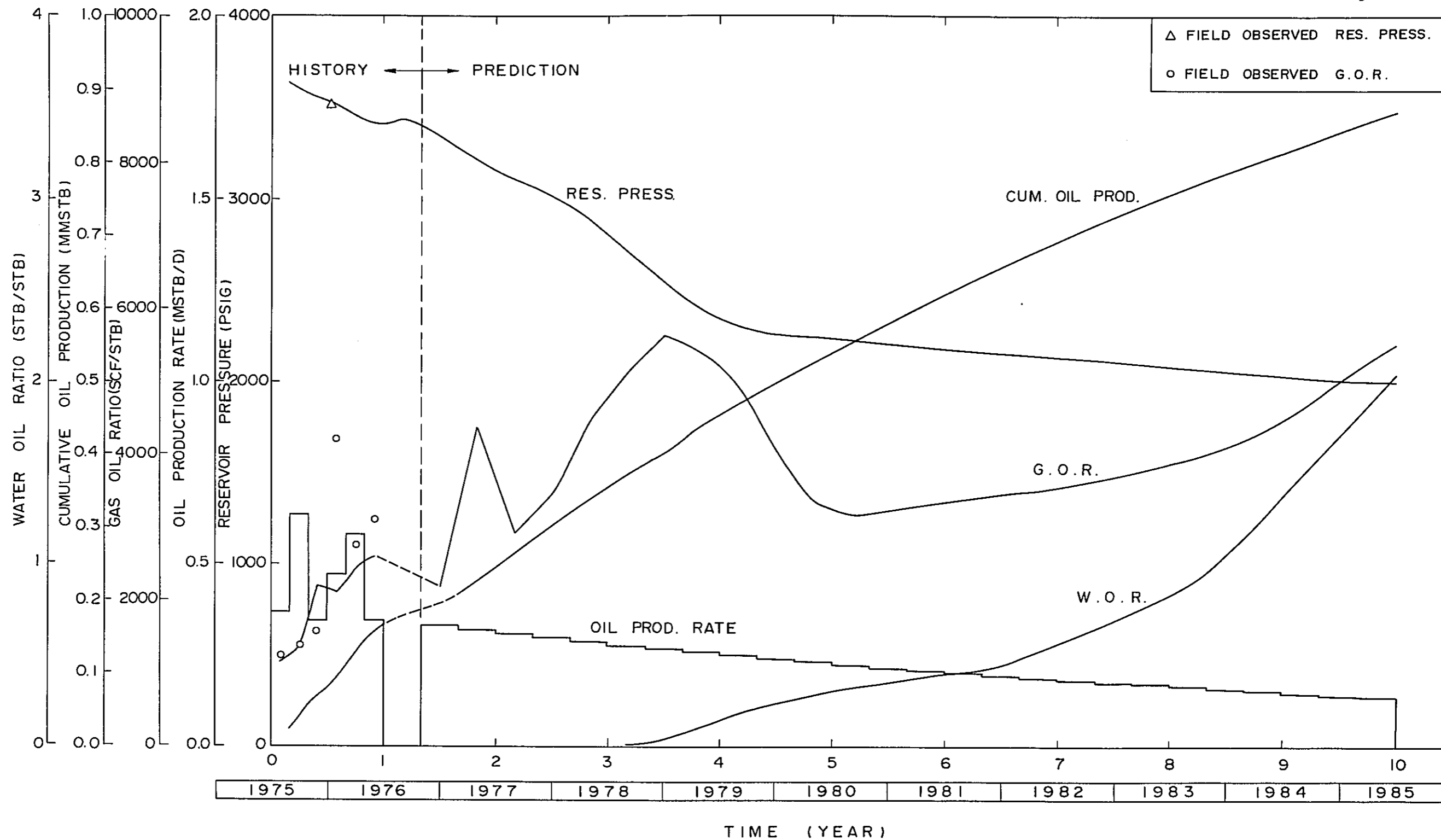


Fig. 2-3-20 PREDICTED PERFORMANCE OF B ZONE, WELL FB-29, FAIRLEY
 Vol. IV BARAM FIELD, CASE 1

Fig. 2-3-21

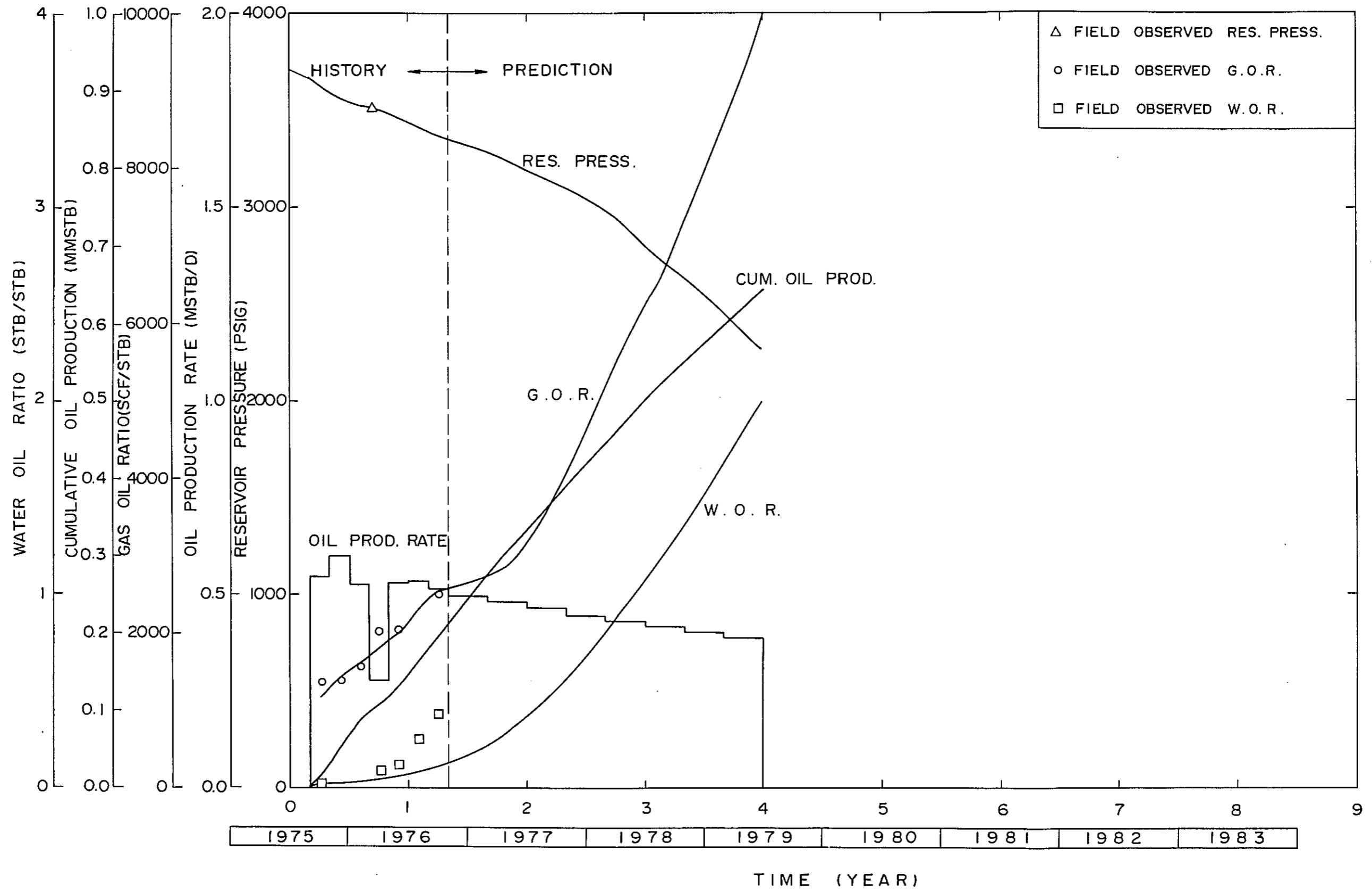


Fig. 2-3-21
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, WELL FB-2, FAIRLEY
BARAM FIELD, CASE 2

Fig. 2-3-22

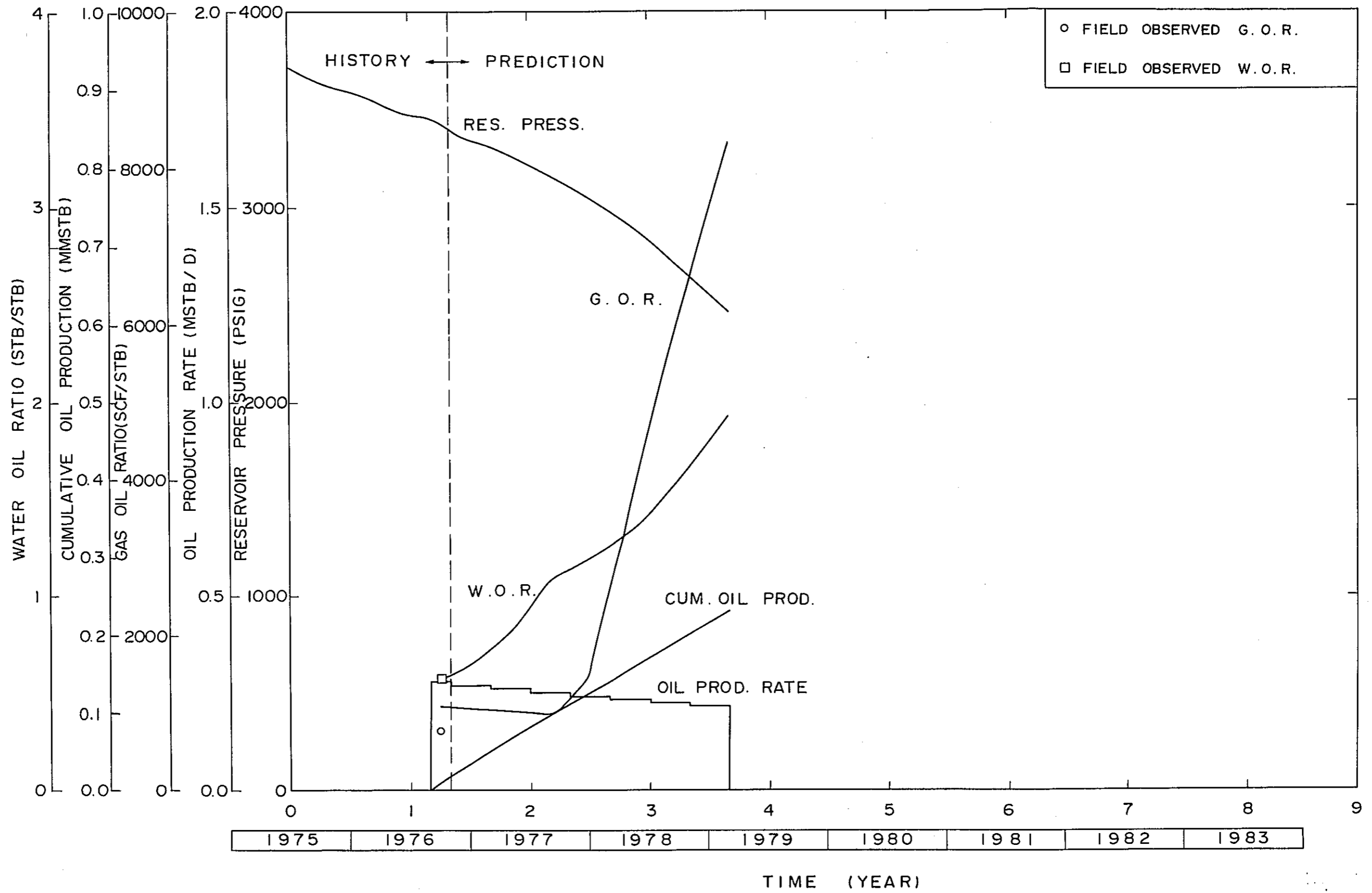


Fig. 2-3-22
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, WELL FB-3, FAIRLEY
BARAM FIELD, CASE 2

Fig. 2-3-23

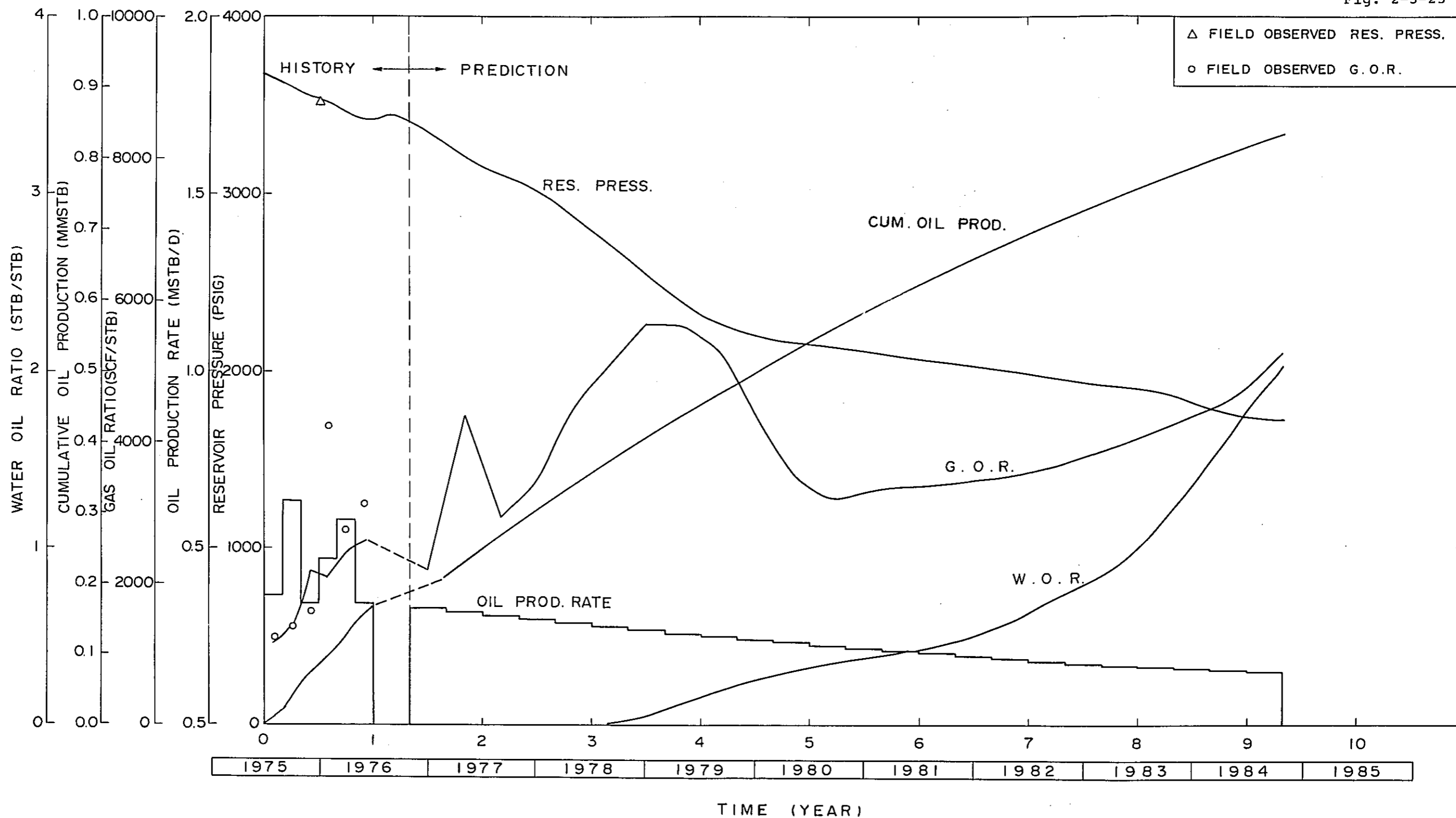


Fig. 2-3-23
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, WELL FB-29, FAIRLEY
BARAM FIELD, CASE 2

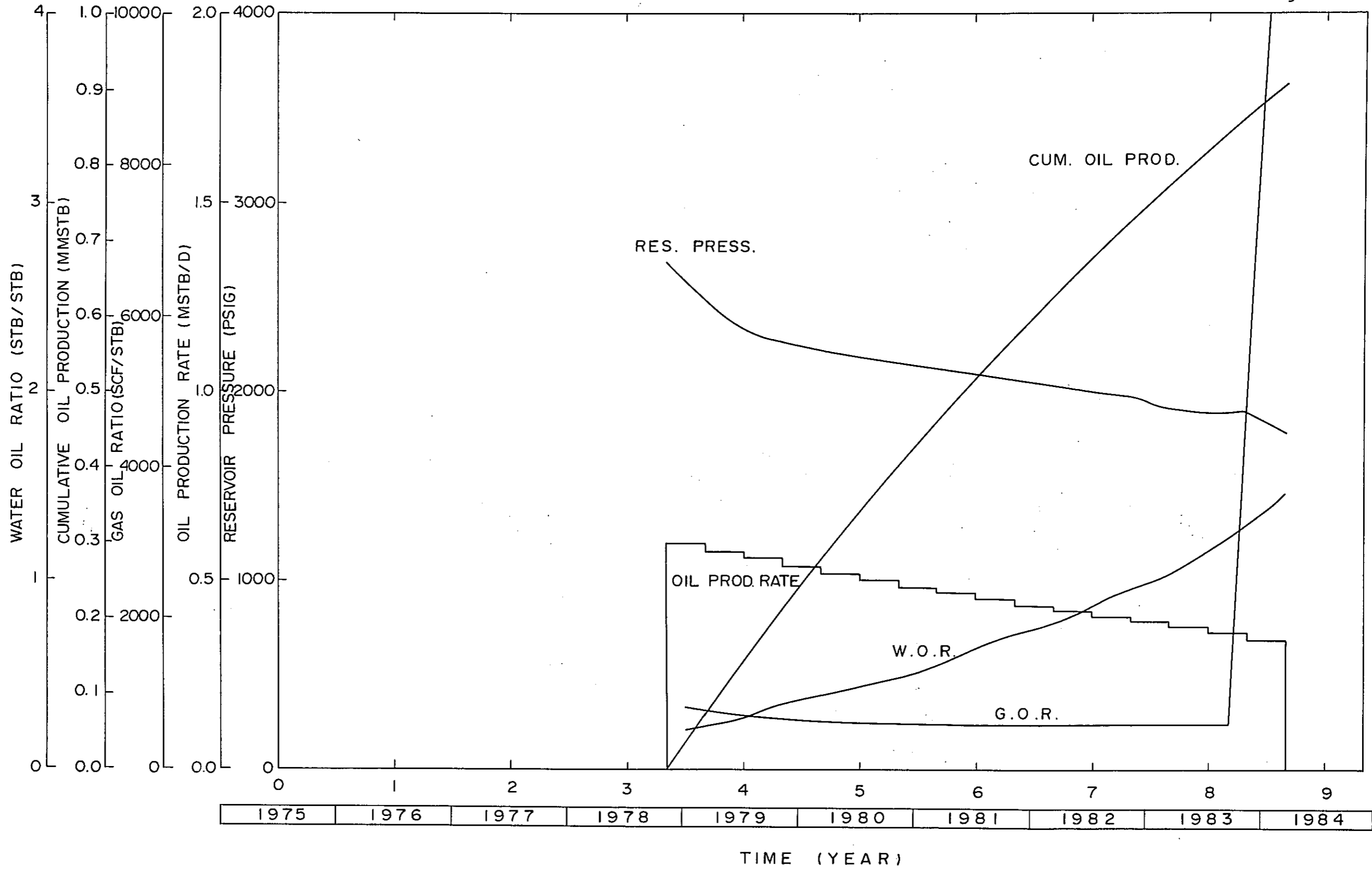


Fig. 2-3-24
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, WELL FB-A1, FAIRLEY
BARAM FIELD, CASE 2

Fig. 2-3-25

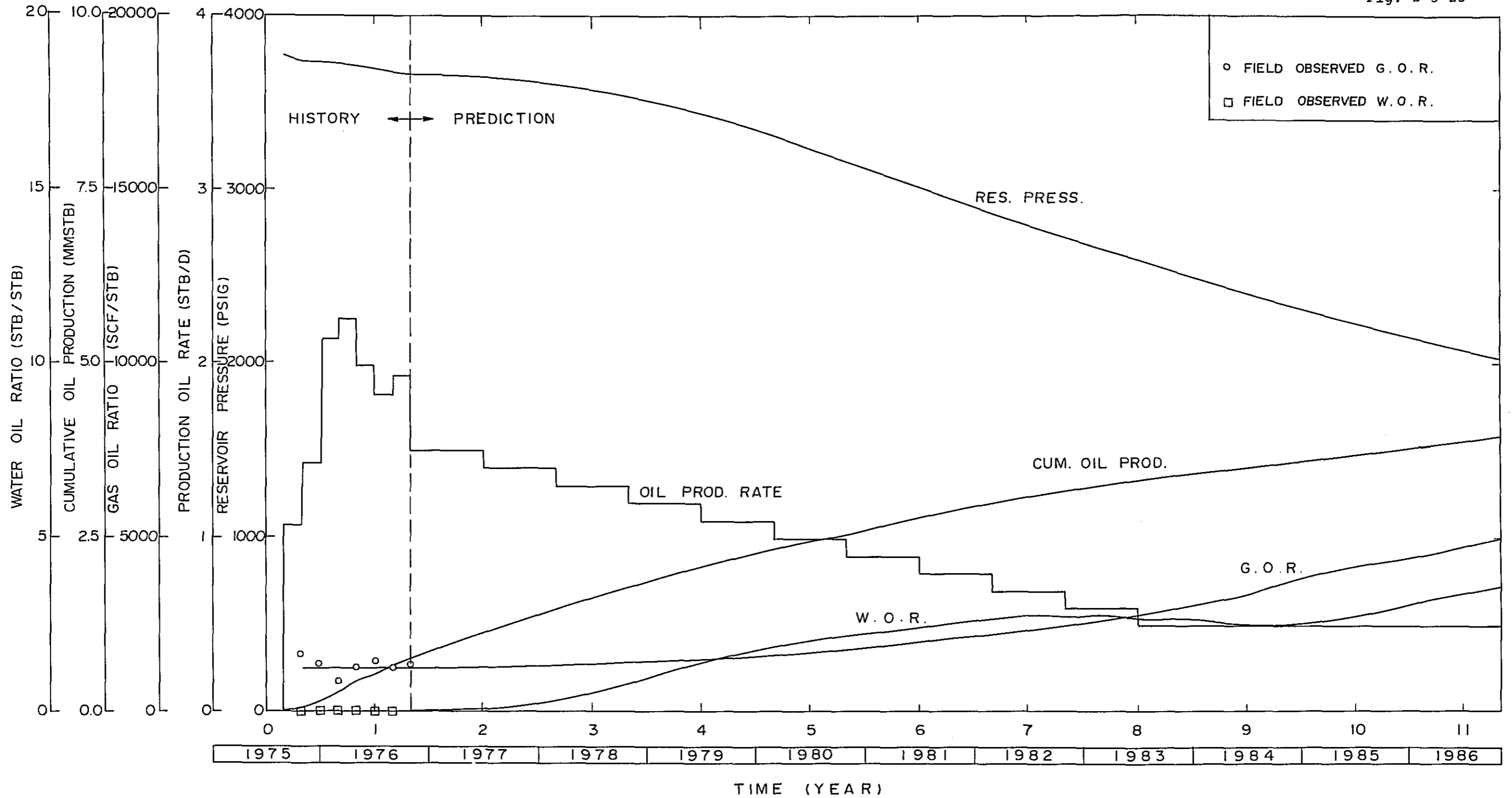


Fig. 2-3-25
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-2, FAIRLEY
BARAM FIELD, CASE 1

Fig. 2-3-26

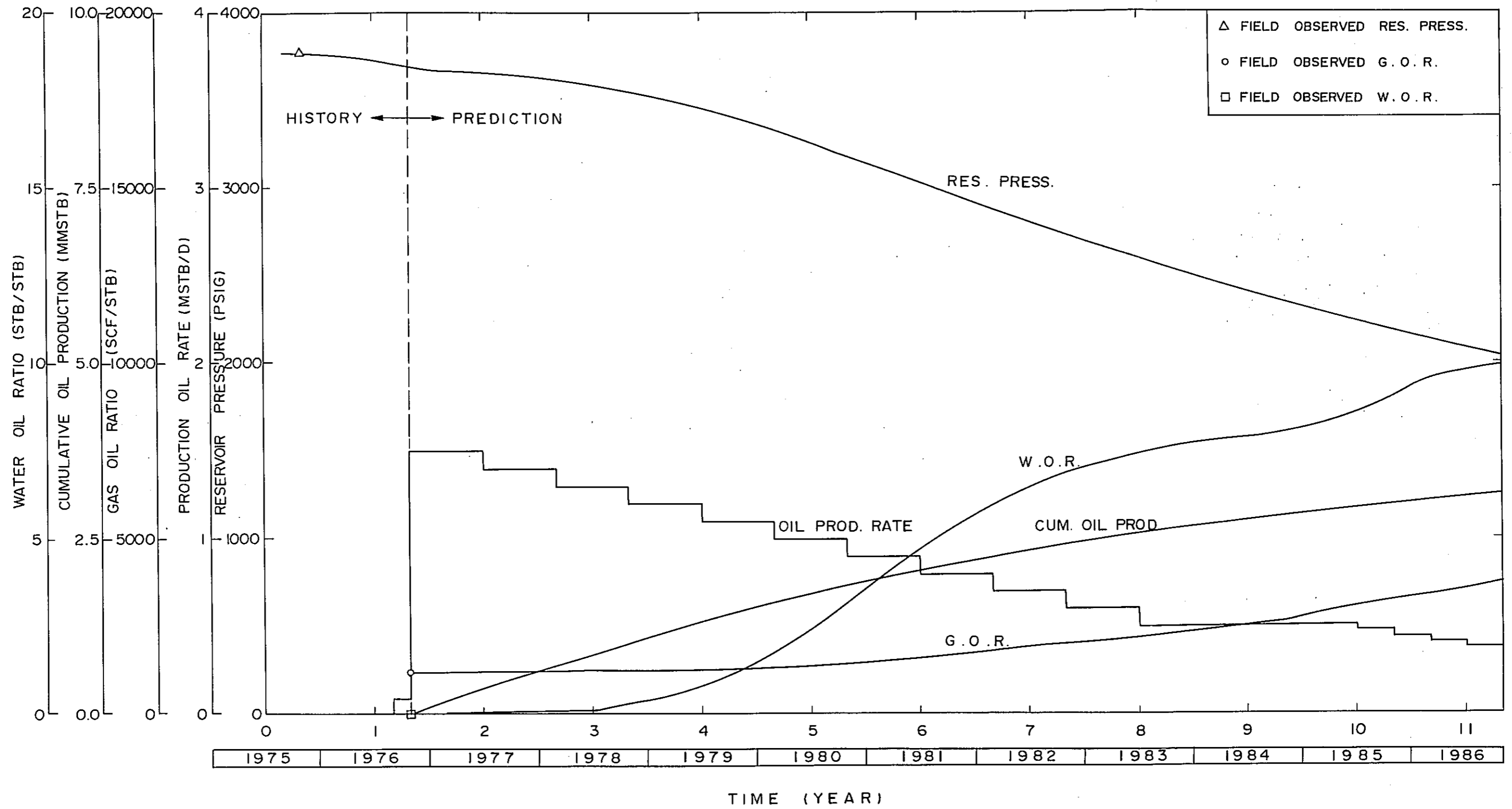


Fig. 2-3-26
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-3, FAIRLEY
BARAM FIELD, CASE 1

Fig. 2-3-27

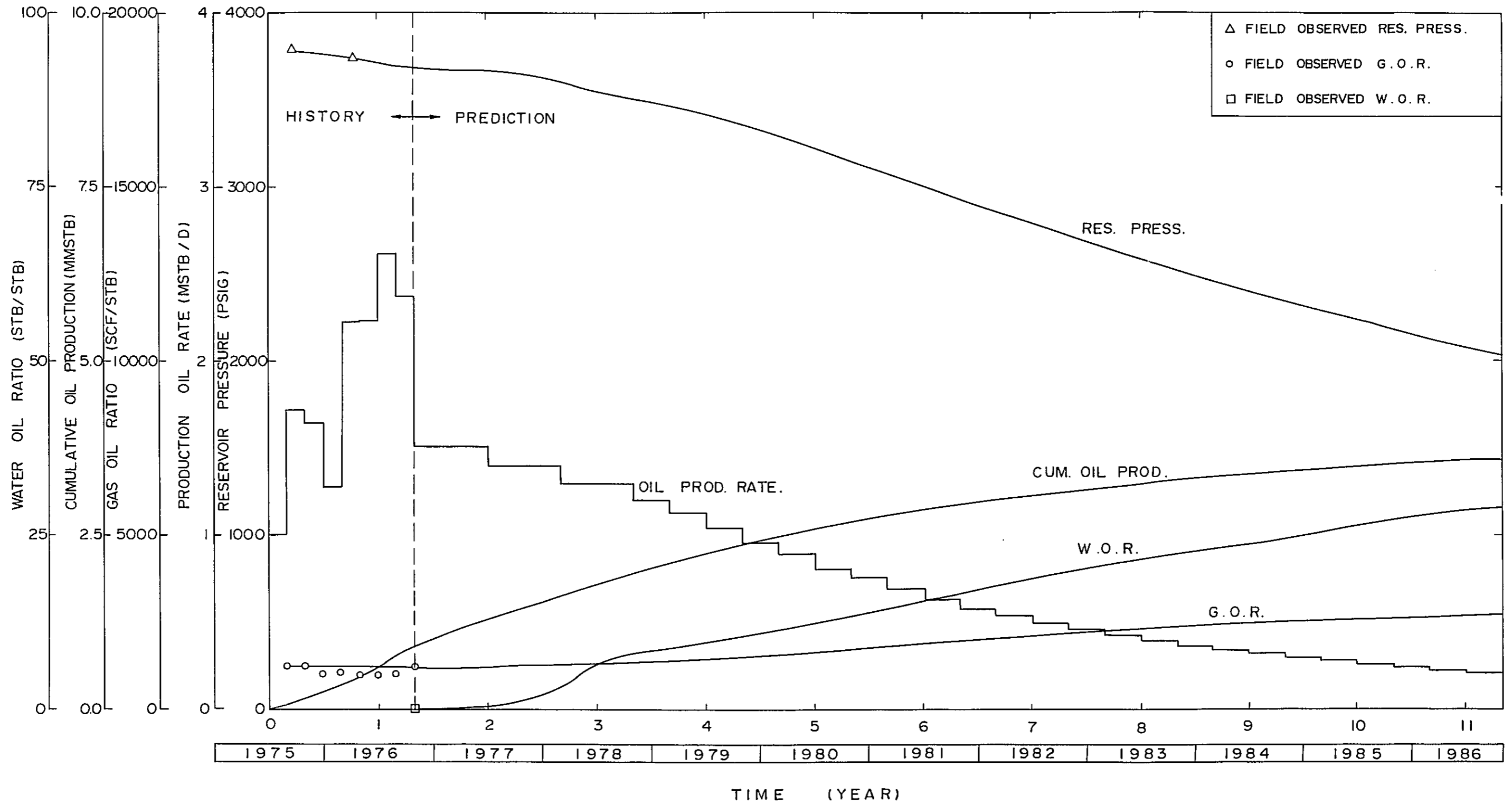


Fig. 2-3-27
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-11, FAIRLEY
BARAM FIELD, CASE 1

Fig. 2-3-28

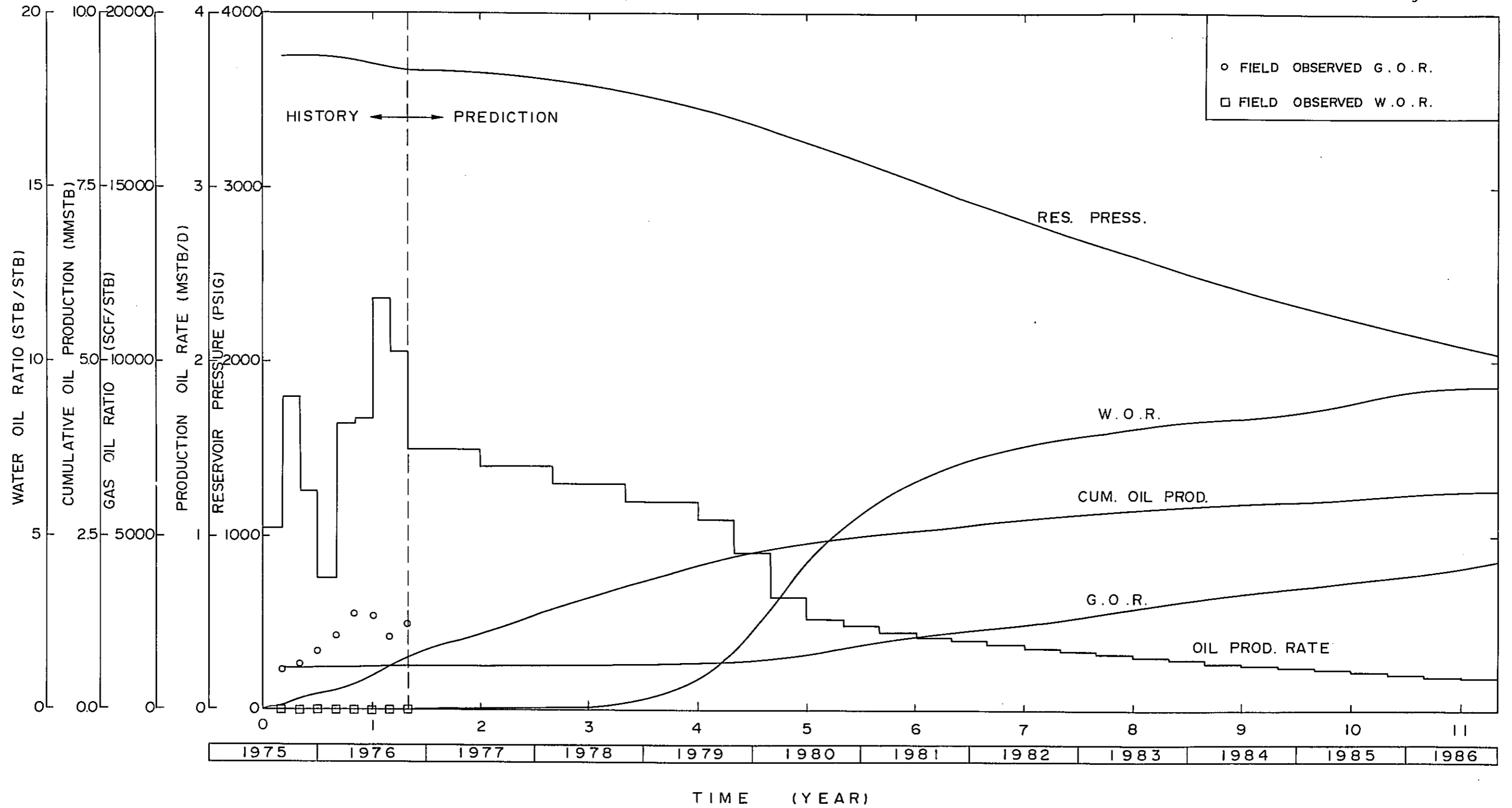


Fig. 2-3-28 PREDICTED PERFORMANCE OF C ZONE, WELL FB-29, FAIRLEY
 Vol. IV BARAM FIELD, CASE 1

Fig. 2-3-29

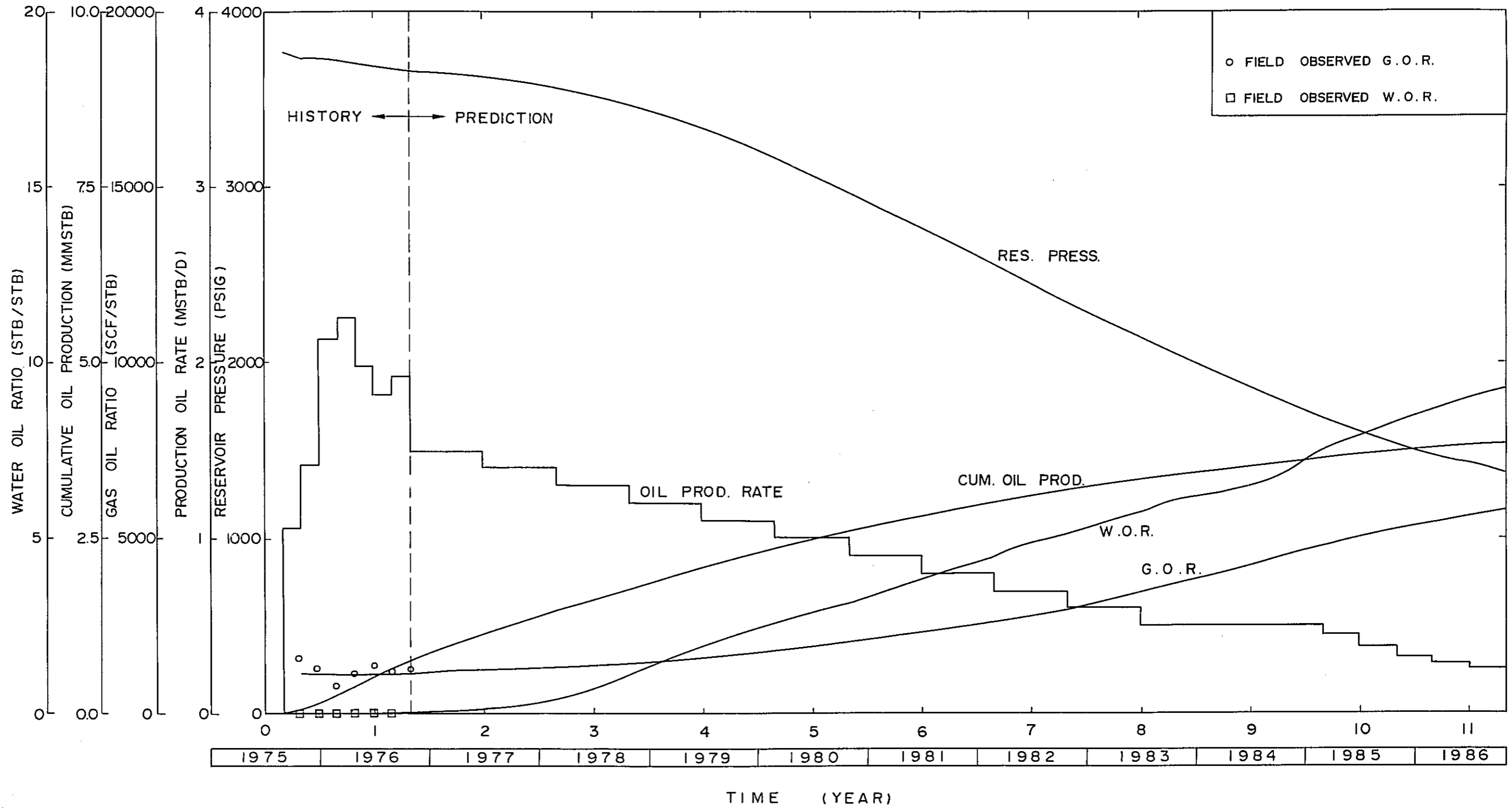


Fig. 2-3-29
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-2, FAIRLEY
BARAM FIELD, CASE 2

Fig. 2-3-30

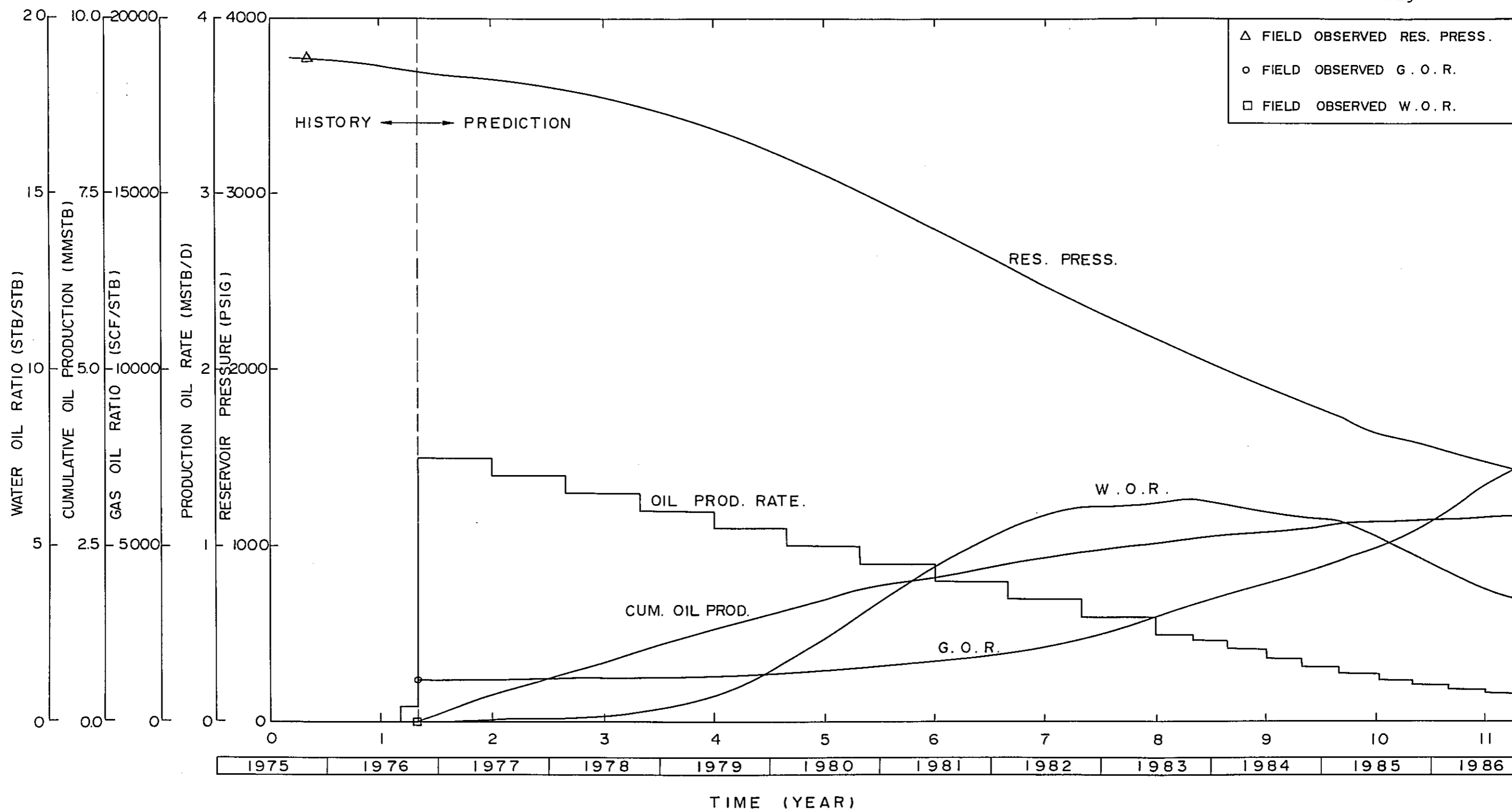


Fig. 2-3-30
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-3, FAIRLEY
BARAM FIELD, CASE 2

Fig. 2-3-31

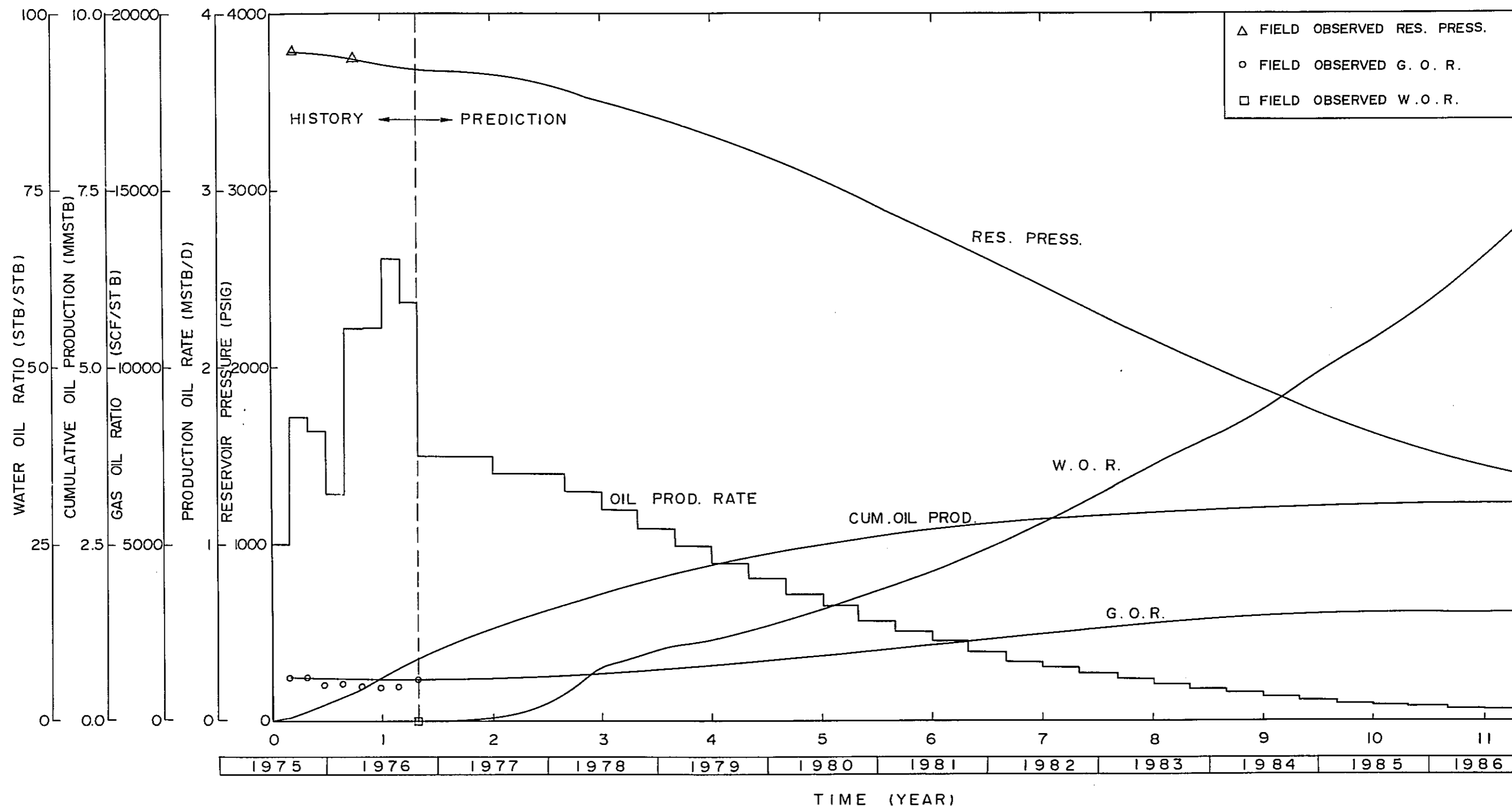


Fig. 2-3-31
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-11, FAIRLEY
BARAM FIELD, CASE 2

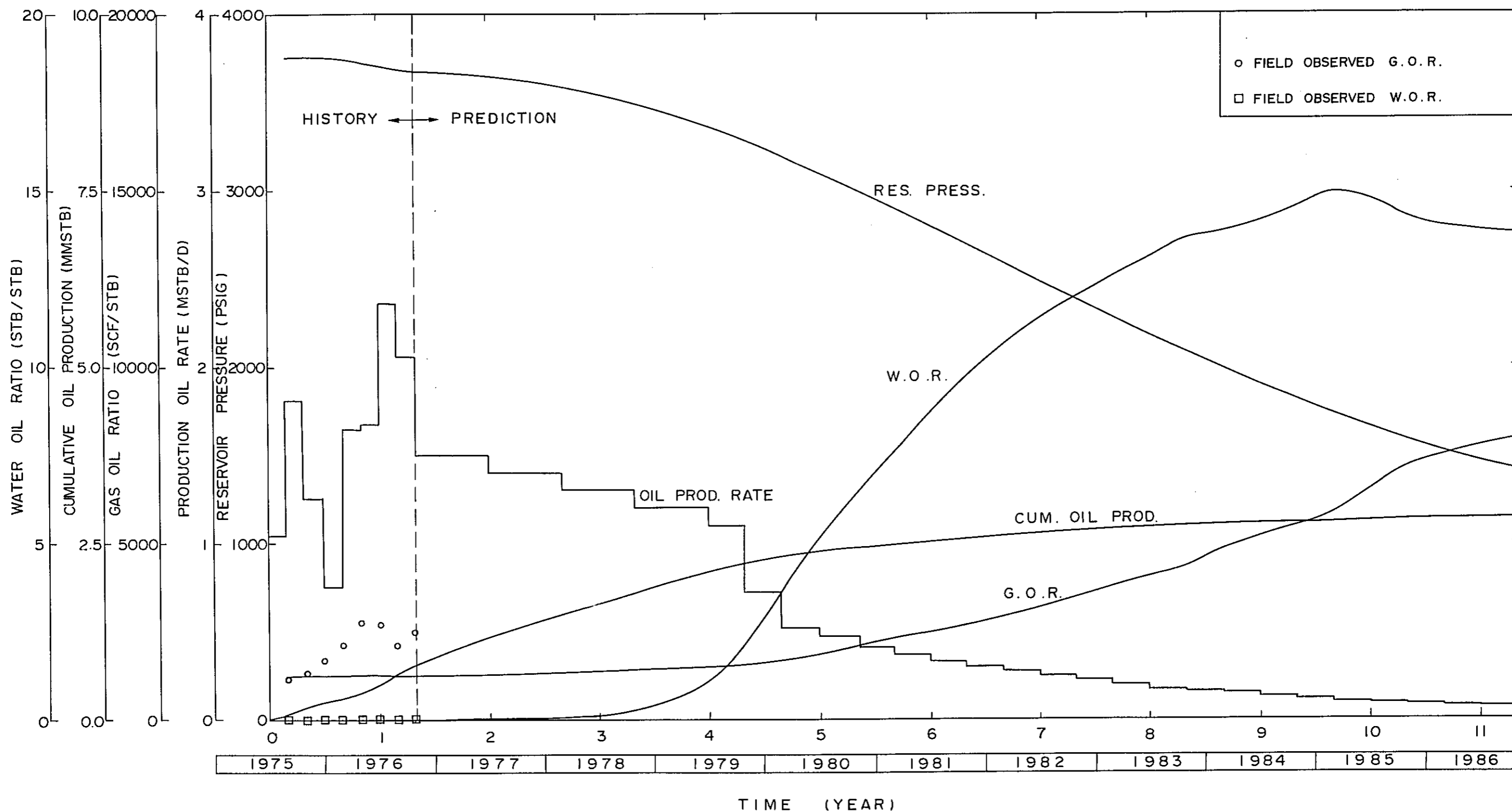


Fig. 2-3-32
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-29, FAIRLEY
BARAM FIELD, CASE 2

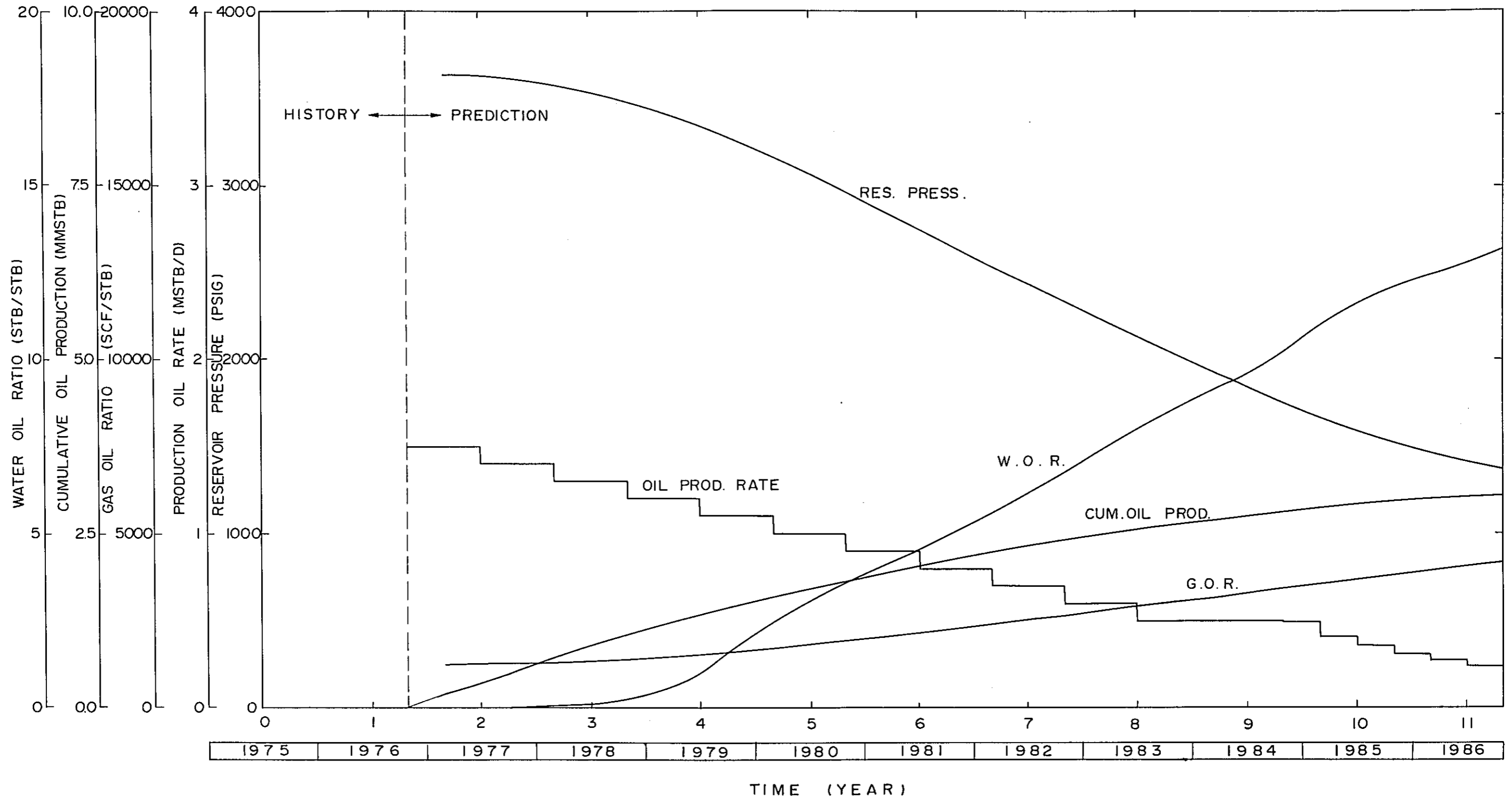


Fig. 2-3-33
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-A1, FAIRLEY
BARAM FIELD, CASE 2

Fig. 2-3-34

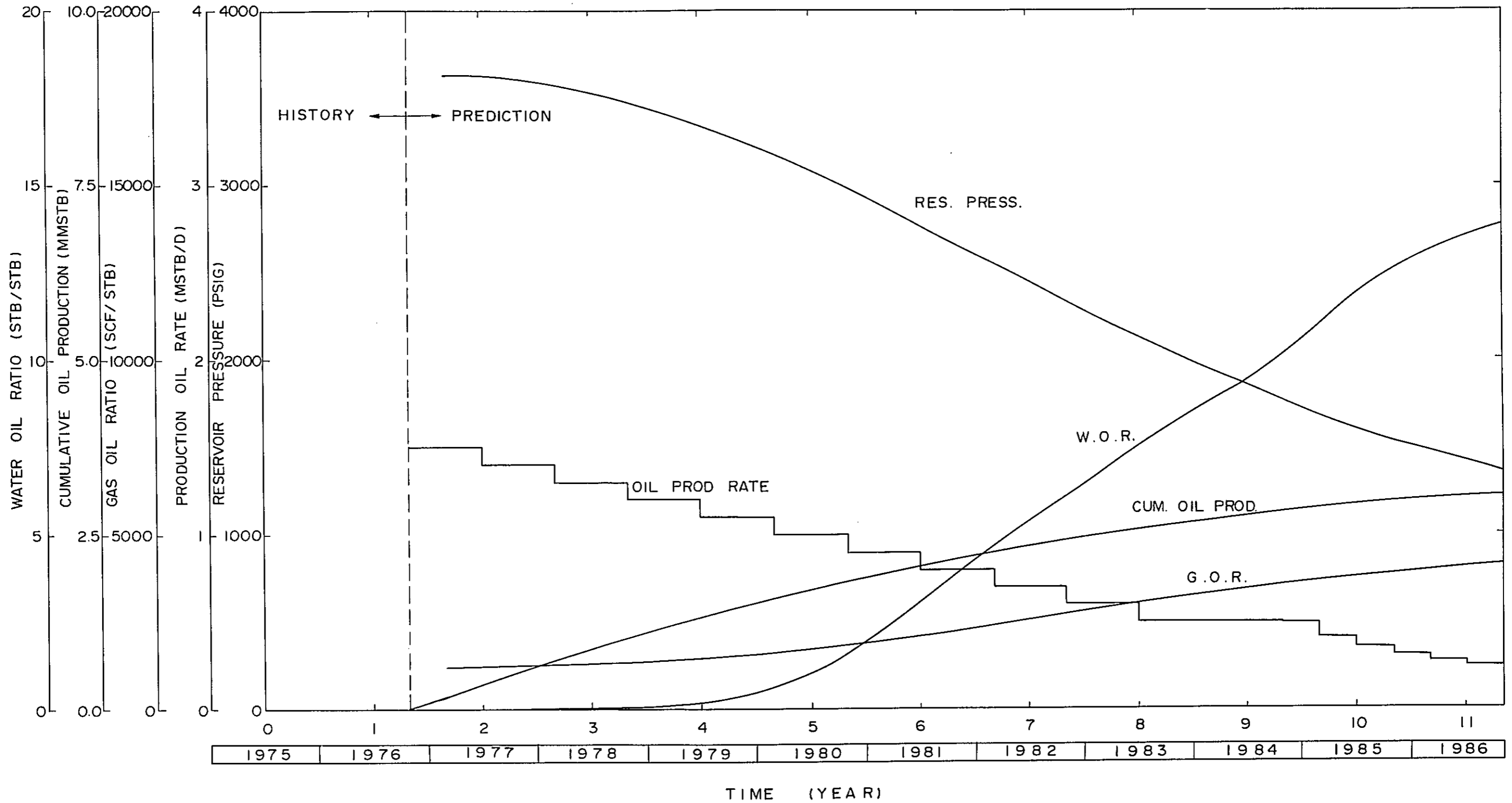


Fig. 2-3-34
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WELL FB-A2, FAIRLEY
BARAM FIELD, CASE 2

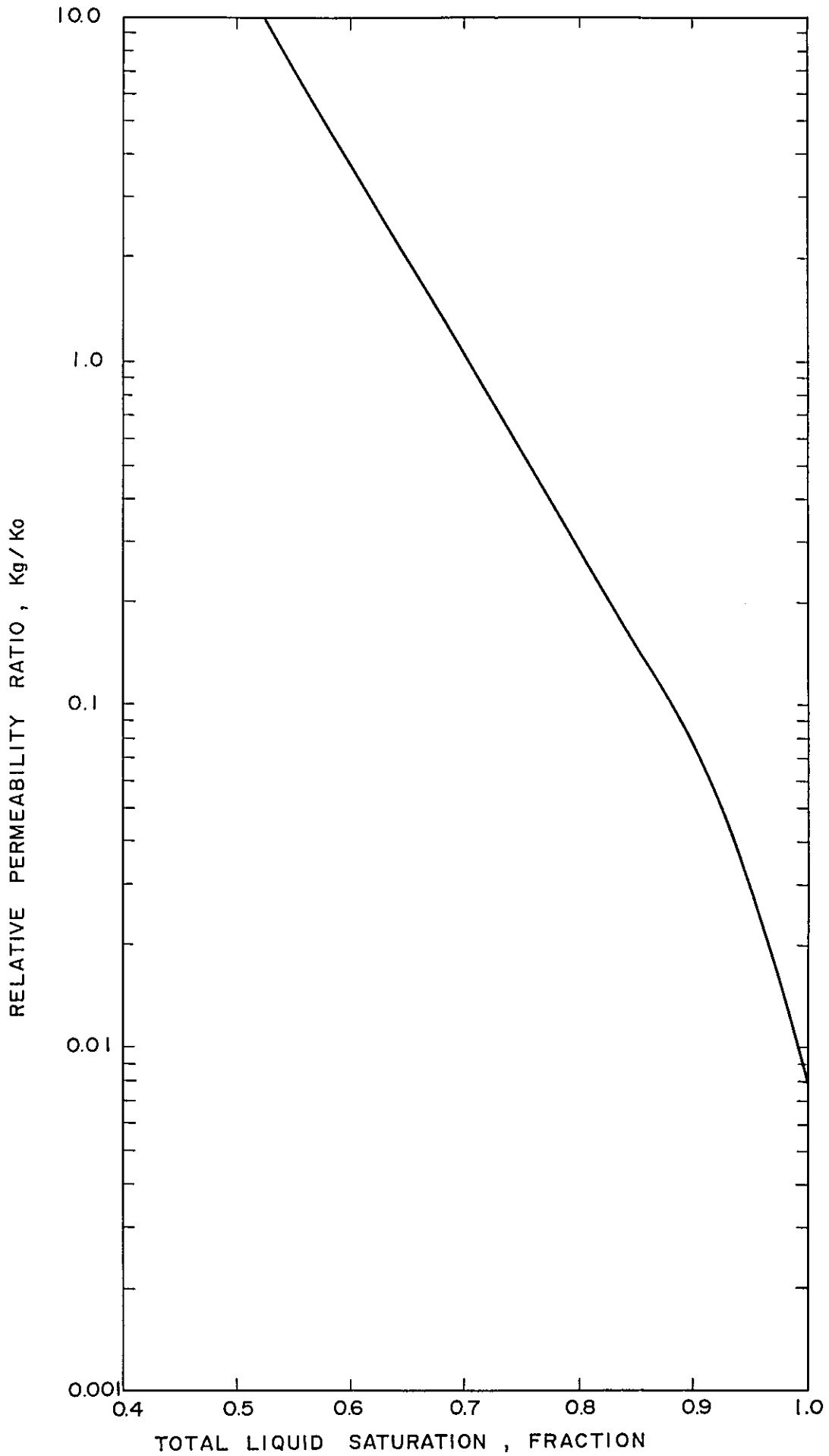


Fig. 2-3-35 GAS-OIL RELATIVE PERMEABILITY RATIO OF A ZONE, FAIRLEY BARAM FIELD
Vol. IV

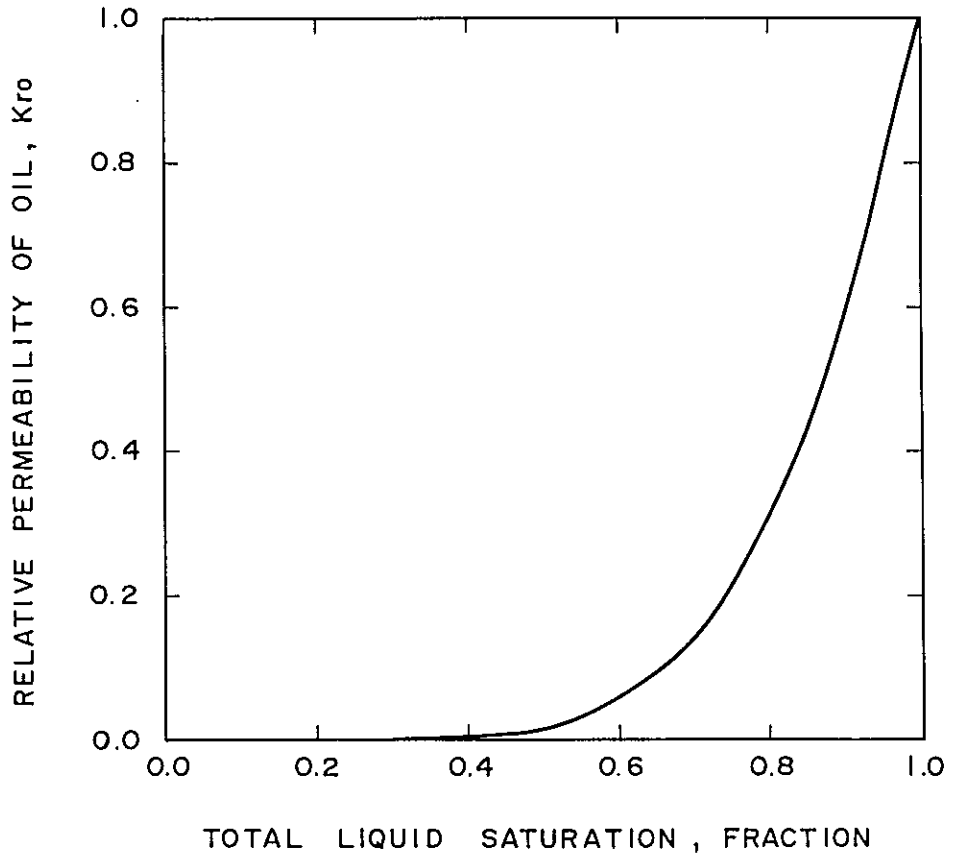


Fig. 2-3-36
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
A ZONE, FAIRLEY BARAM FIELD

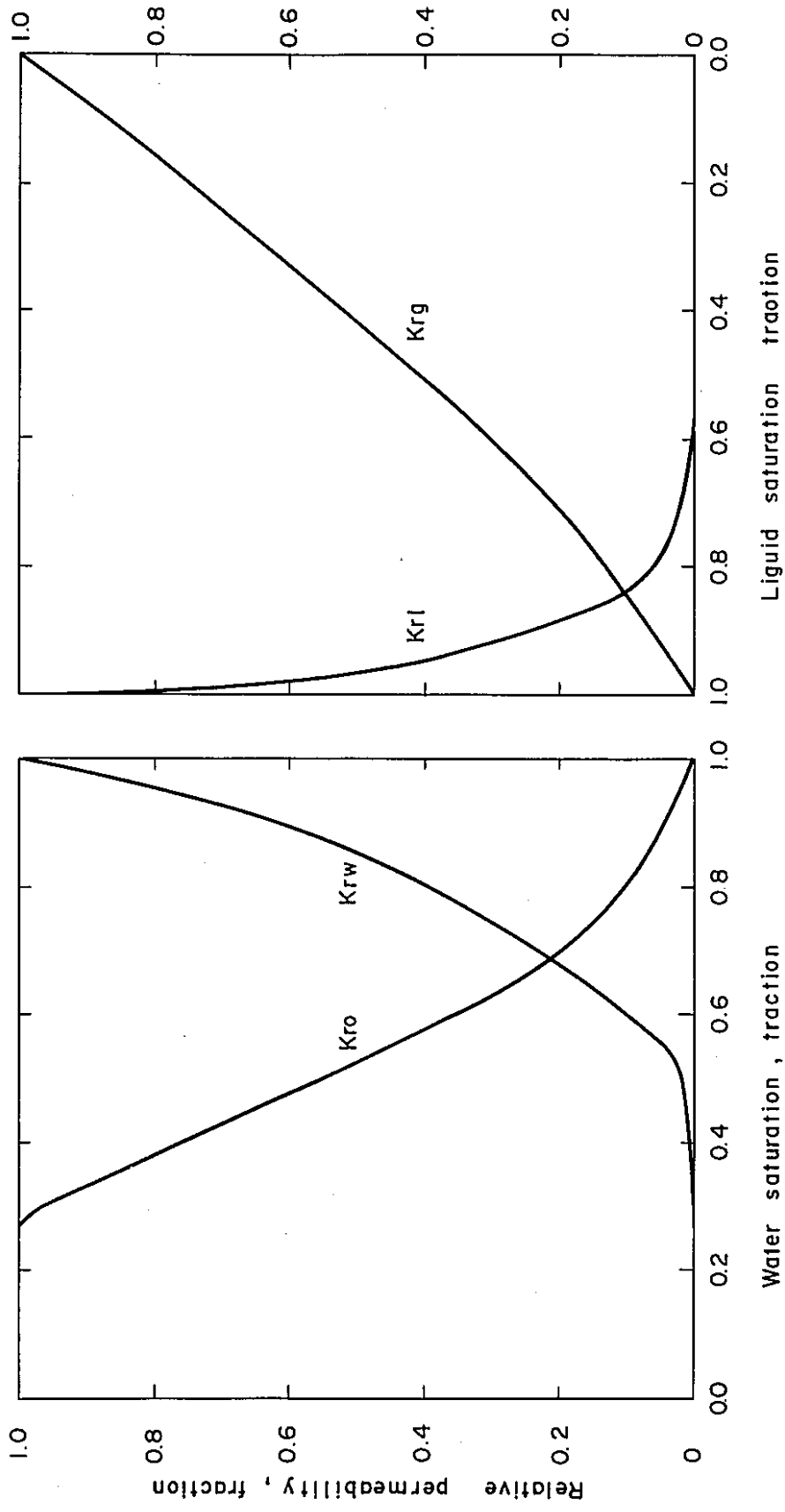


Fig. 2-3-37 OIL-WATER RELATIVE PERMEABILITY AND GAS-LIQUID RELATIVE PERMEABILITY CURVES OF B ZONE, FAIRLEY BARAM FIELD Vol. IV

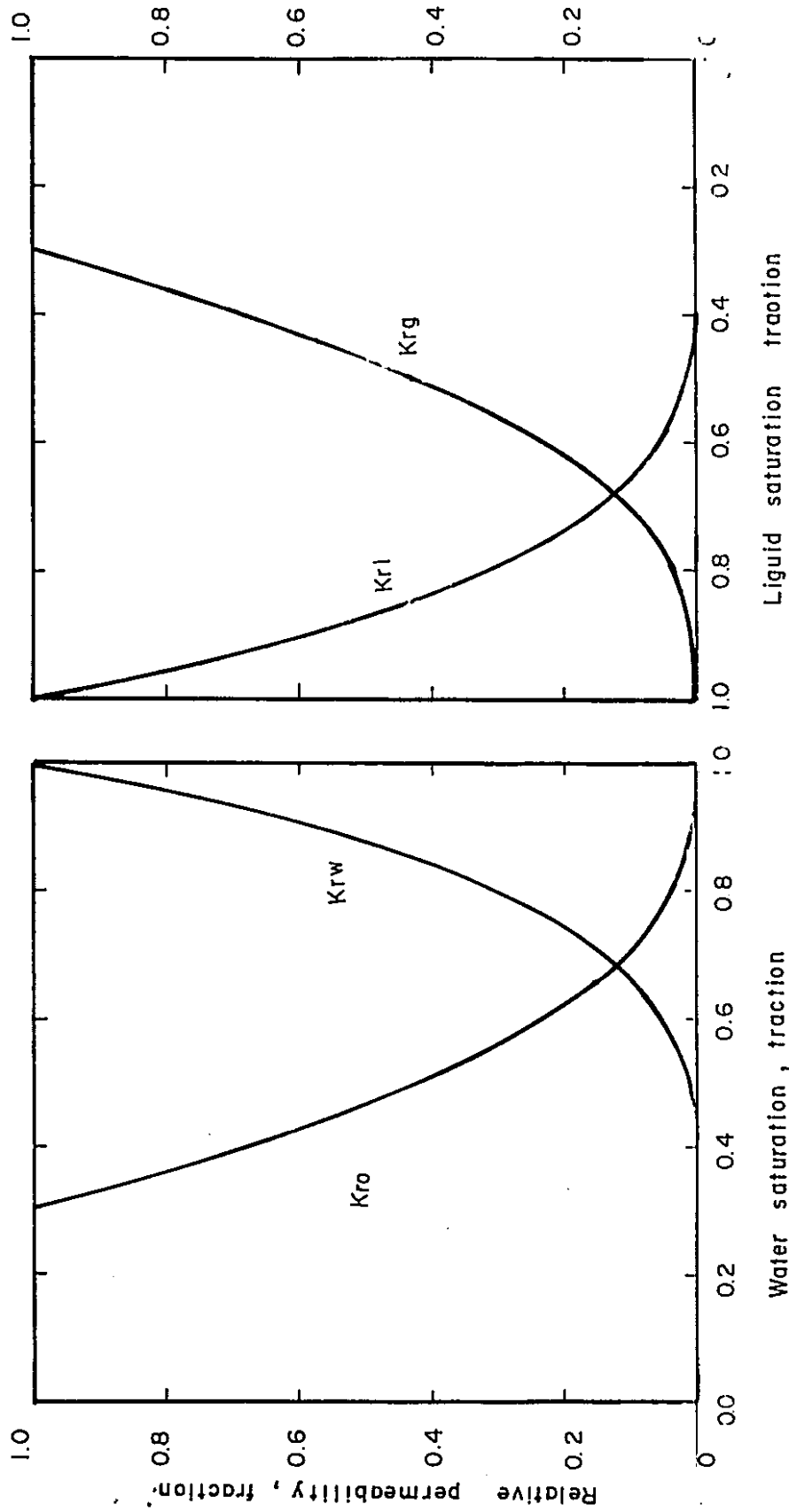


Fig. 2-3-38 OIL-WATER RELATIVE PERMEABILITY AND GAS-LIQUID PERMEABILITY
 Vol. IV CURVES OF C ZONE, FAIRLEY BARAM FIELD

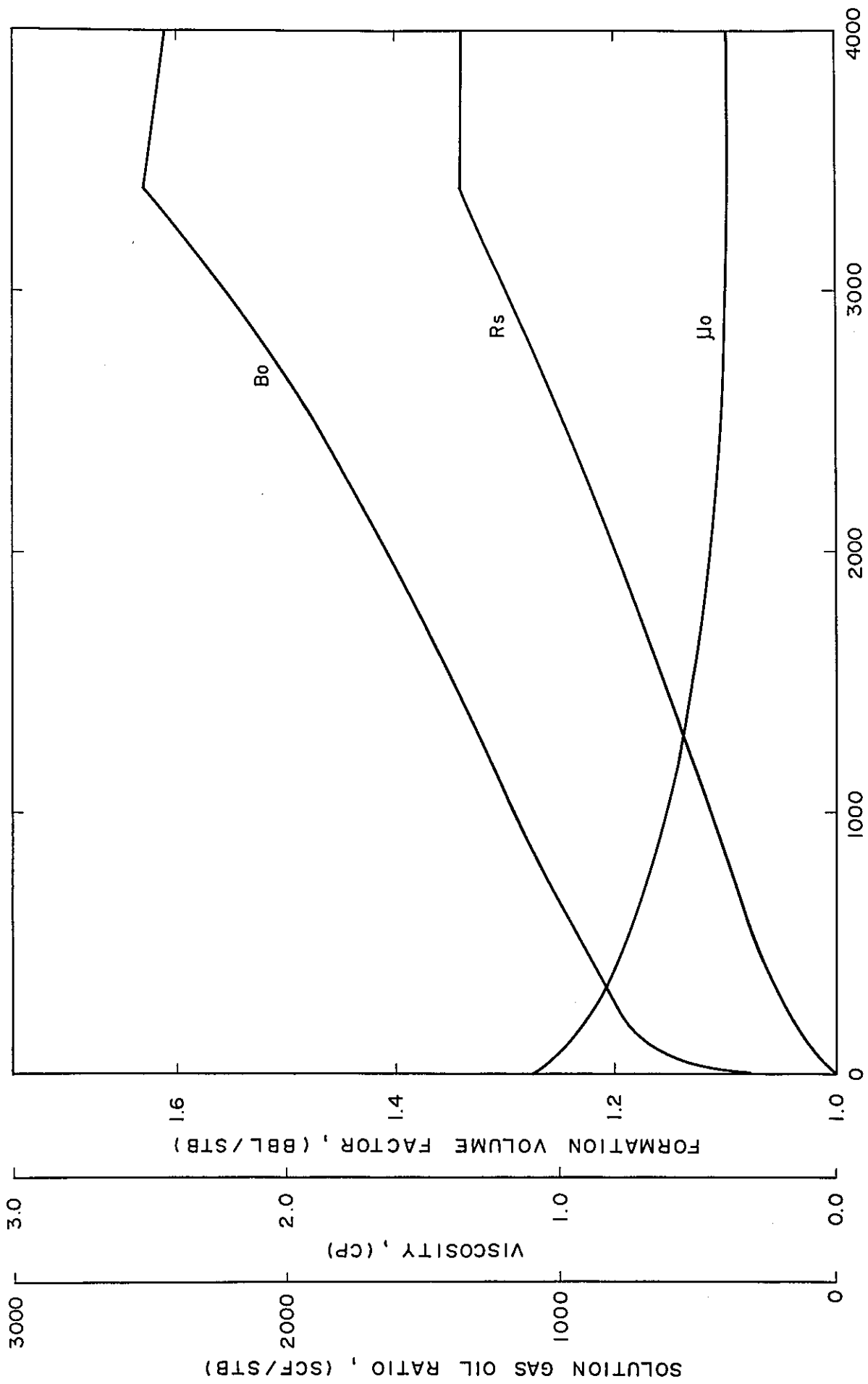


Fig. 2-3-39 OIL PROPERTIES OF A ZONE, FAIRLEY BARAM FIELD
Vol. IV

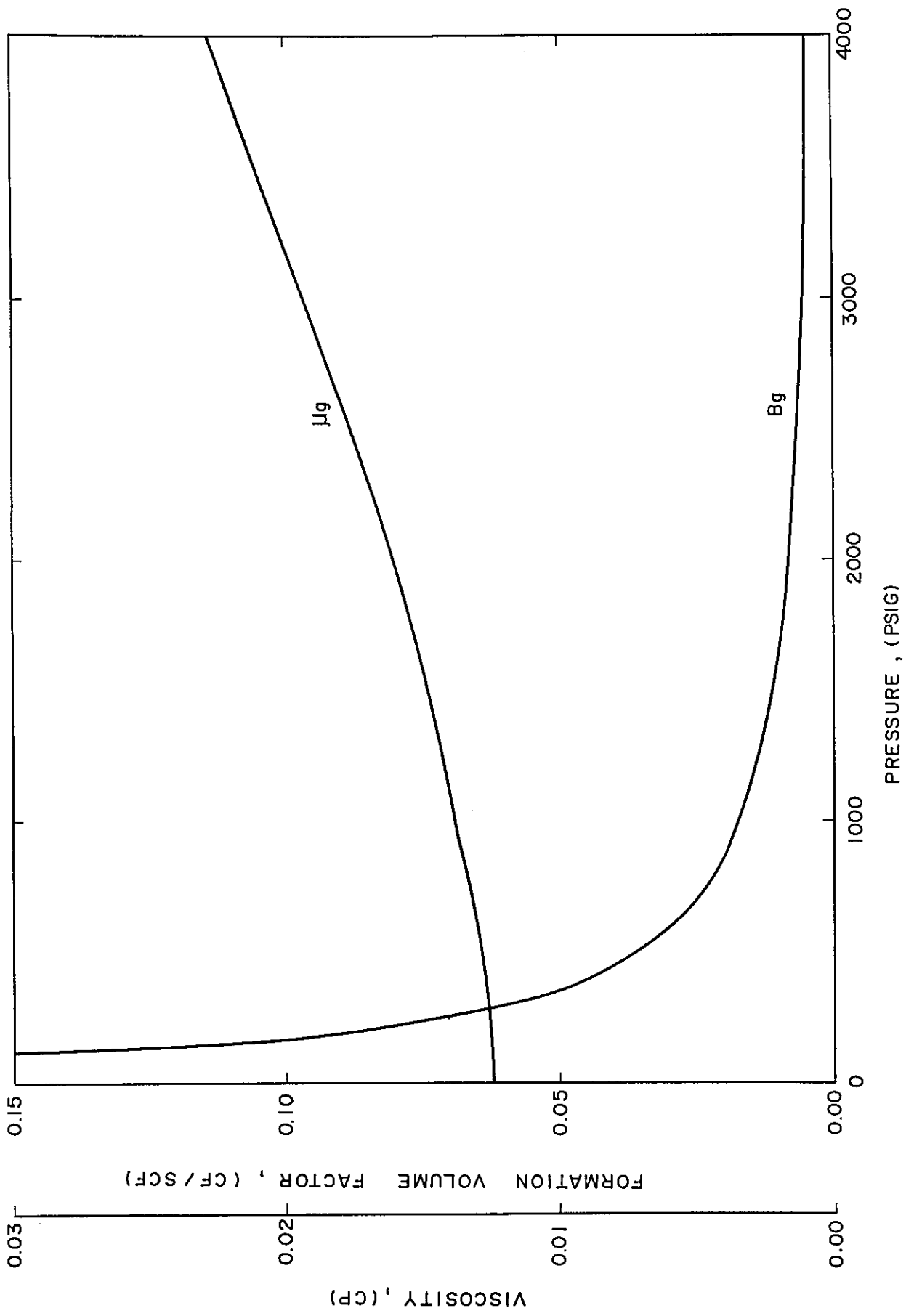


Fig. 2-3-40 GAS PROPERTIES OF A ZONE, FAIRLEY BARAM FIELD
Vol. IV

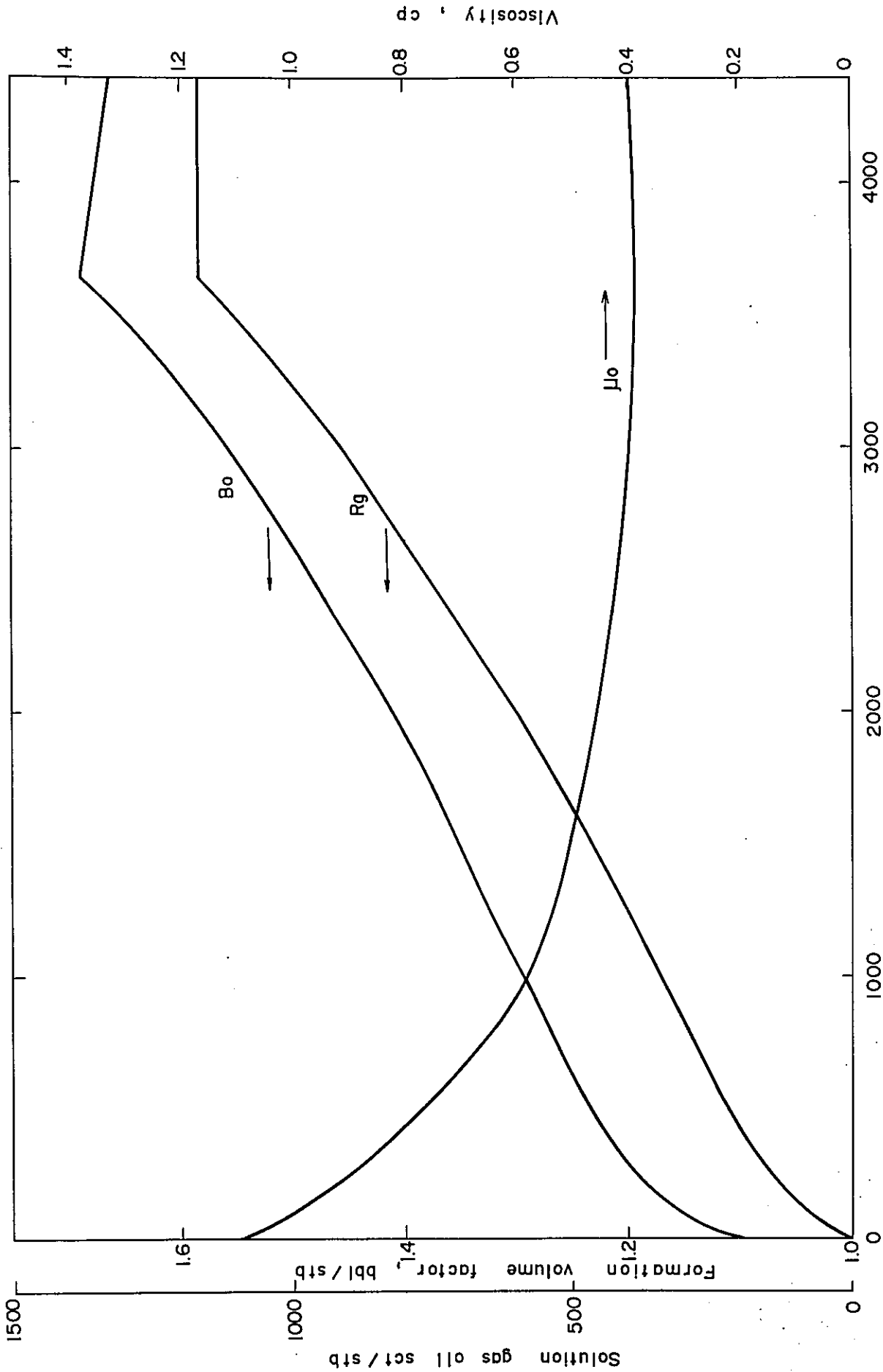


Fig. 2-3-41 OIL PROPERTIES OF B ZONE, FAIRLEY BARAM FIELD
Vol. IV

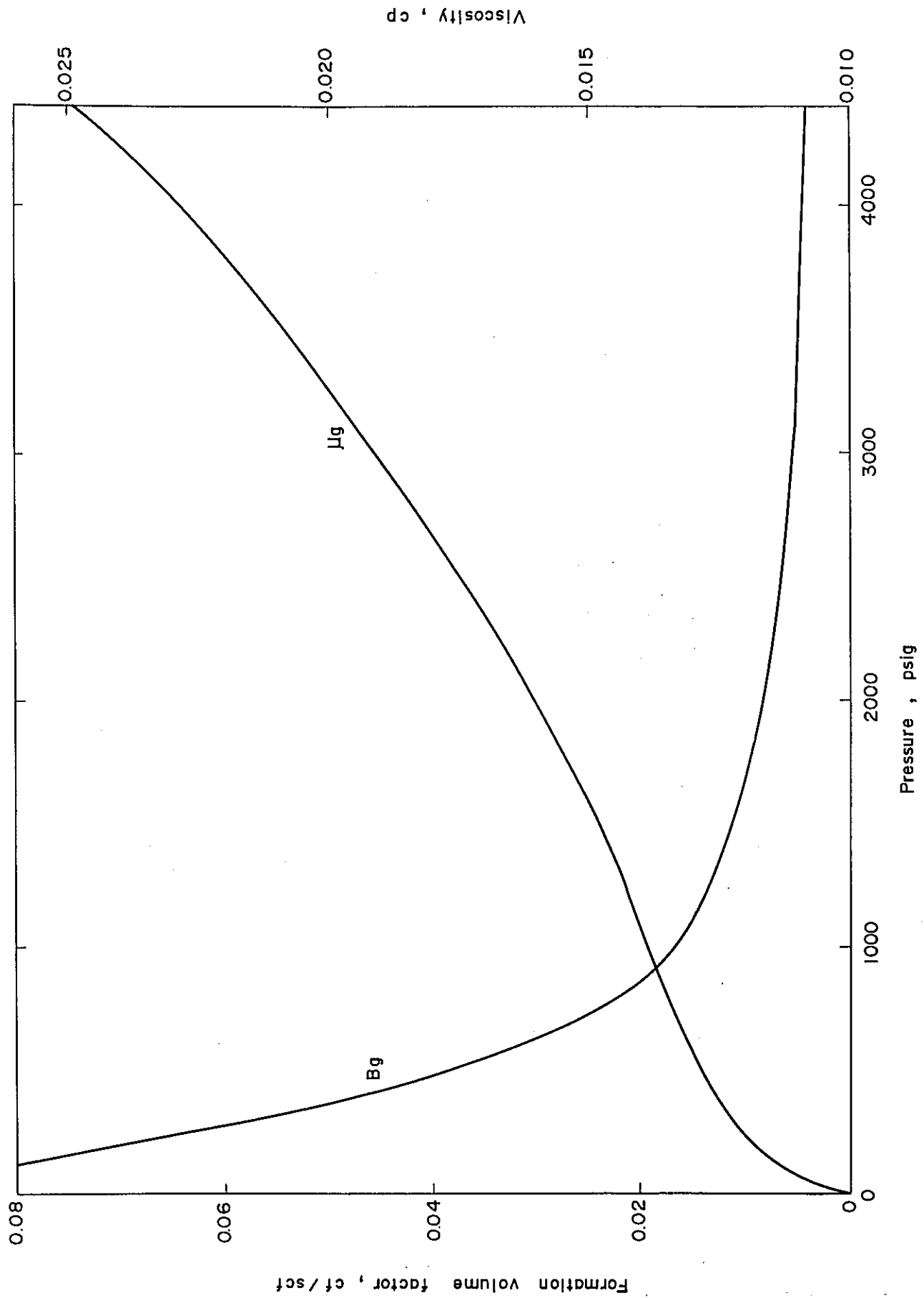


Fig. 2-3-42 GAS PROPERTIES OF B ZONE, FAIRLEY BARAM FIELD
Vol. IV

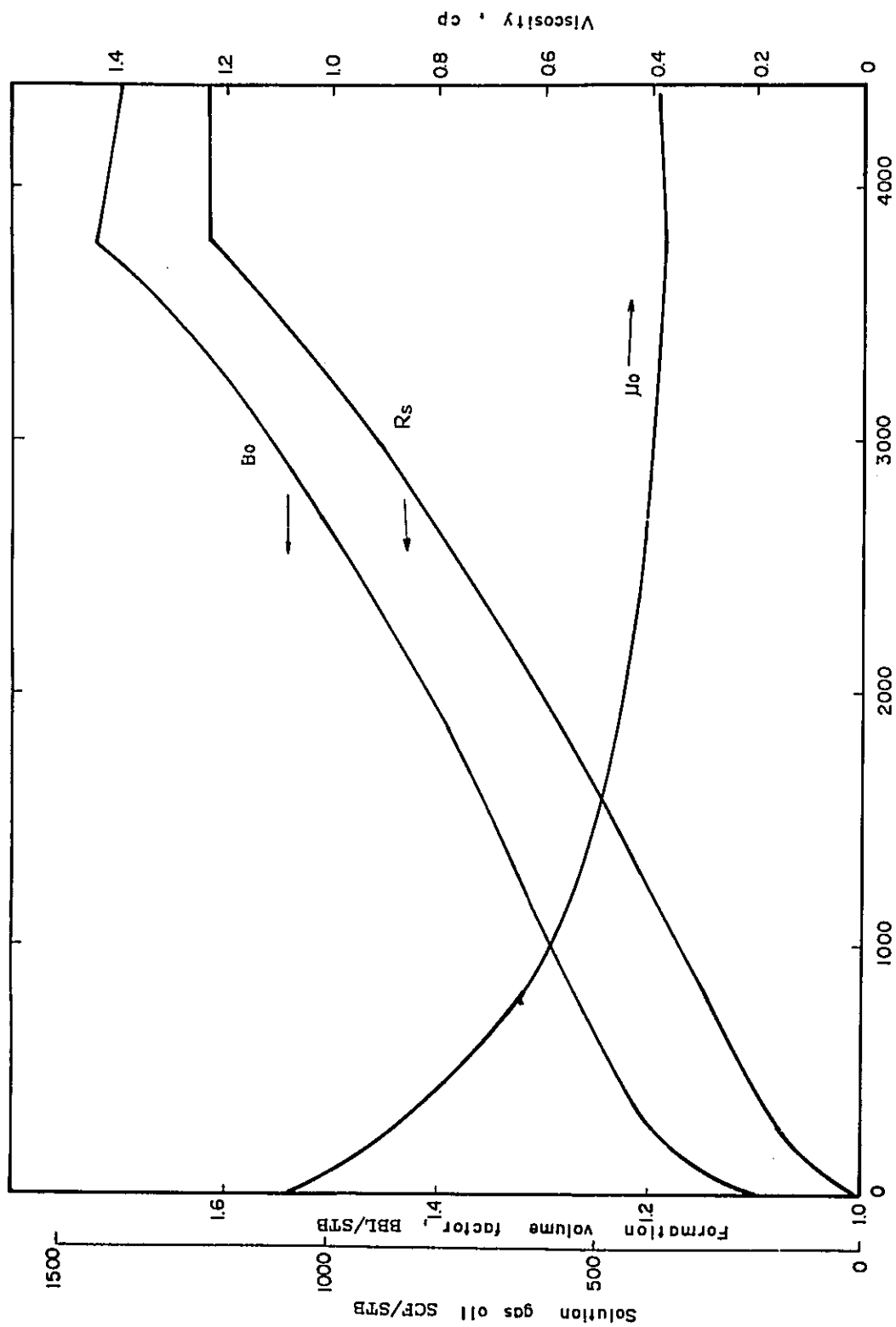


Fig. 2-3-43 OIL PROPERTIES OF C ZONE, FAIRLEY BARAM FIELD
Vol. IV

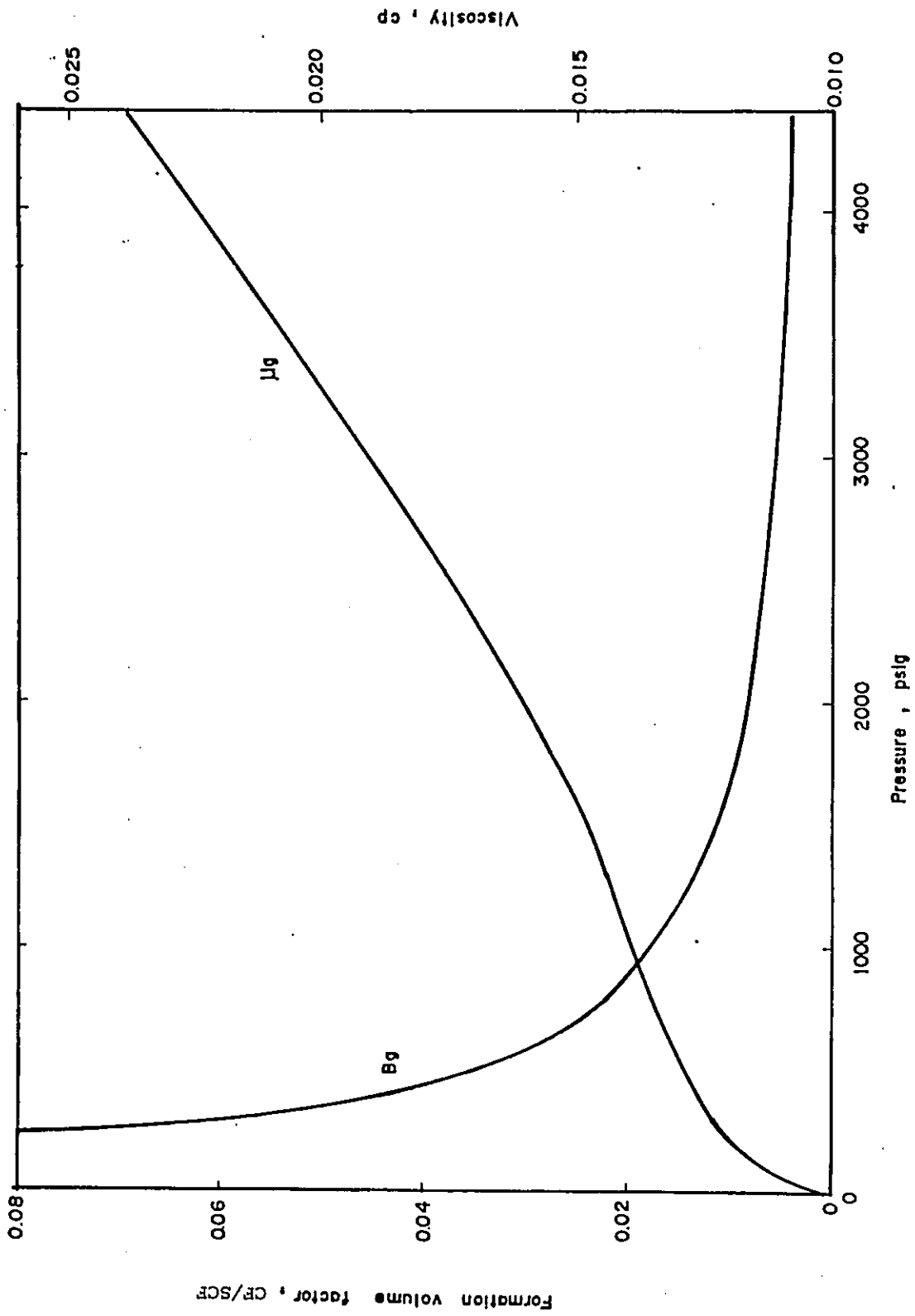


Fig. 2-3-44 GAS PROPERTIES OF C ZONE, FAIRLEY BARAM FIELD

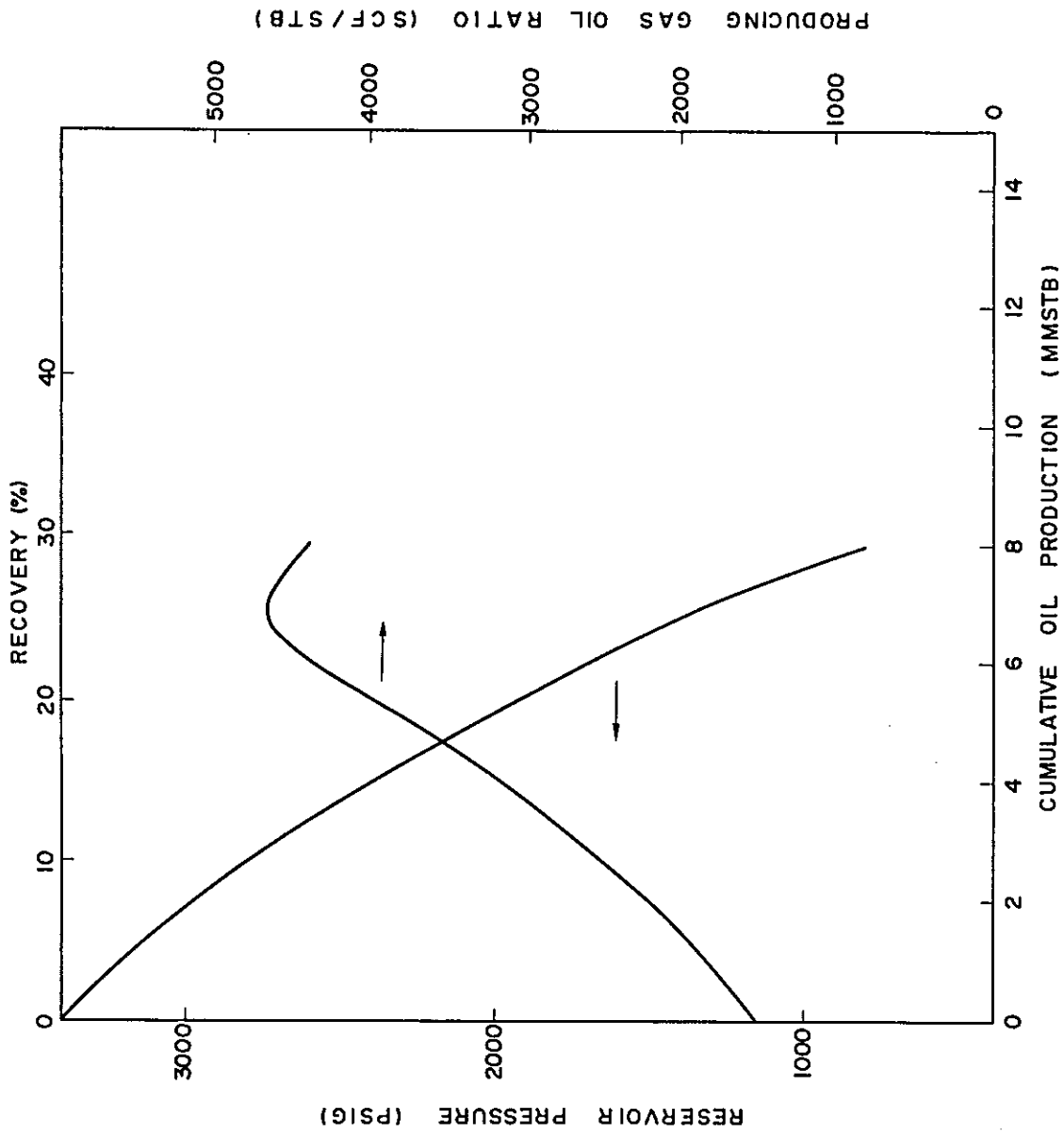


Fig. 2-3-45 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF A ZONE, FAIRLEY
 BARAM FIELD

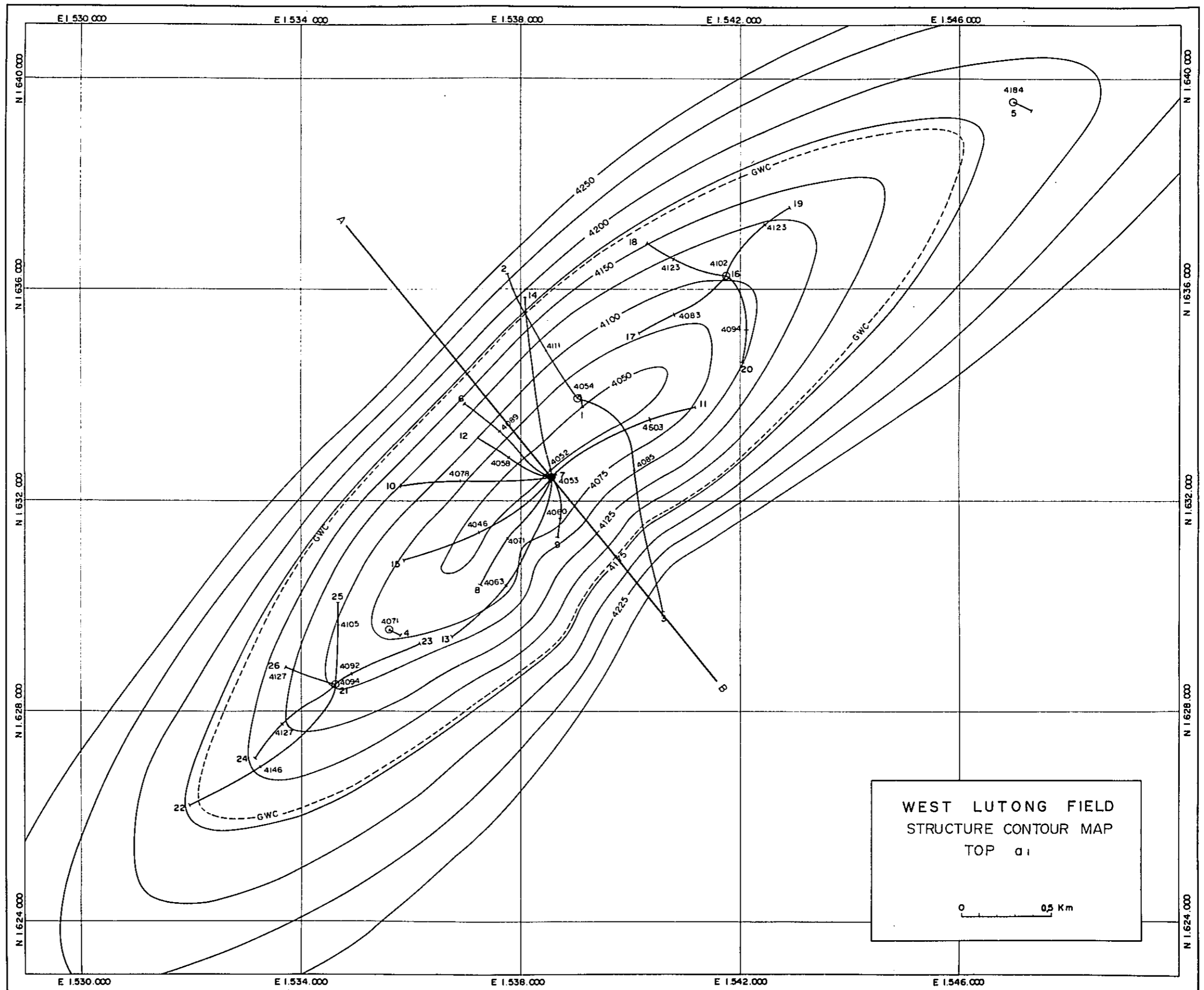


Fig. 3-2-1
Vol. IV

STRUCTURE CONTOUR MAP, W. LUTONG FIELD, TOP a1

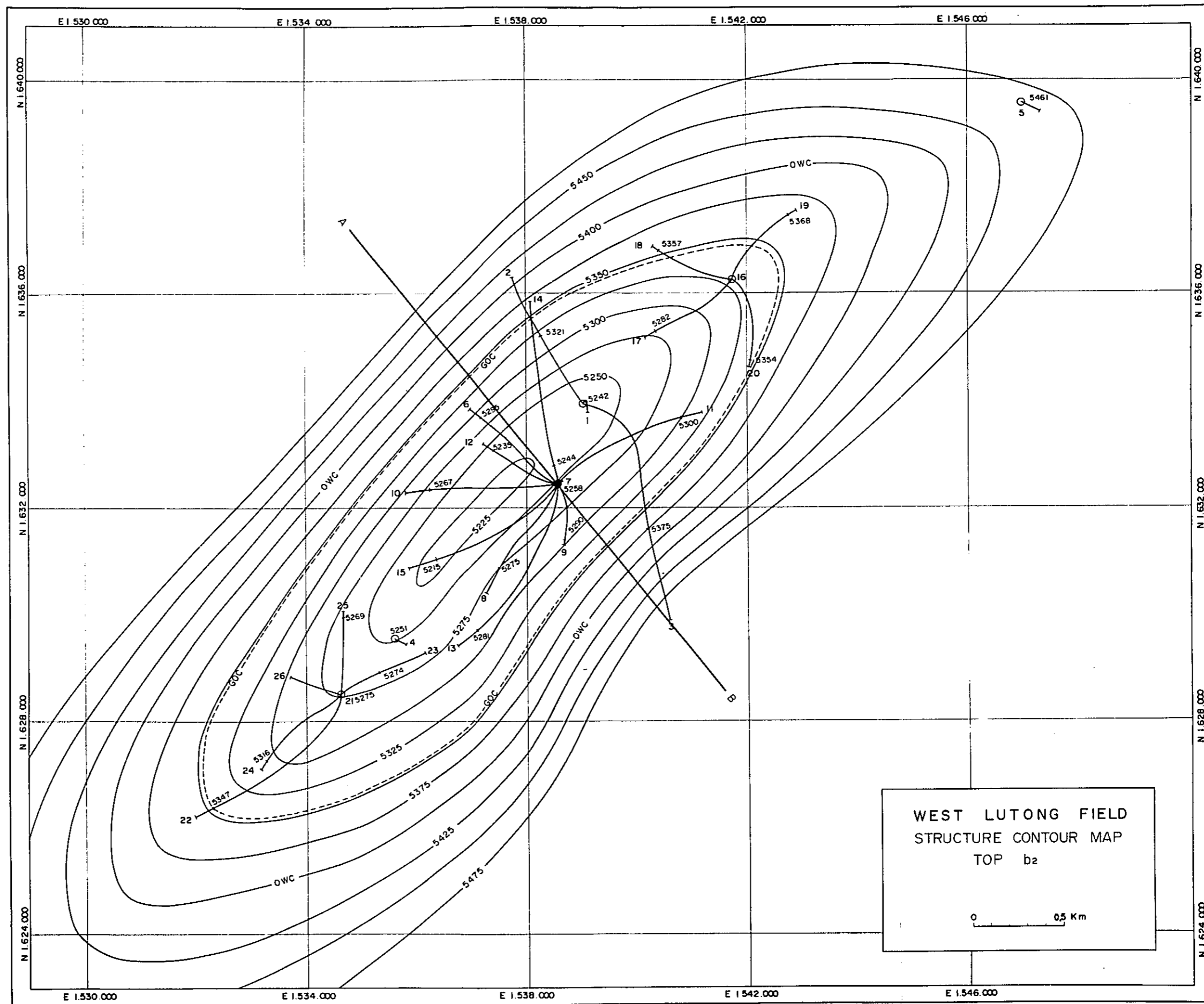


Fig. 3-2-2
Vol. IV

STRUCTURE CONTOUR MAP, W. LUTONG FIELD, TOP b2

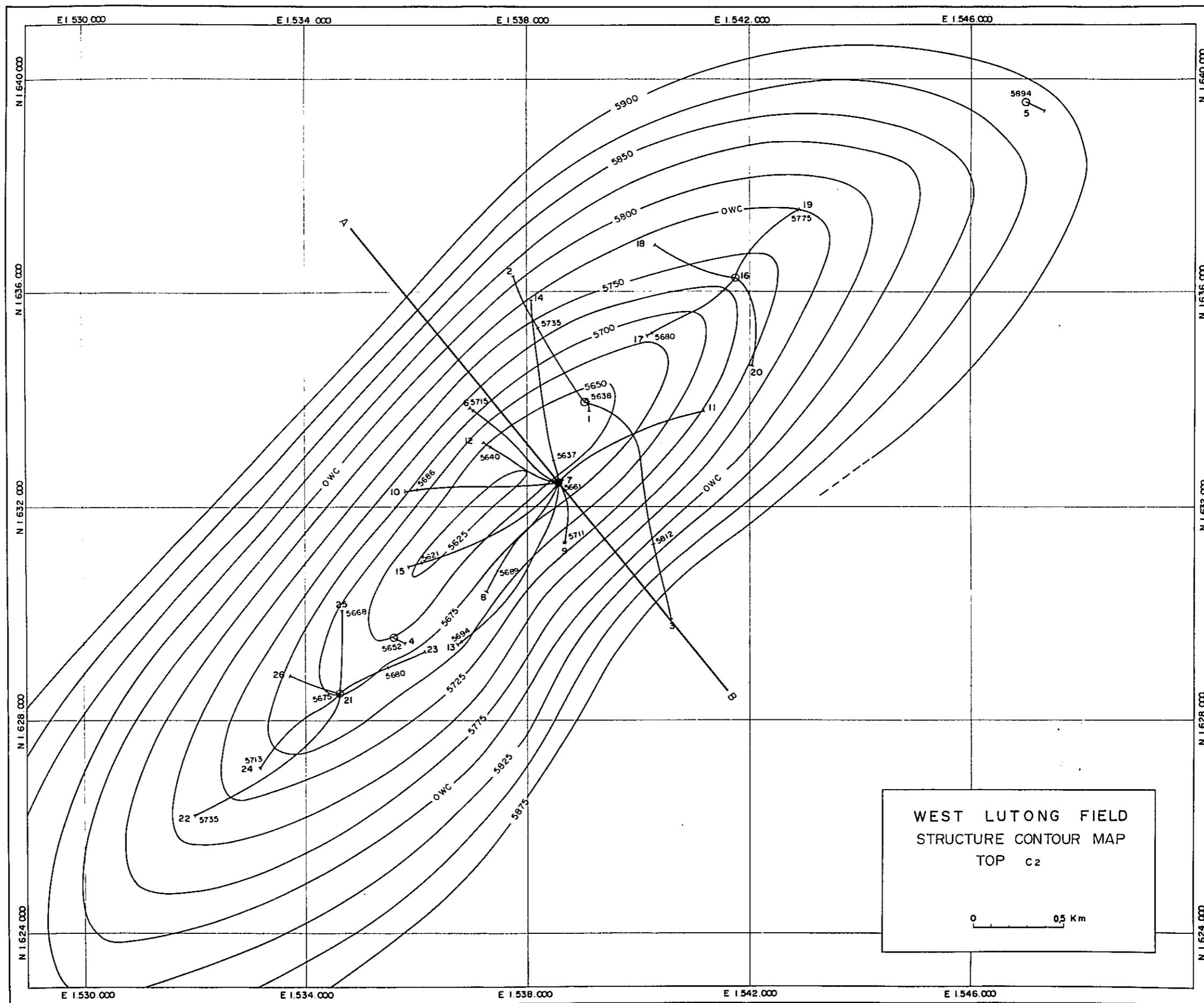


Fig. 3-2-3
Vol. IV

STRUCTURE CONTOUR MAP, W. LUTONG FIELD, TOP c2

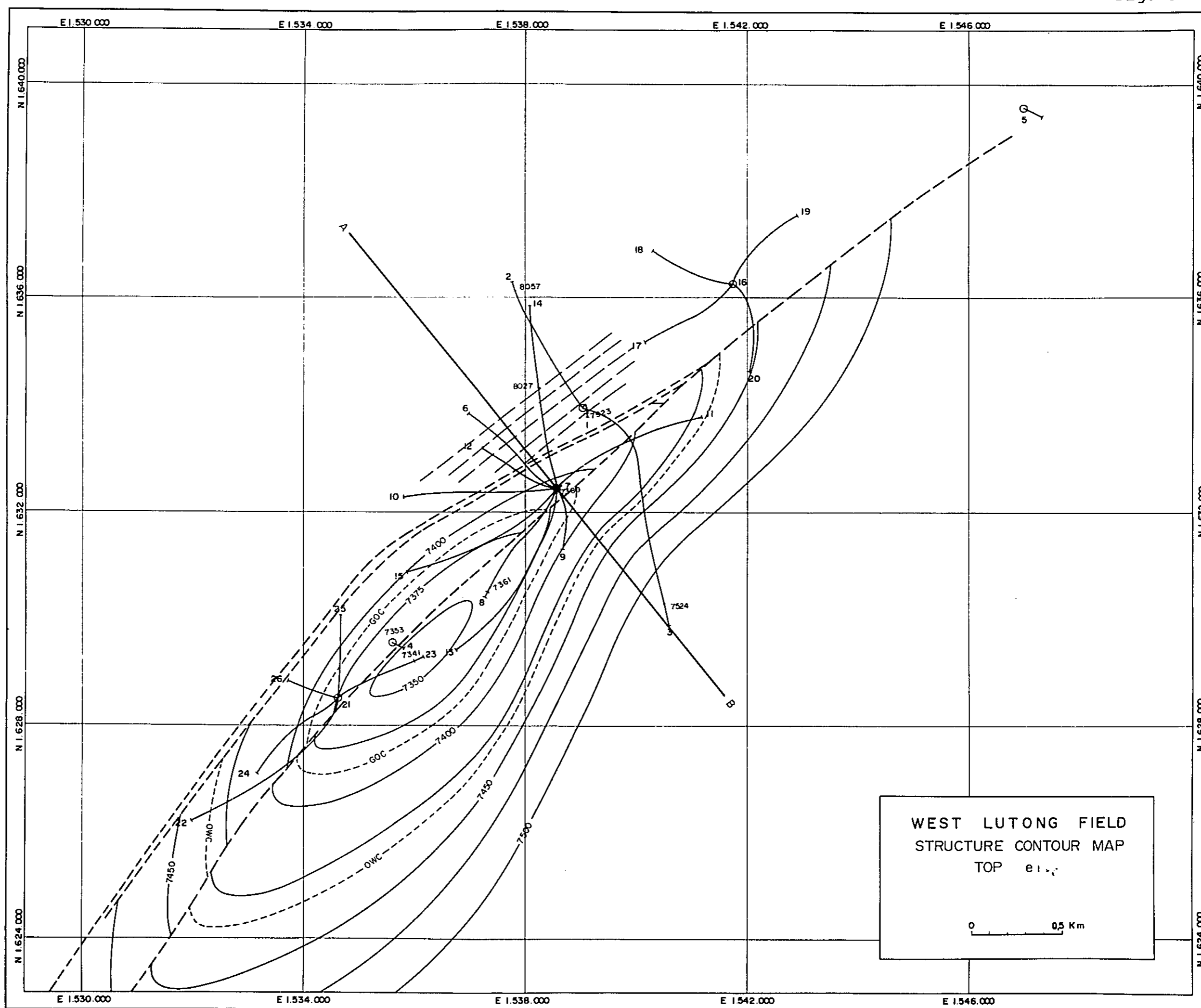


Fig. 3-2-4
Vol. IV

STRUCTURE CONTOUR MAP, W. LUTONG FIELD, TOP el

STRUCTURAL CROSS-SECTION WEST LUTONG FIELD

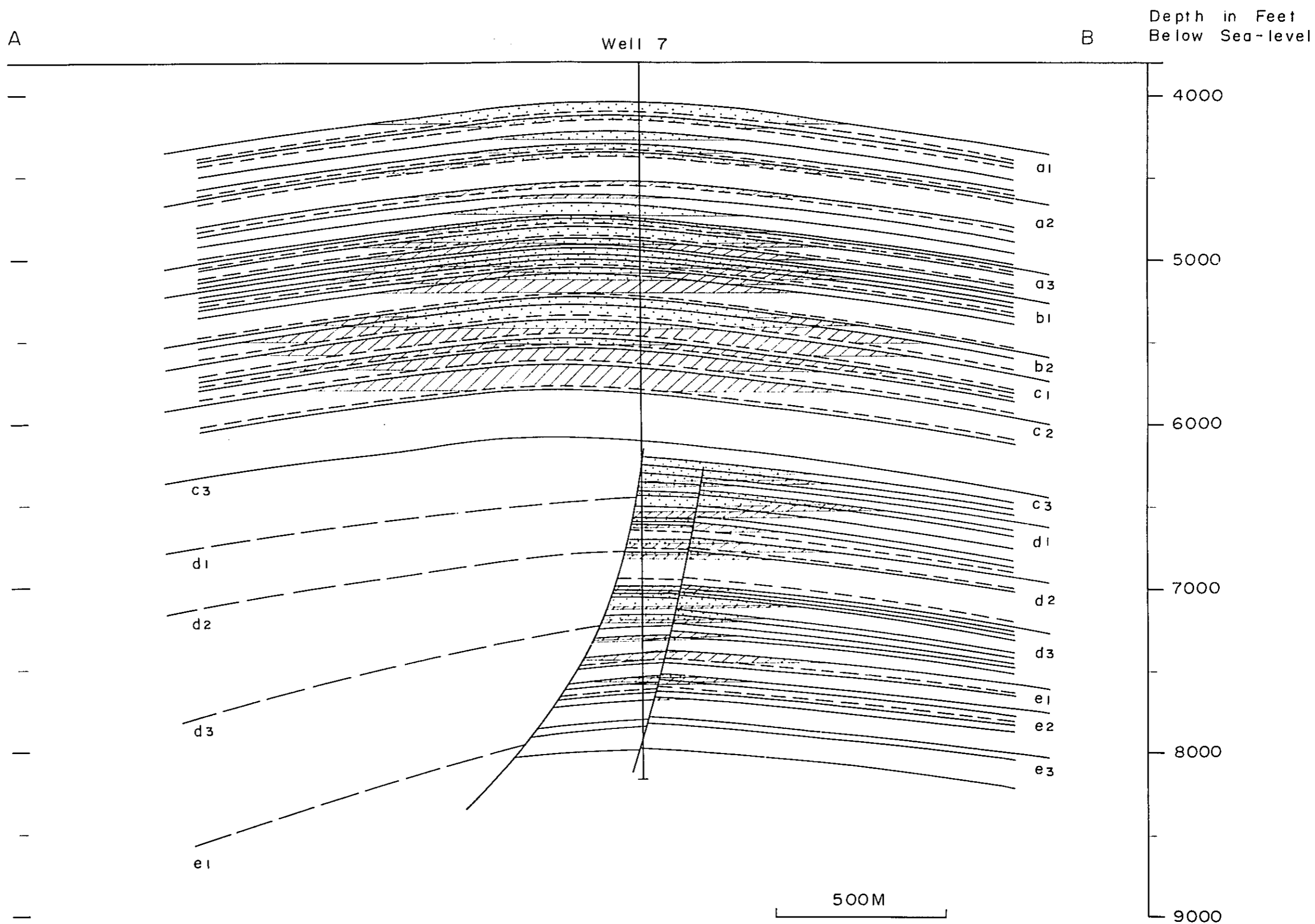
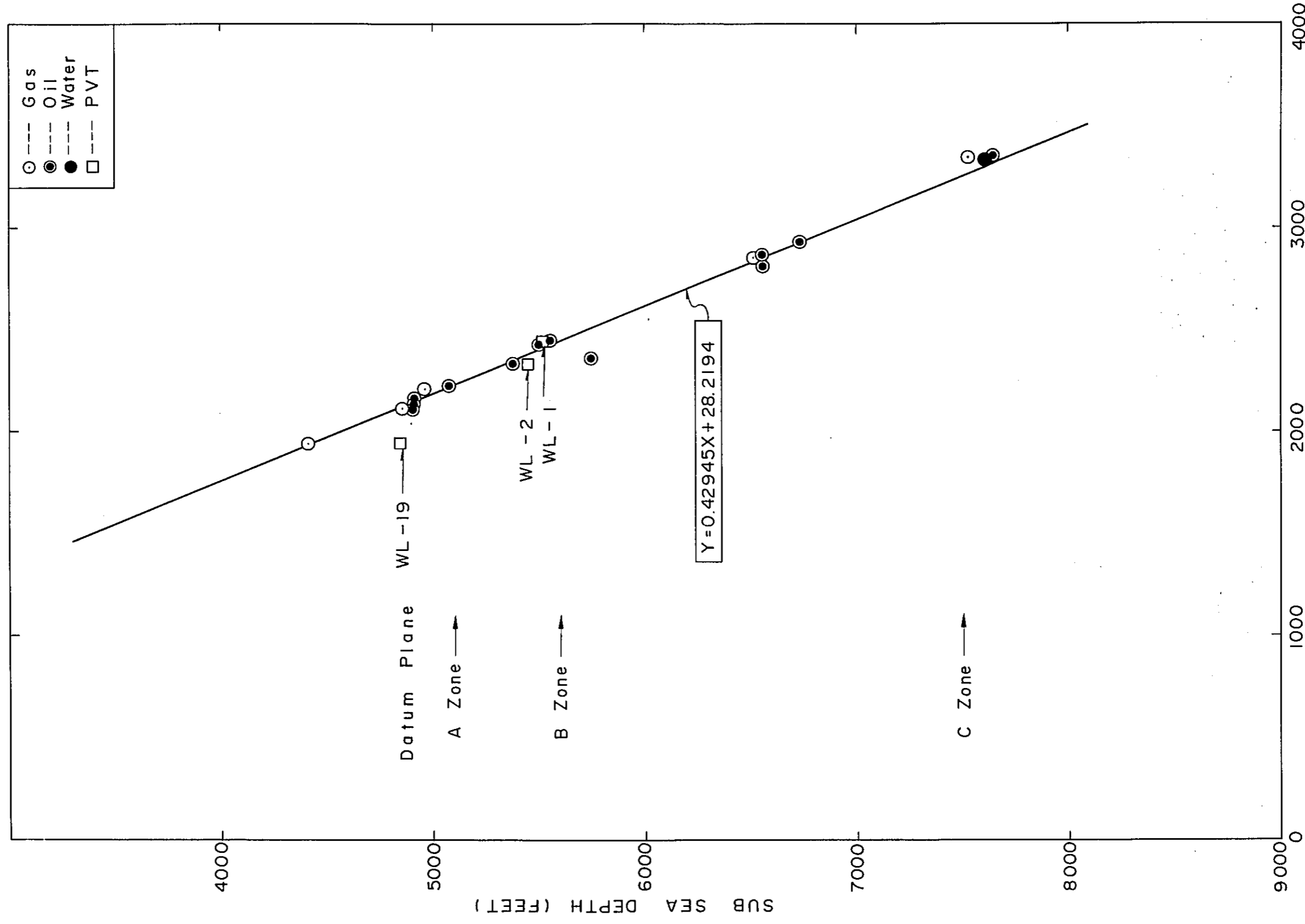


Fig. 3-2-5
Vol. IV

STRUCTURE CROSS-SECTION, W. LUTONG FIELD



RESERVOIR PRESSURE (PSIG)

Fig. 3-3-1 RESERVOIR PRESSURE VS. DEPTH, WEST LUTONG FIELD
Vol. IV

Fig. 3-3-2

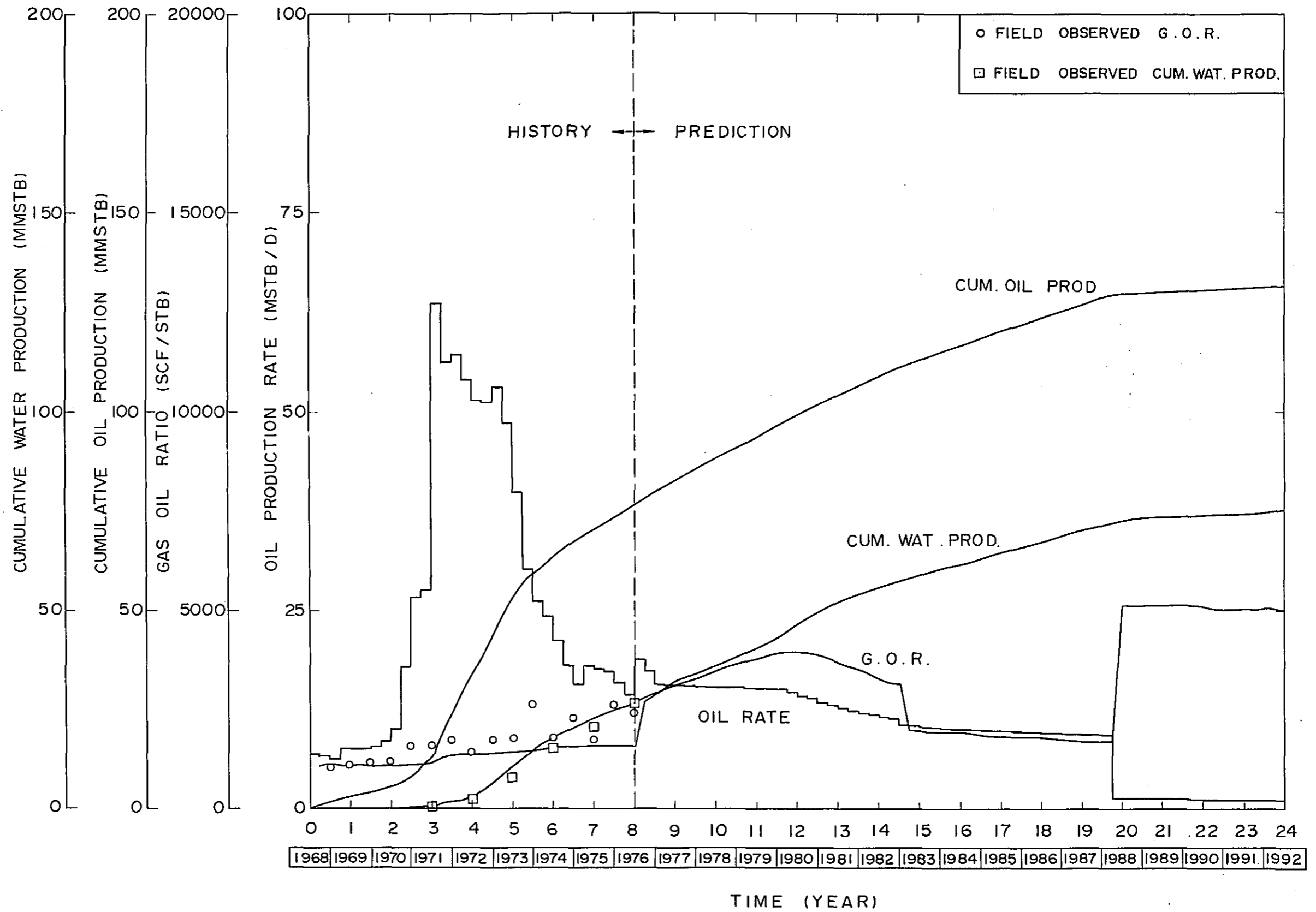


Fig. 3-3-2
Vol. IV

PREDICTED PERFORMANCE OF WEST LUTONG FIELD

Fig. 3-3-3

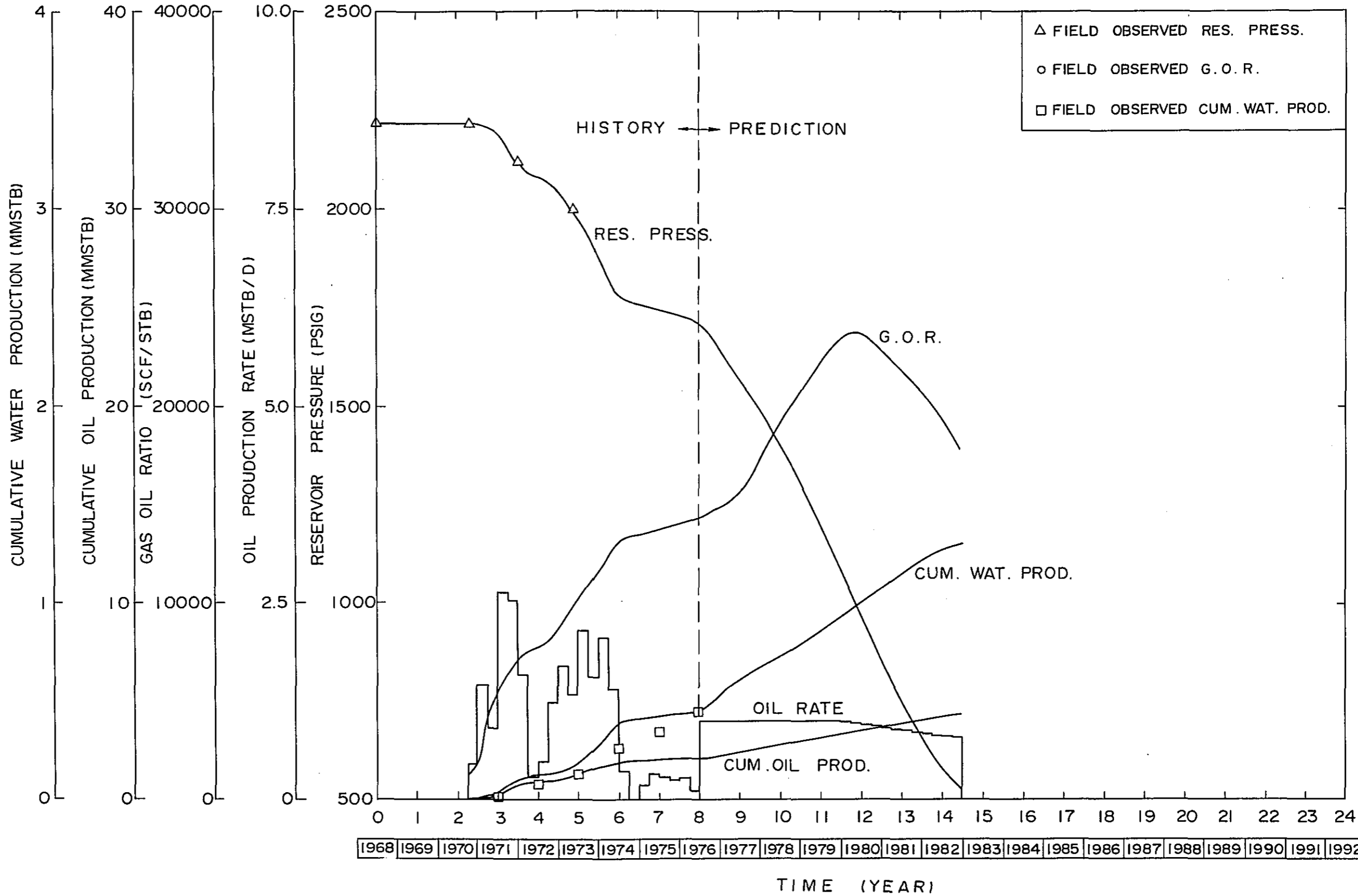


Fig. 3-3-3
Vol. IV

PREDICTED PERFORMANCE OF A ZONE, WEST LUTONG FIELD

Fig. 3-3-4

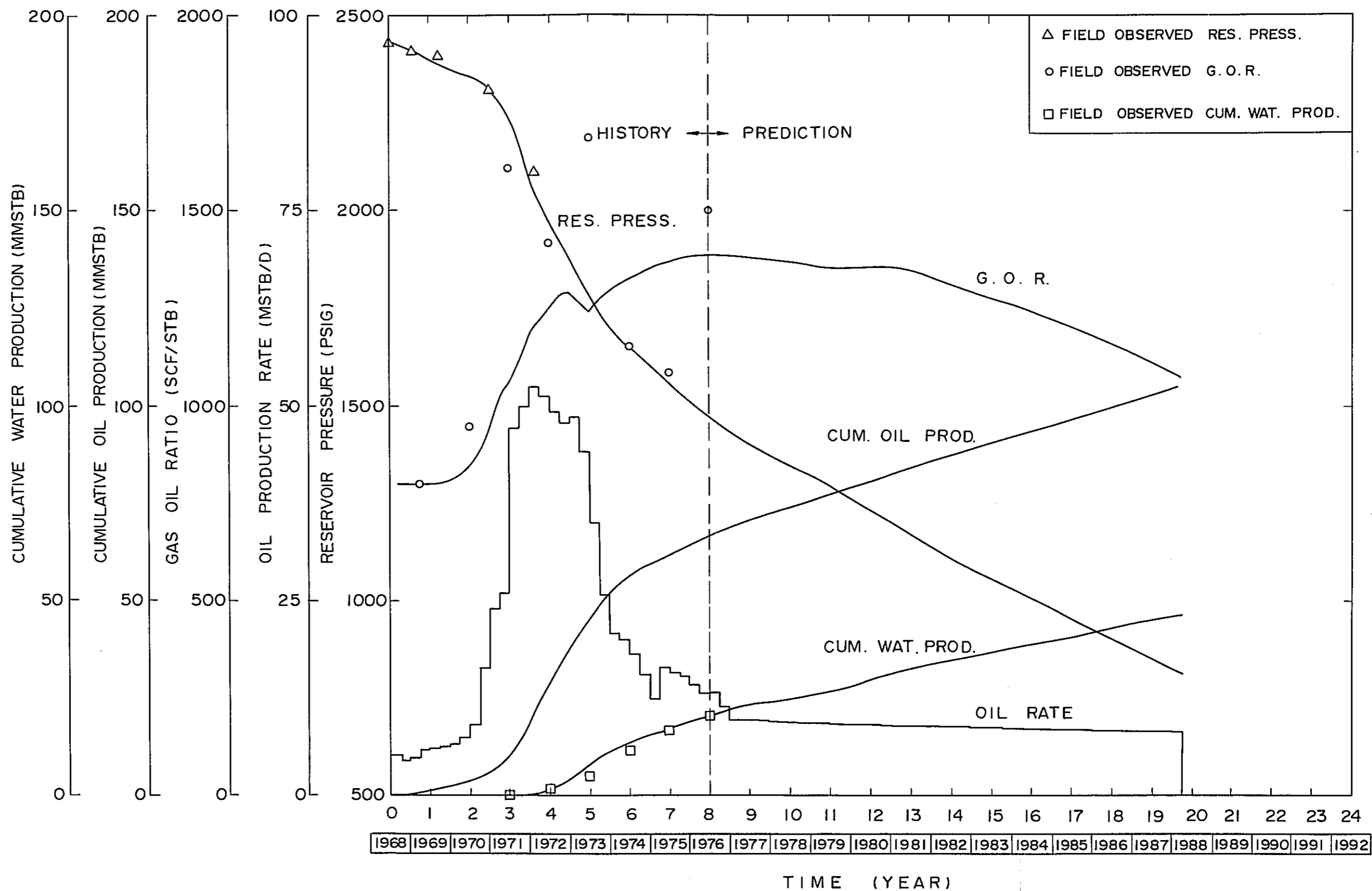


Fig. 3-3-4
Vol. IV

PREDICTED PERFORMANCE OF B ZONE, WEST LUTONG FIELD

Fig. 3-3-5

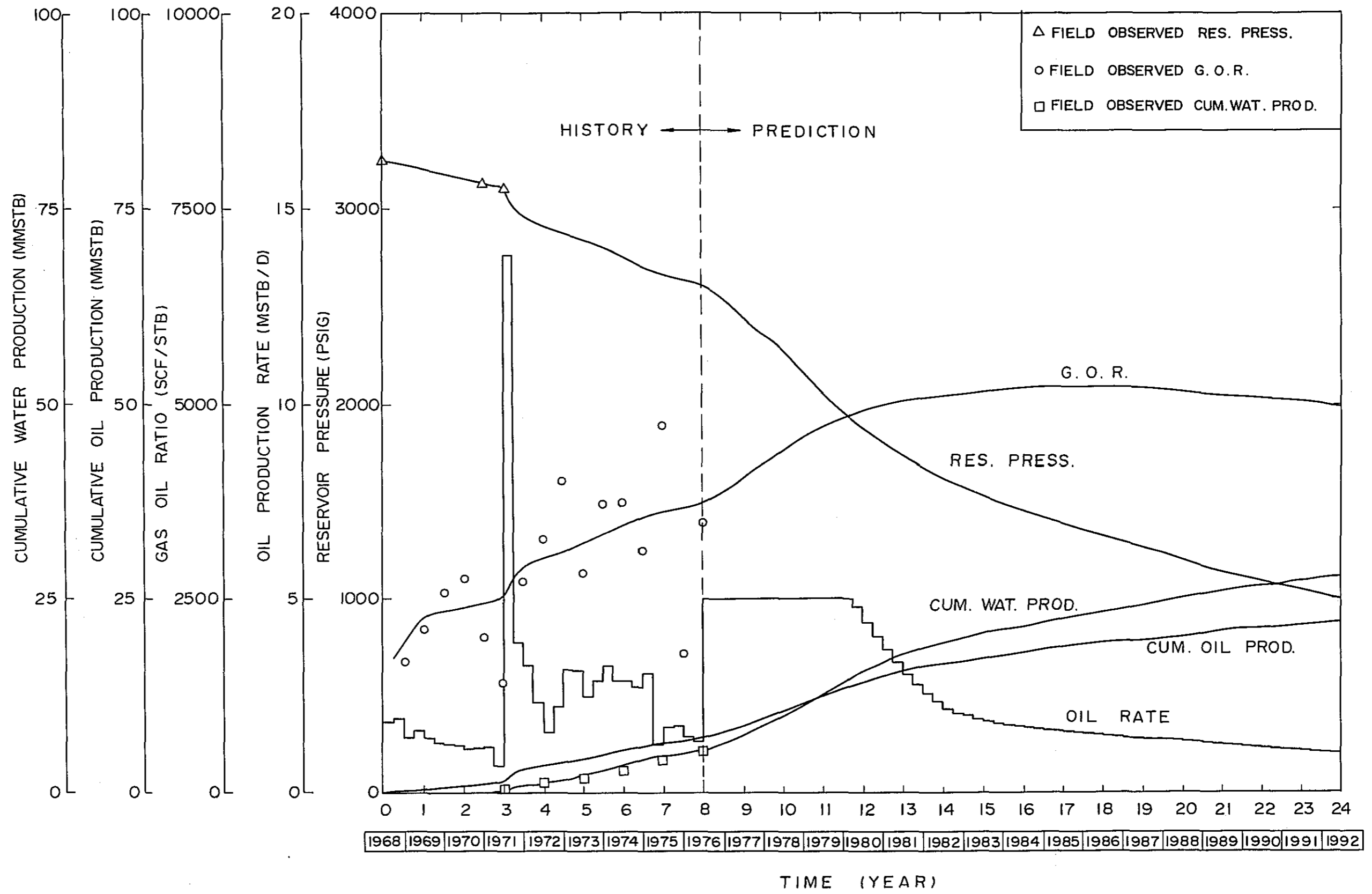
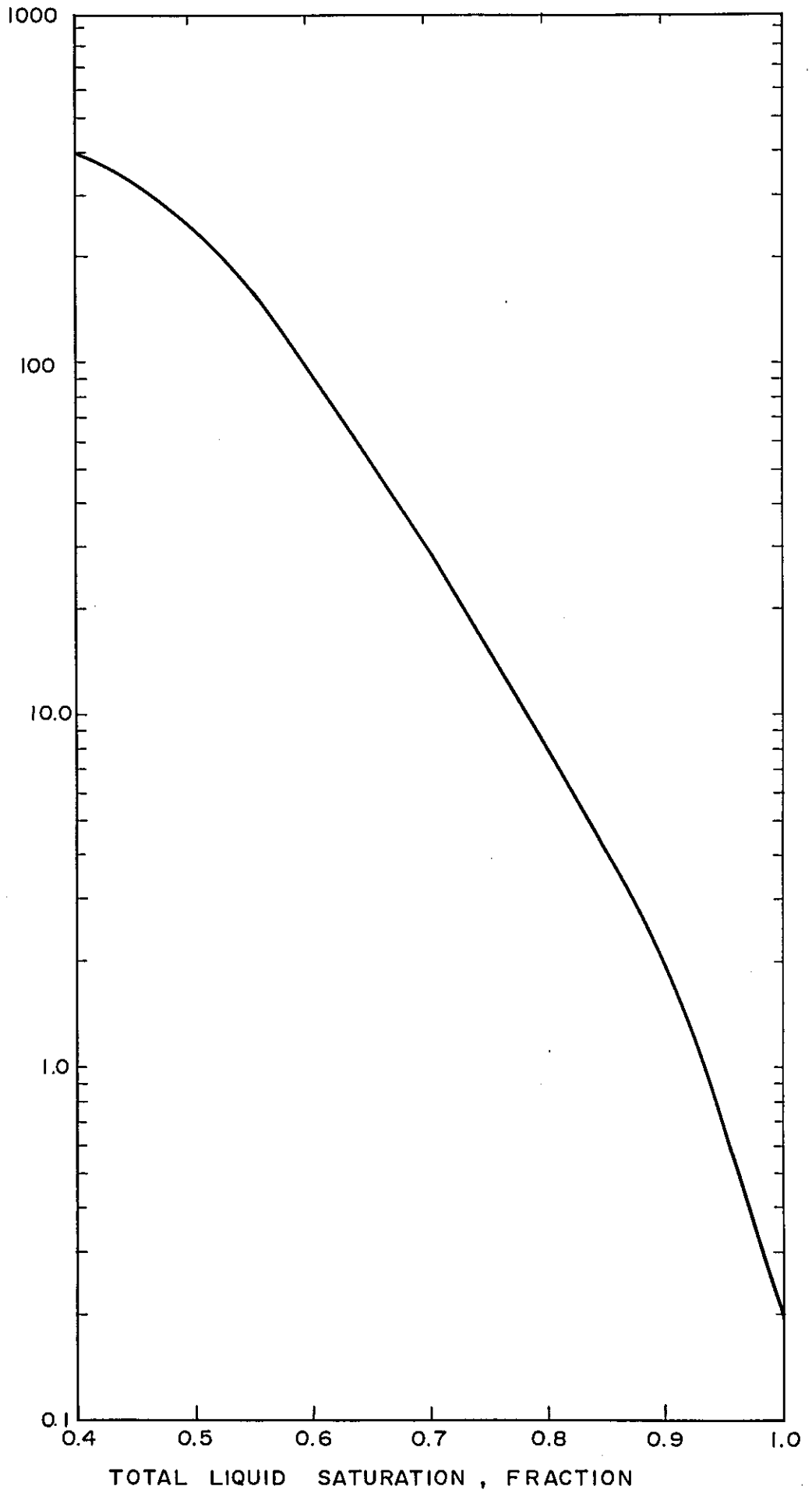


Fig. 3-3-5
Vol. IV

PREDICTED PERFORMANCE OF C ZONE, WEST LUTONG FIELD

Fig. 3-3-6 GAS-OIL RELATIVE PERMEABILITY RATIO OF A ZONE, WEST LUTONG FIELD
VOL. IV
RELATIVE PERMEABILITY RATIO, Kg / Ko



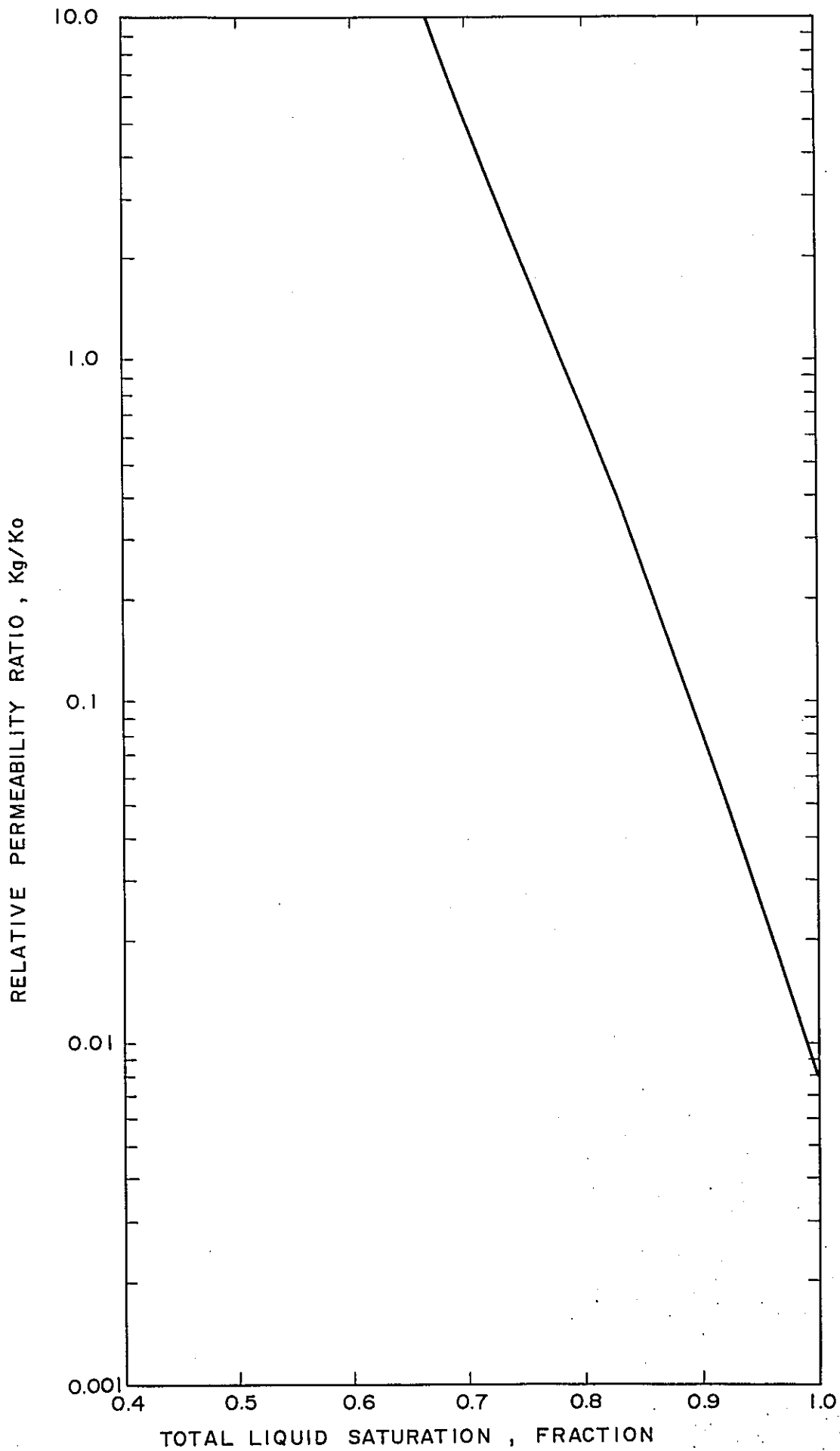


Fig. 3-3-7 GAS-OIL RELATIVE PERMEABILITY RATIO OF B ZONE, WEST
Vol. IV LUTONG FIELD

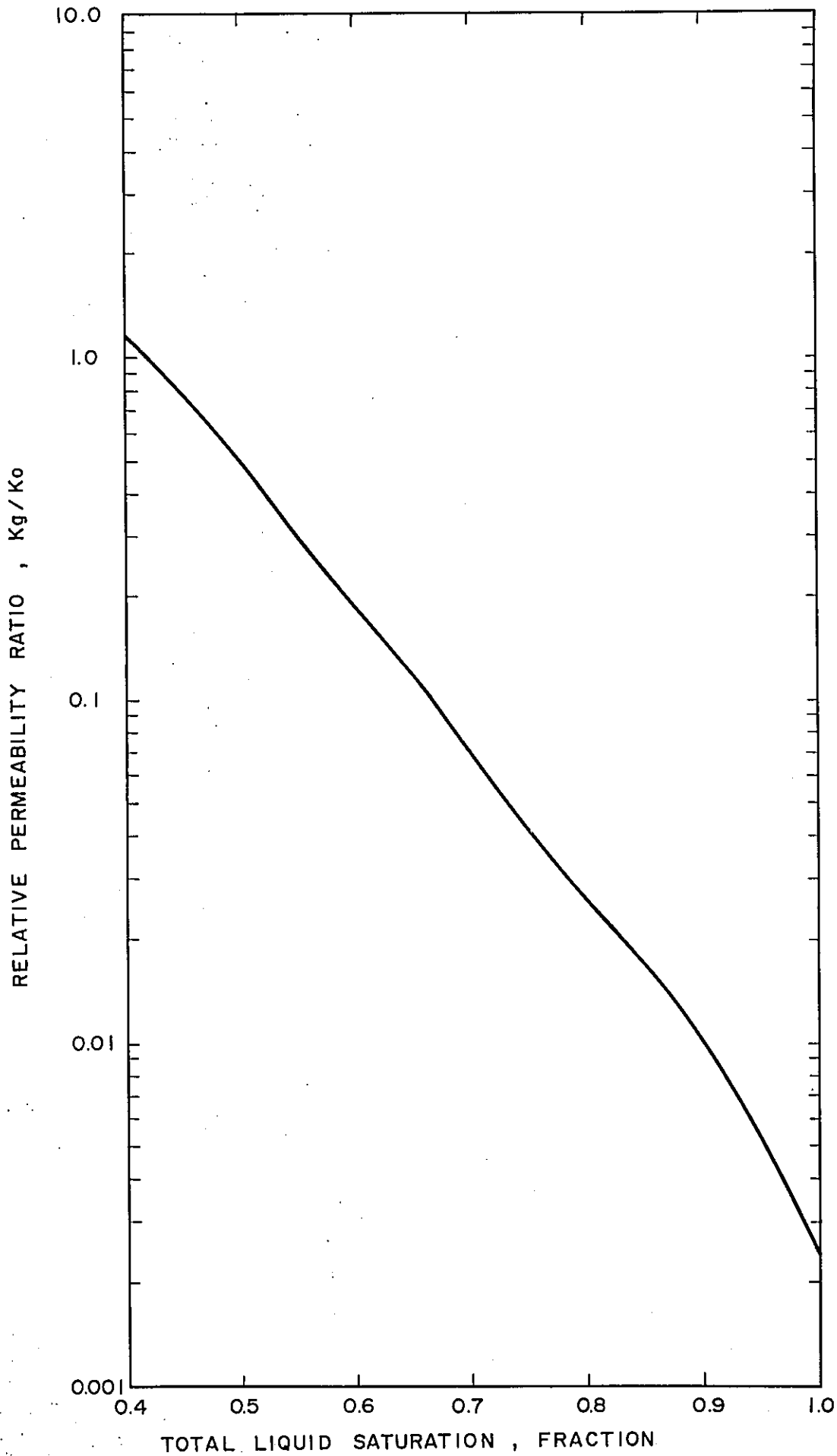


FIG. 3-3-8 GAS-OIL RELATIVE PERMEABILITY RATIO OF C ZONE, WEST LUFONG FIELD
Vol. IV

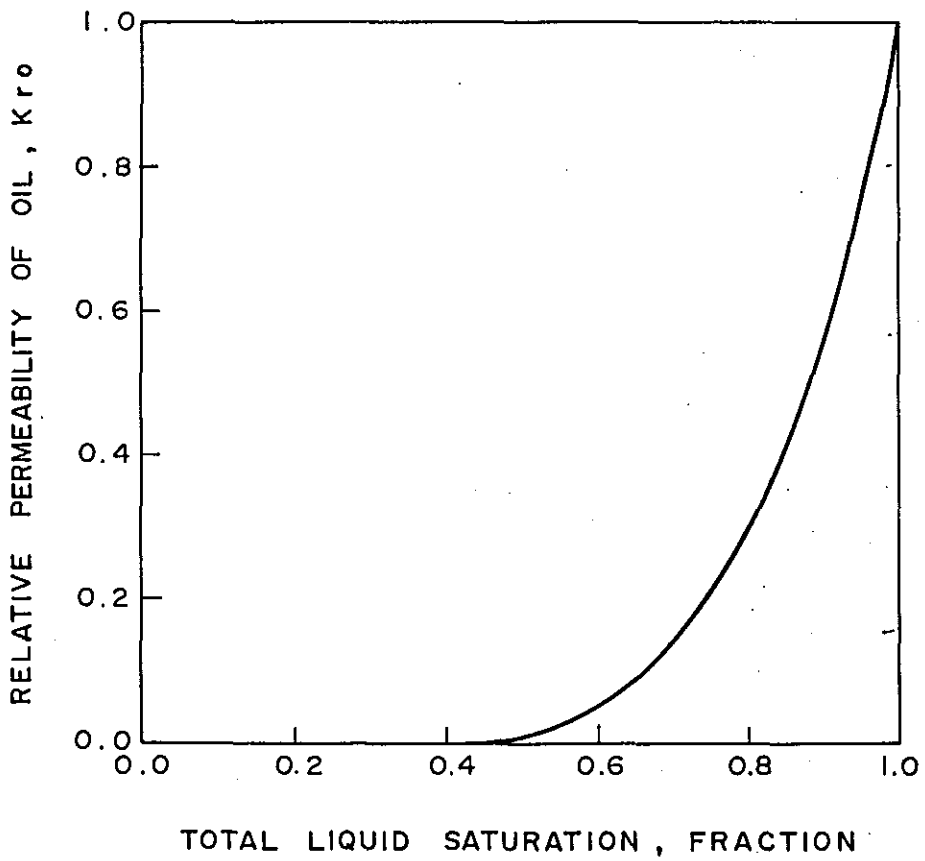


Fig. 3-3-9 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV A ZONE, WEST LUTONG FIELD

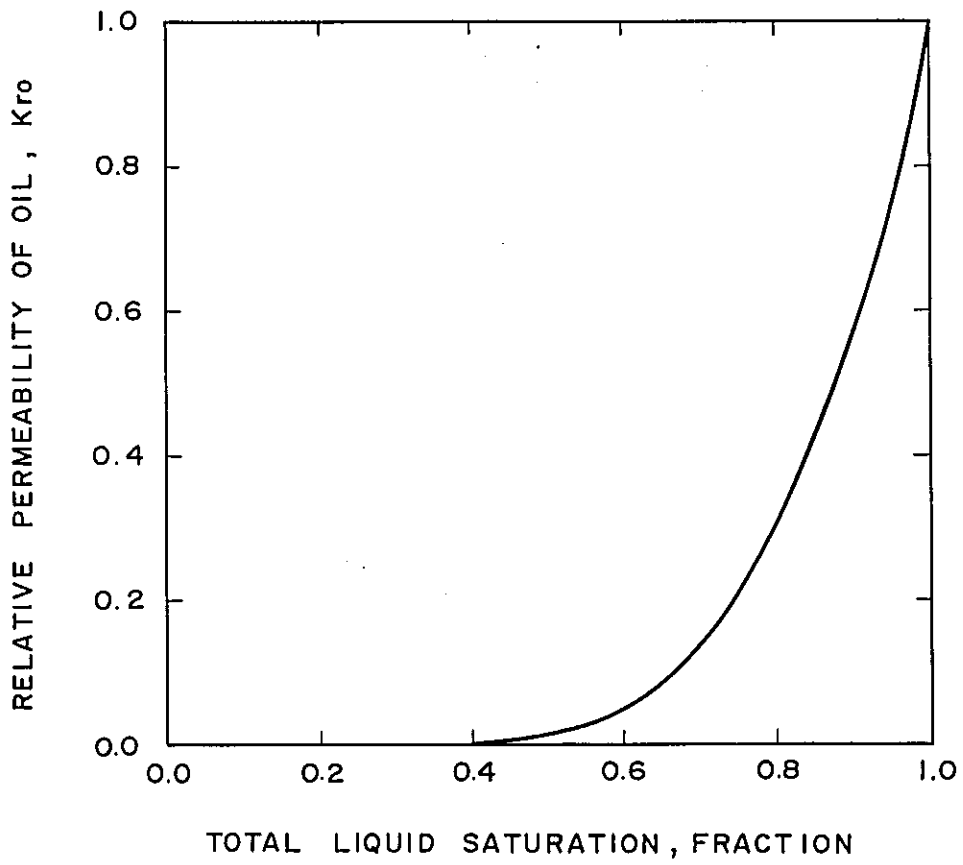


Fig. 3-3-10 GAS-OIL RELATIVE PERMEABILITY RATIO OF
Vol. IV B ZONE, WEST LUTONG FIELD

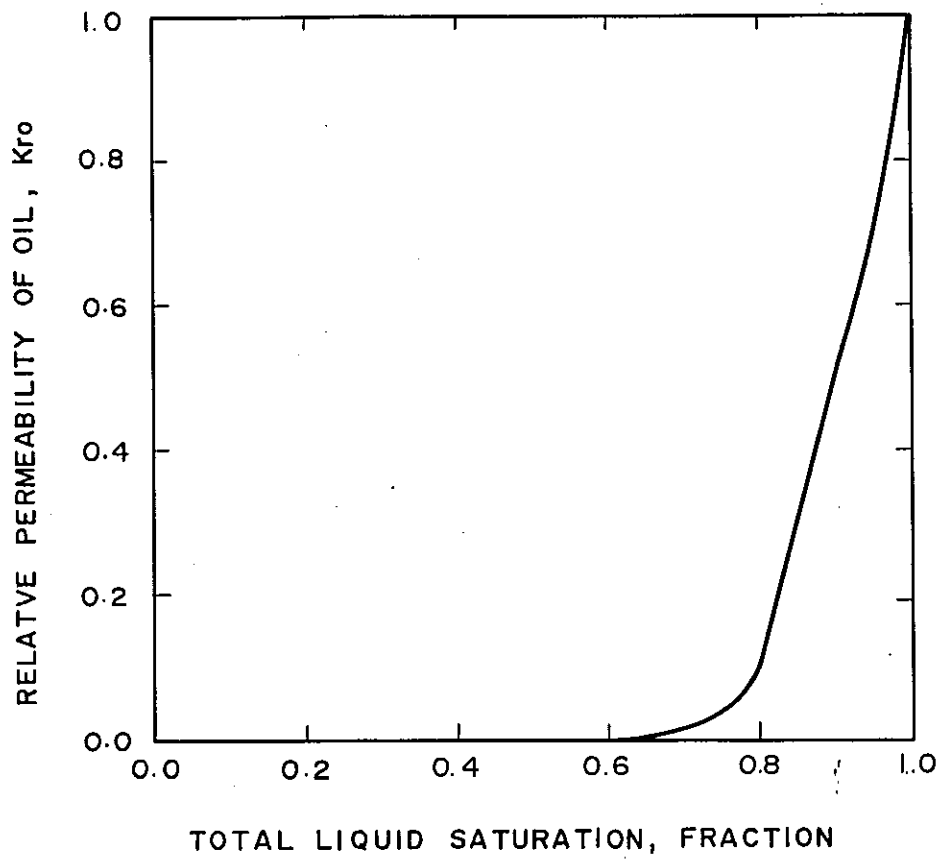


Fig. 3-3-11
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
C ZONE, WEST LUTONG FIELD

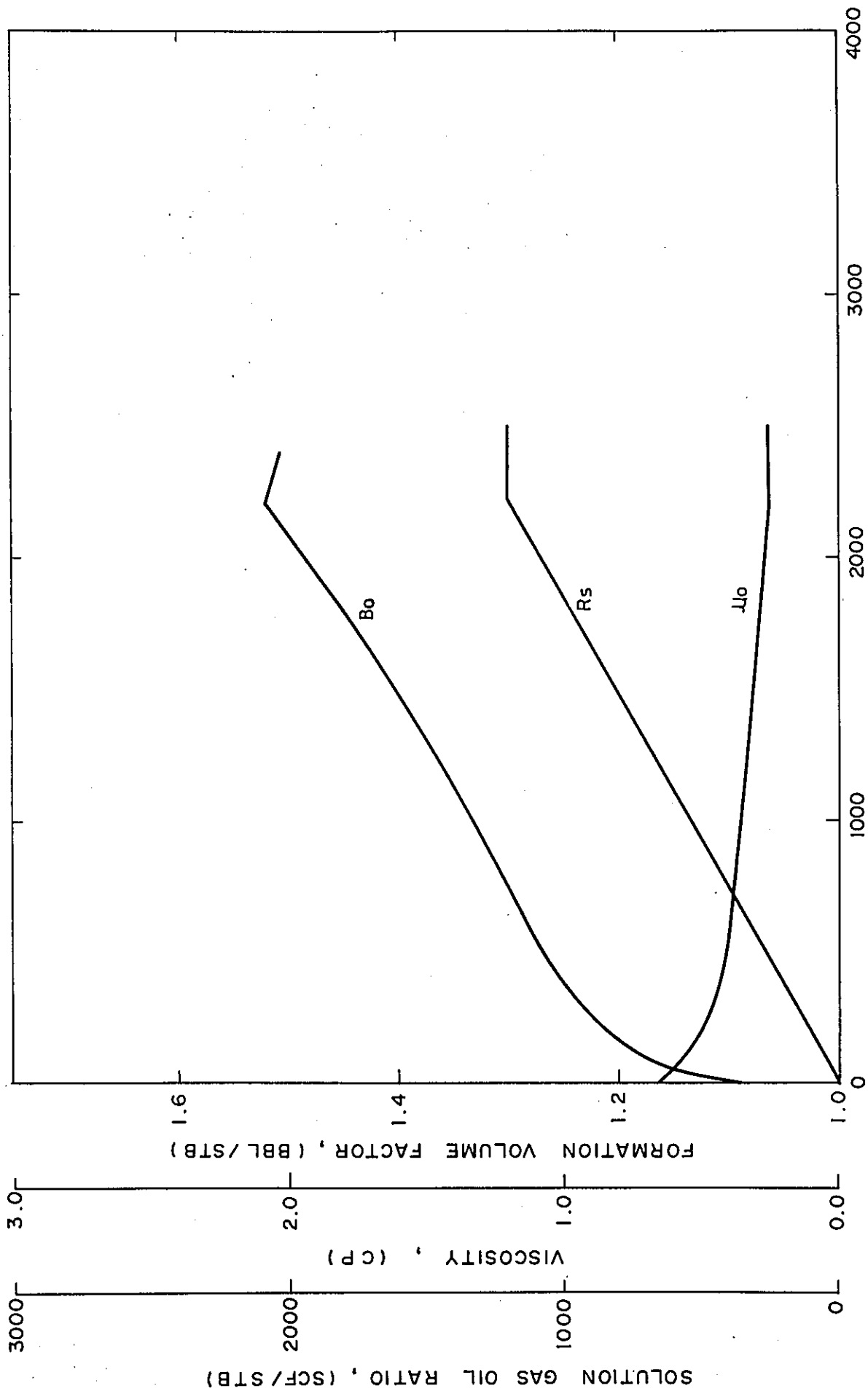


Fig. 3-3-12 OIL PROPERTIES OF A ZONE, WEST LUTONG FIELD
VOL. IV

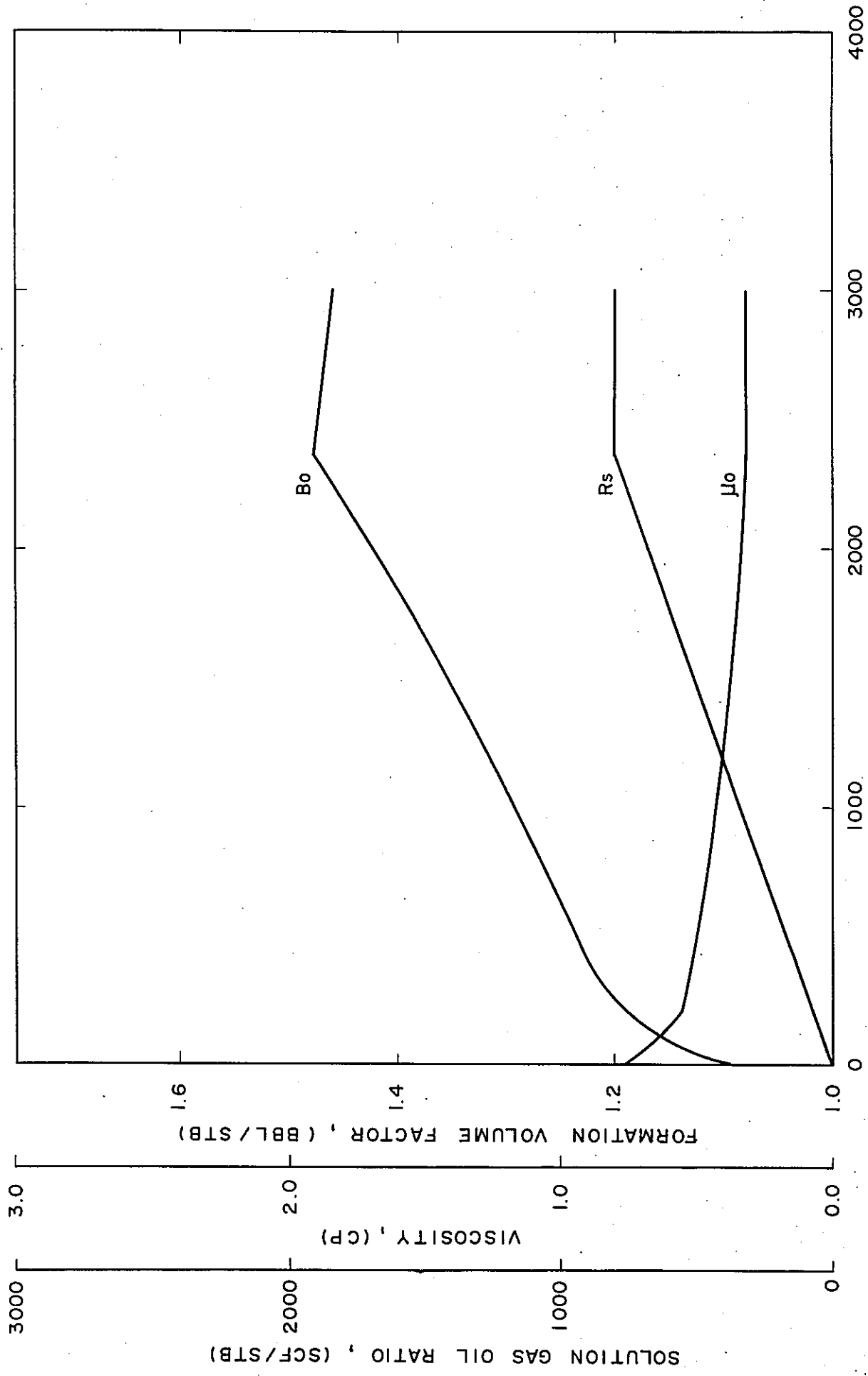


Fig. 3-3-13 OIL PROPERTIES OF B ZONE, WEST LUTONG FIELD
Vol. IV

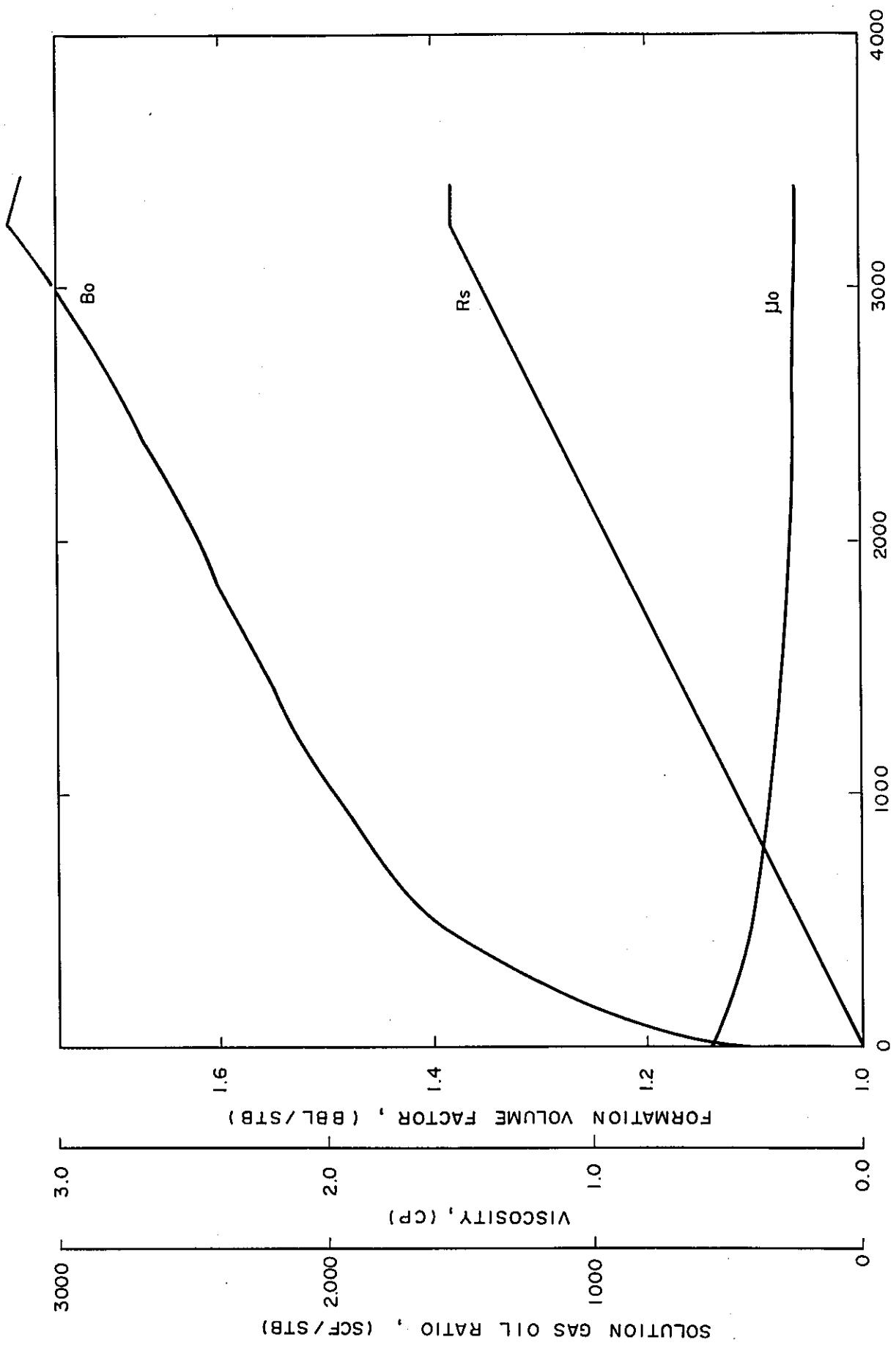


Fig. 3-3-14 OIL PROPERTIES OF C ZONE, WEST LUTONG FIELD
Vol. IV

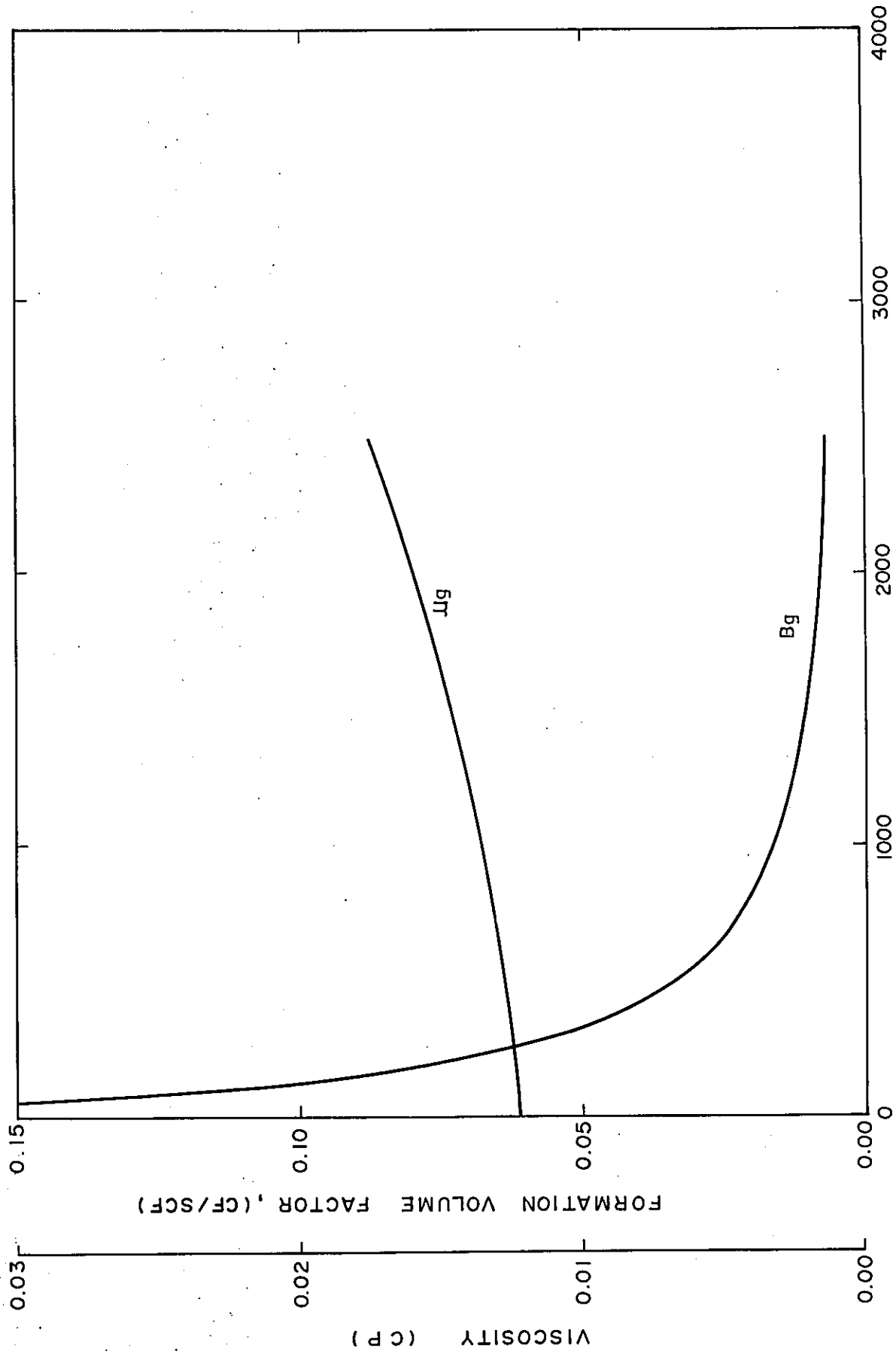


Fig. 3-3-15 GAS PROPERTIES OF A ZONE, WEST LUTONG FIELD

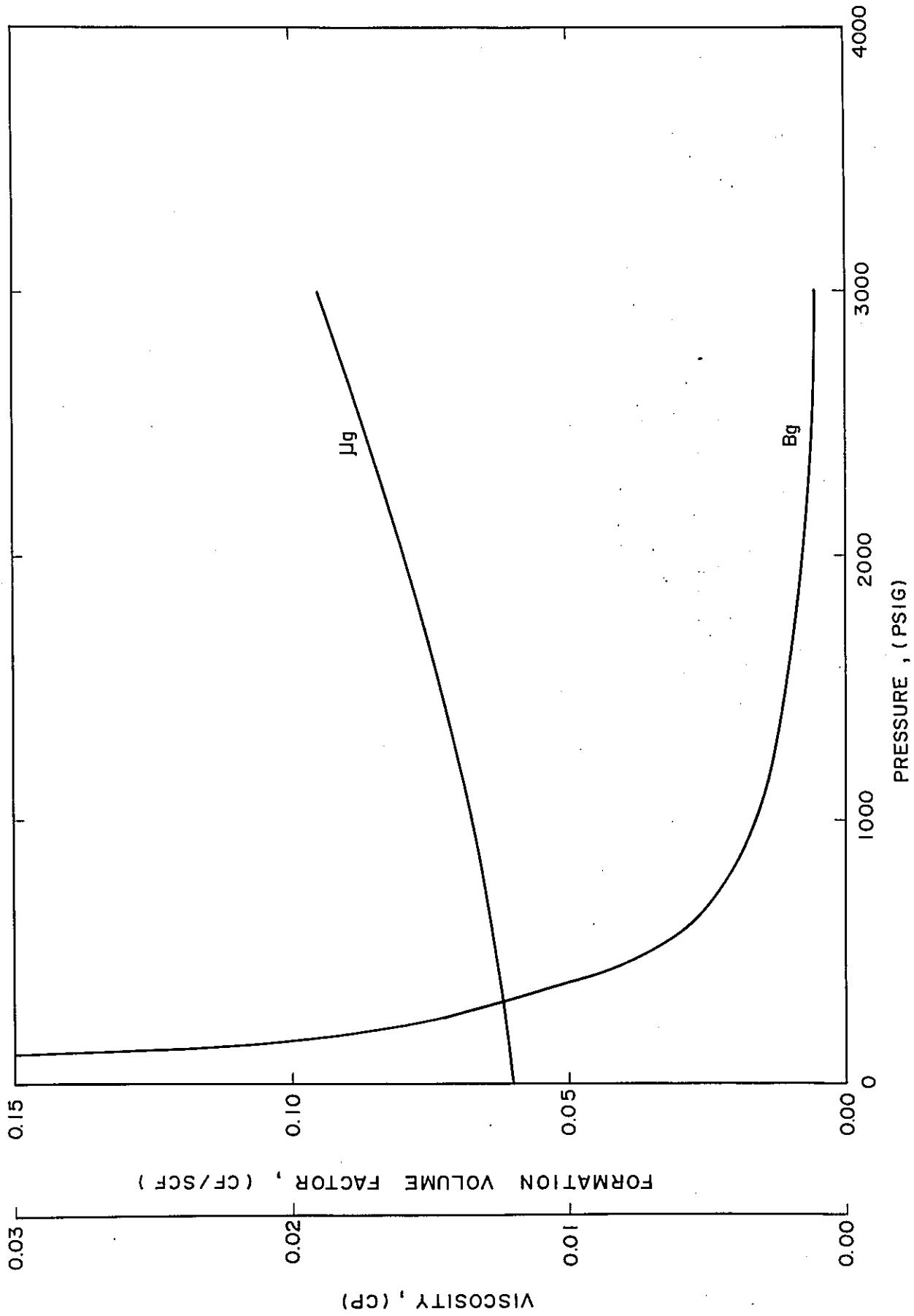


Fig. 3-3-16 GAS PROPERTIES OF B ZONE, WEST LUTONG FIELD
Vol. IV

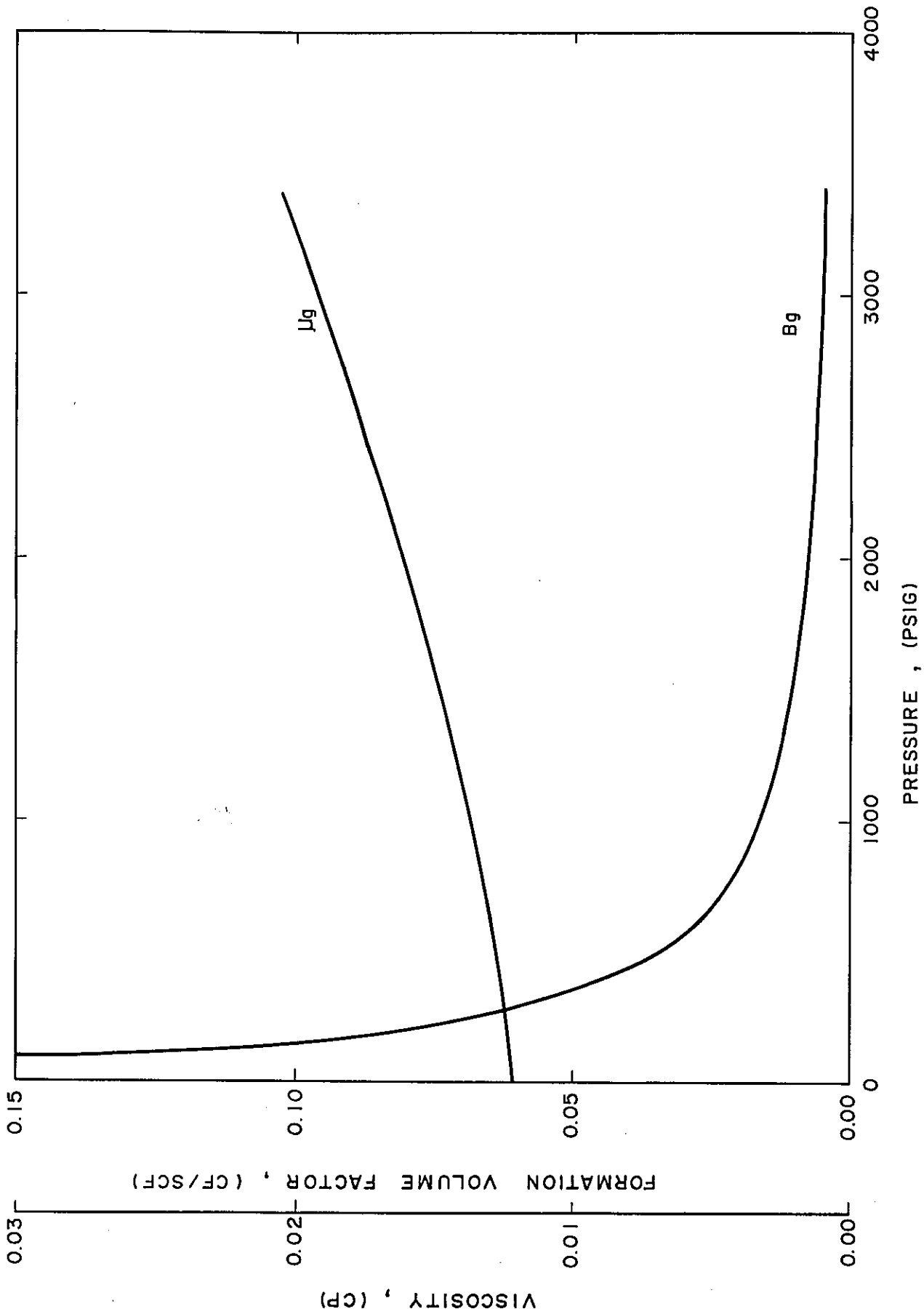


FIG. 3-17-17 GAS PROPERTIES OF C ZONE, WEST LUTONG FIELD
Vol. IV

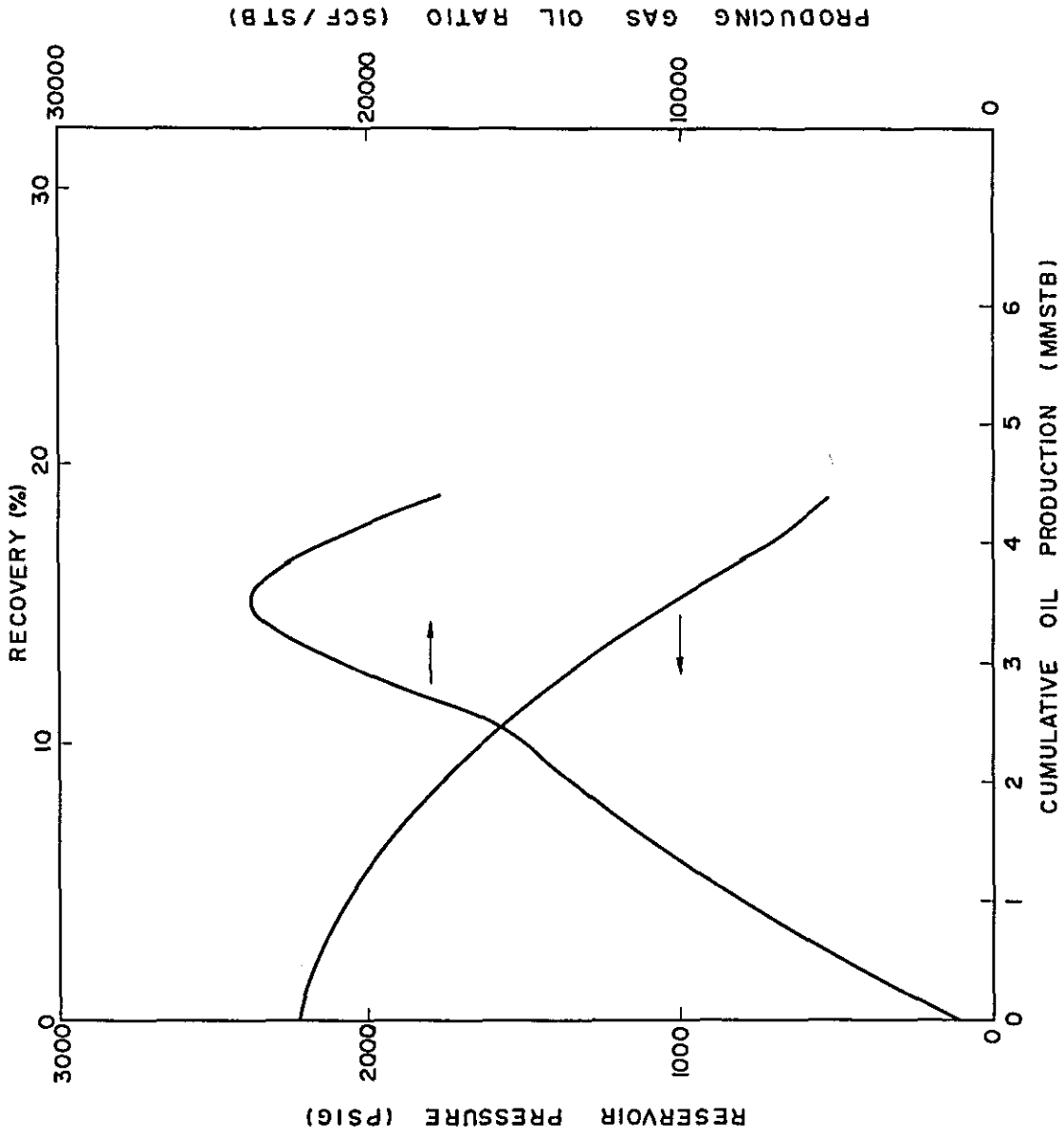


Fig. 3-3-18 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 VOL. IV AND PRODUCING GAS OIL RATIO OF A ZONE, WEST LUTONG
 FIELD

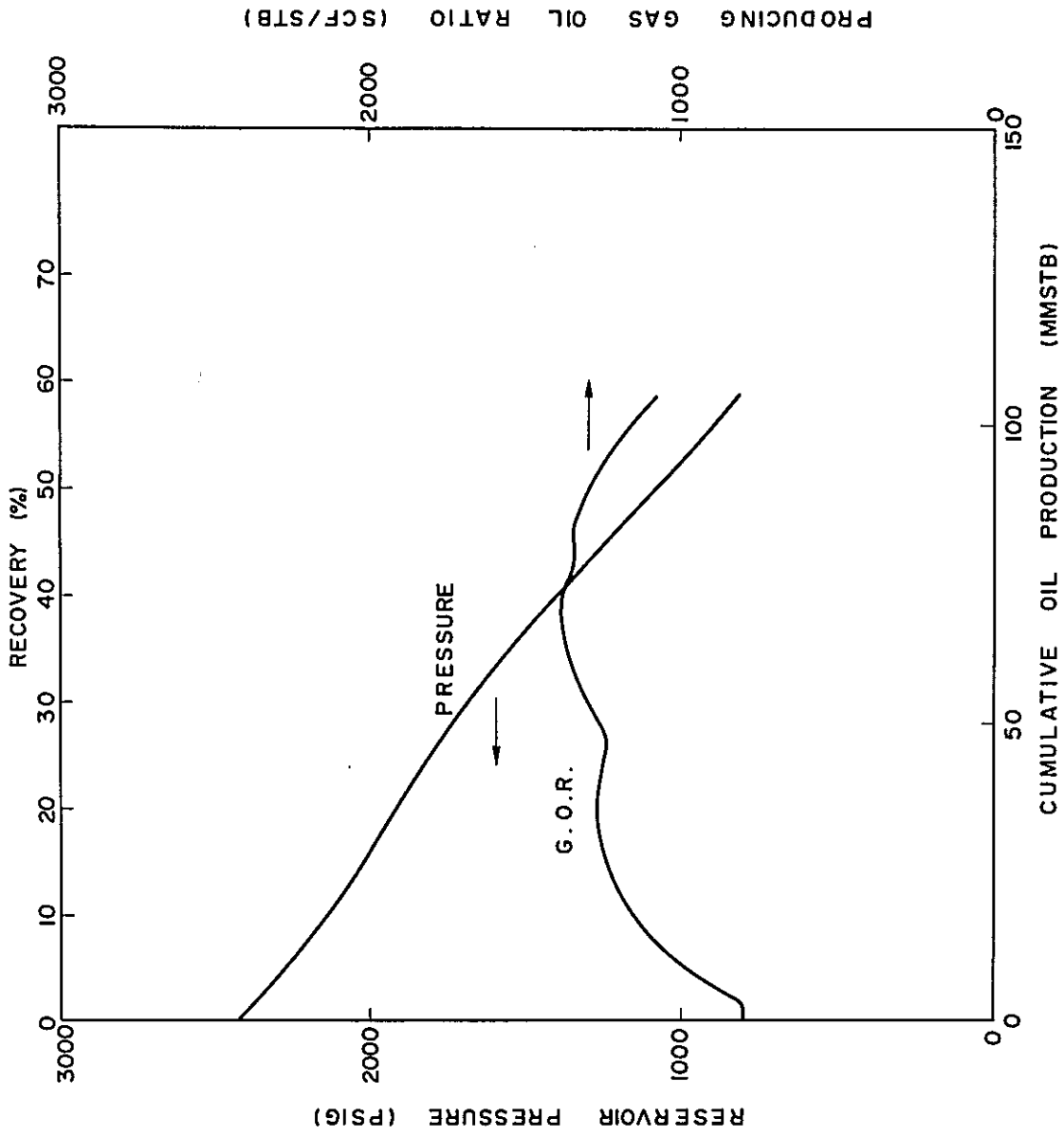


Fig. 3-3-19 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF B ZONE, WEST LUTONG FIELD
Vol. IV

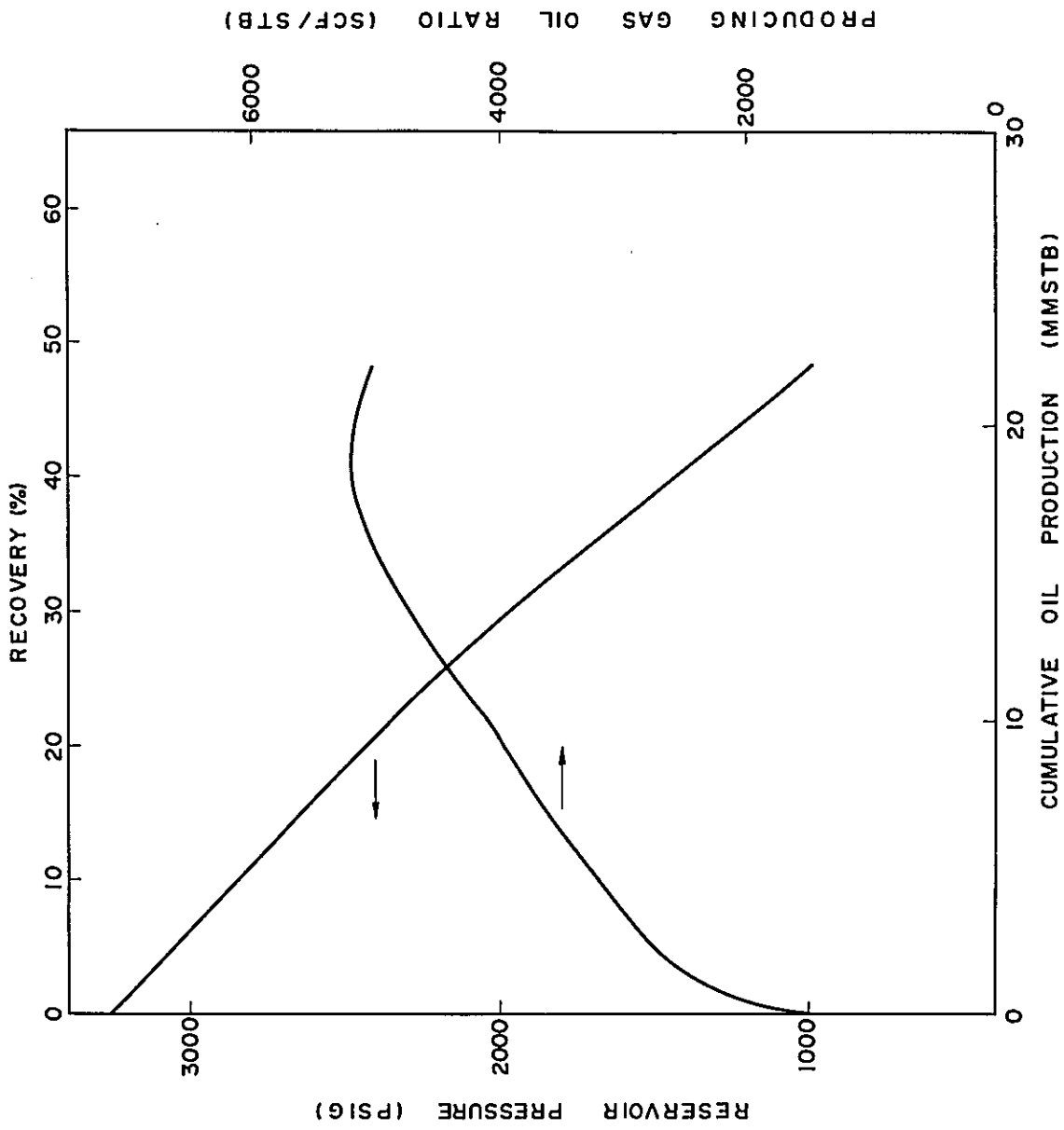


Fig. 3-3-20 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF C ZONE, WEST LUTONG FIELD
Vol. IV

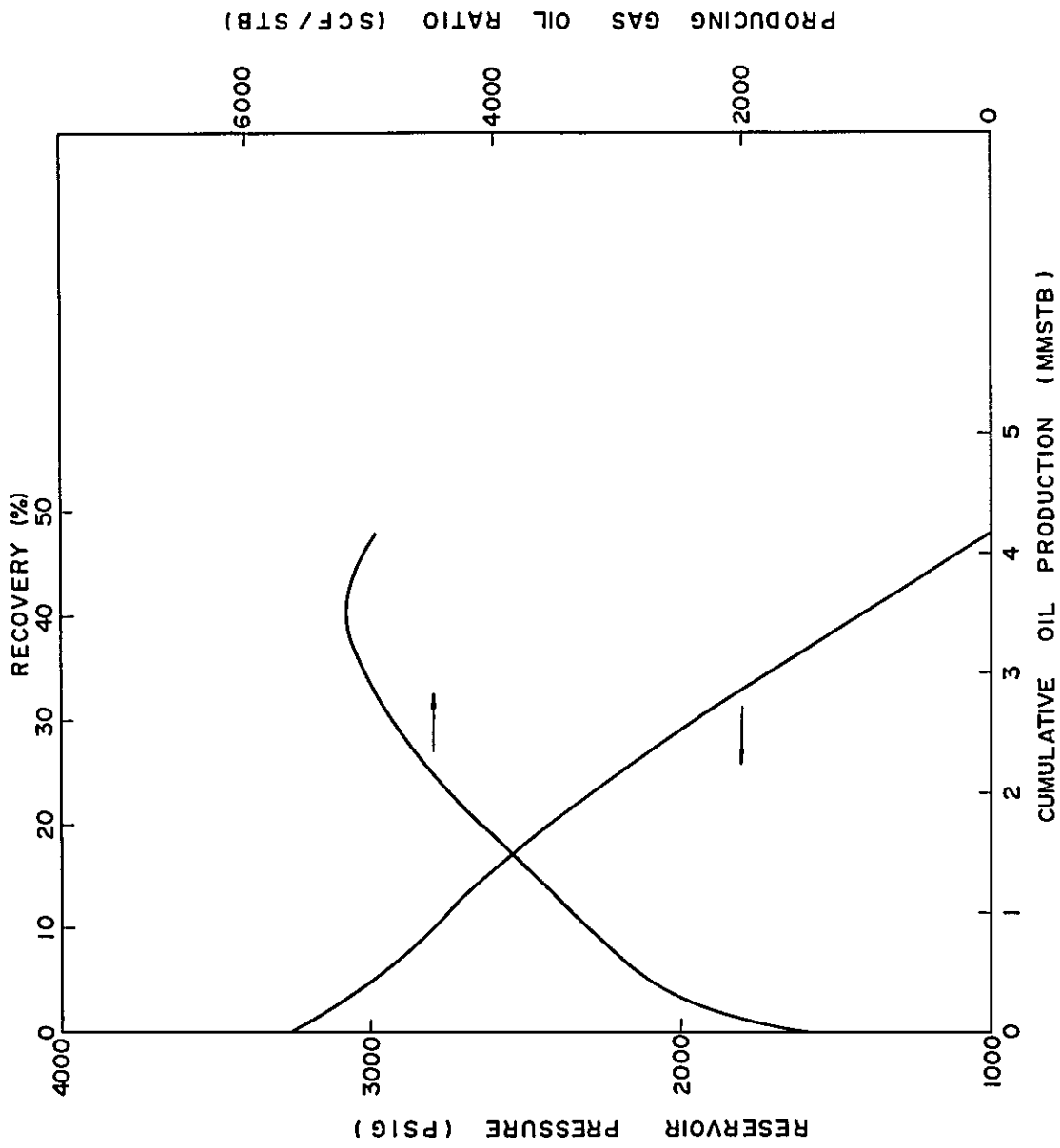


Fig. 3-3-21 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF ADDITIONAL WELL CASE, WEST LUTONG FIELD
Vol. IV

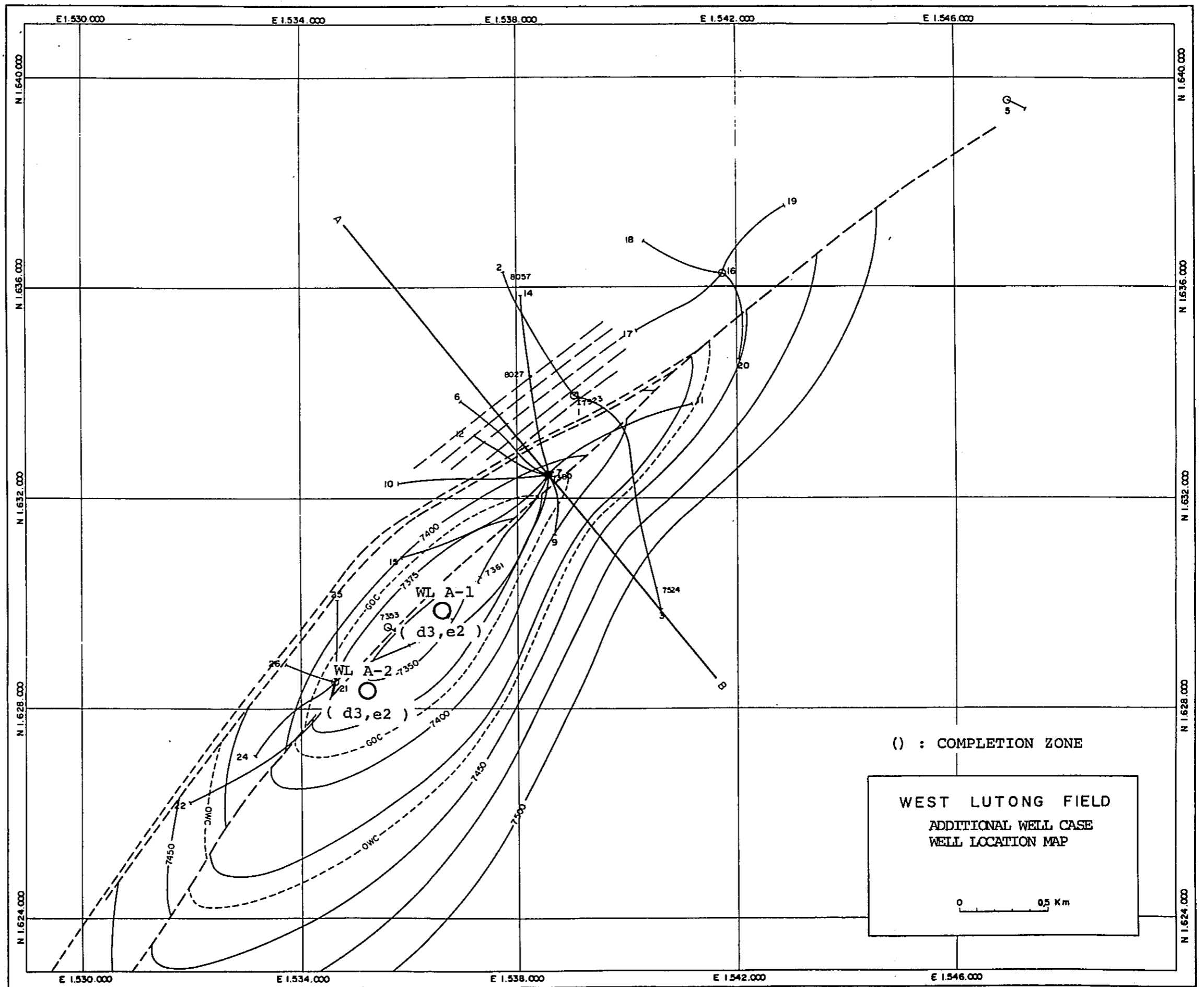


Fig. 3-3-22 ADDITIONAL WELL CASE - LOCATION MAP, WEST LUTONG FIELD
 Vol. IV

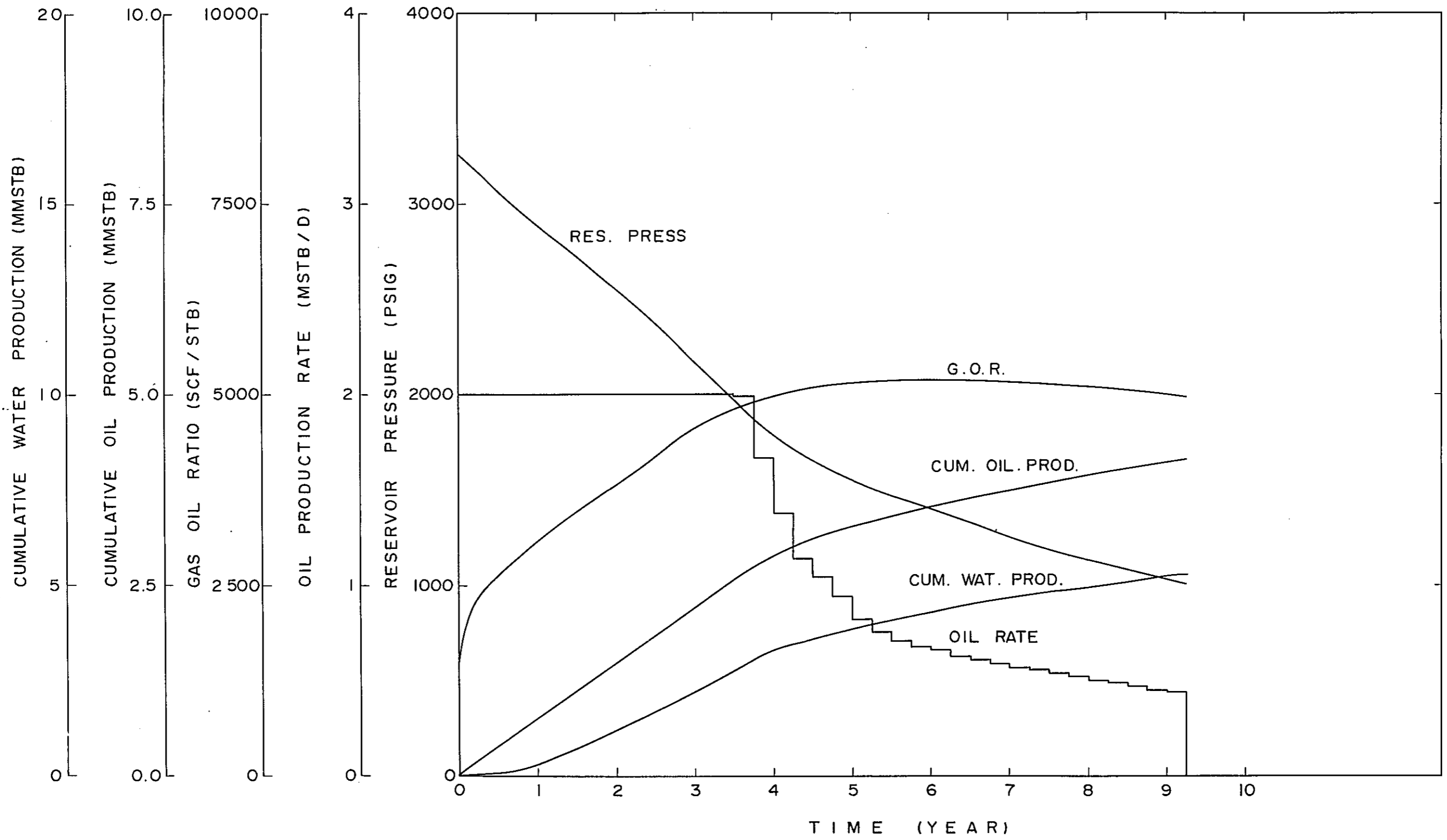


Fig. 3-3-23 PREDICTED PERFORMANCE CURVE OF WEST LUTONG FIELD
 Vol. IV - ADDITIONAL WELL CASE -

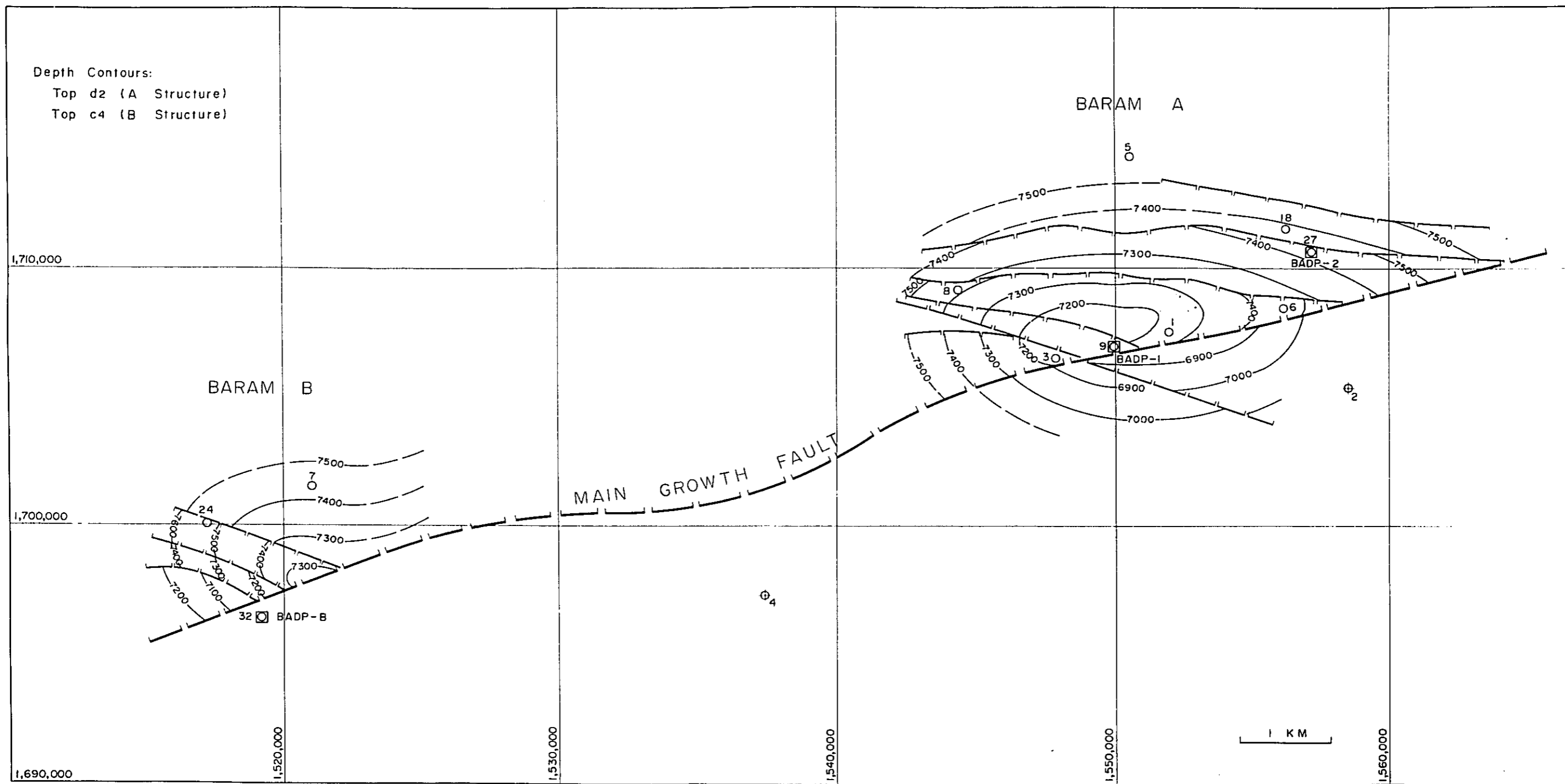


Fig. 4-2-1 STRUCTURAL SETTING OF BARAM FIELD
Vol. IV

Fig. 4-2-2

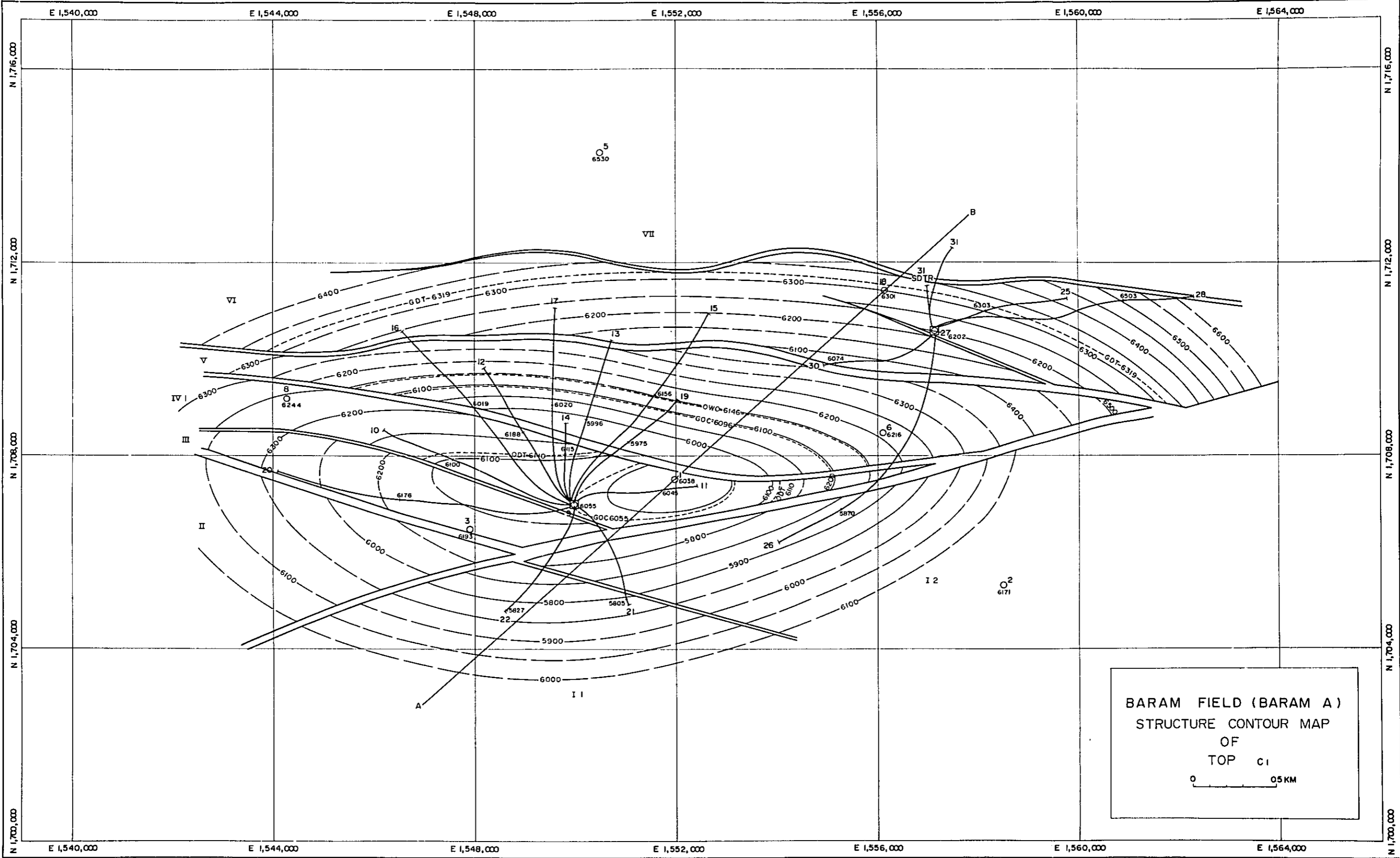


Fig. 4-2-2 STRUCTURE CONTOUR MAP, BARAM FIELD (A), TOP c1

Fig. 4-2-3

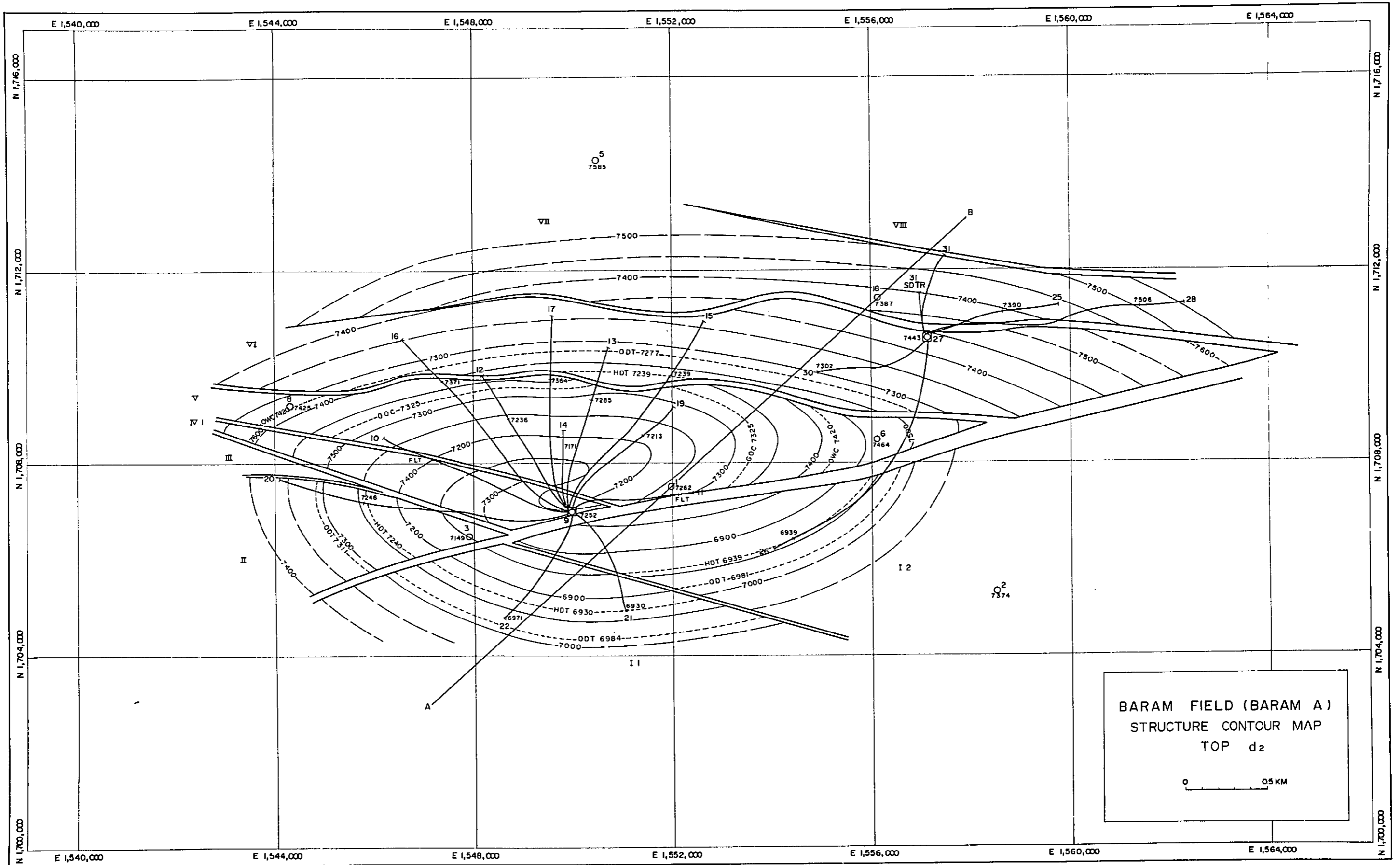


Fig. 4-2-3 STRUCTURE CONTOUR MAP, BARAM FIELD (A), TOP d2
Vol. IV

Fig. 4-2-4

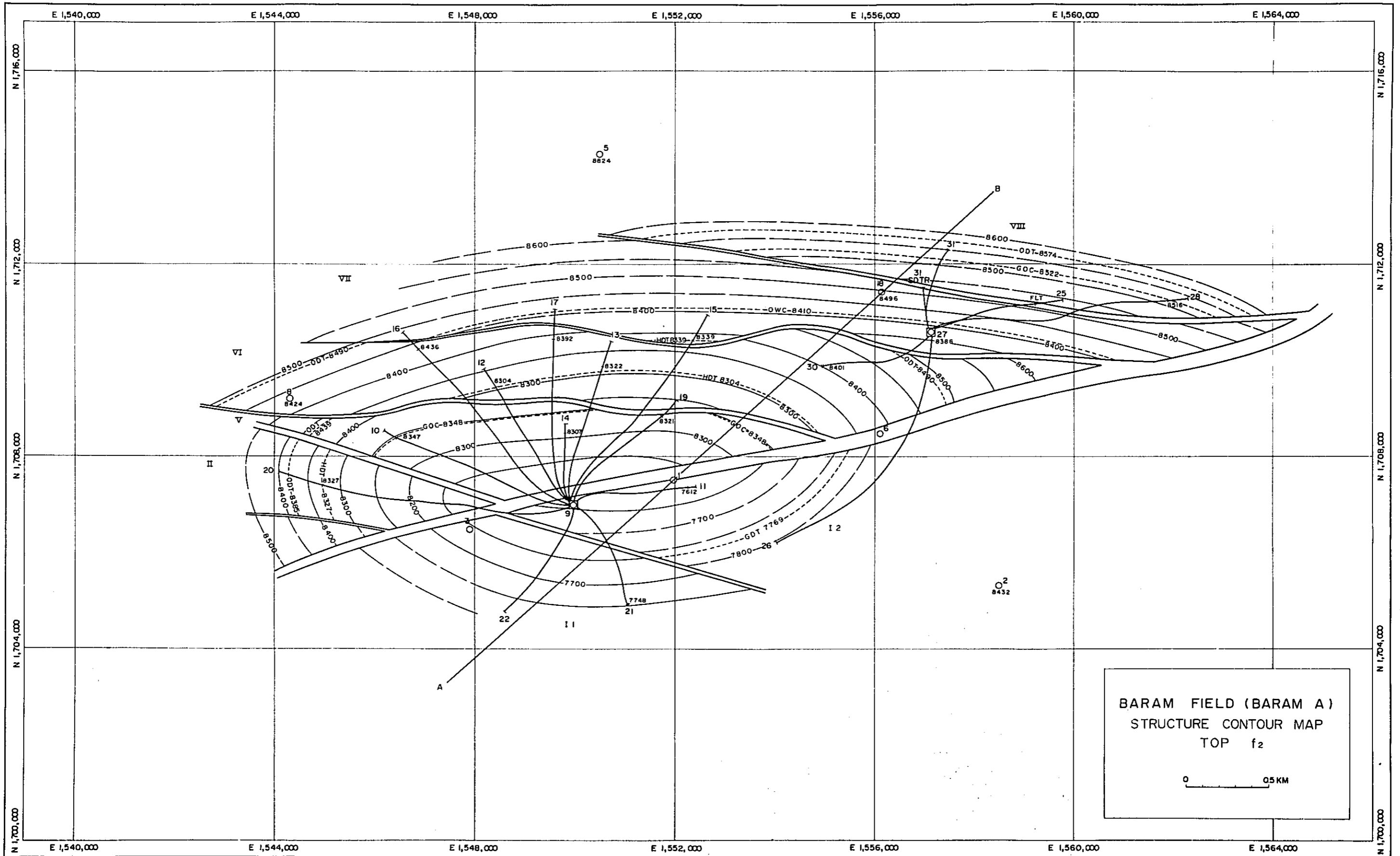


Fig. 4-2-4
Vol. IV

STRUCTURE CONTOUR MAP, BARAM FIELD (A), TOP f2

STRUCTURAL CROSS-SECTION
BARAM FIELD (A)

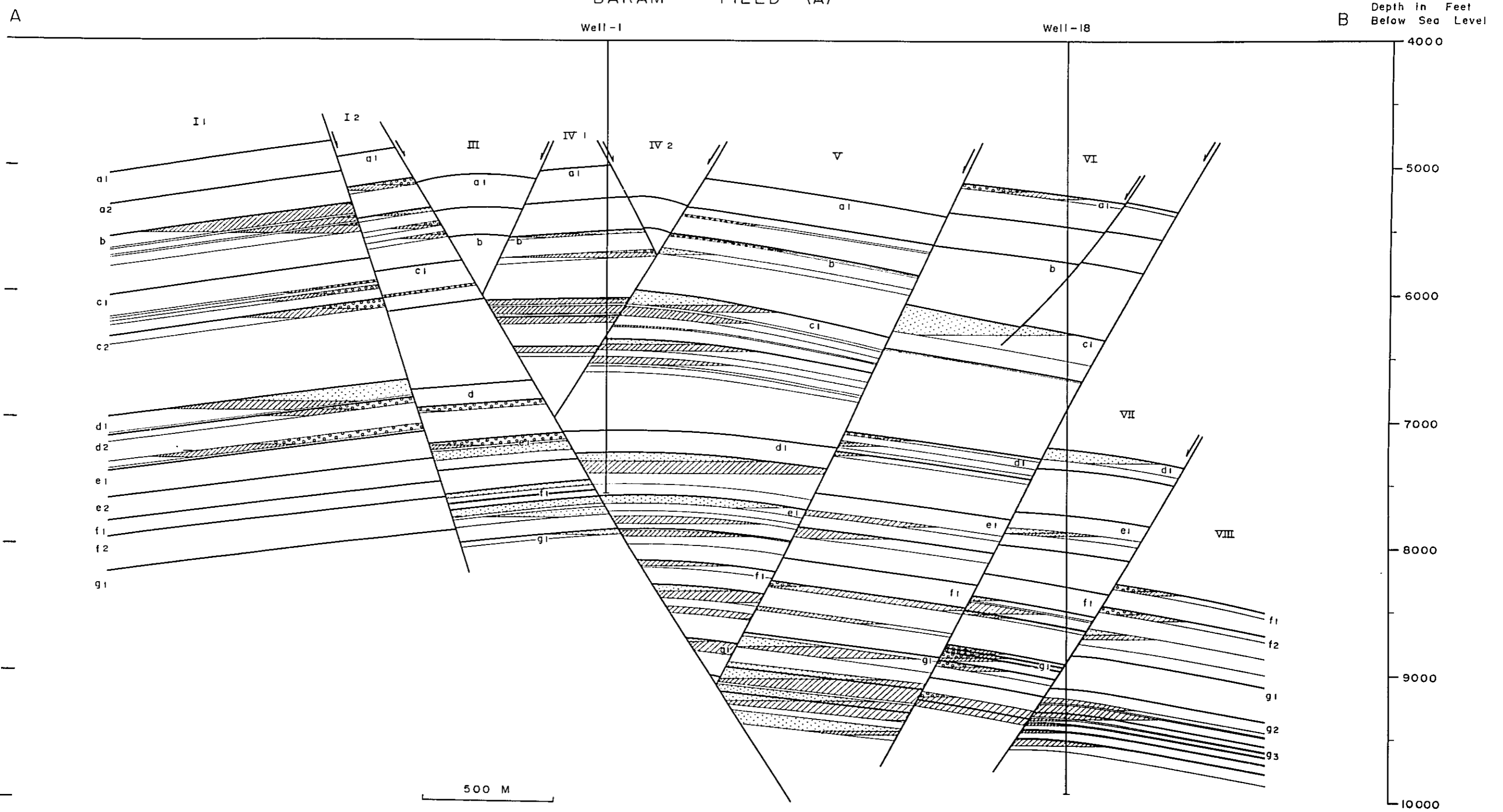


Fig. 4-2-5
Vol. IV

STRUCTURAL CROSS-SECTION, BARAM FIELD (A)

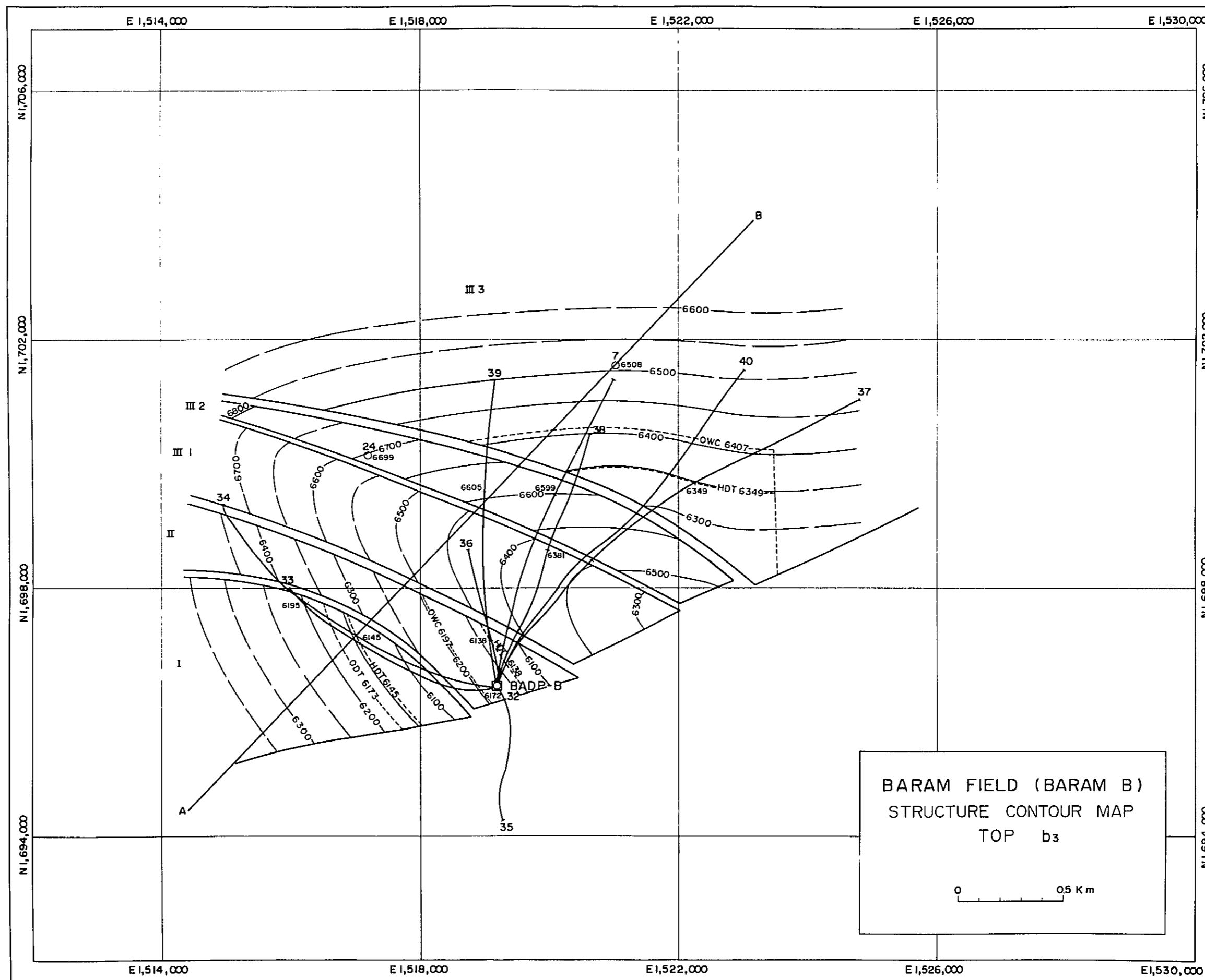


Fig. 4-2-6 STRUCTURE CONTOUR MAP, BARAM FIELD (B), TOP b3
Vol. IV

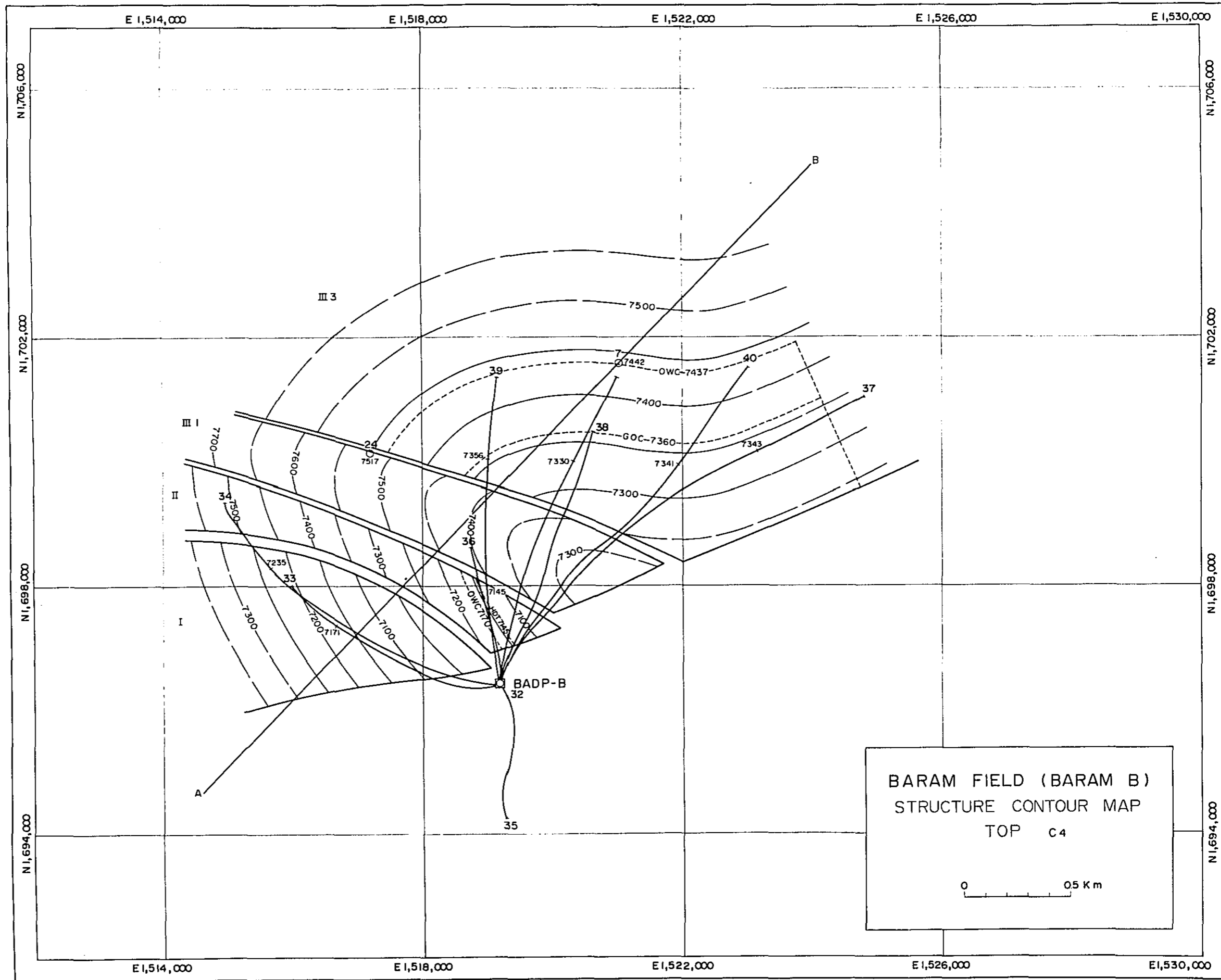


Fig. 4-2-7 STRUCTURE CONTOUR MAP, BARAM FIELD (B), TOP c4
Vol. IV

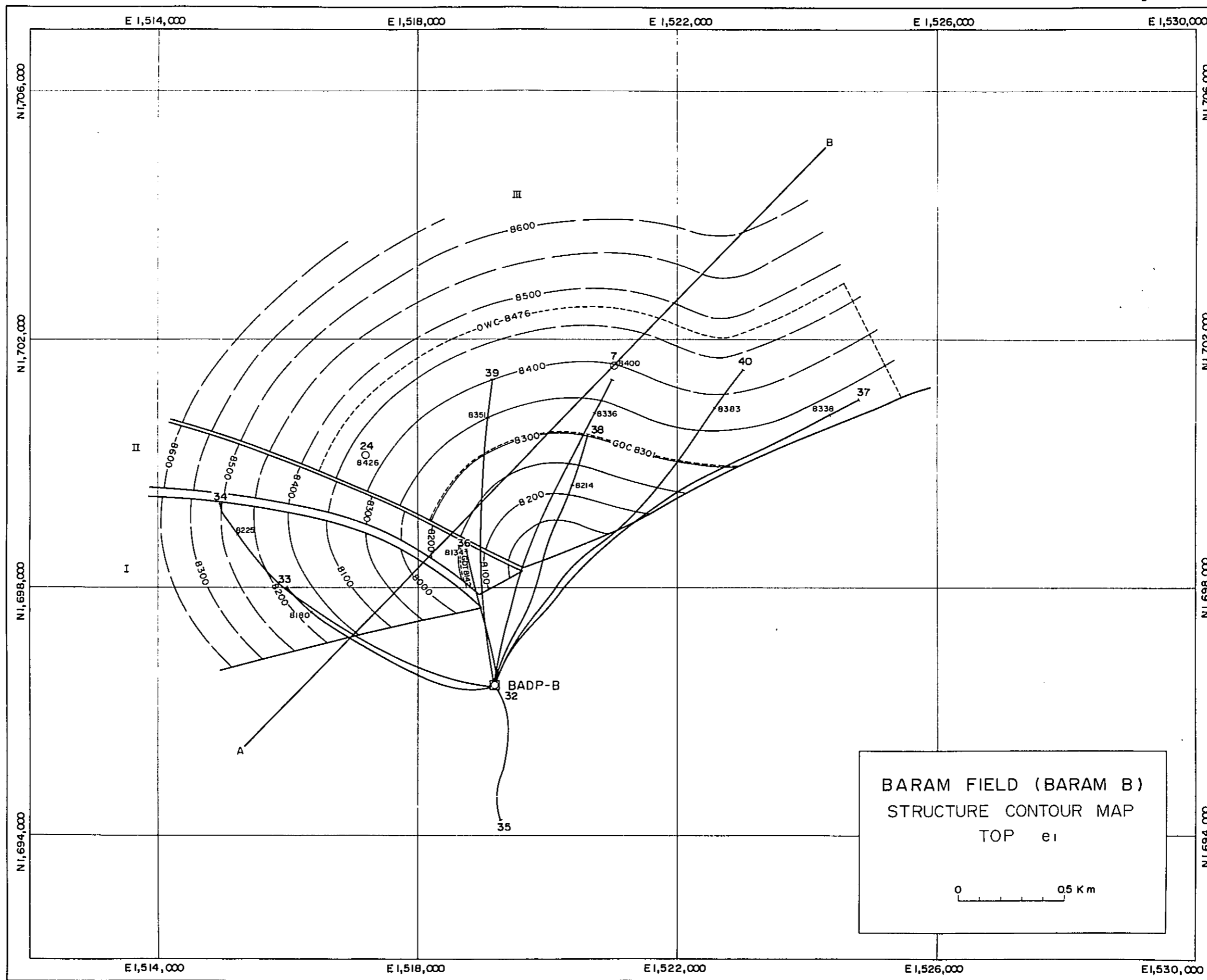


Fig. 4-2-8
Vol. IV

STRUCTURE CONTOUR MAP, BARAM FIELD (B), TOP e1

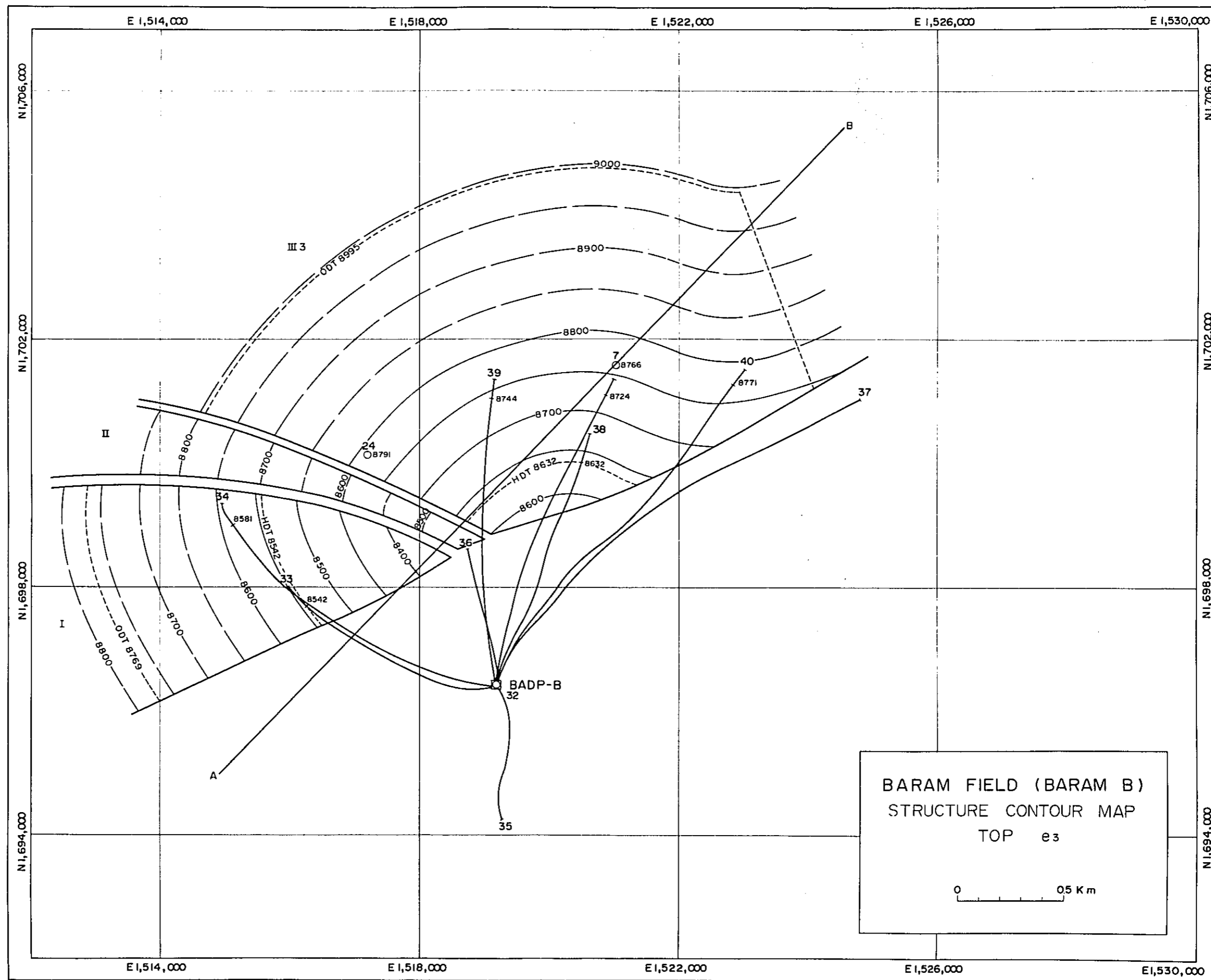


Fig. 4-2-9
Vol. IV

STRUCTURE CONTOUR MAP, BARAM FIELD (B), TOP e3

STRUCTURAL CROSS - SECTION
BARAM FIELD (B)

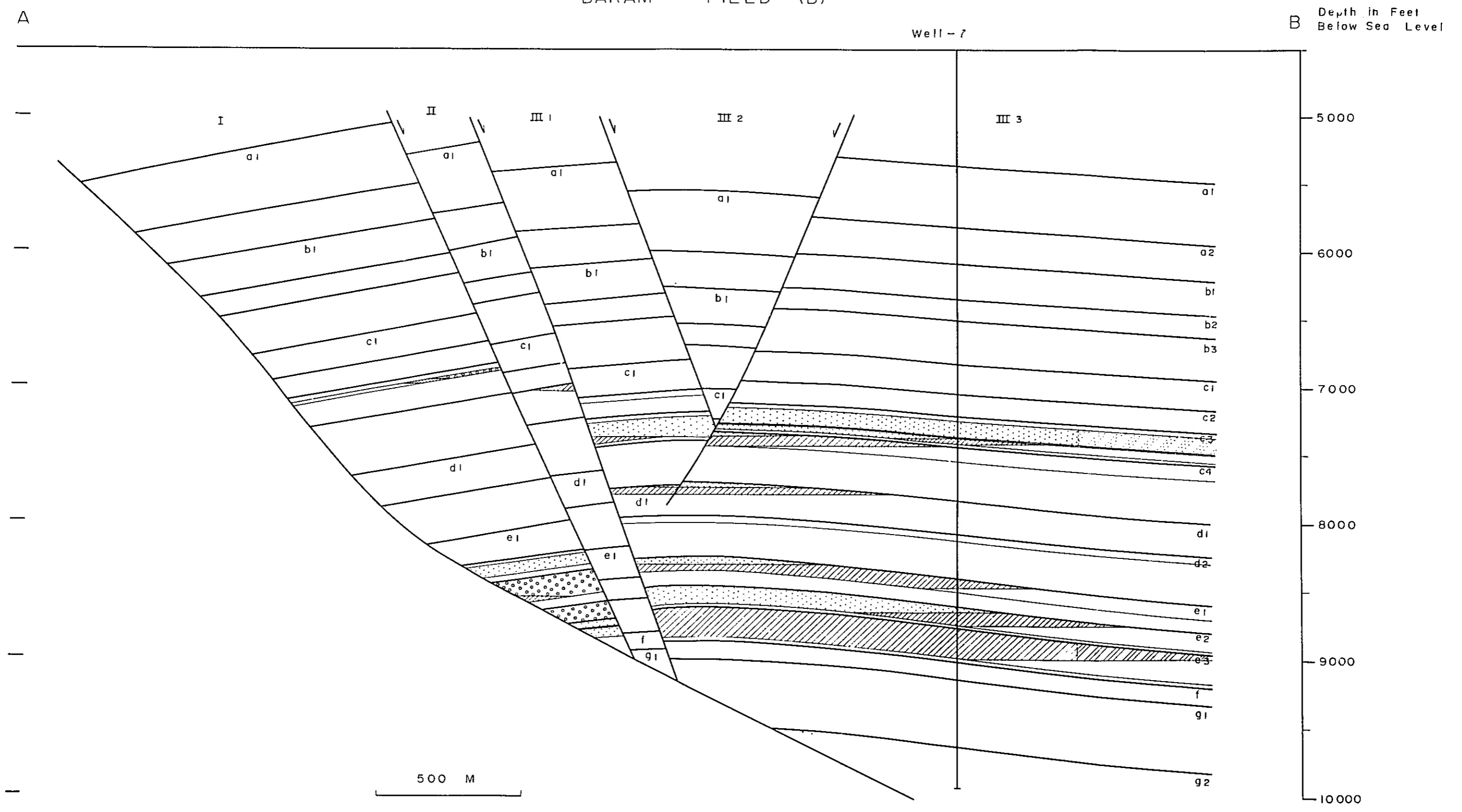


Fig. 4-2-10 Vol. IV STRUCTURAL CROSS-SECTION, BARAM FIELD (B)

Fig. 4-3-1

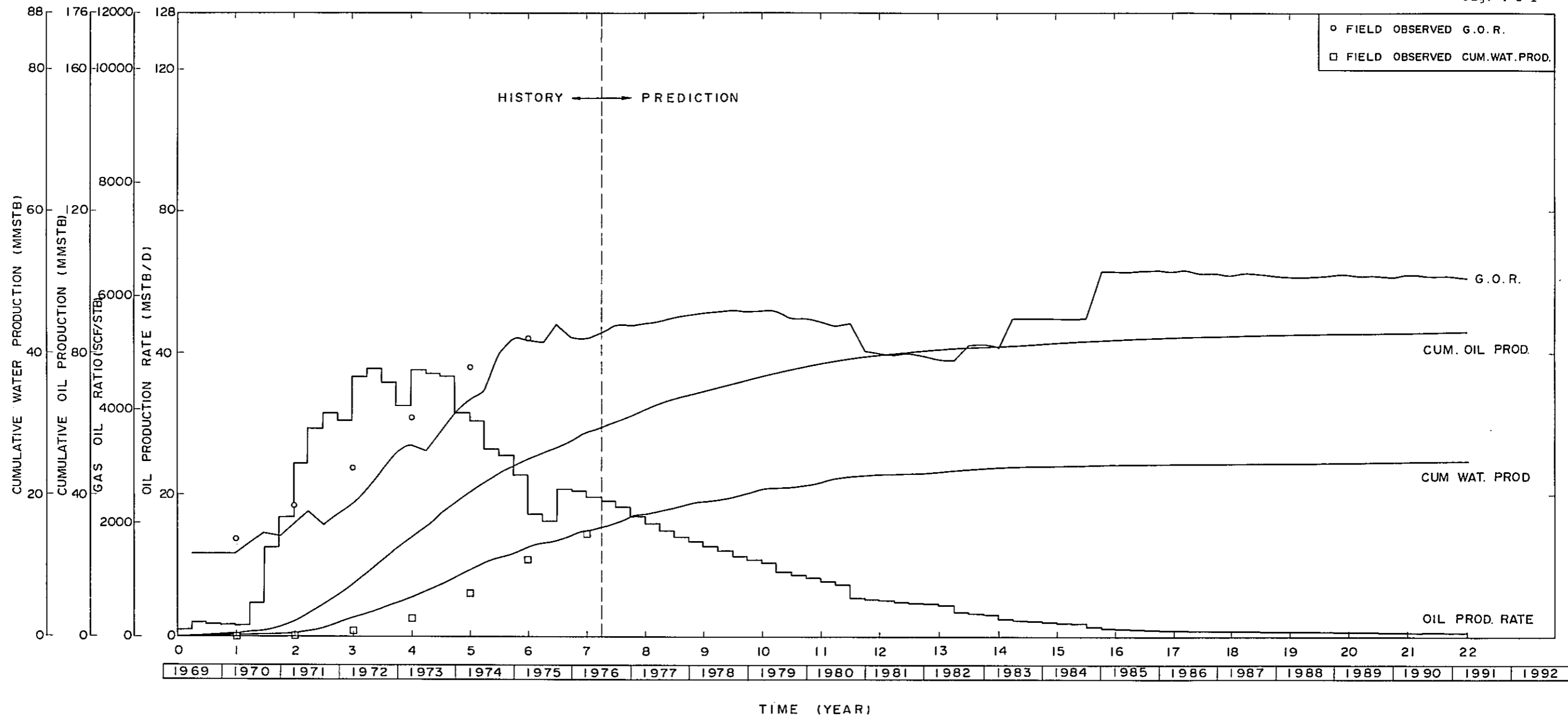


Fig. 4-3-1 PREDICTED PERFORMANCE OF BARAM A FIELD
Vol. IV

Fig. 4-3-2

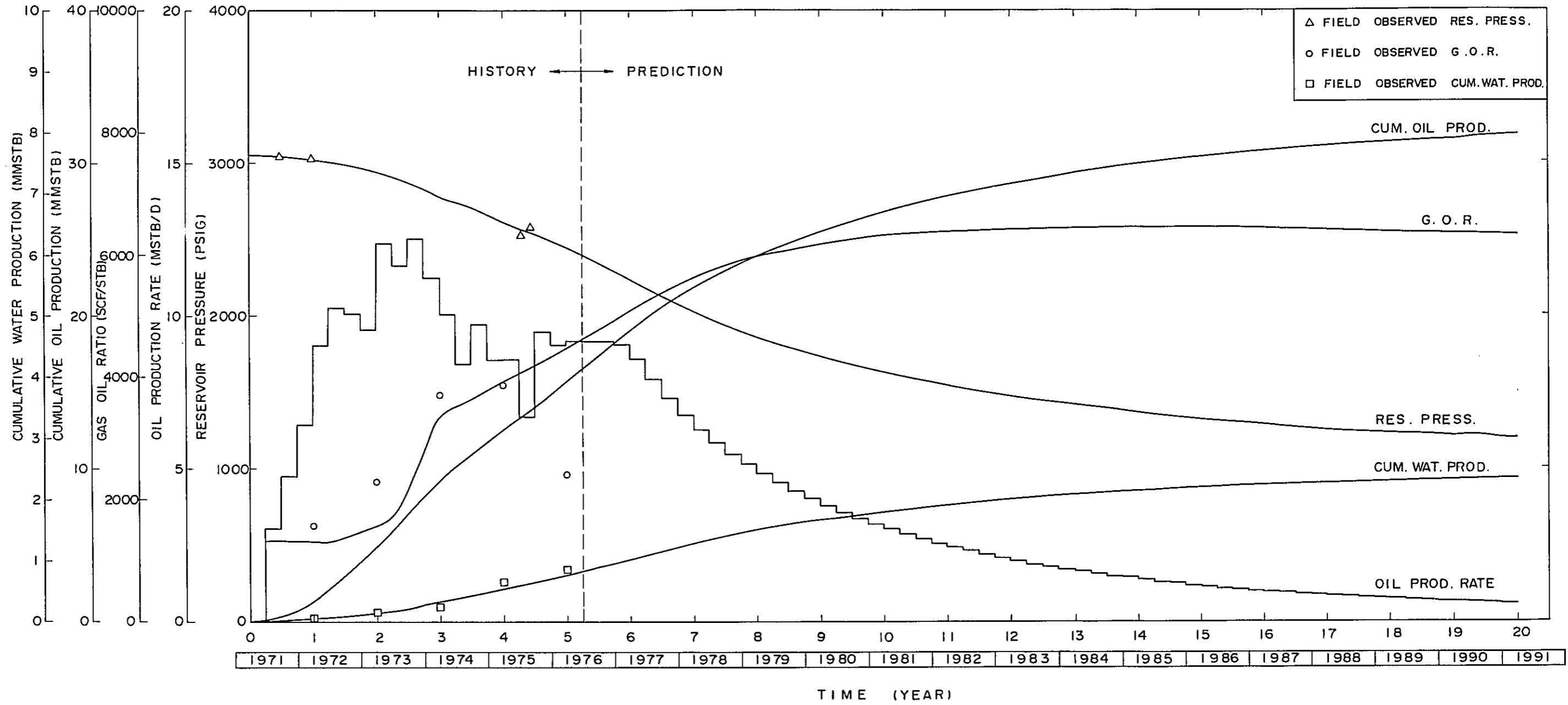


Fig. 4-3-2 PREDICTED PERFORMANCE OF BLOCK I, BARAM A FIELD
Vol. IV

Fig. 4-3-3

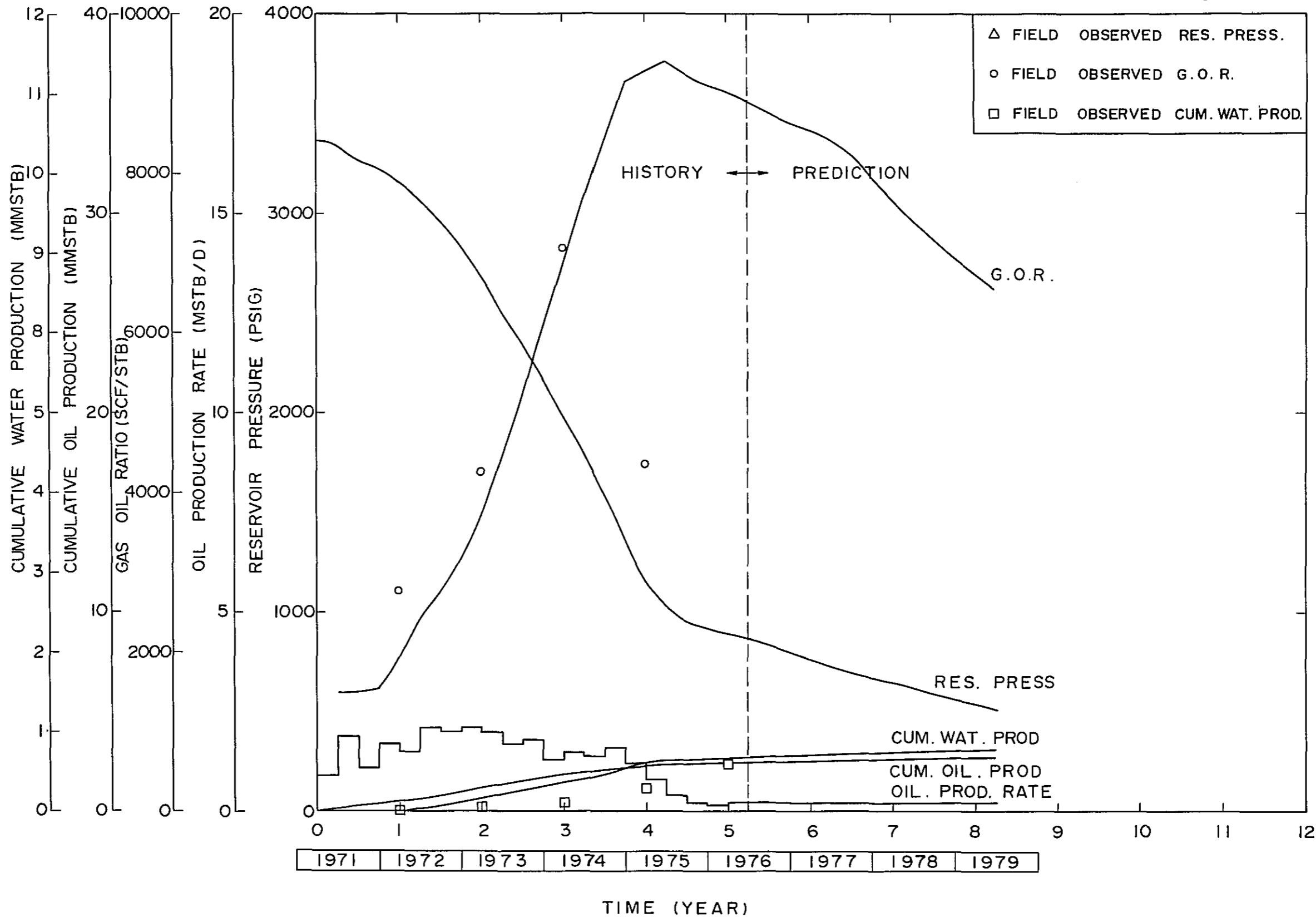


Fig. 4-3-3
Vol. IV

PREDICTED PERFORMANCE OF BLOCK II, BARAM A FIELD

Fig. 4-3-4

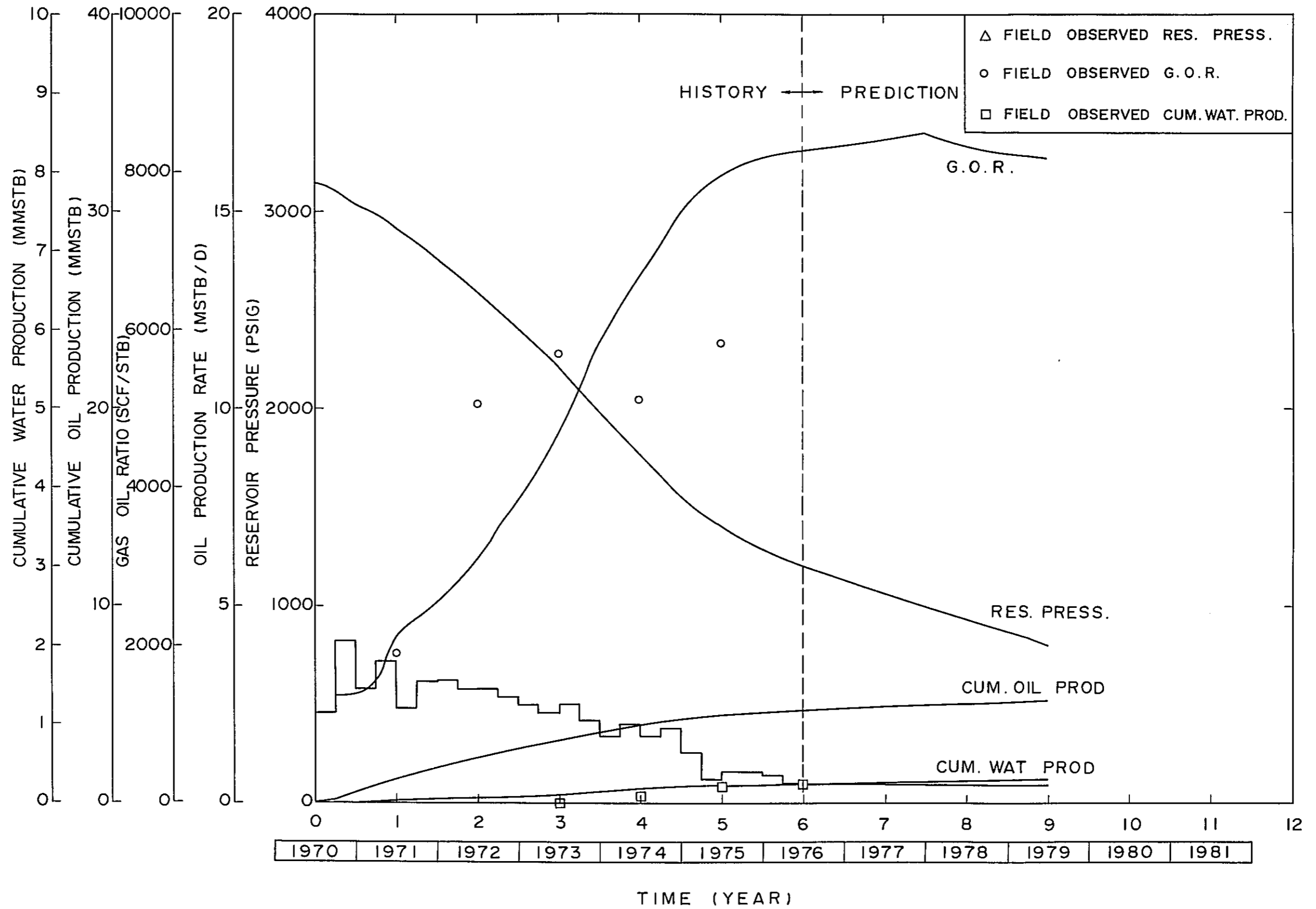


Fig. 4-3-4
Vol. IV

PREDICTED PERFORMANCE OF BLOCK IV, BARAM A FIELD

Fig. 4-3-5

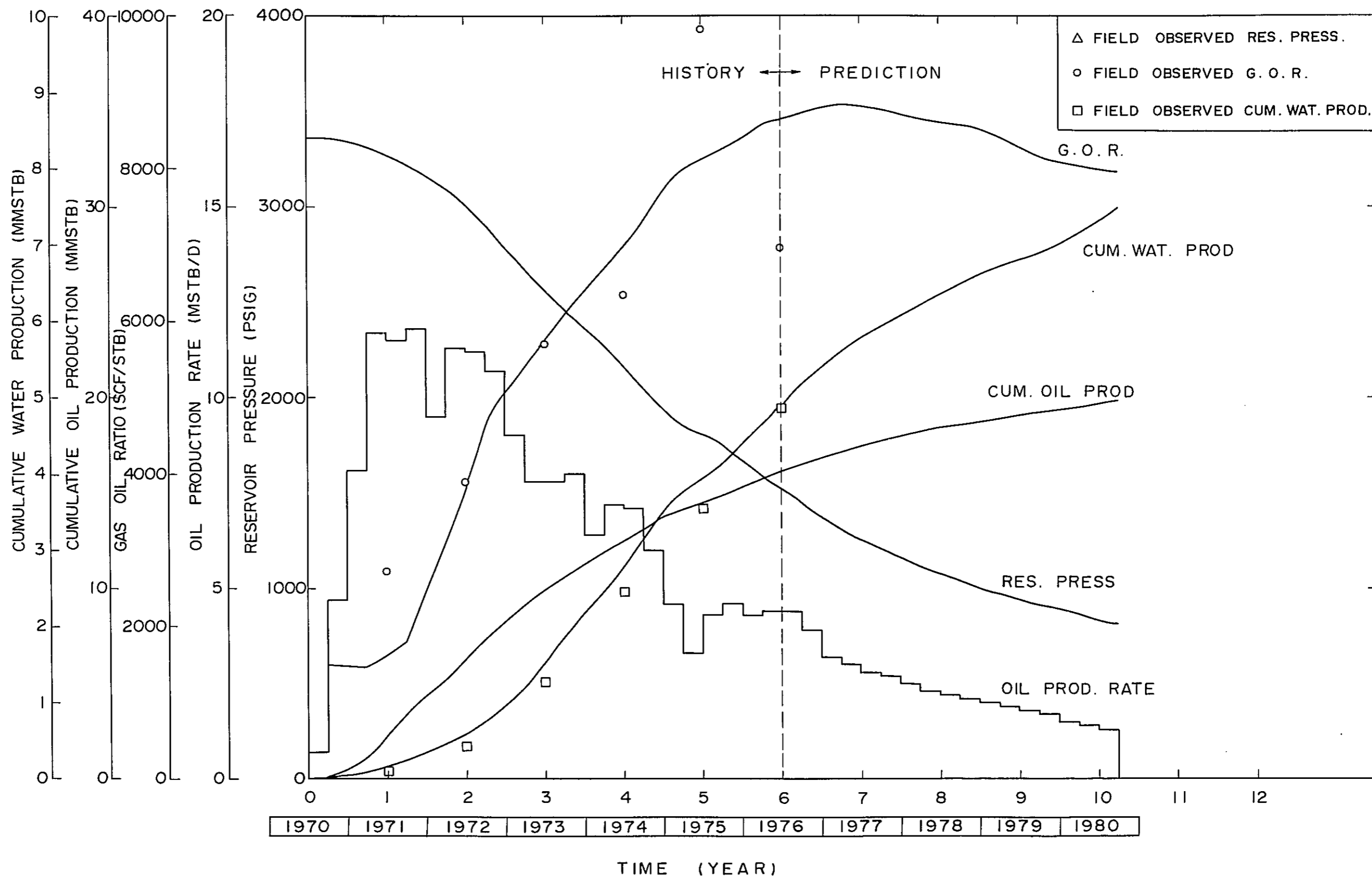


Fig. 4-3-5
Vol. IV

PREDICTED PERFORMANCE OF BLOCK V, BARAM A FIELD

Fig. 4-3-6

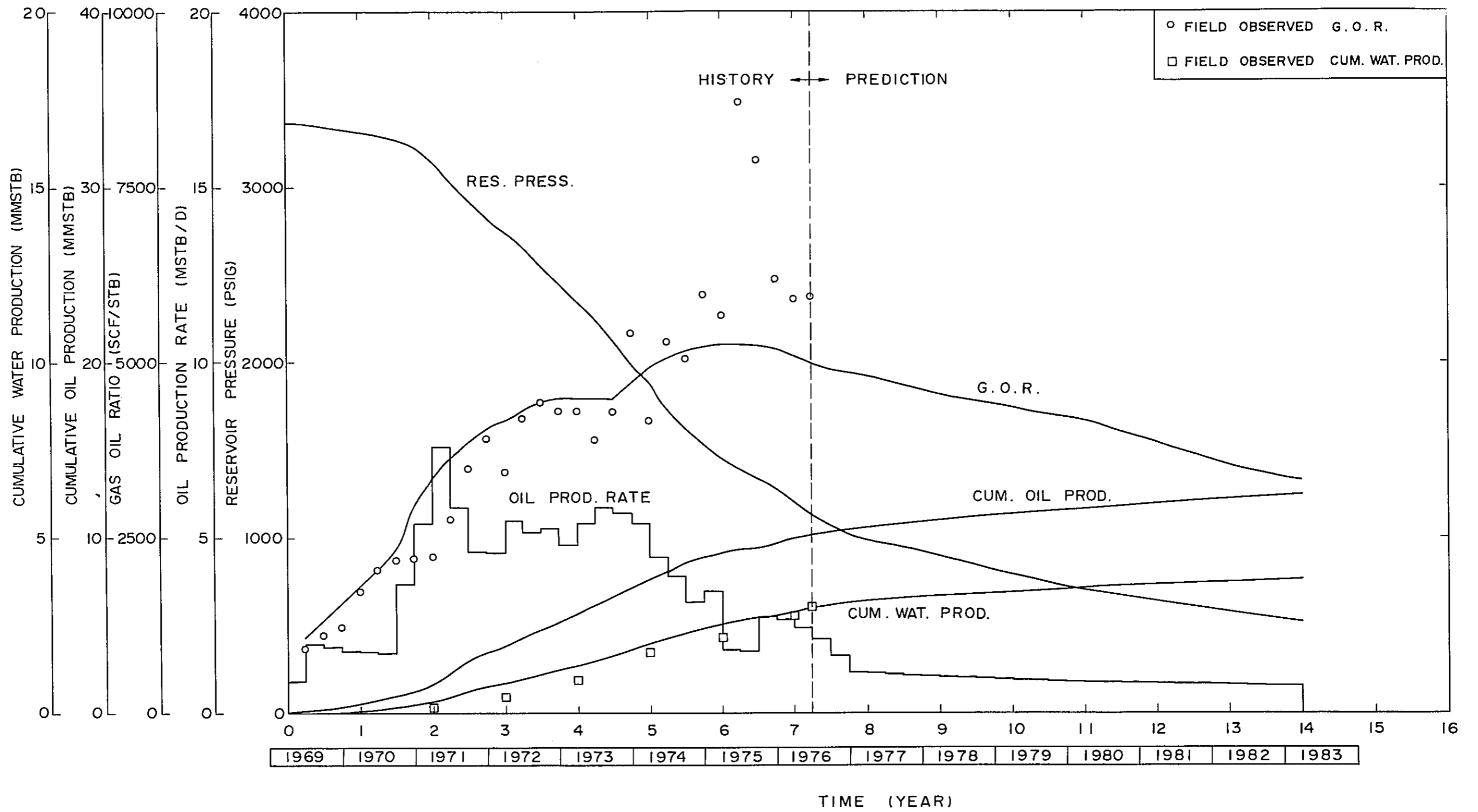


Fig. 4-3-6
Vol. IV

PREDICTED PERFORMANCE OF BLOCK VI, BARAM A FIELD

Fig. 4-3-7

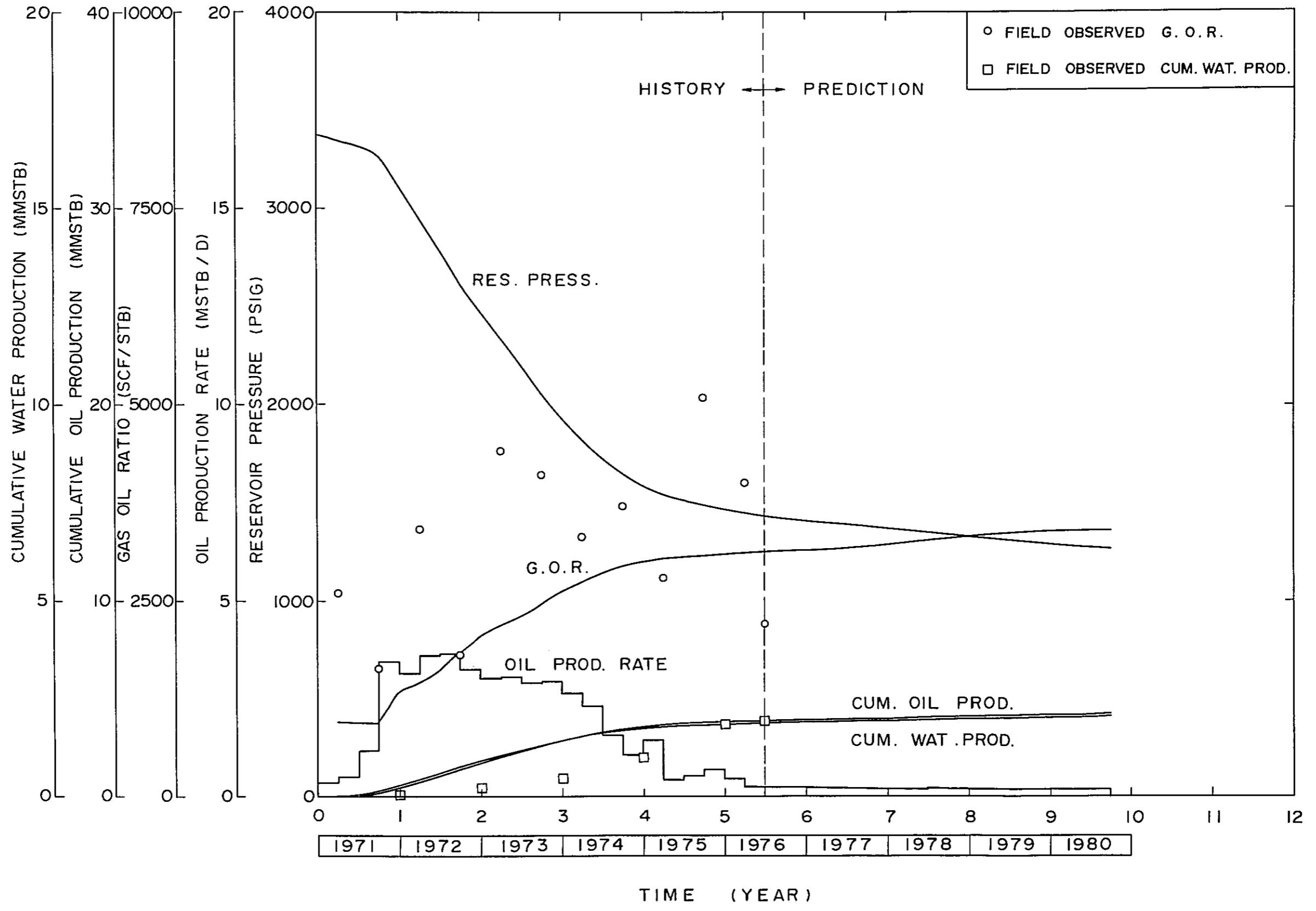


Fig. 4-3-7
Vol. IV

PREDICTED PERFORMANCE OF BLOCK VII, BARAM A FIELD

Fig. 4-3-8

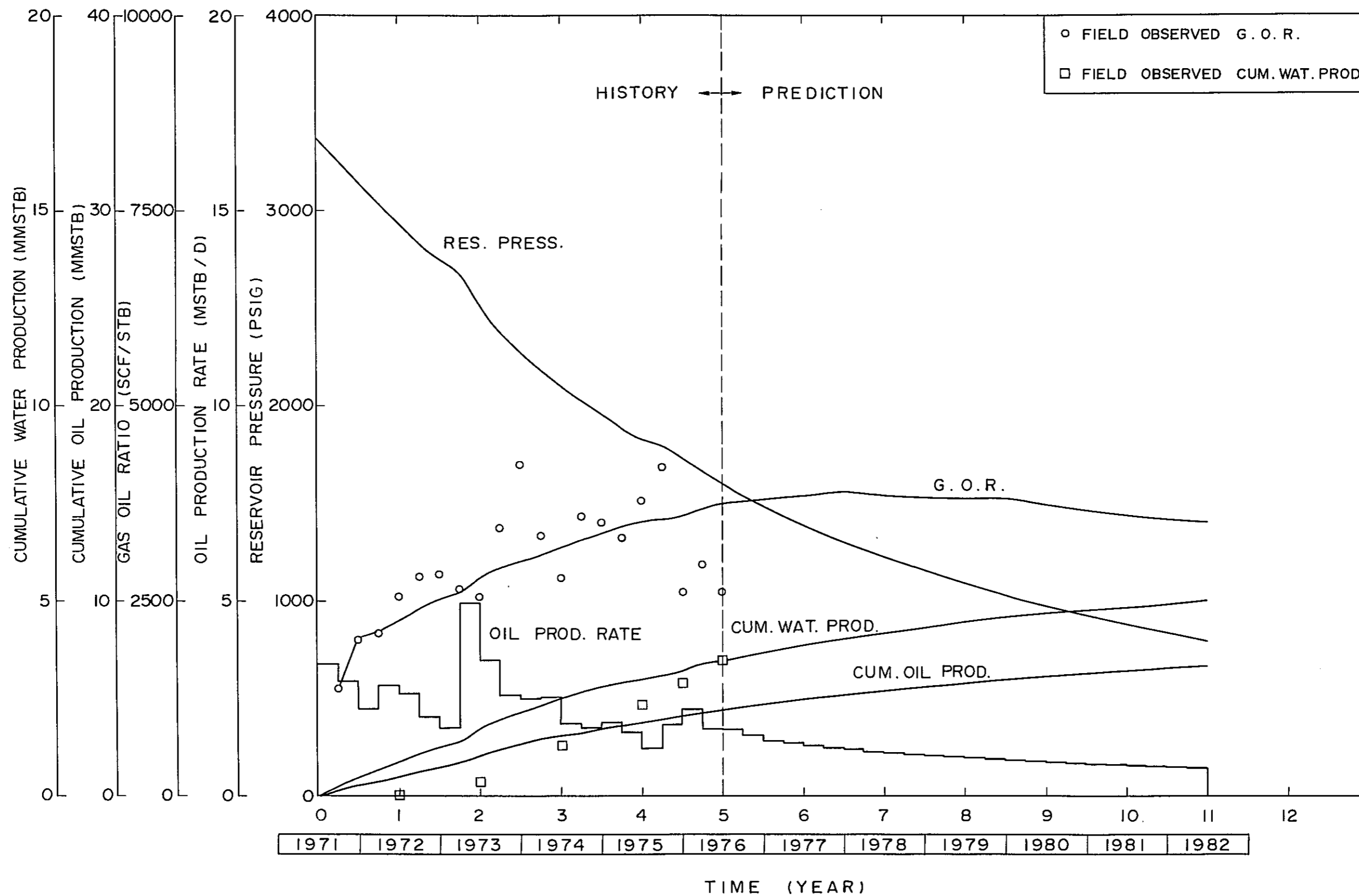


Fig. 4-3-8
Vol. IV

PREDICTED PERFORMANCE OF BLOCK VIII, BARAM A FIELD

Fig. 4-3-9

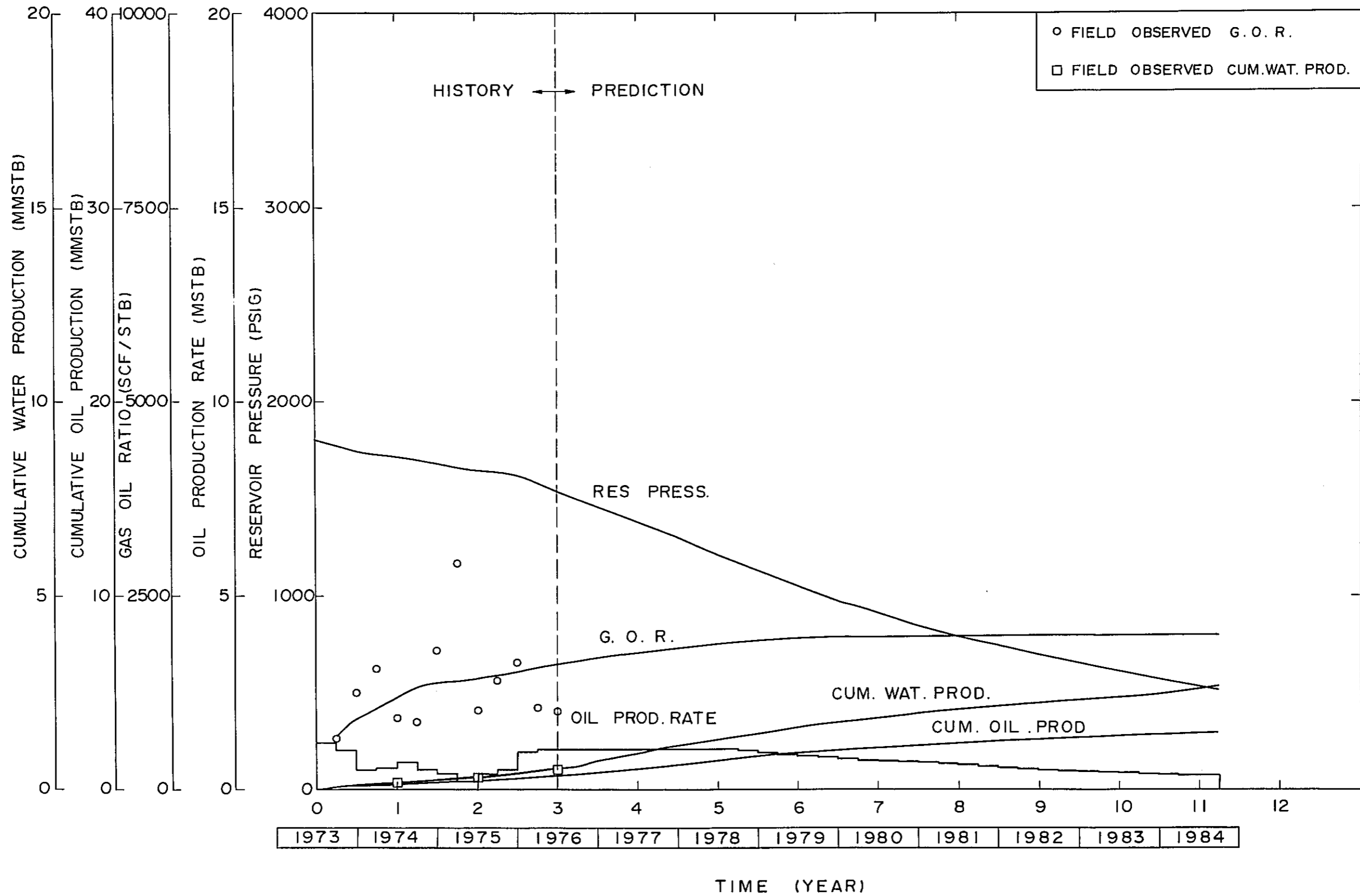


Fig. 4-3-9
Vol. IV

PREDICTED PERFORMANCE OF UPPER BLOCK, BARAM A FIELD

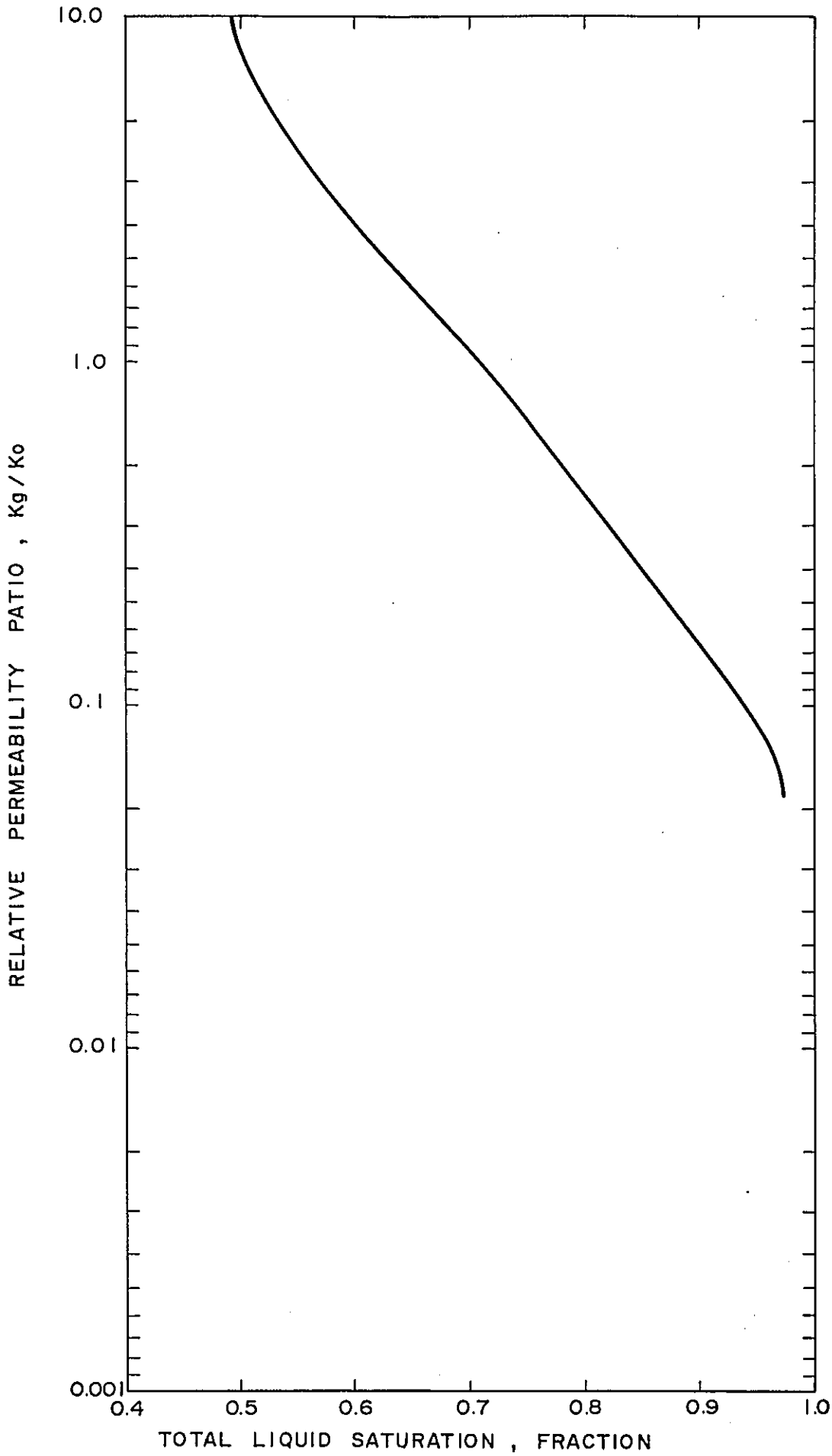


Fig. 4-3-10 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK I,
 Vol. IV BARAM A FIELD

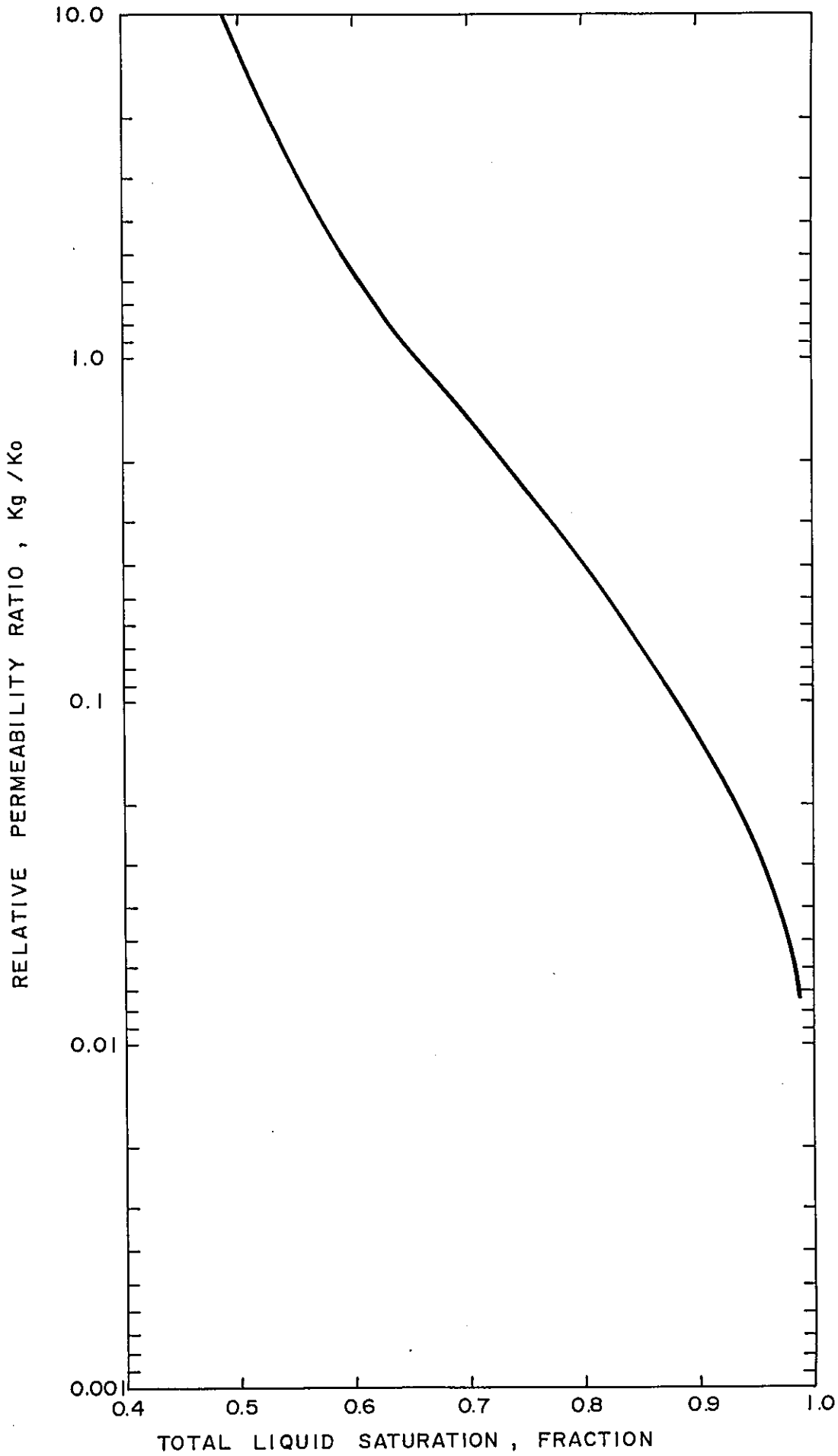


Fig. 4-3-11 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK II,
 Vol. IV BARAM A FIELD

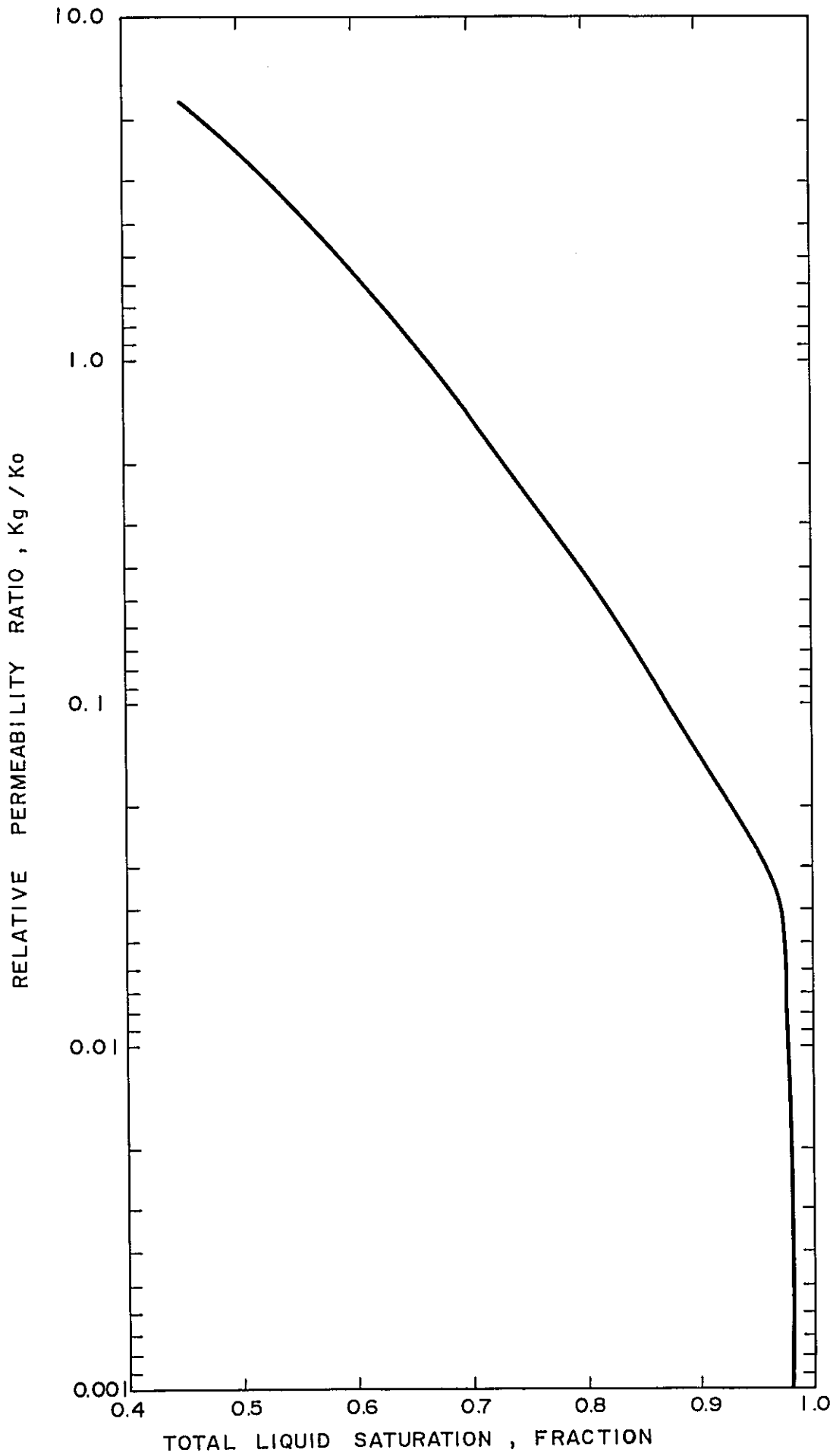


Fig. 4-3-12 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK IV,
Vol. IV BARAM A FIELD

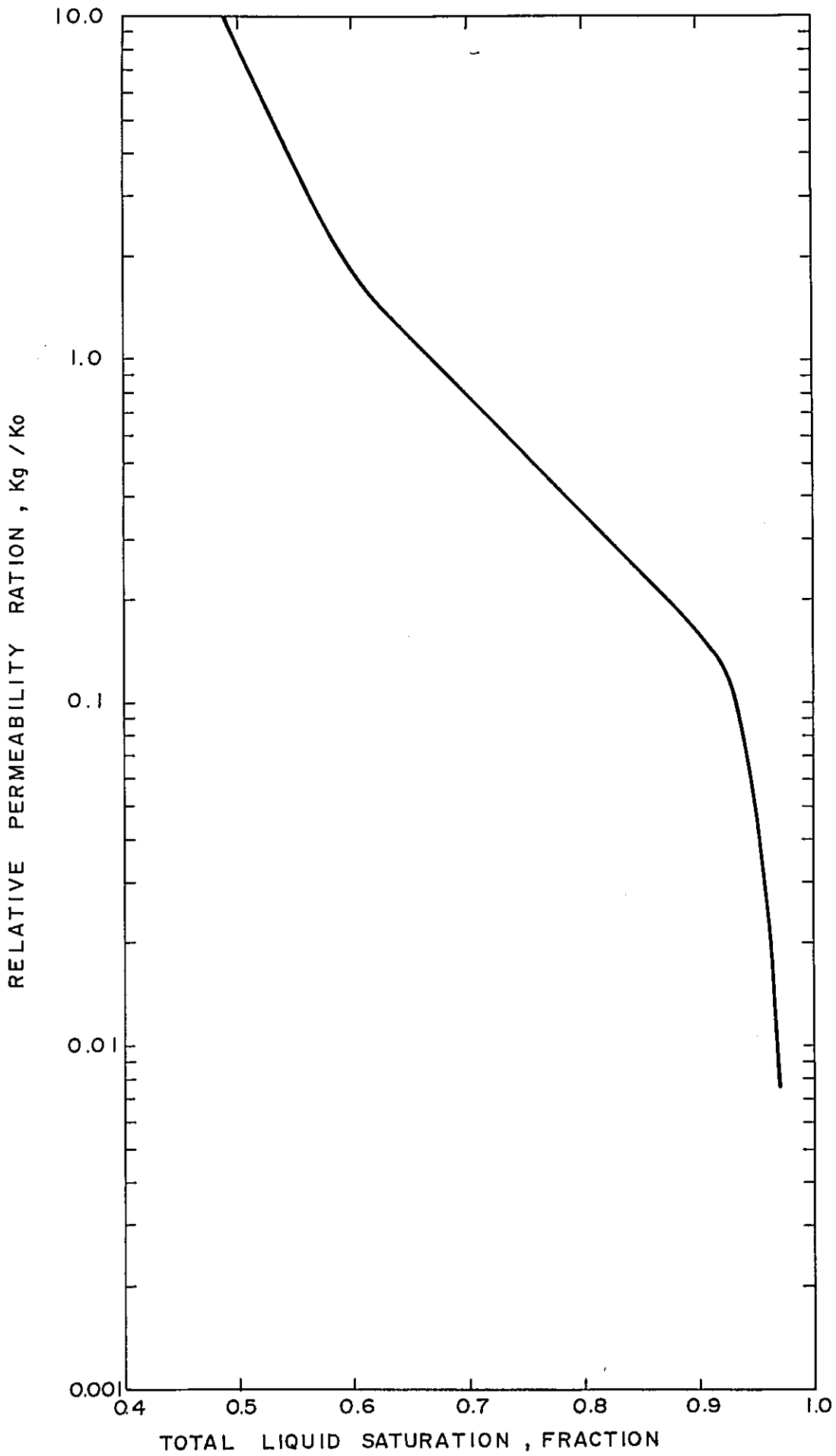


Fig. 4-3-13 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK V, BARAM A FIELD
Vol. IV

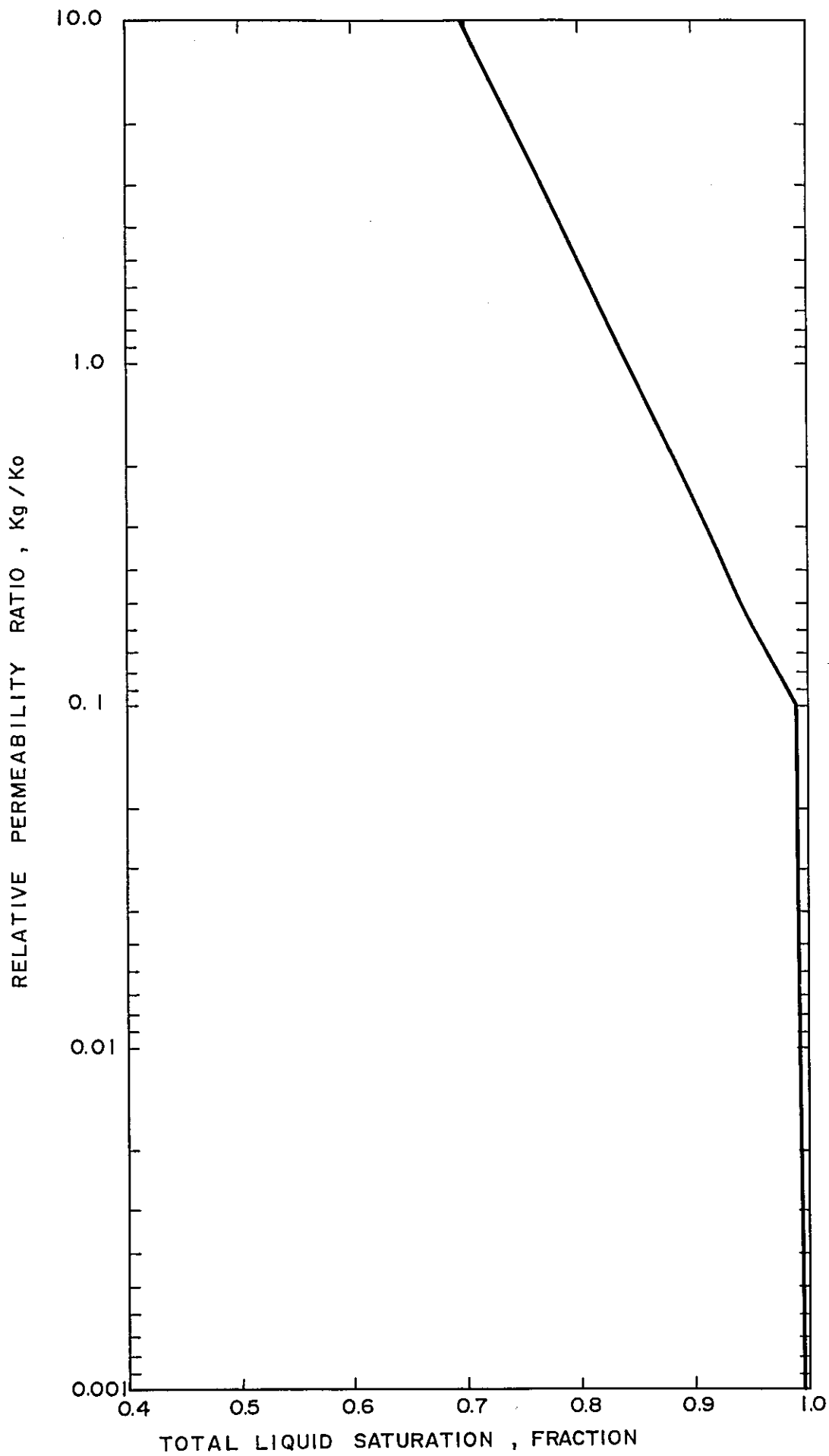


Fig. 4-3-14 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK VI, BARAM A FIELD
Vol. IV

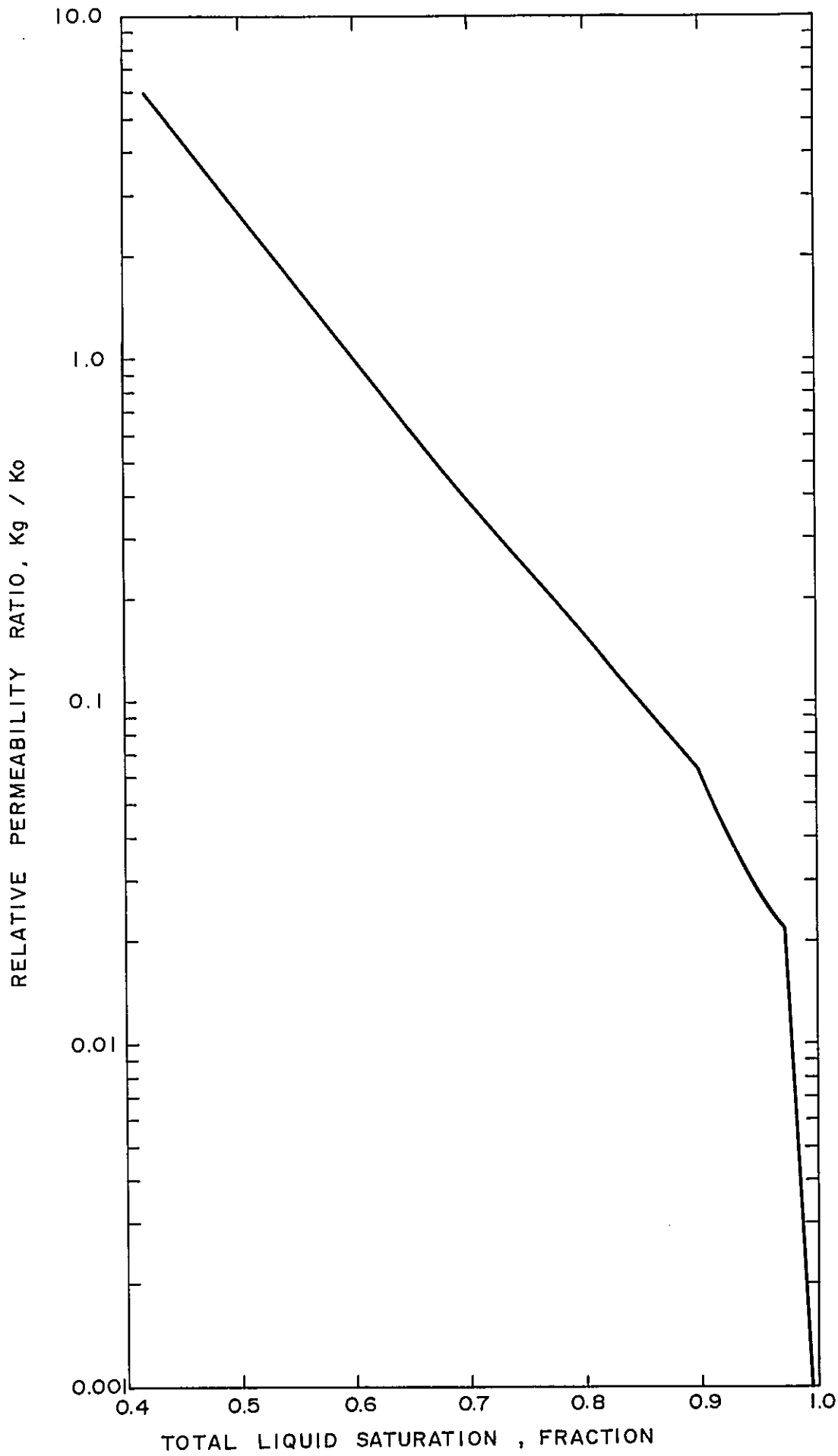


Fig. 4-3-15 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK VII, BARAM A FIELD
Vol. IV

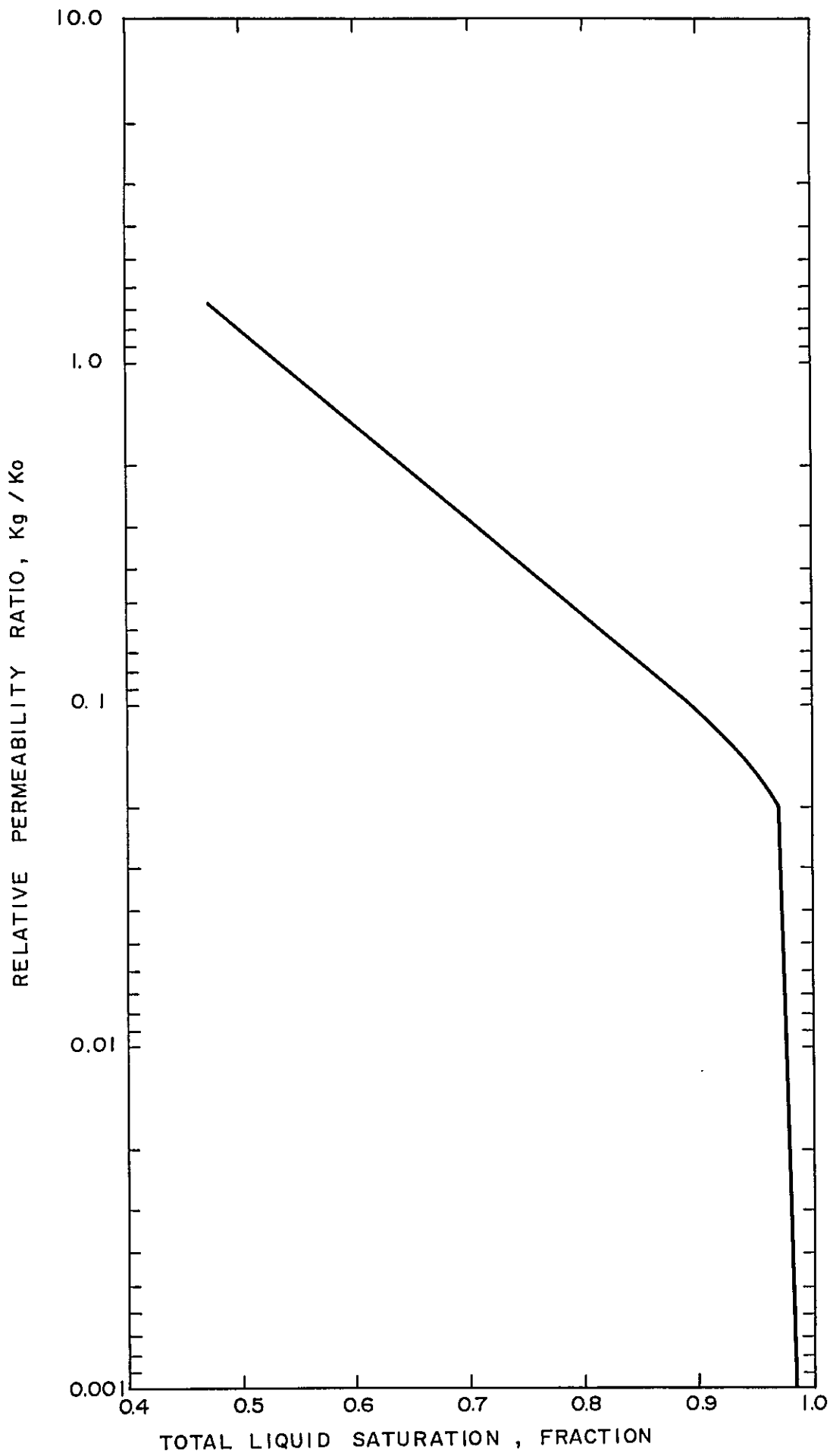


Fig. 4-3-16 GAS-OIL RELATIVE PERMEABILITY RATIO OF BLOCK VIII, BARAM A FIELD
Vol. IV

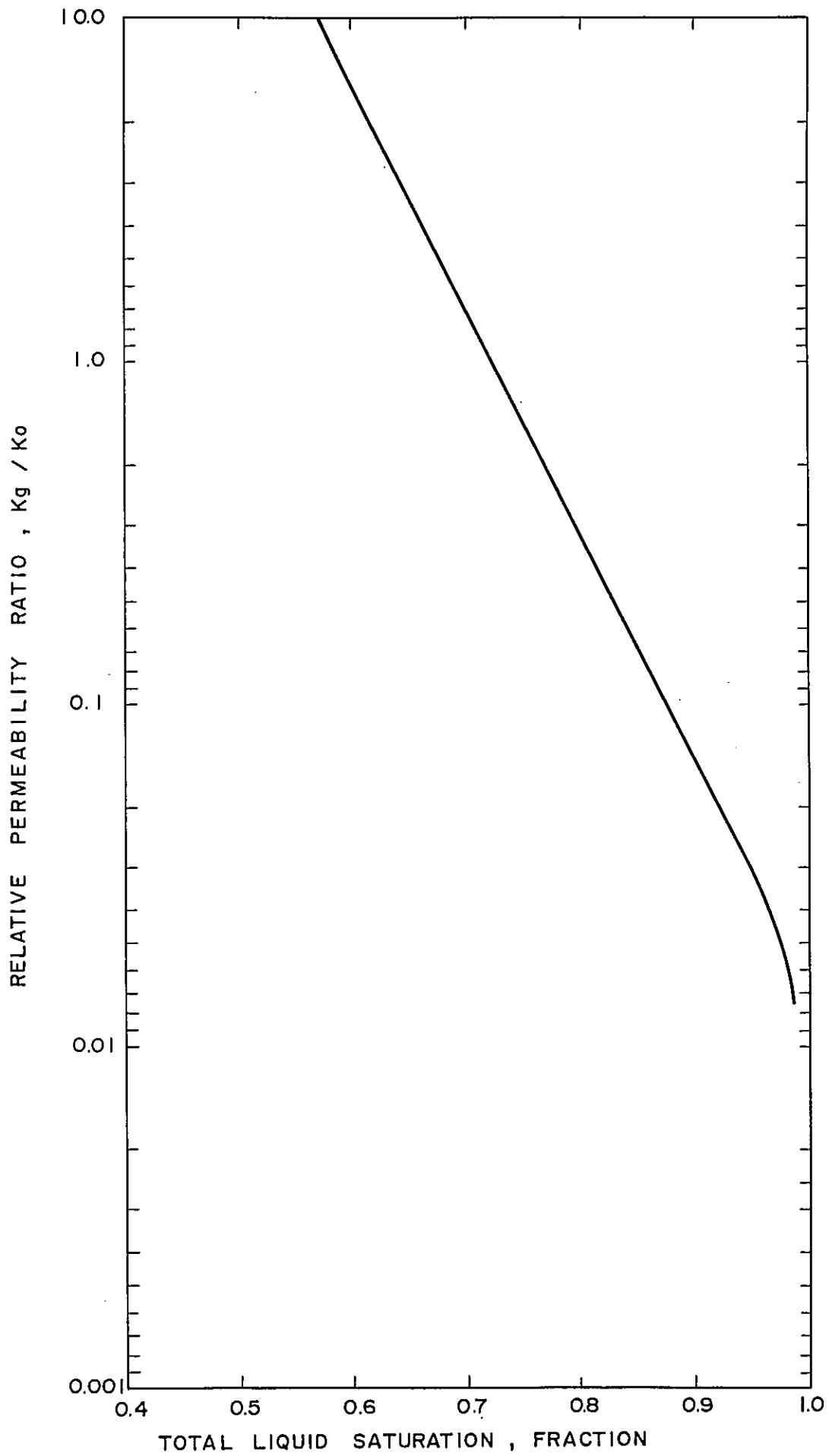


Fig. 4-3-17 GAS-OIL RELATIVE PERMEABILITY RATIO OF UPPER BLOCK, BARAM A FIELD
Vol. IV

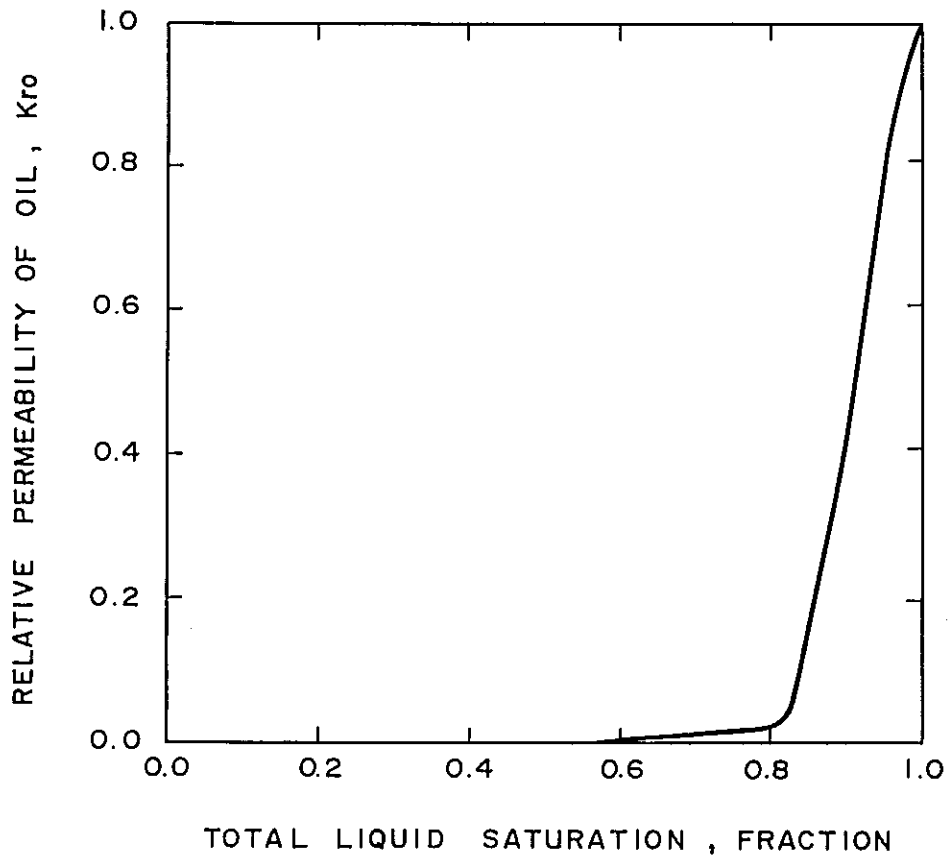


Fig. 4-3-18 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK I, BARAM A FIELD

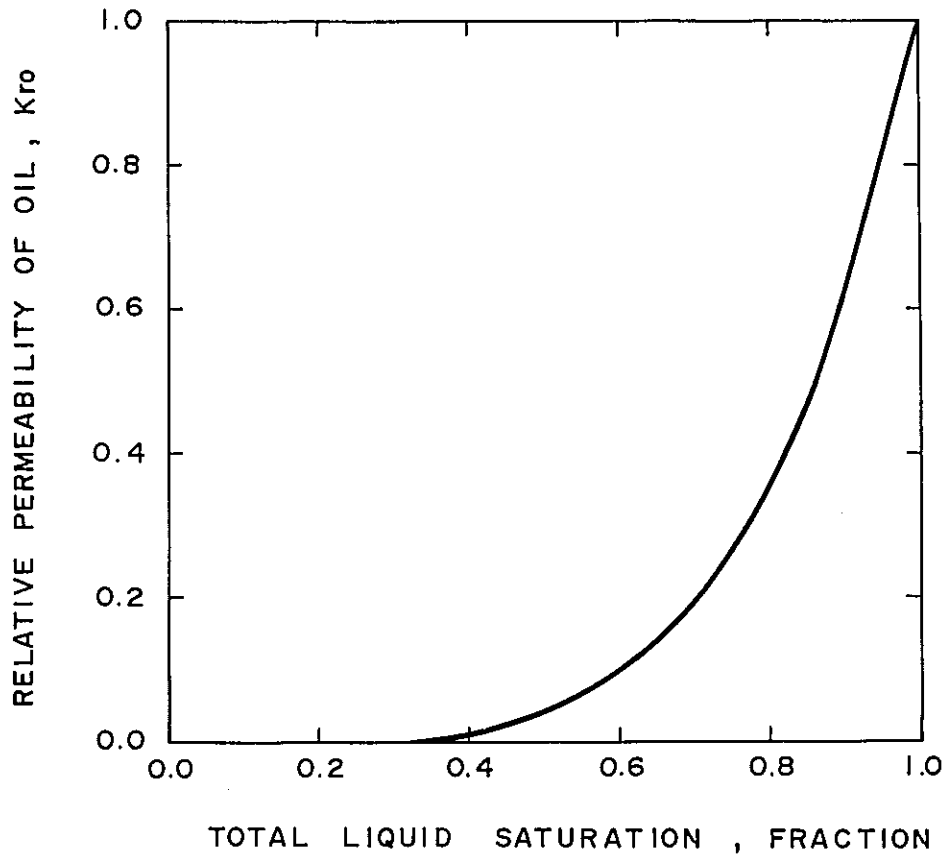


Fig. 4-3-19 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK II, BARAM A FIELD

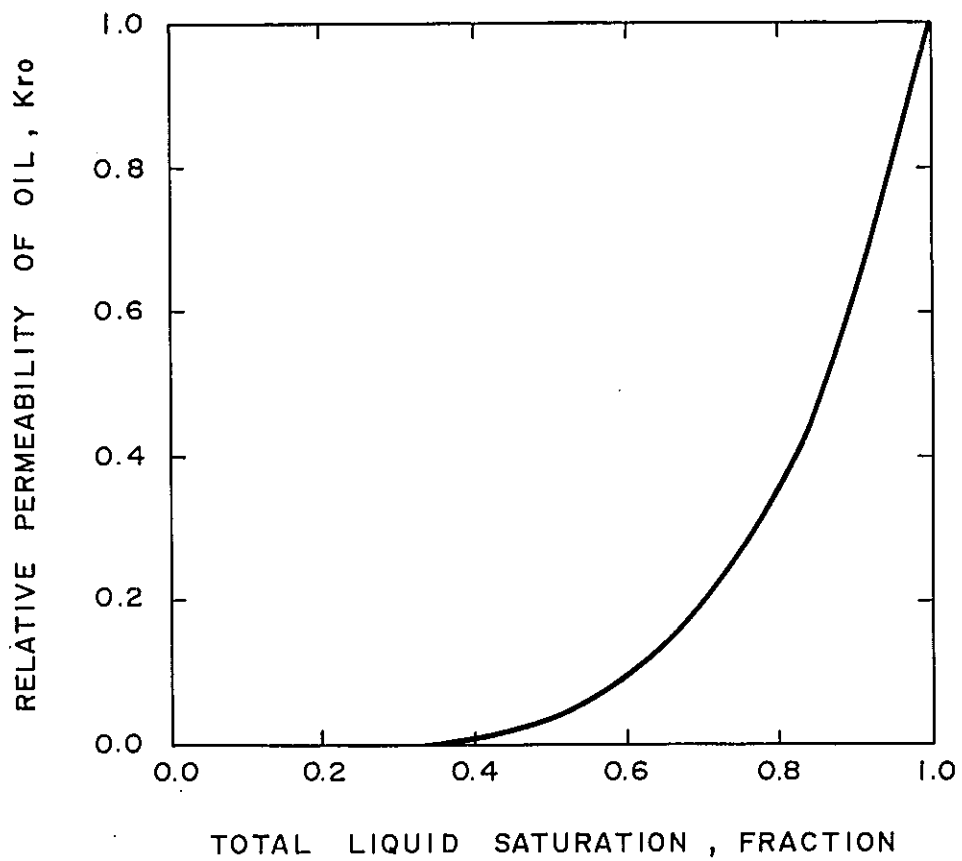


Fig. 4-3-20 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK IV, BARAM A FIELD

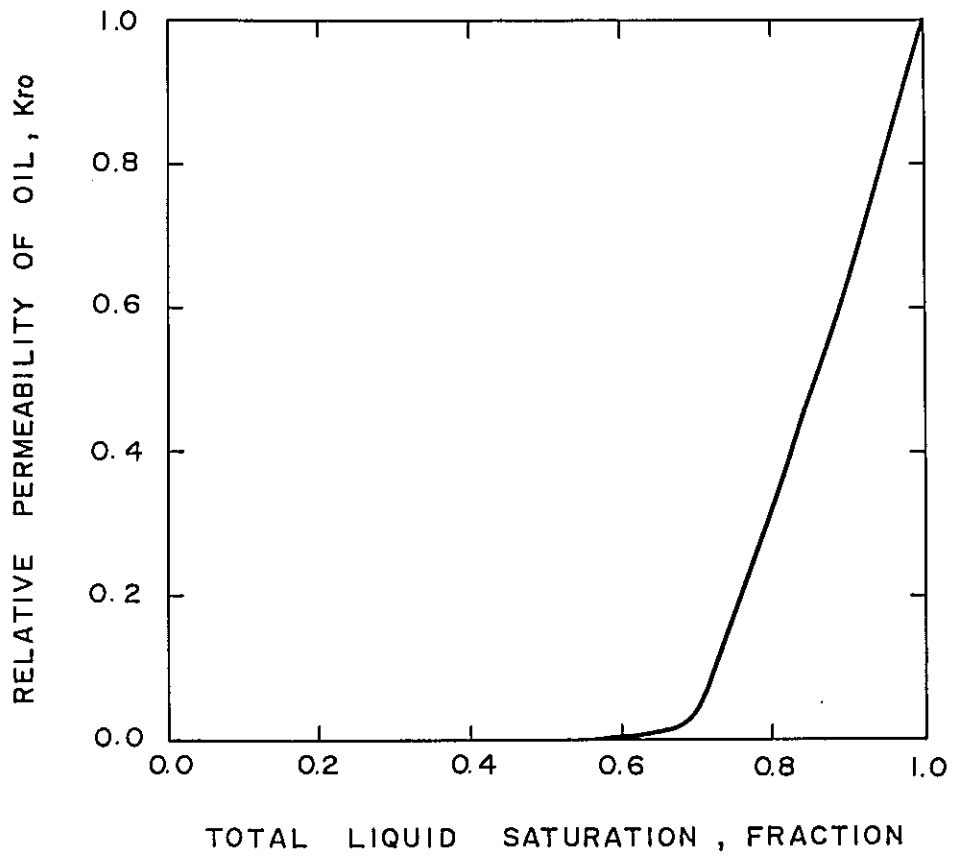


Fig. 4-3-21 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK V, BARAM A FIELD

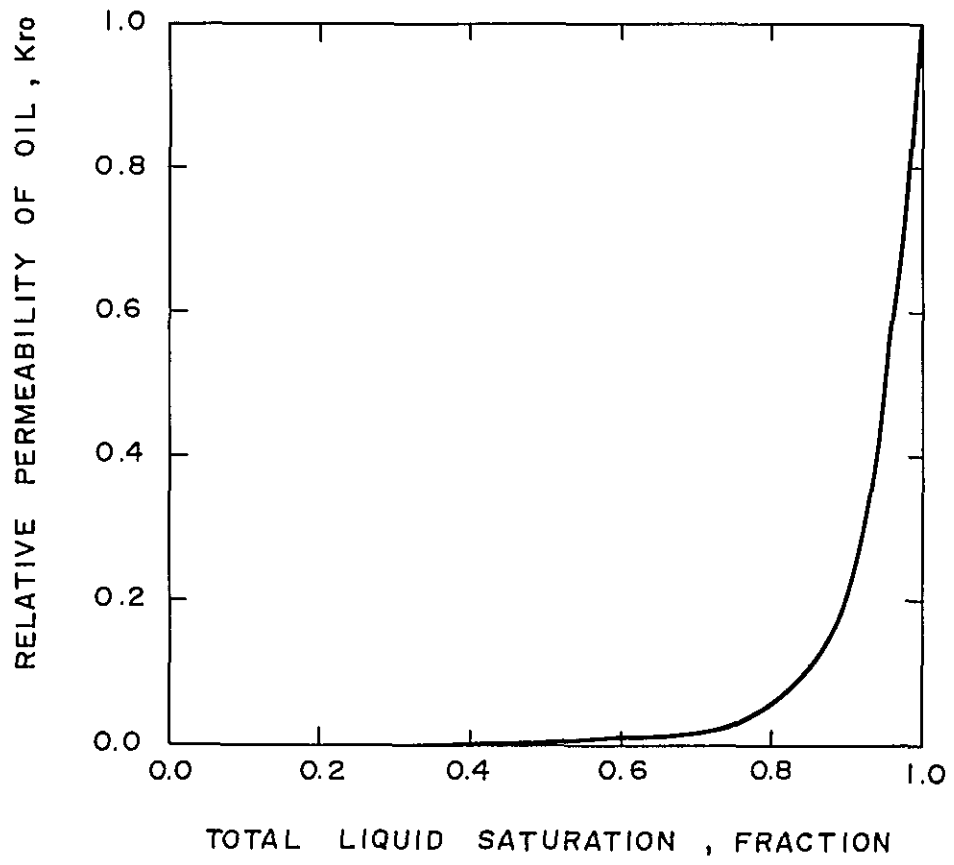


Fig. 4-3-22 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK VI, BARAM A FIELD

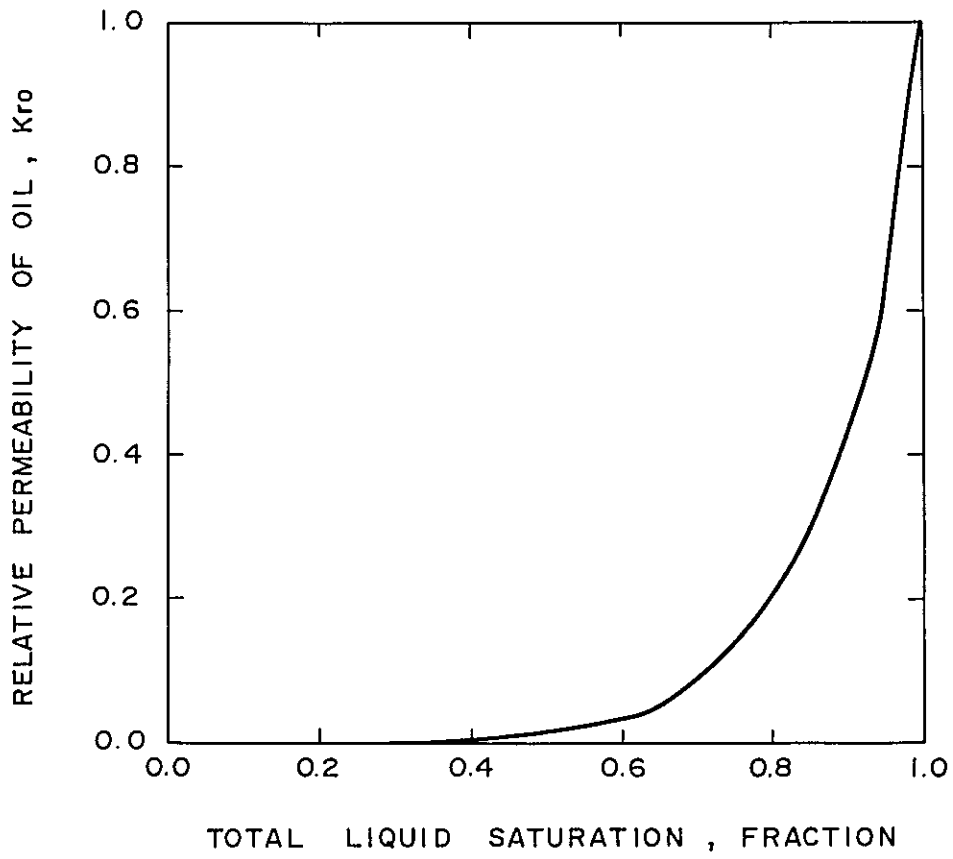


Fig. 4-3-23 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK VII, BARAM A FIELD

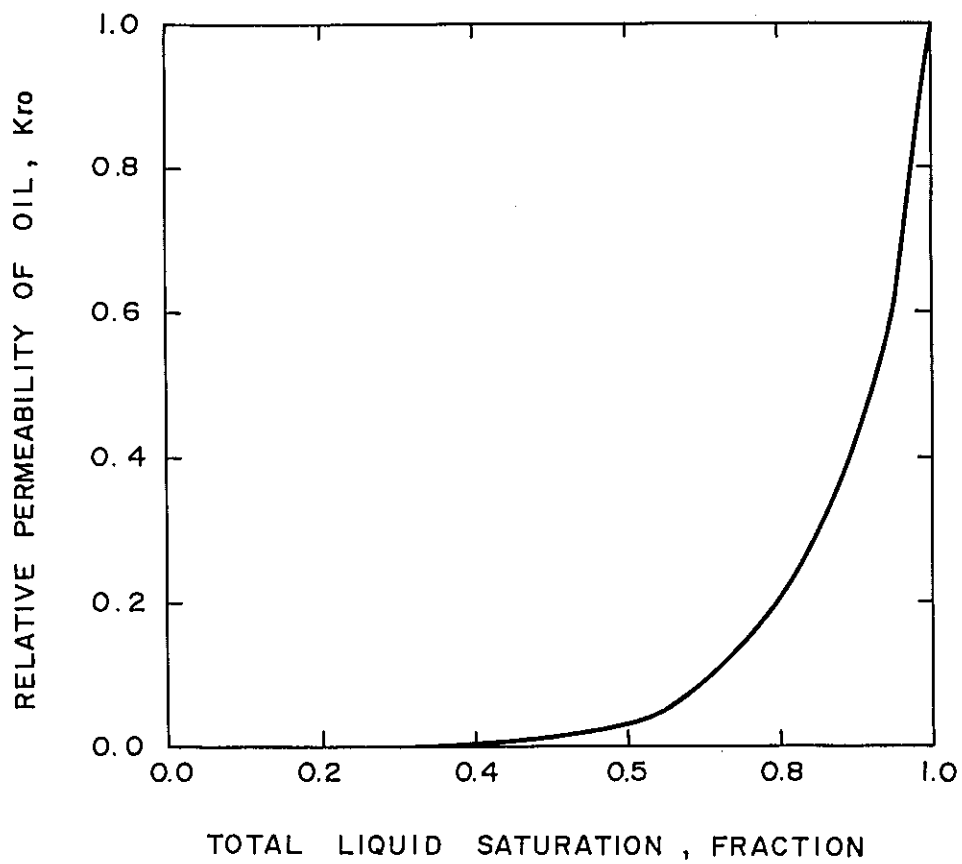


Fig. 4-3-24 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV BLOCK VIII, BARAM A FIELD

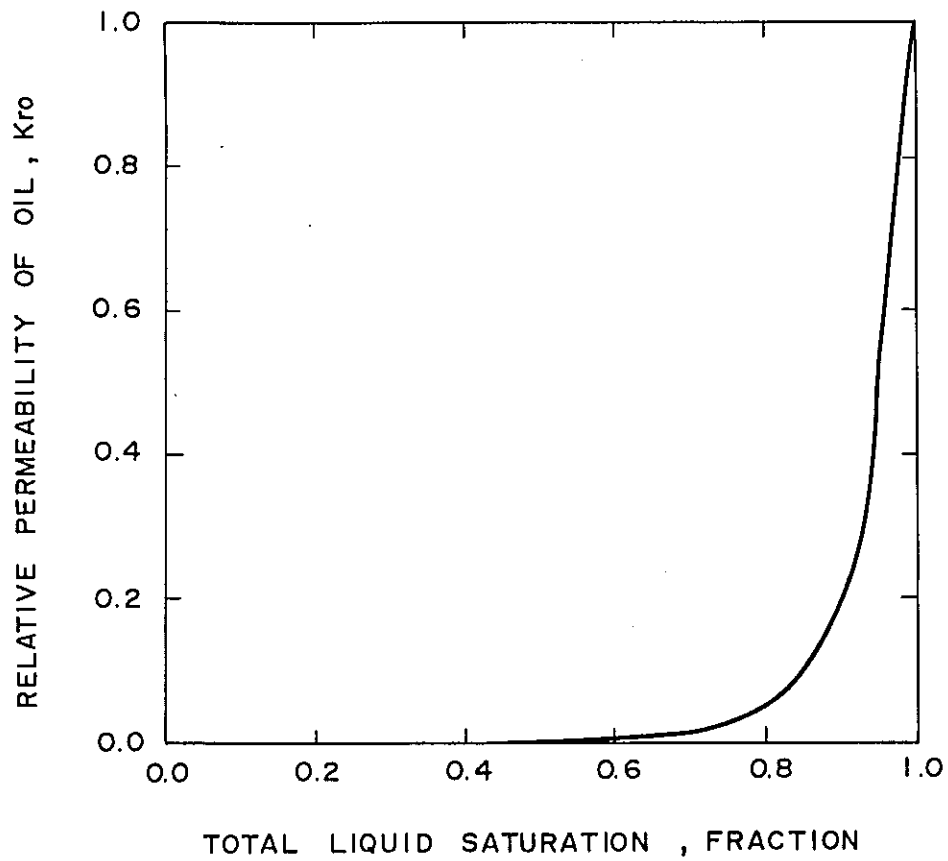


Fig. 4-3-25 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV UPPER BLOCK, BARAM A FIELD

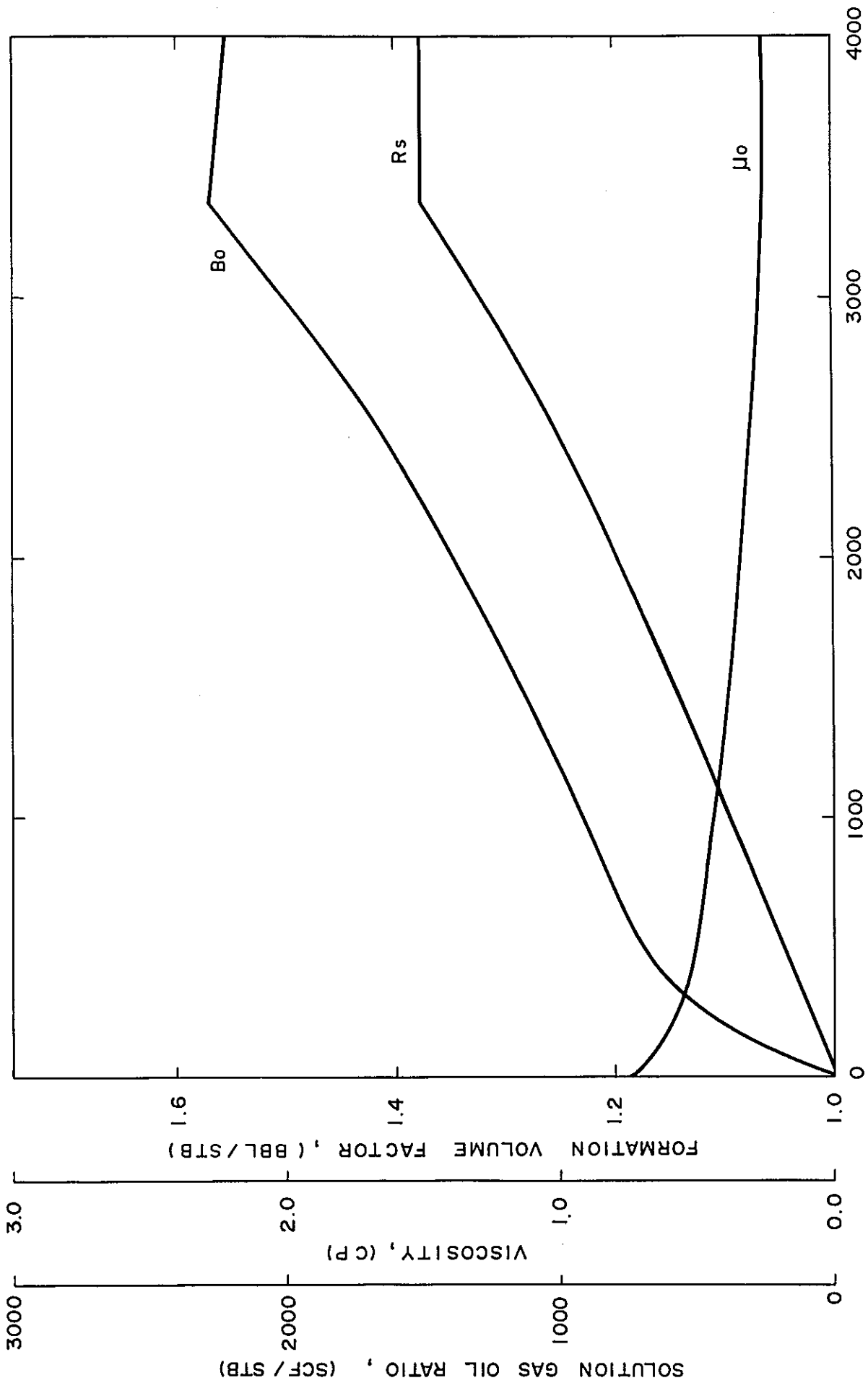


Fig. 4-3-26 OIL PROPERTIES OF BLOCK I, BARAM A FIELD
VOL. IV

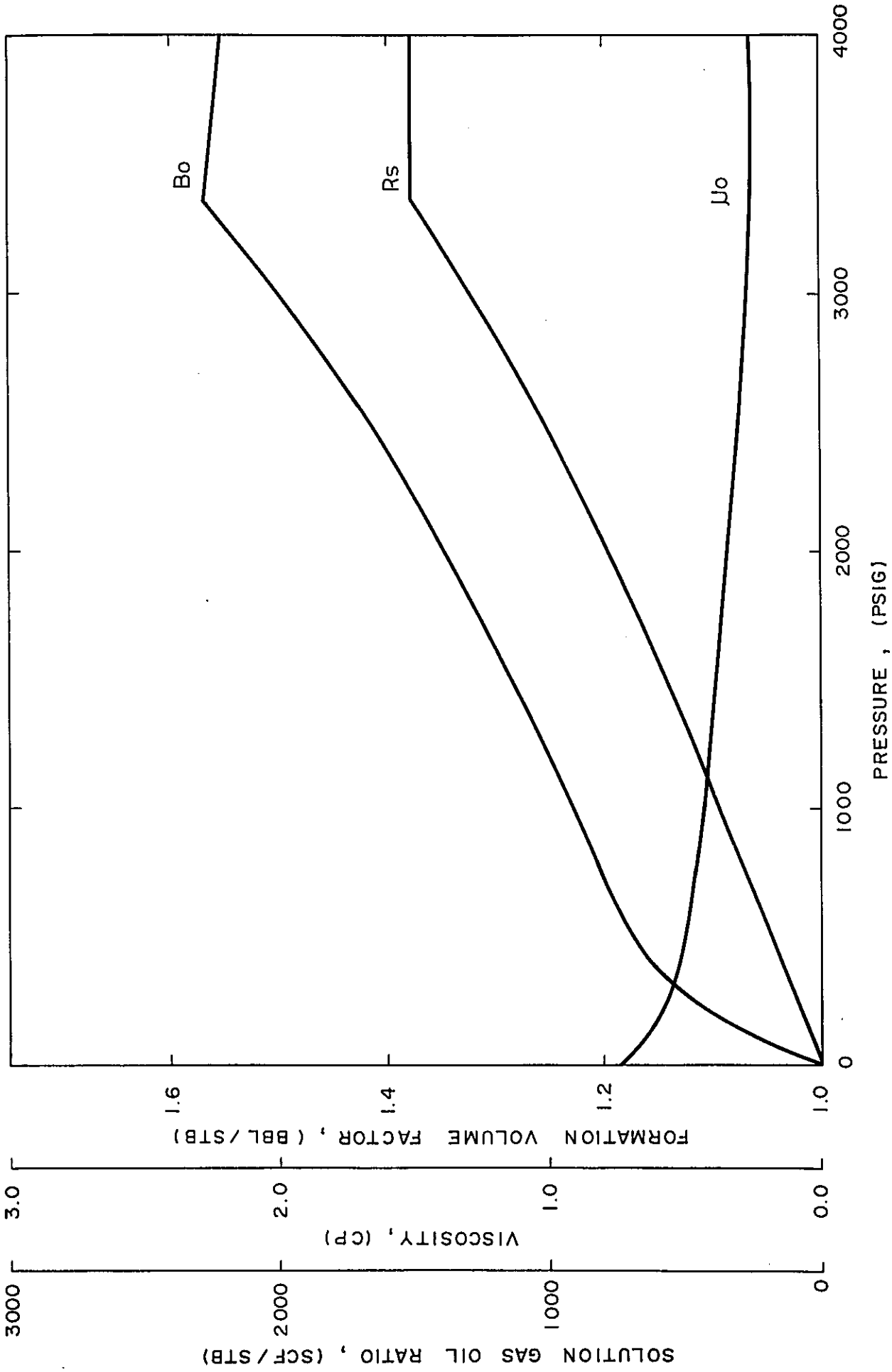


Fig. 4-3-27 OIL PROPERTIES OF BLOCK II, BARAM A FIELD
Vol. IV

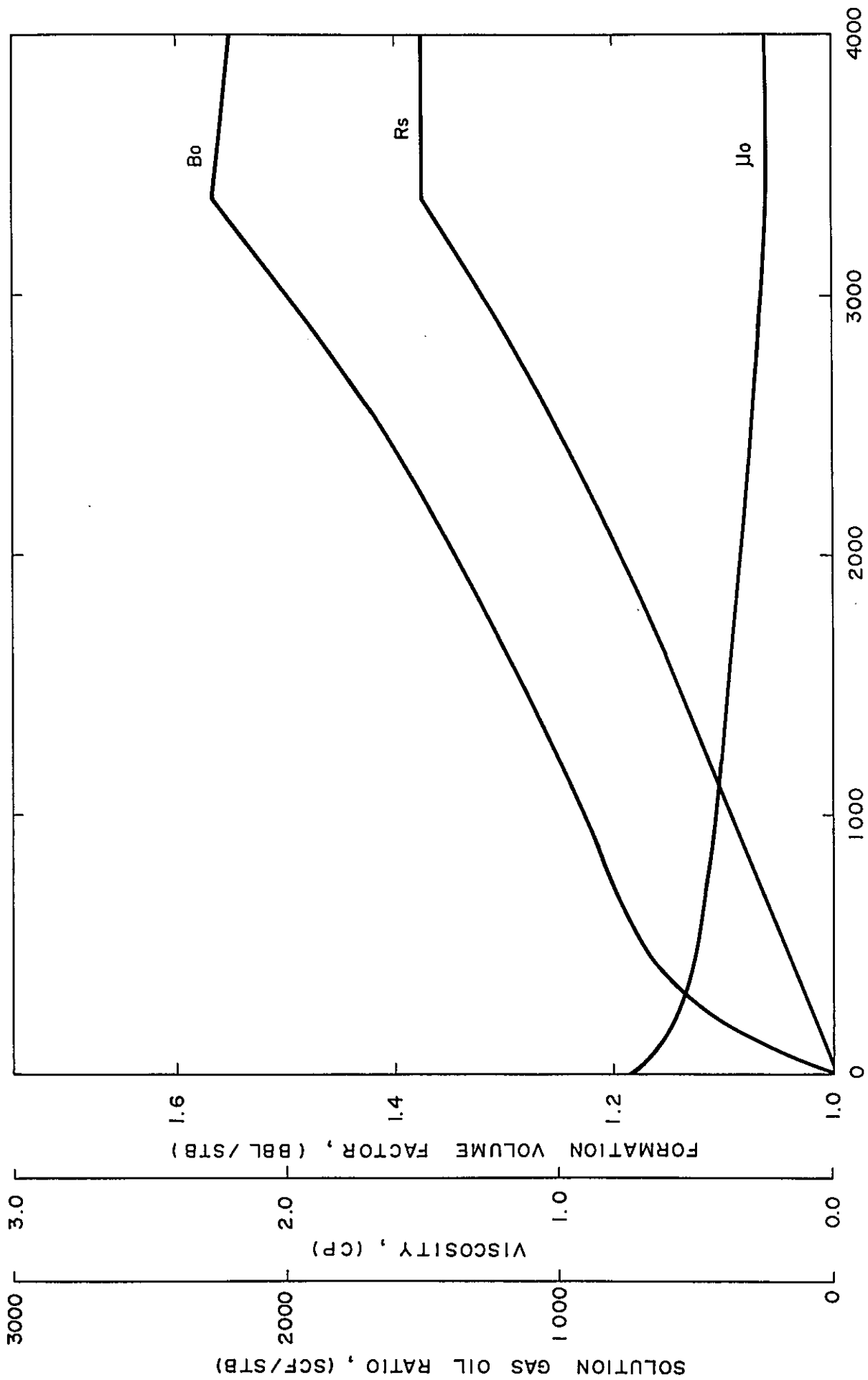


Fig. 4-3-28 OIL PROPERTIES OF BLOCK IV, BARAM A FIELD
Vol. IV

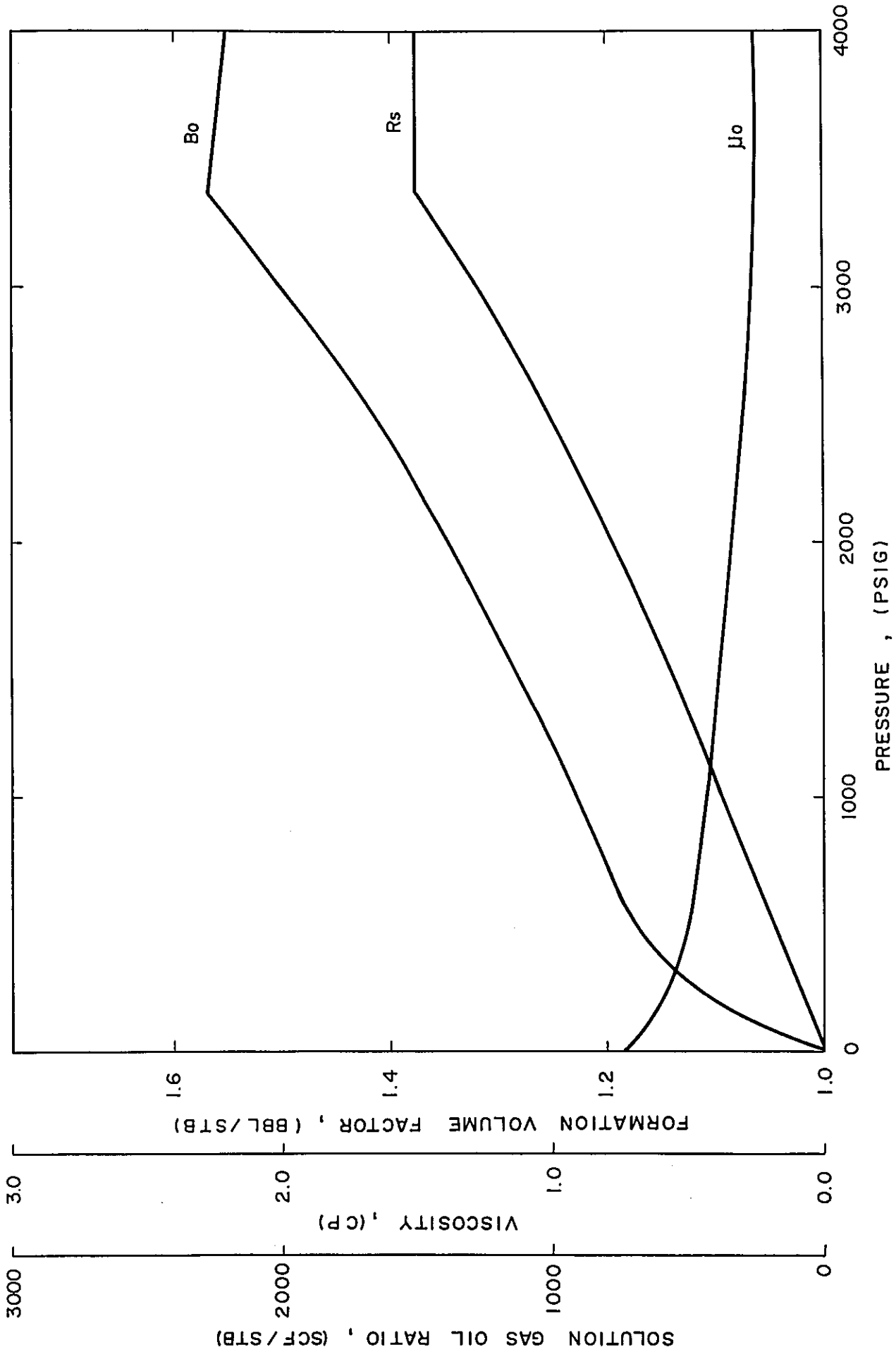


Fig. 4-3-29 OIL PROPERTIES OF BLOCK V, BARAM A FIELD
Vol. IV

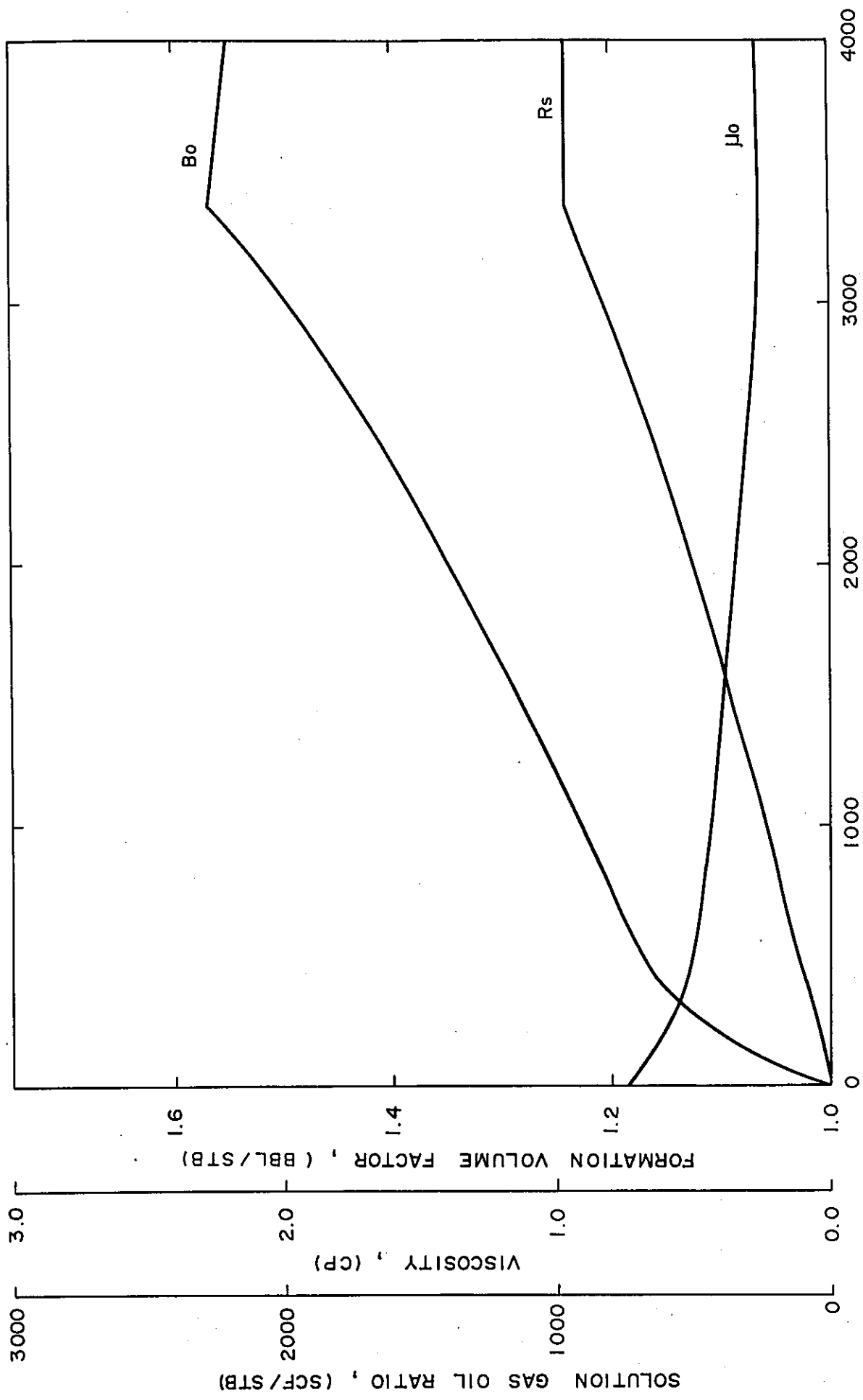


Fig. 4-3-30 OIL PROPERTIES OF BLOCK VI, BARAM A FIELD
Vol. IV

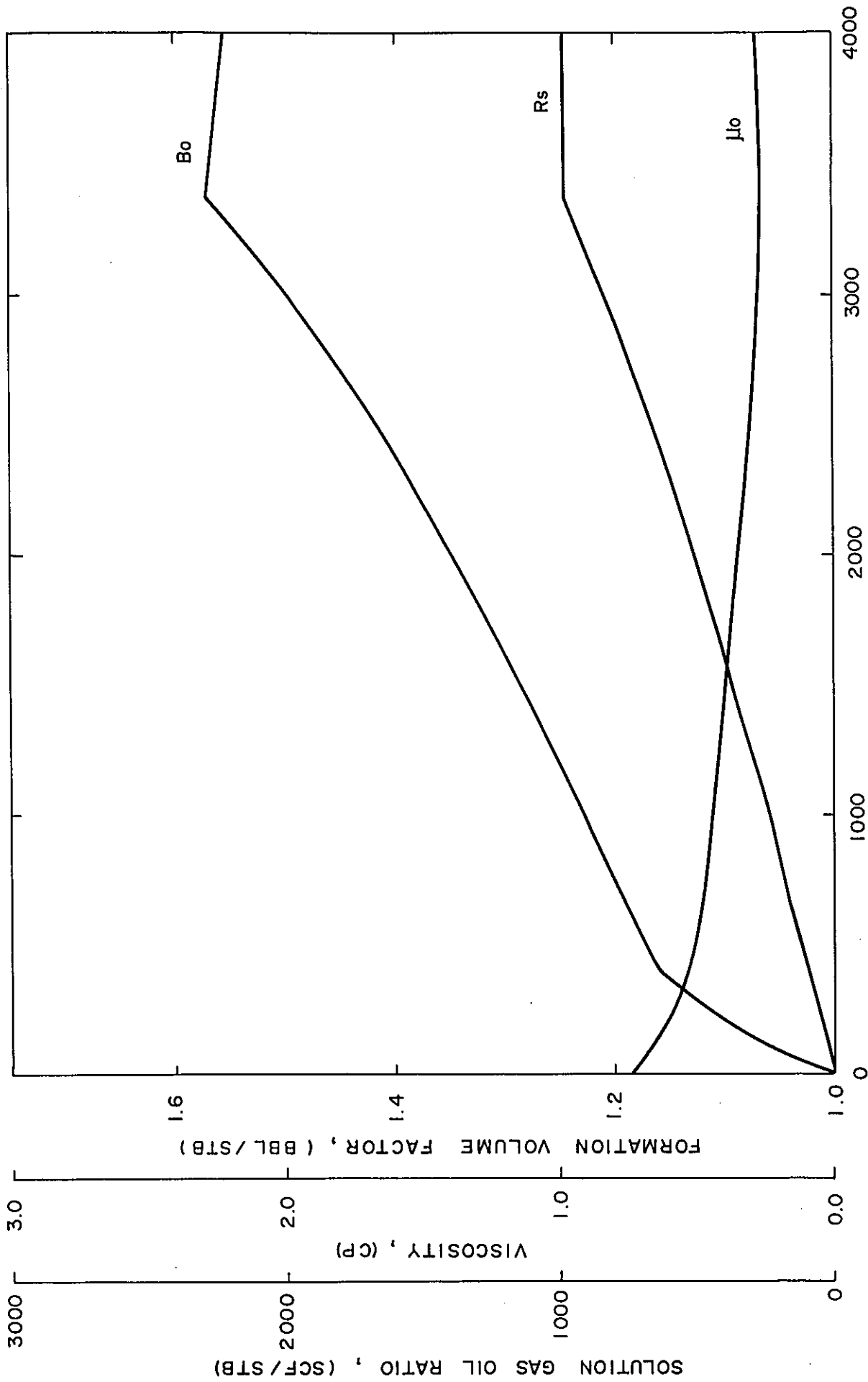


Fig. 4-3-31 OIL PROPERTIES OF BLOCK VII, BARAM A FIELD
Vol. IV

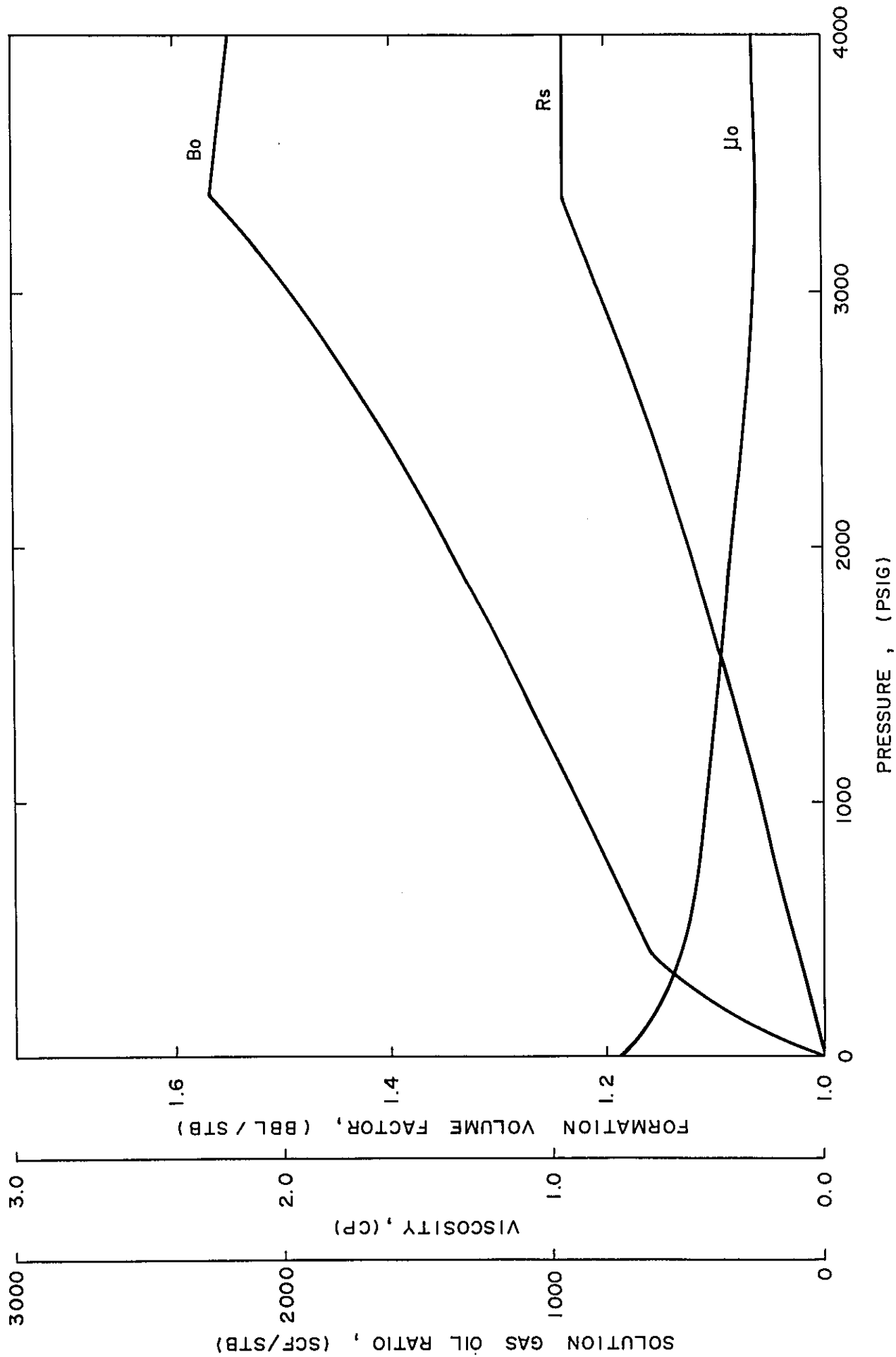


Fig. 4-3-32 OIL PROPERTIES OF BLOCK VIII, BARAM A FIELD
Vol. IV

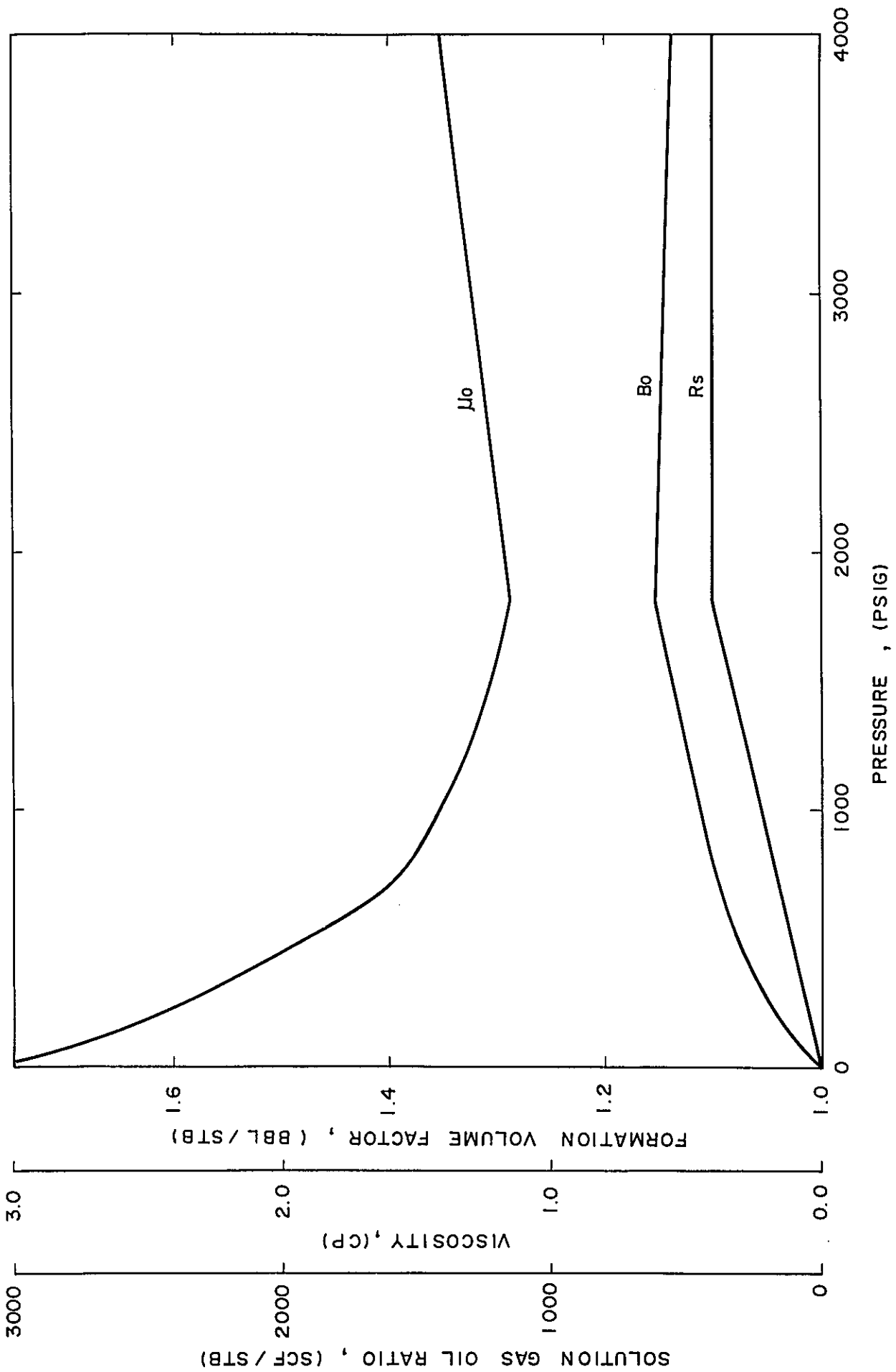


Fig. 4-3-33 OIL PROPERTIES OF UPPER BLOCK, BARAM A FIELD
Vol. IV

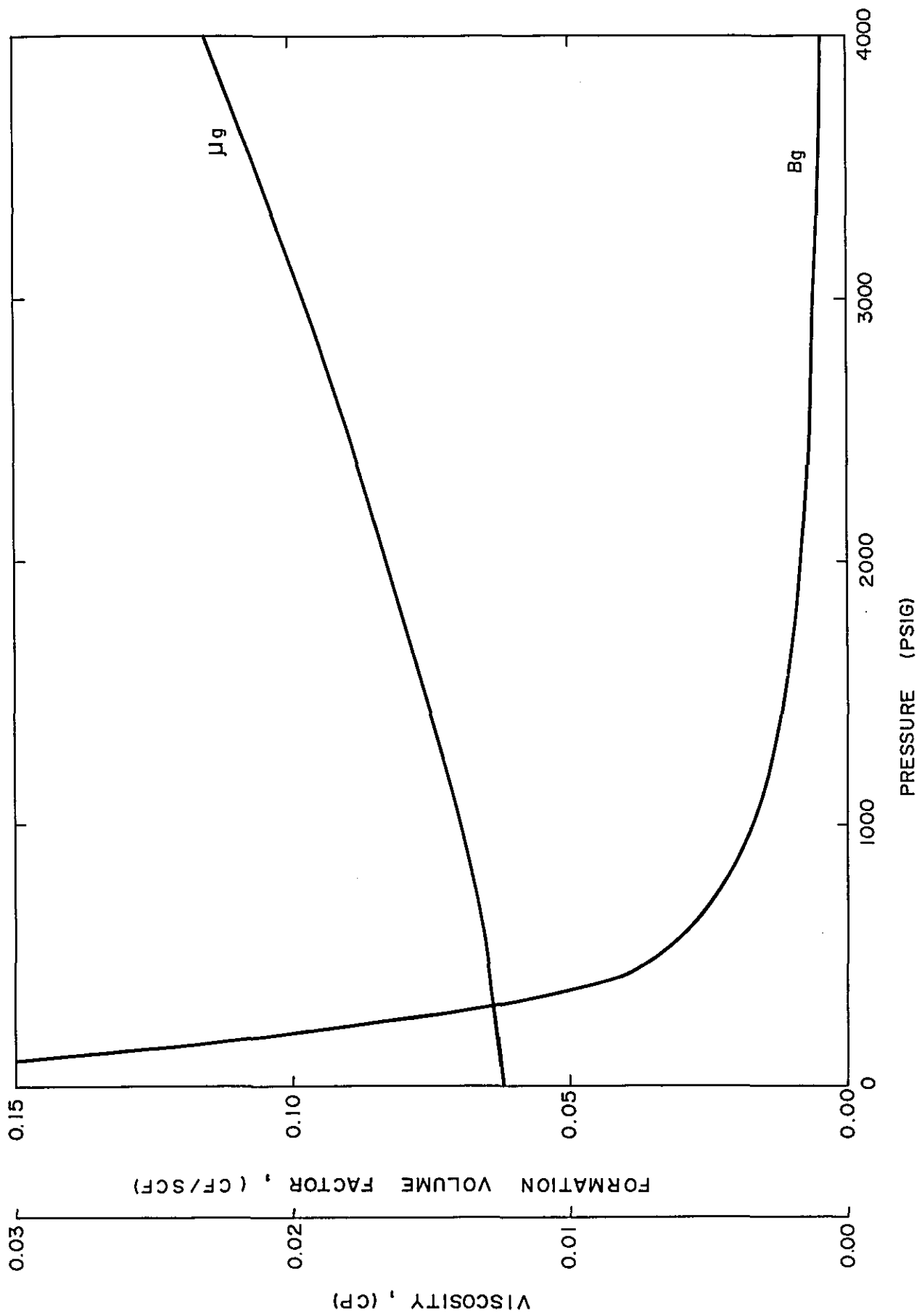


Fig. 4-3-34 GAS PROPERTIES OF BLOCK I, BARAM A FIELD
Vol. IV

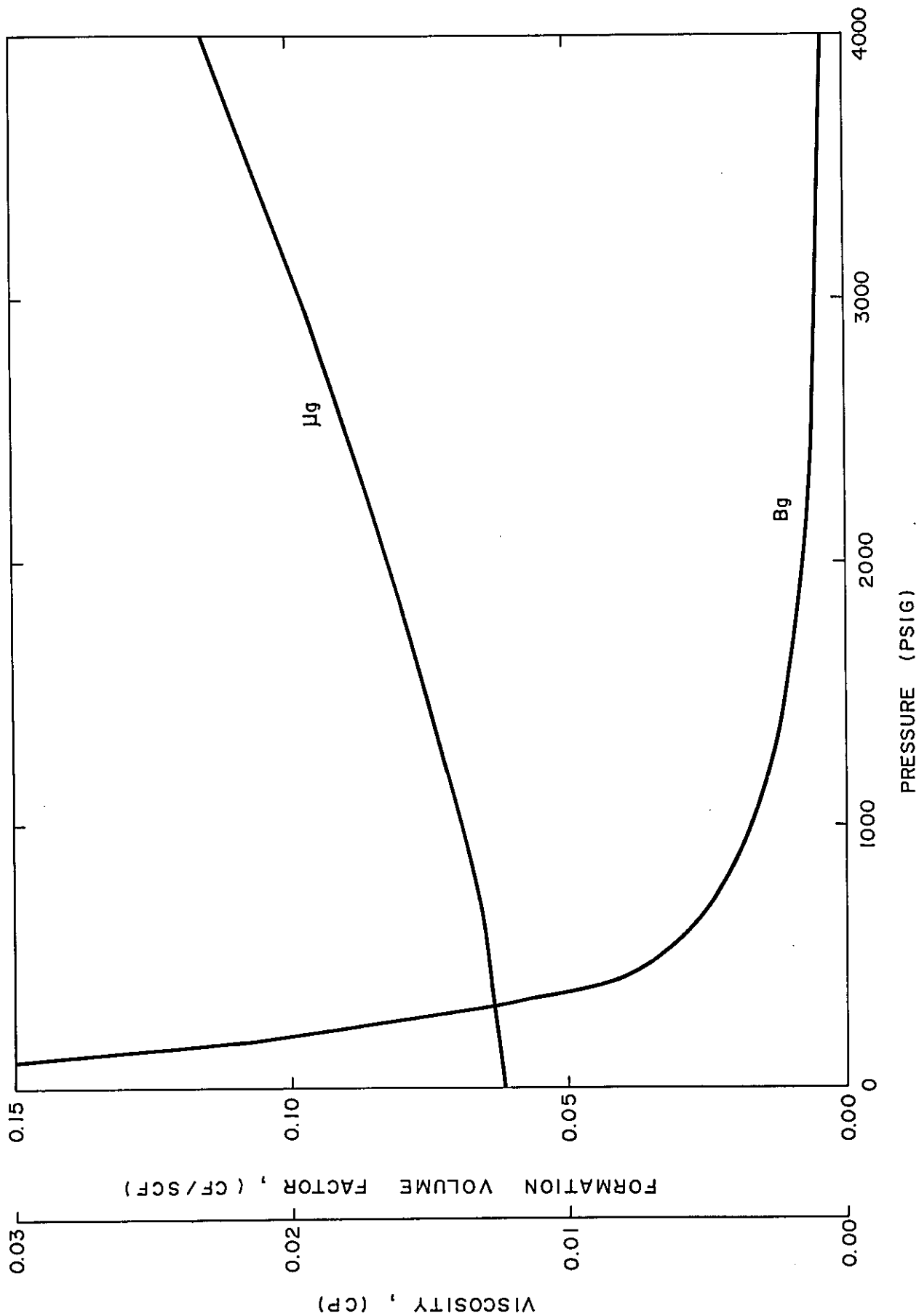


Fig. 4-3-35 GAS PROPERTIES OF BLOCK II, BARAM A FIELD
Vol. IV

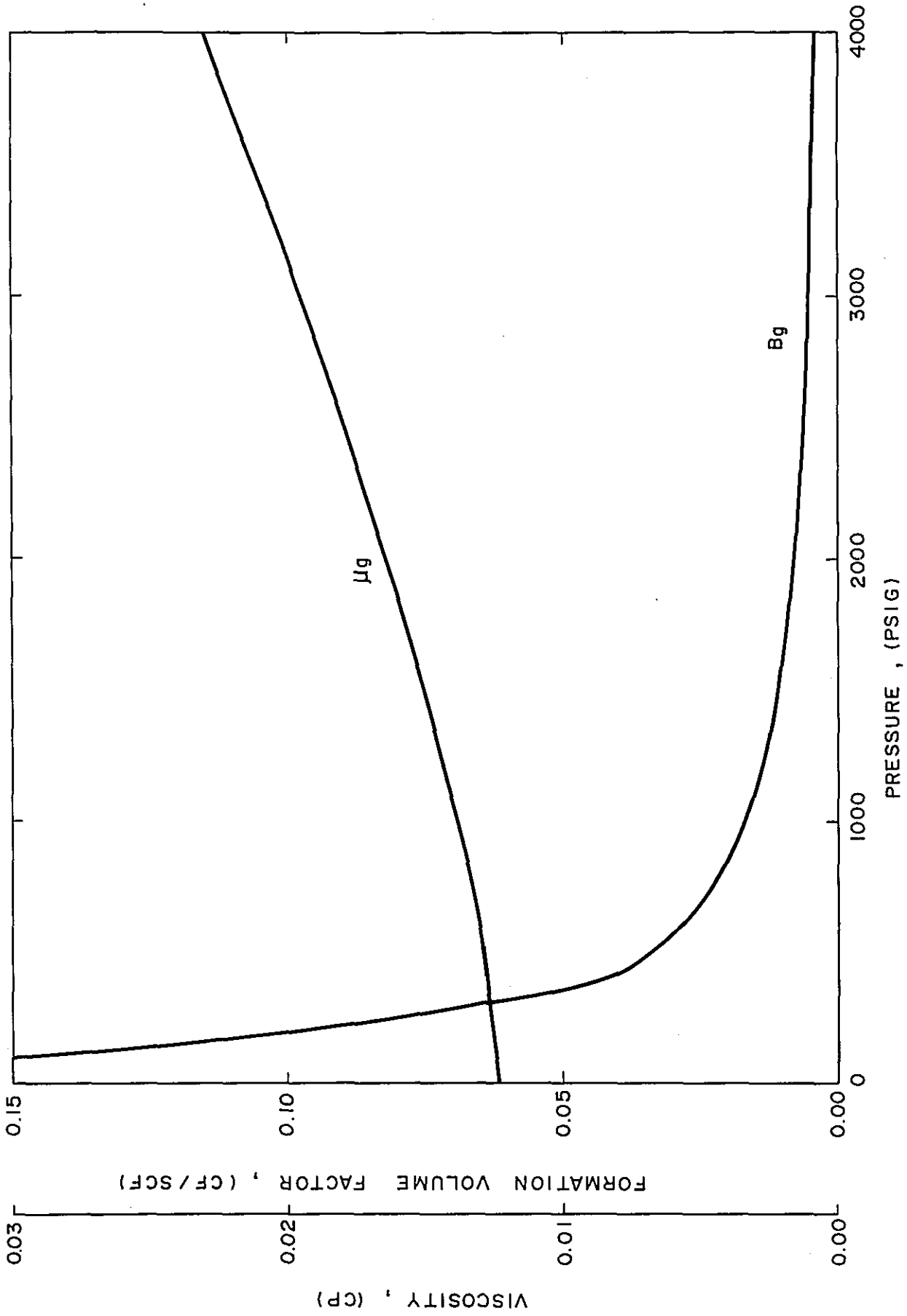


Fig. 4-3-36 GAS PROPERTIES OF BLOCK IV, BARAM A FIELD
VOL. IV

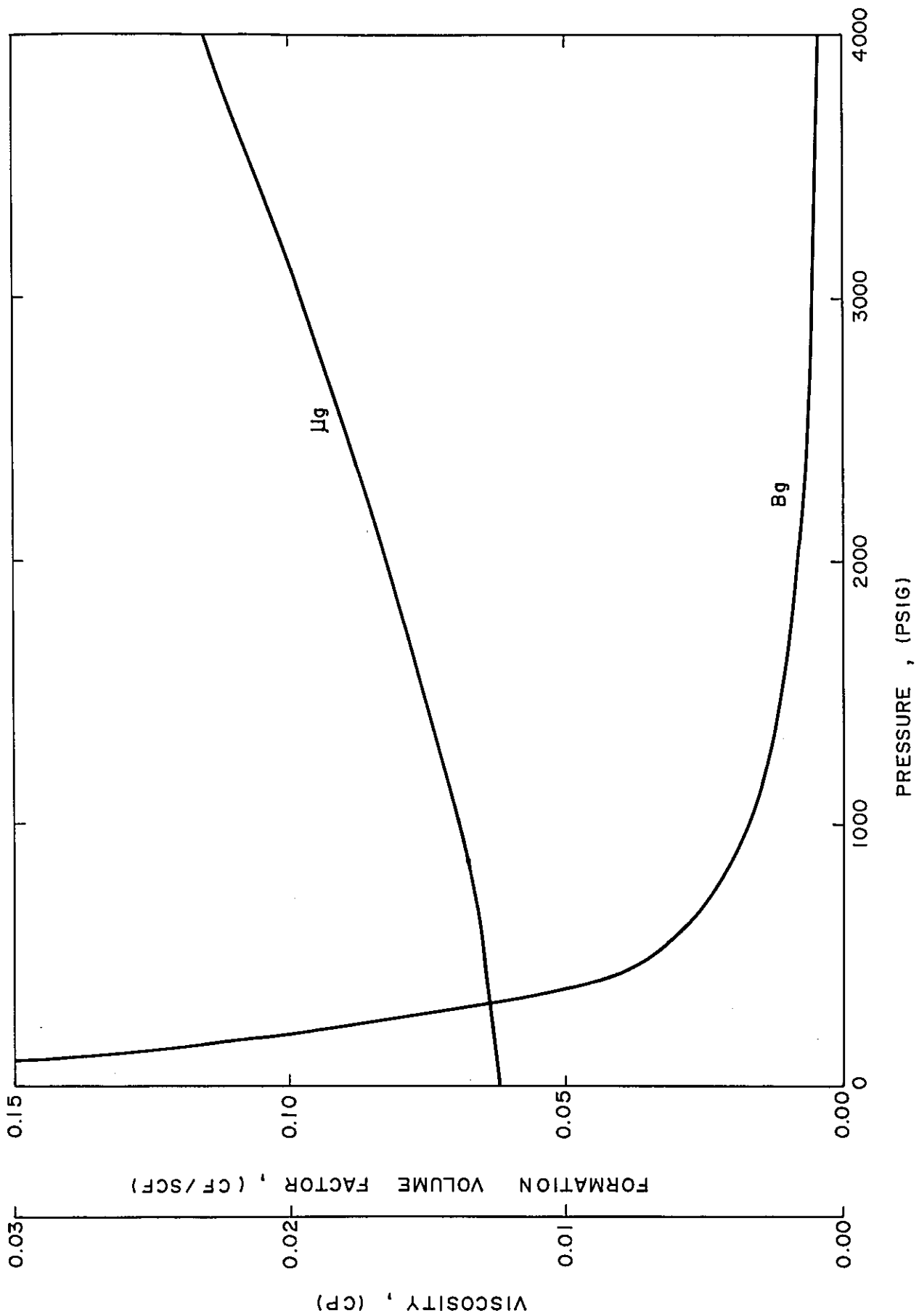


Fig. 4-3-37 GAS PROPERTIES OF BLOCK V, BARAM A FIELD
Vol. IV

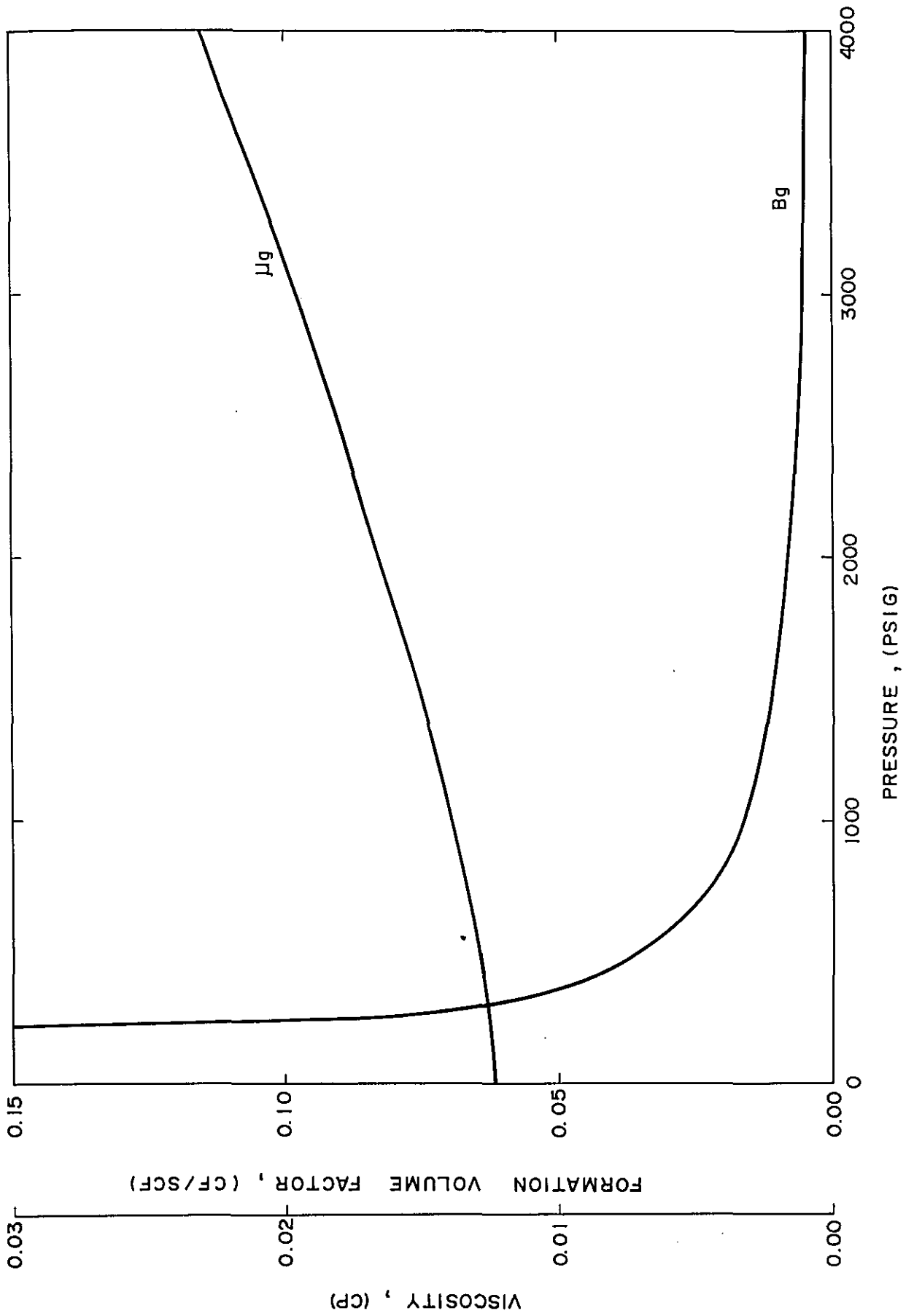


Fig. 4-3-38 GAS PROPERTIES OF BLOCK VI, BARAM A FIELD
Vol. IV

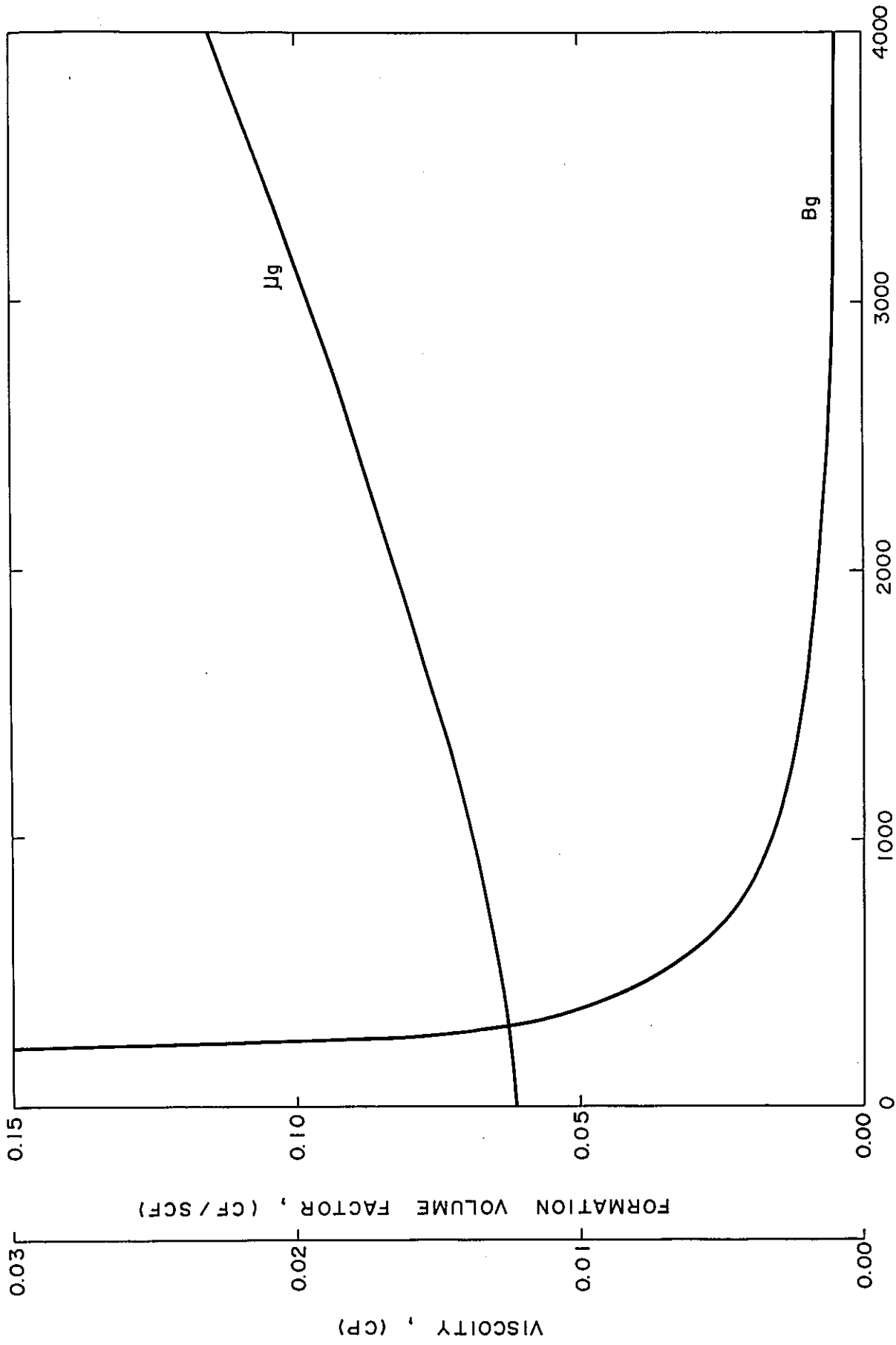


Fig. 4-3-39 GAS PROPERTIES OF BLOCK VII, BARAM A FIELD
Vol. IV

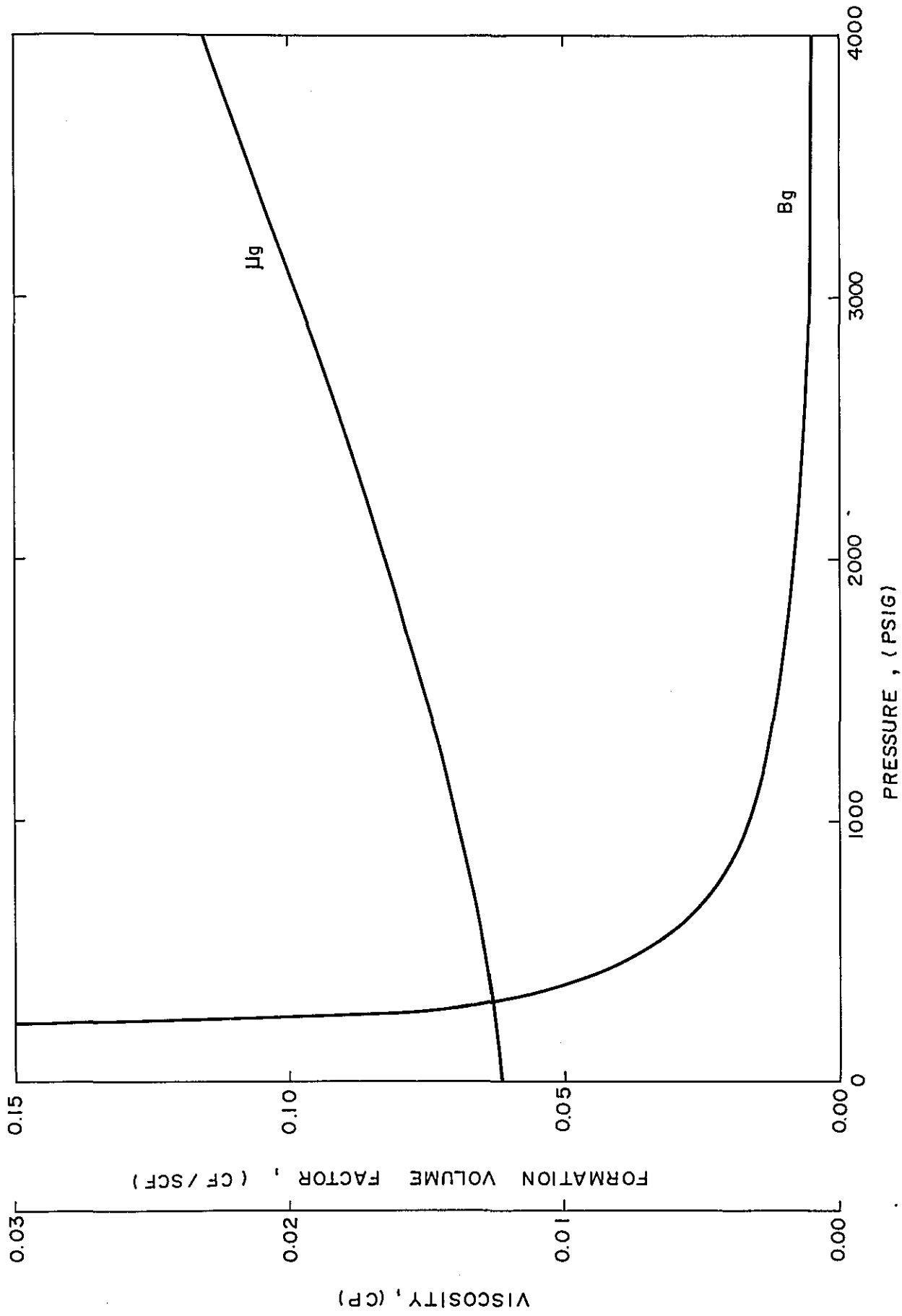


Fig. 4-3-40 GAS PROPERTIES OF BLOCK VIII, BARAM A FIELD
Vol IV

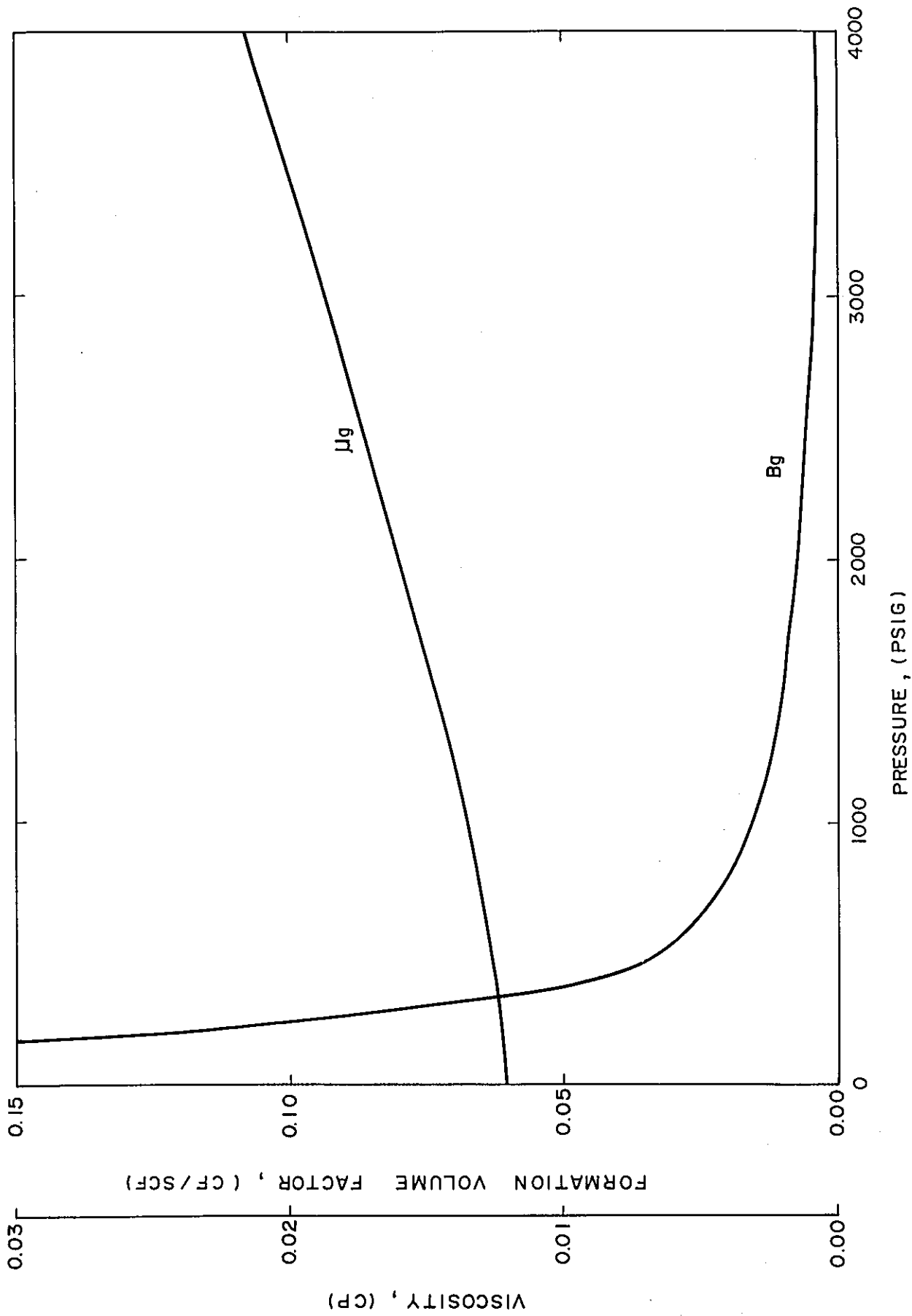


Fig. 4-3-41 GAS PROPERTIES OF UPPER BLOCK, BARAM A FIELD
Vol. IV

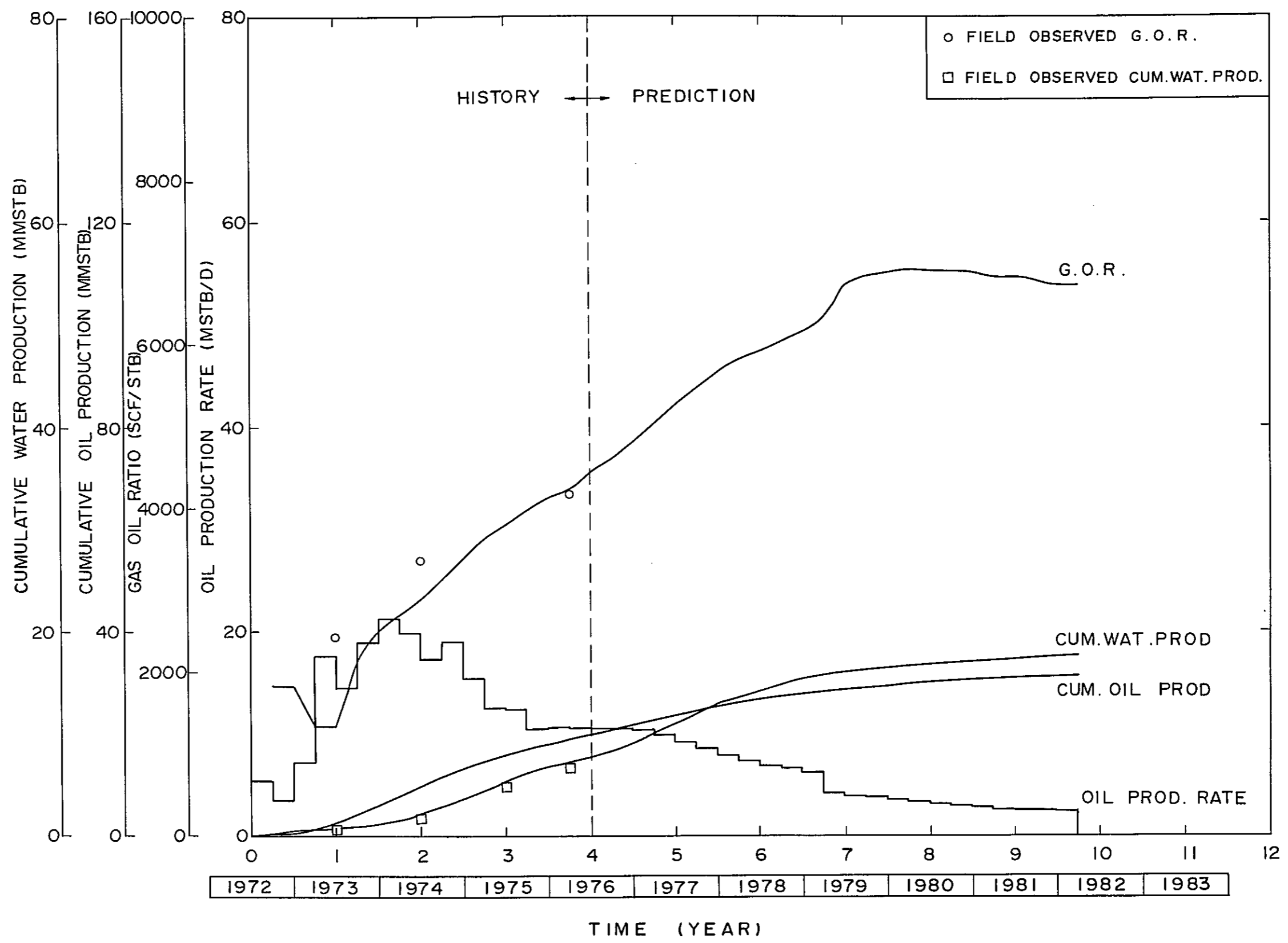


Fig. 4-3-42 PREDICTED PERFORMANCE OF BARAM B FIELD
Vol. IV

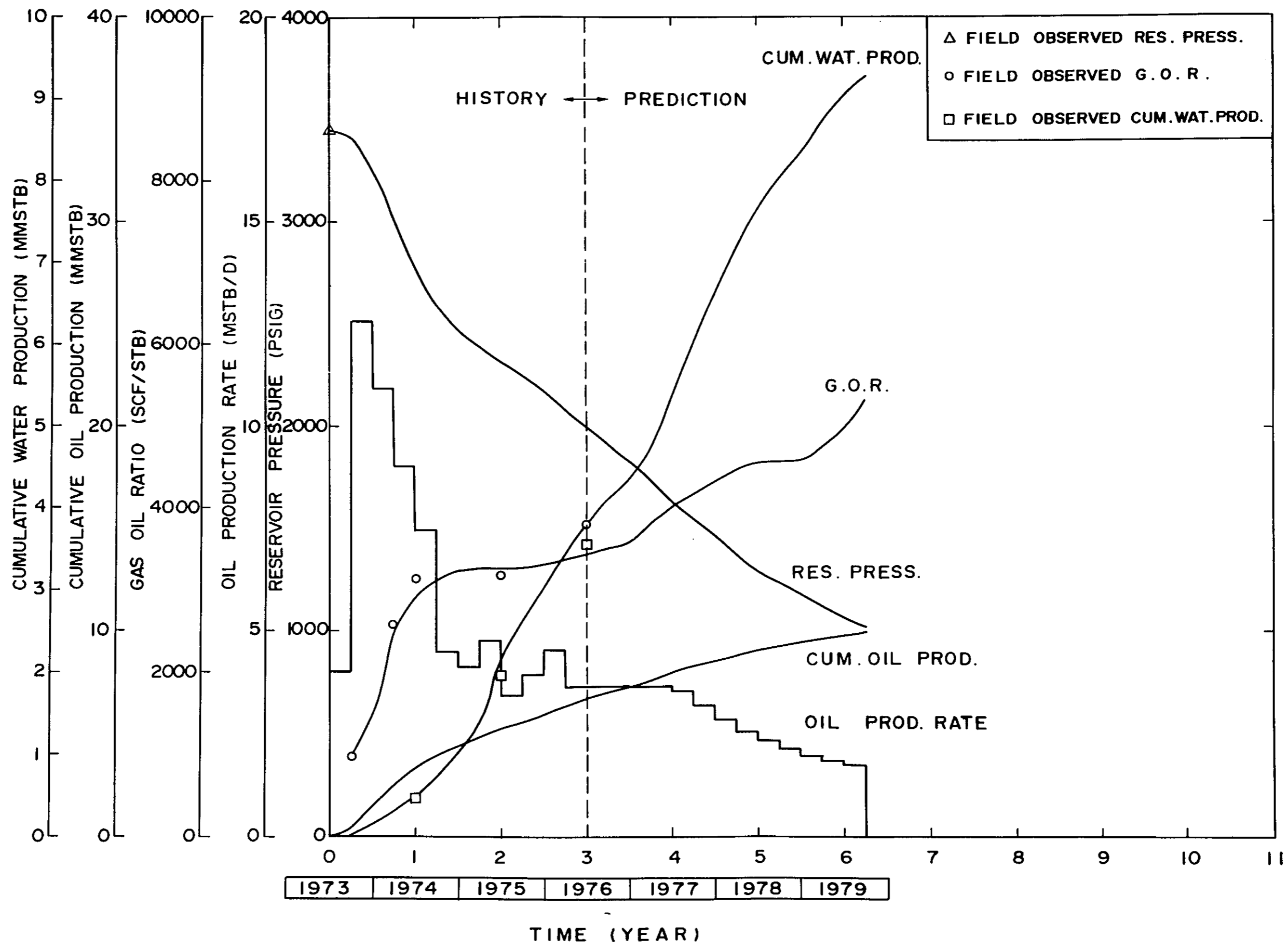


Fig. 4-3-43 PREDICTED PERFORMANCE OF MODEL-1, BARAM B FIELD
Vol. IV

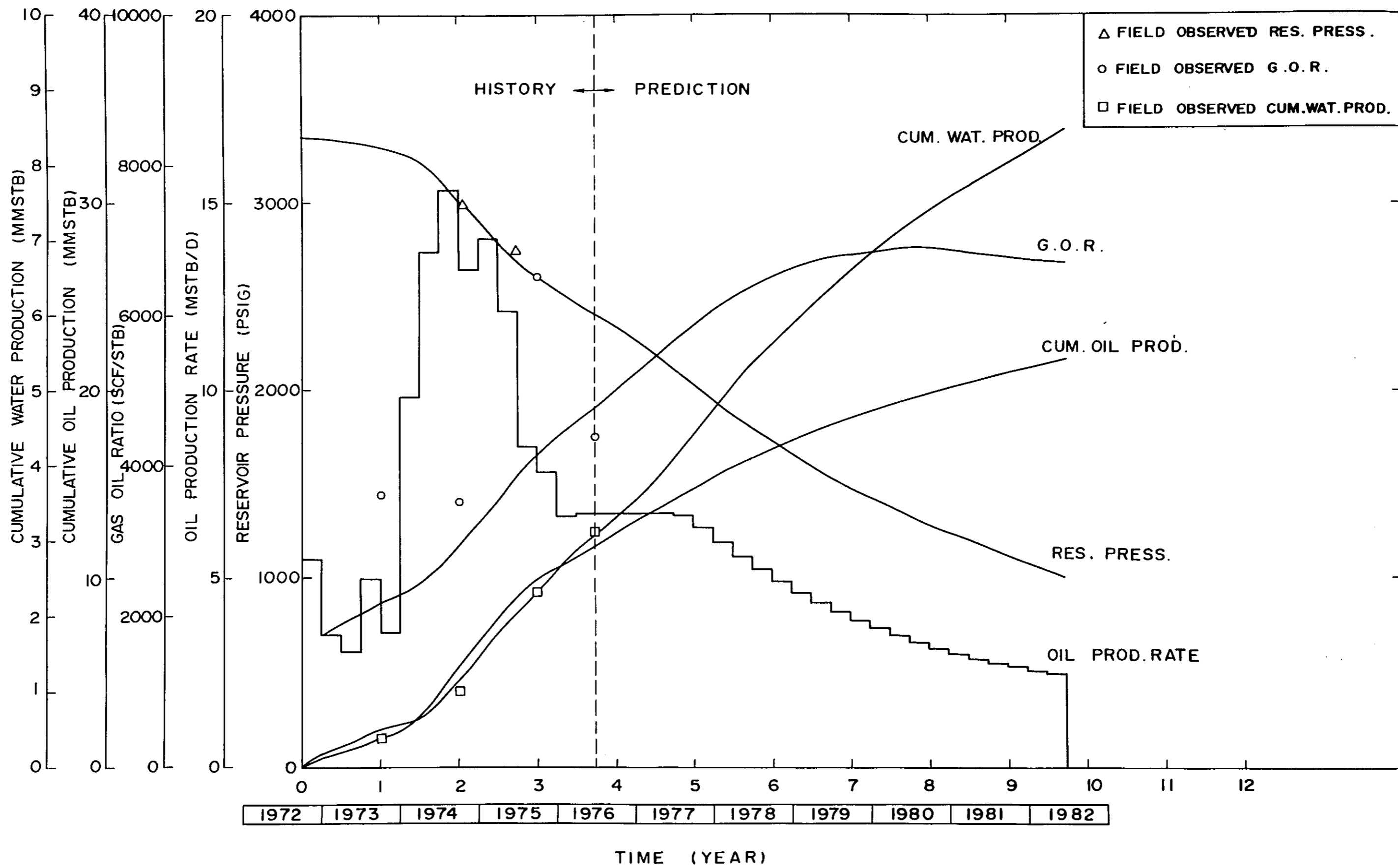


Fig. 4-3-44 PREDICTED PERFORMANCE OF MODEL-2, BARAM B FIELD
Vol. IV

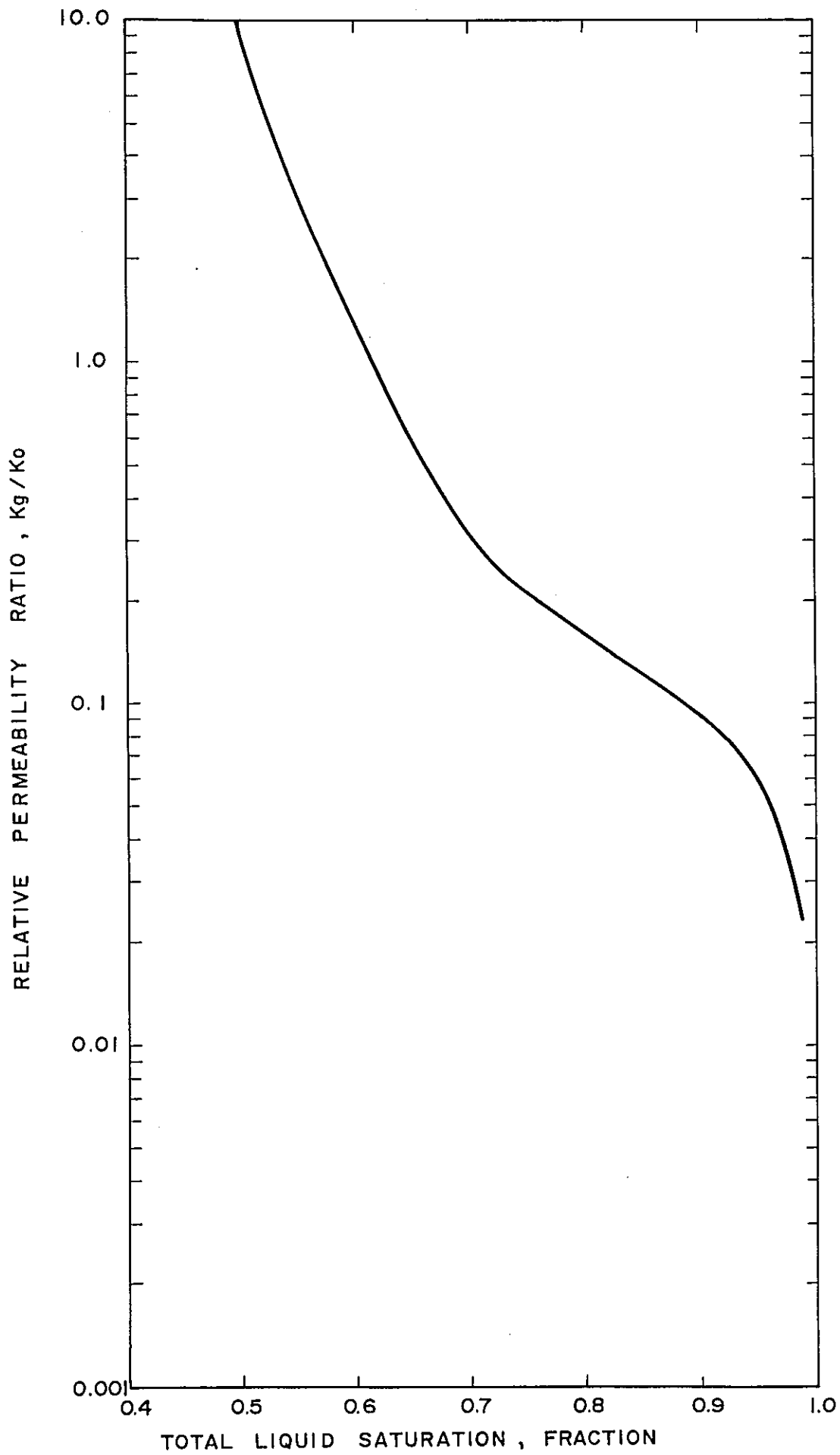


Fig. 4-3-45 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL-1, BARAM B FIELD
Vol. IV

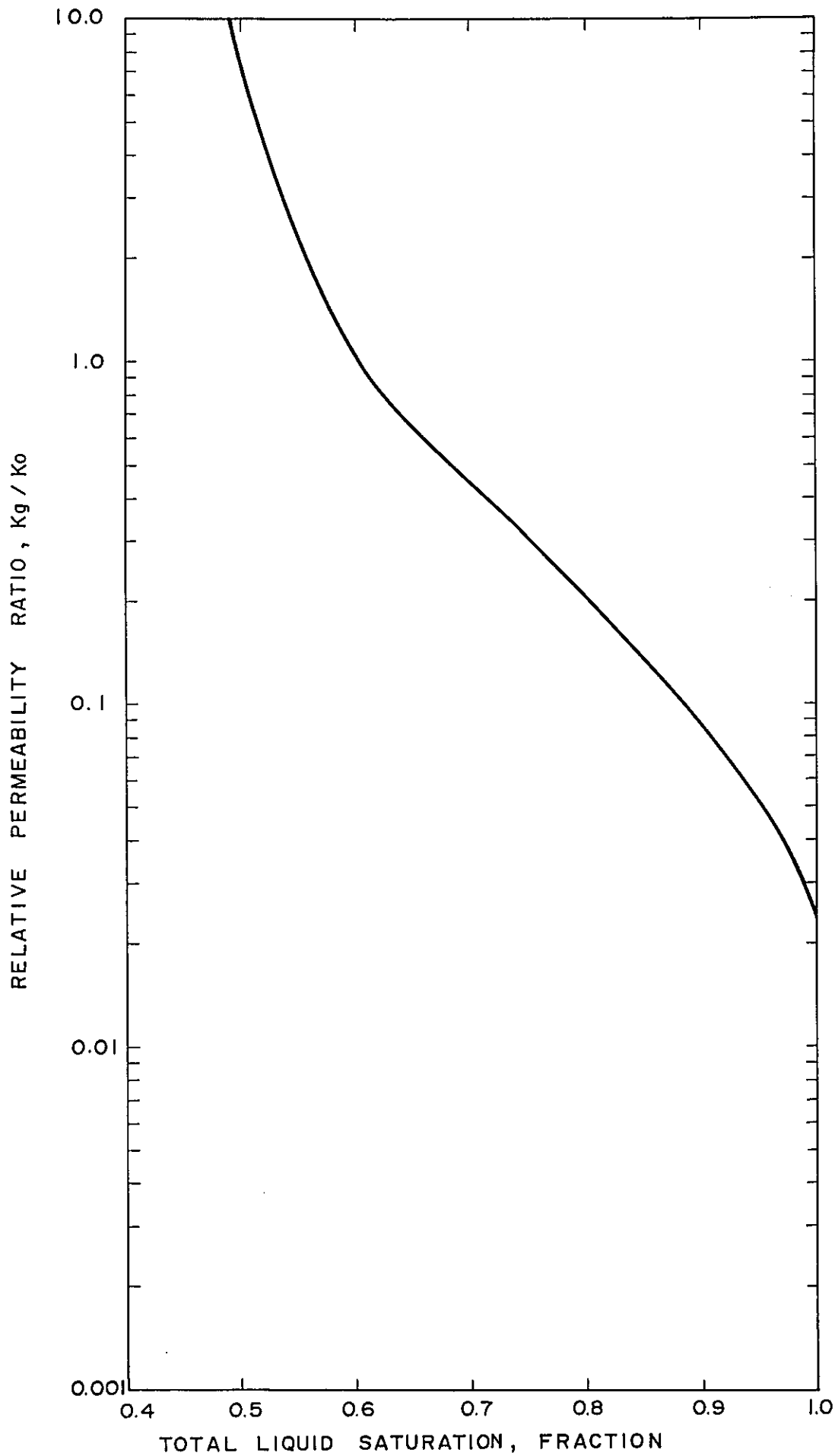


Fig. 4-3-46 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL-2, BARAM B FIELD
Vol. IV

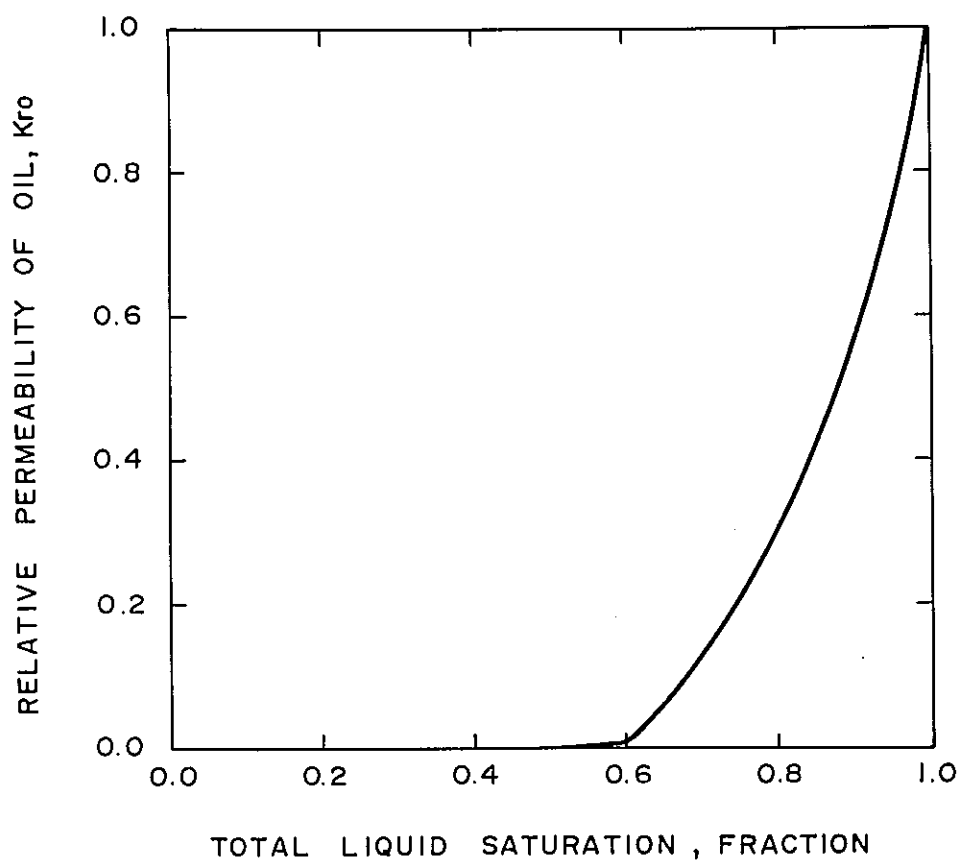


Fig. 4-3-47 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV MODEL-1, BARAM B FIELD

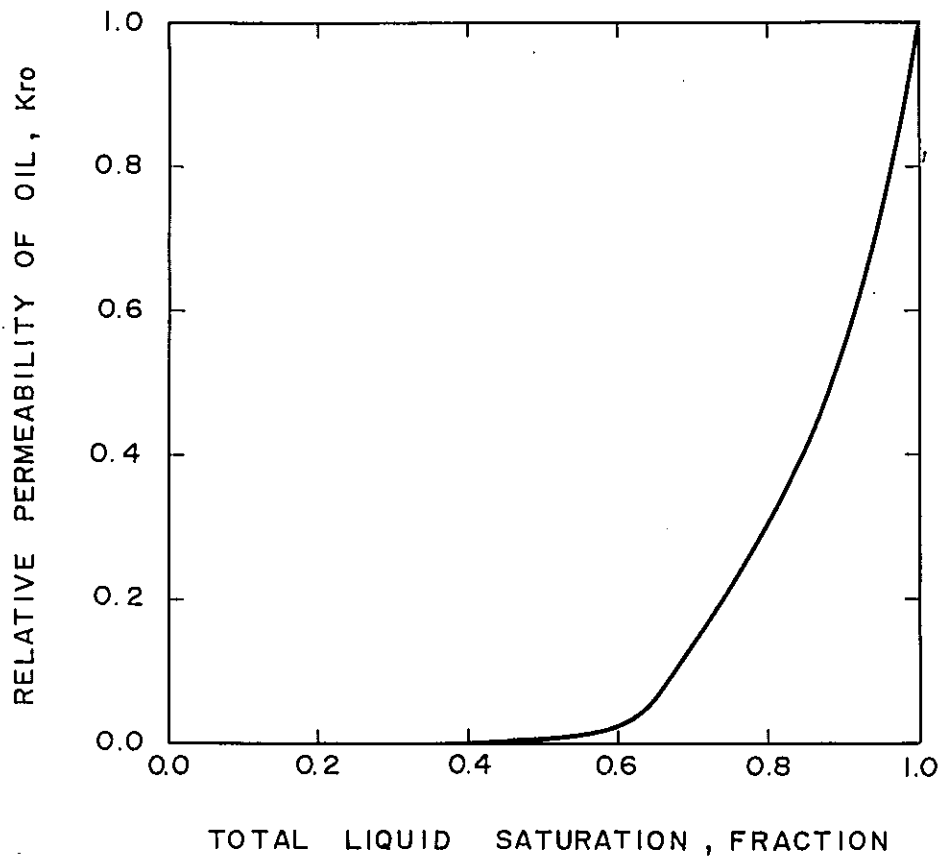


Fig. 4-3-48 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV MODEL-2, BARAM B FIELD

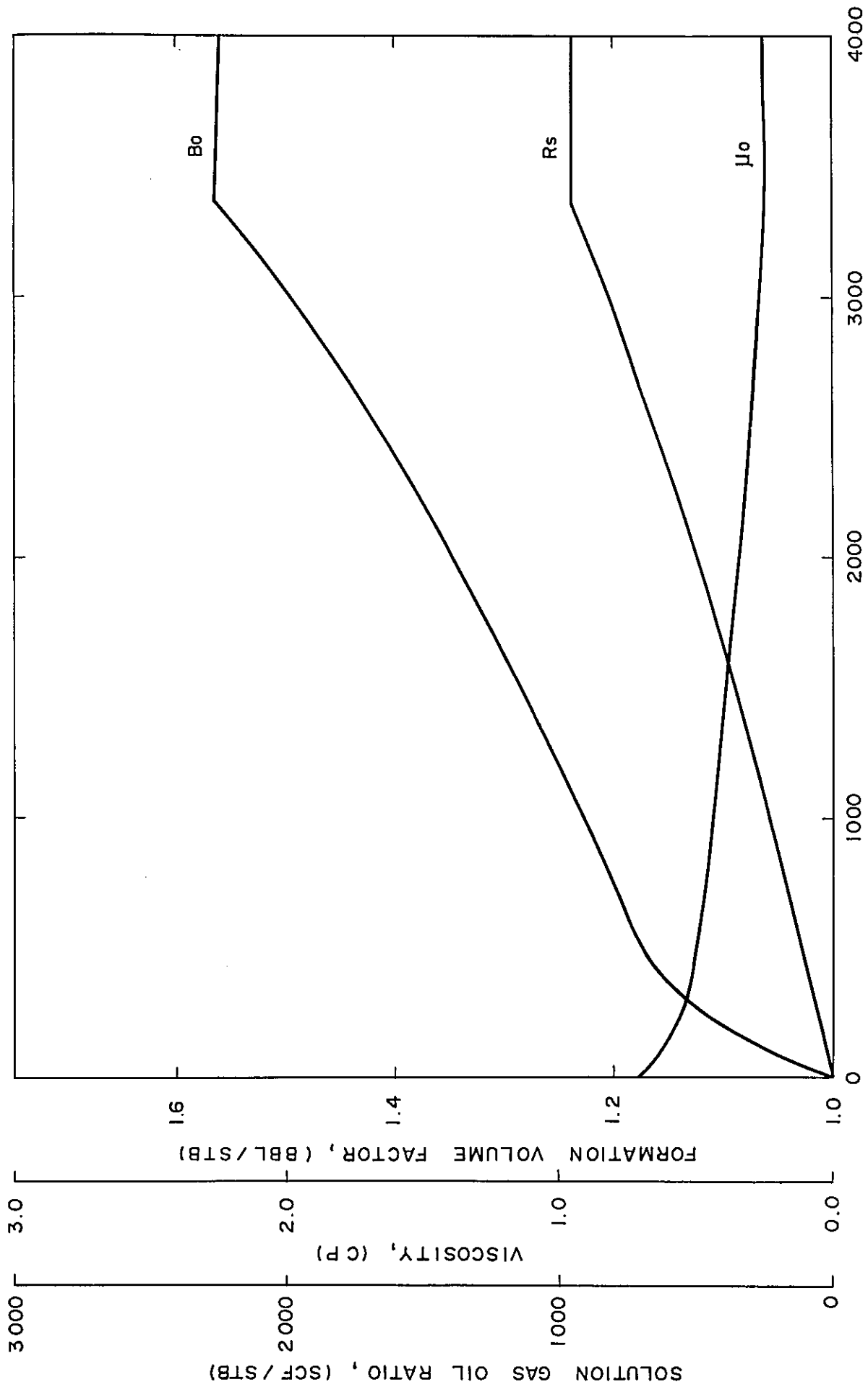


Fig. 4-3-49 OIL PROPERTIES OF MODEL-1, BARAM B FIELD
Vol. IV

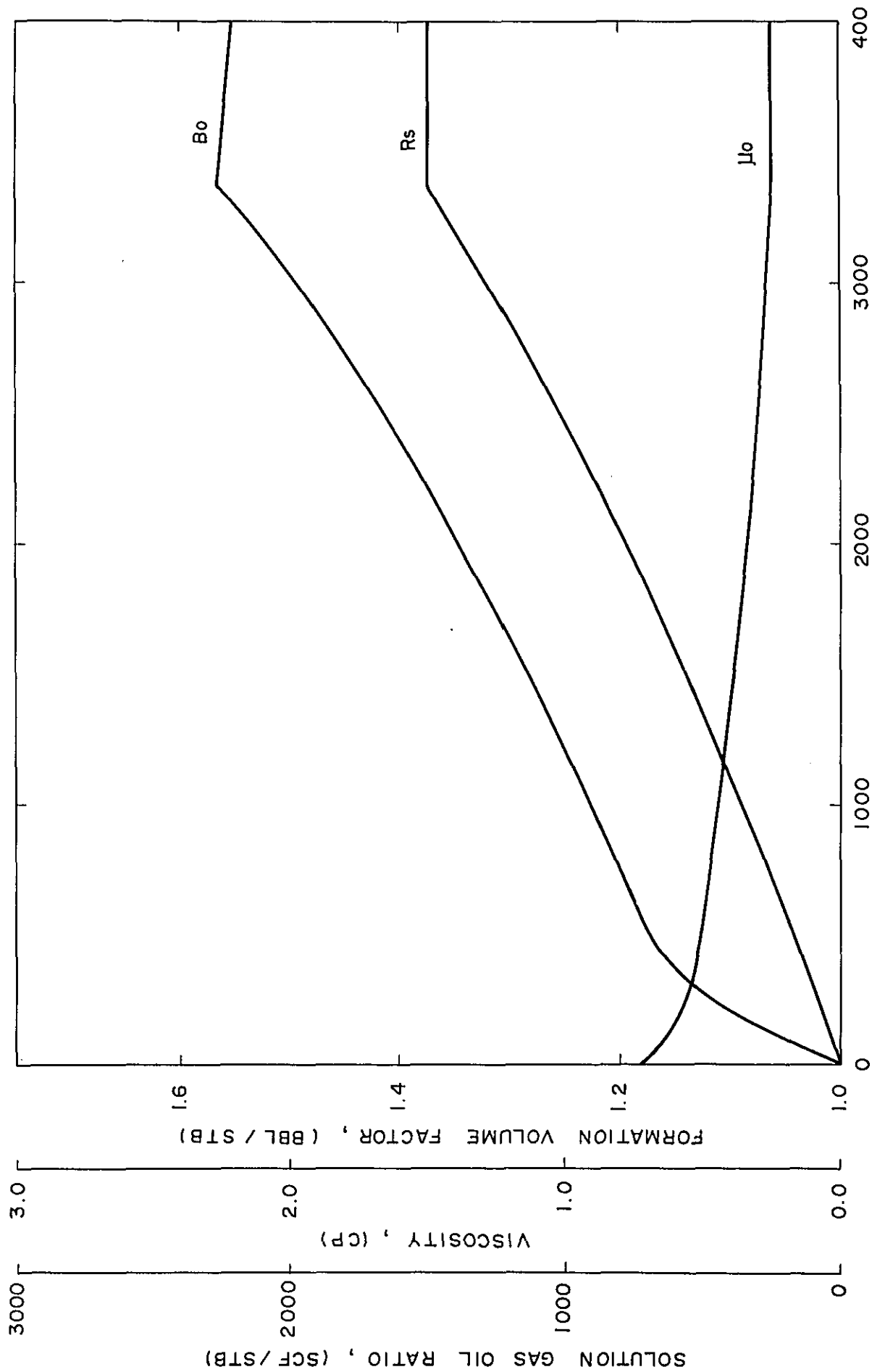


Fig. 4-3-50 OIL PROPERTIES OF MODEL-2, BARAM B FIELD
Vol. IV

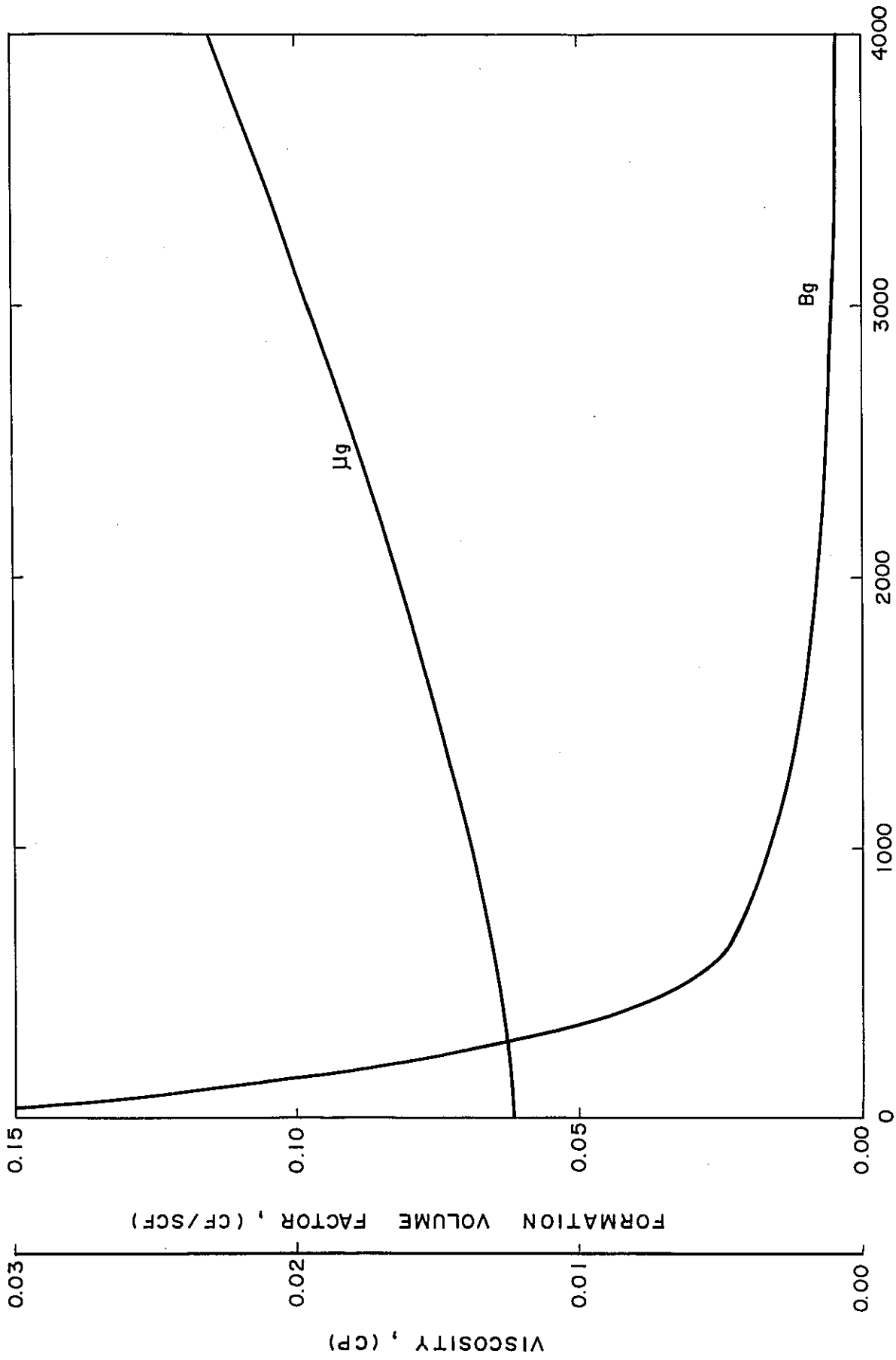


Fig. 4-3-51 GAS PROPERTIES OF MODEL-1, BARAM B FIELD
Vol. IV

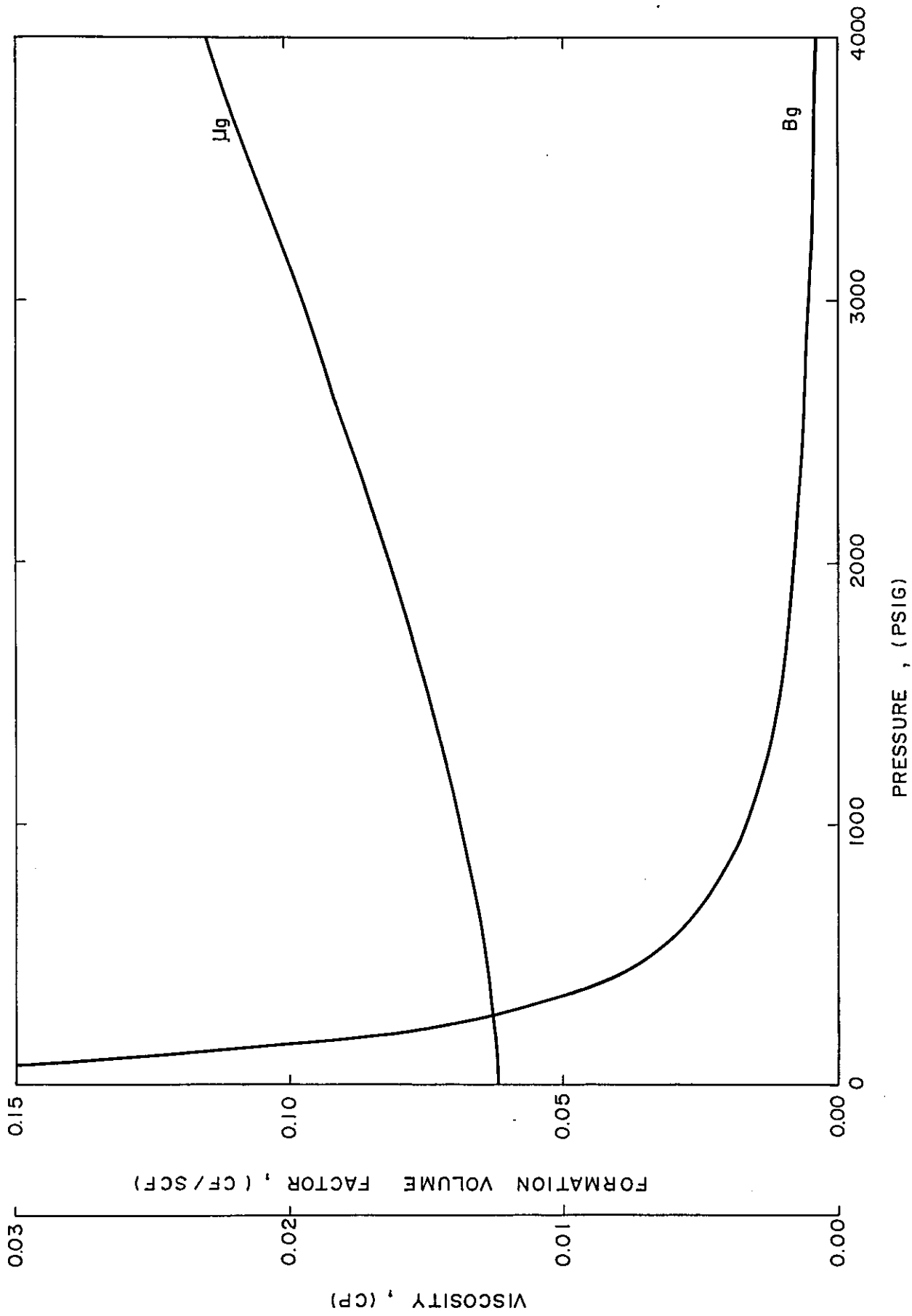


Fig. 4-3-52 GAS PROPERTIES OF MODEL-2, BARAM B FIELD
VOL. IV

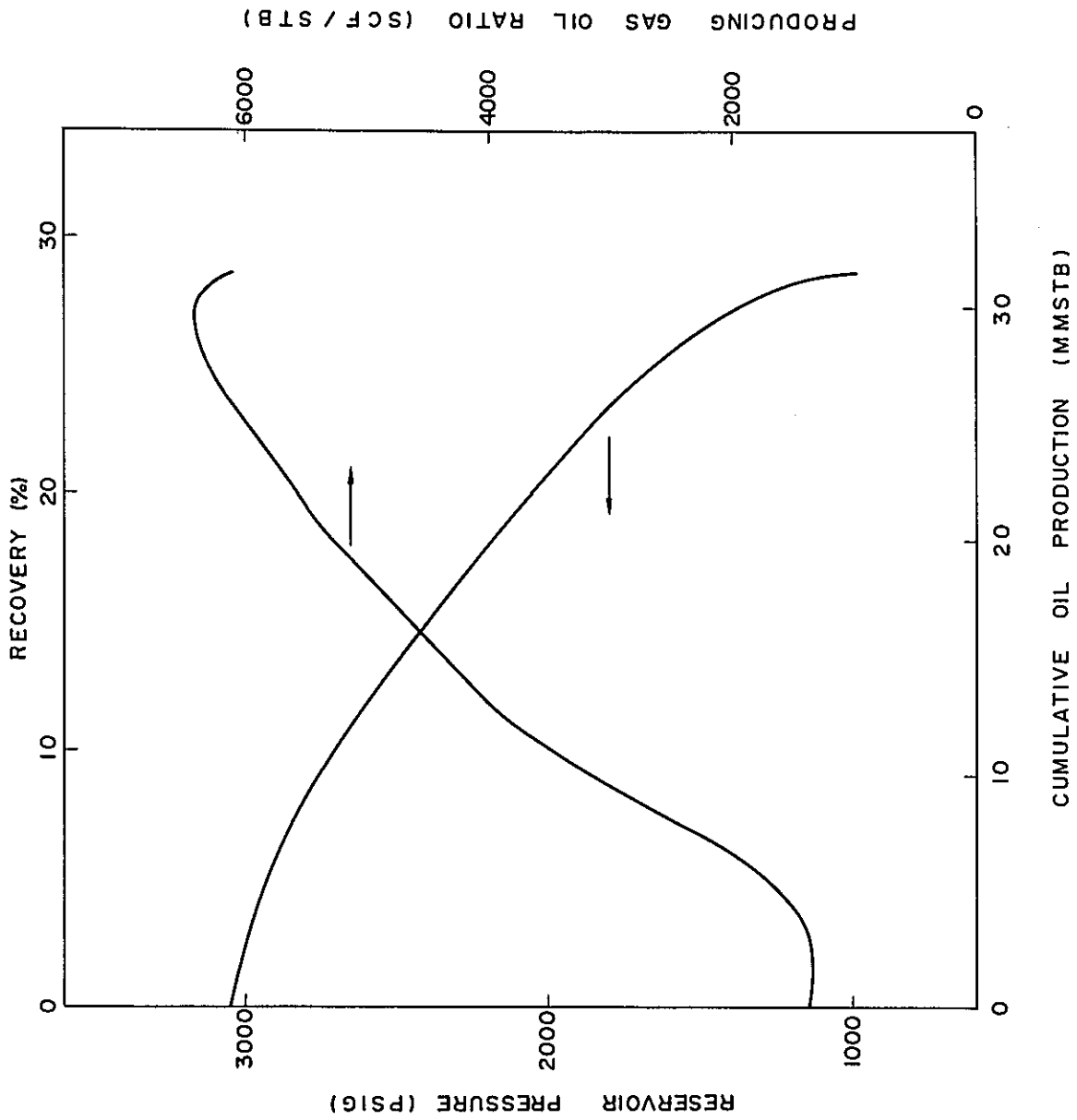


Fig. 4-3-53 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF BLOCK I, BARAM A FIELD

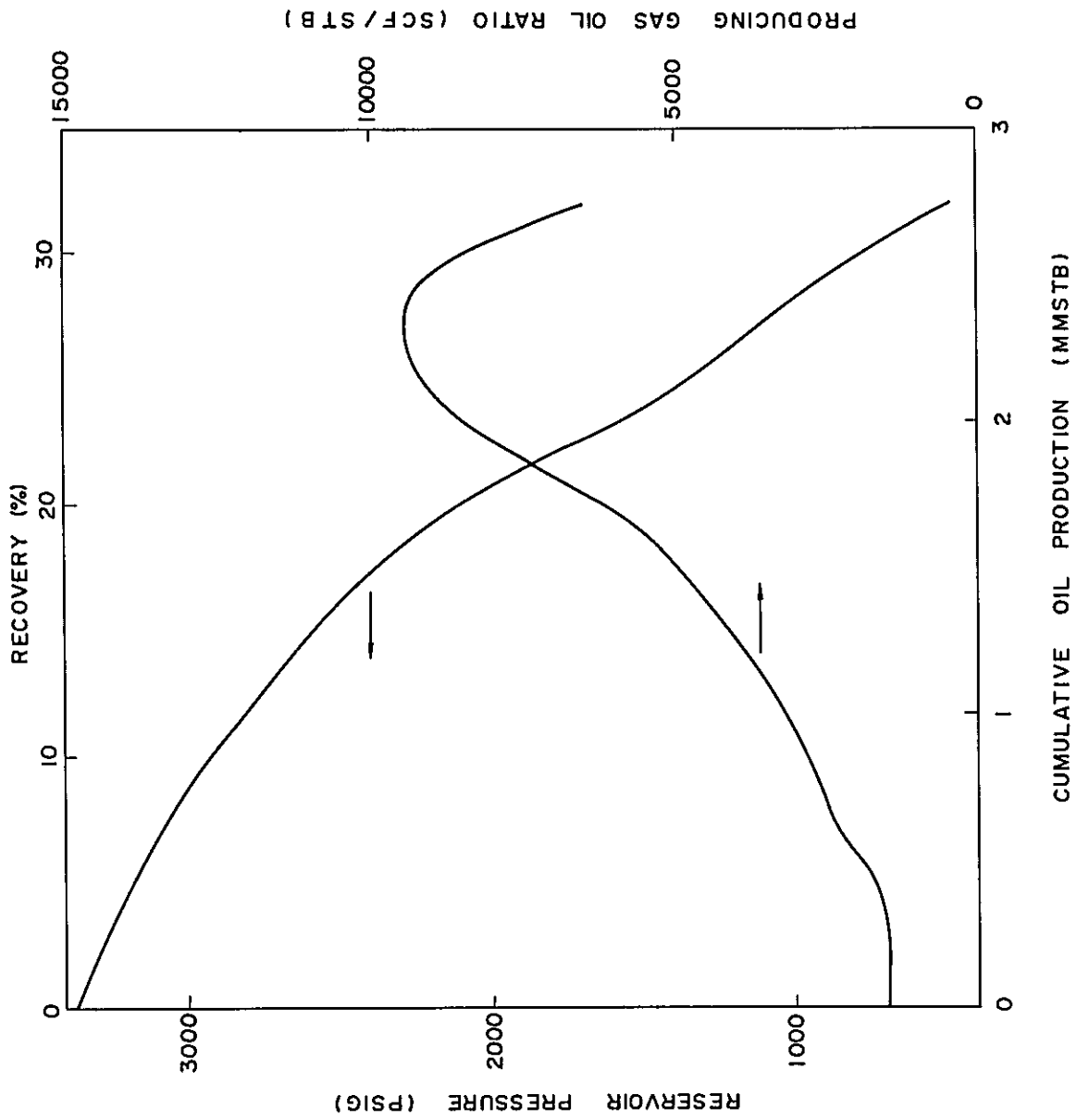


Fig. 4-3-54 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 VOL. IV AND PRODUCING GAS OIL RATIO OF BLOCK II, BARAM A FIELD

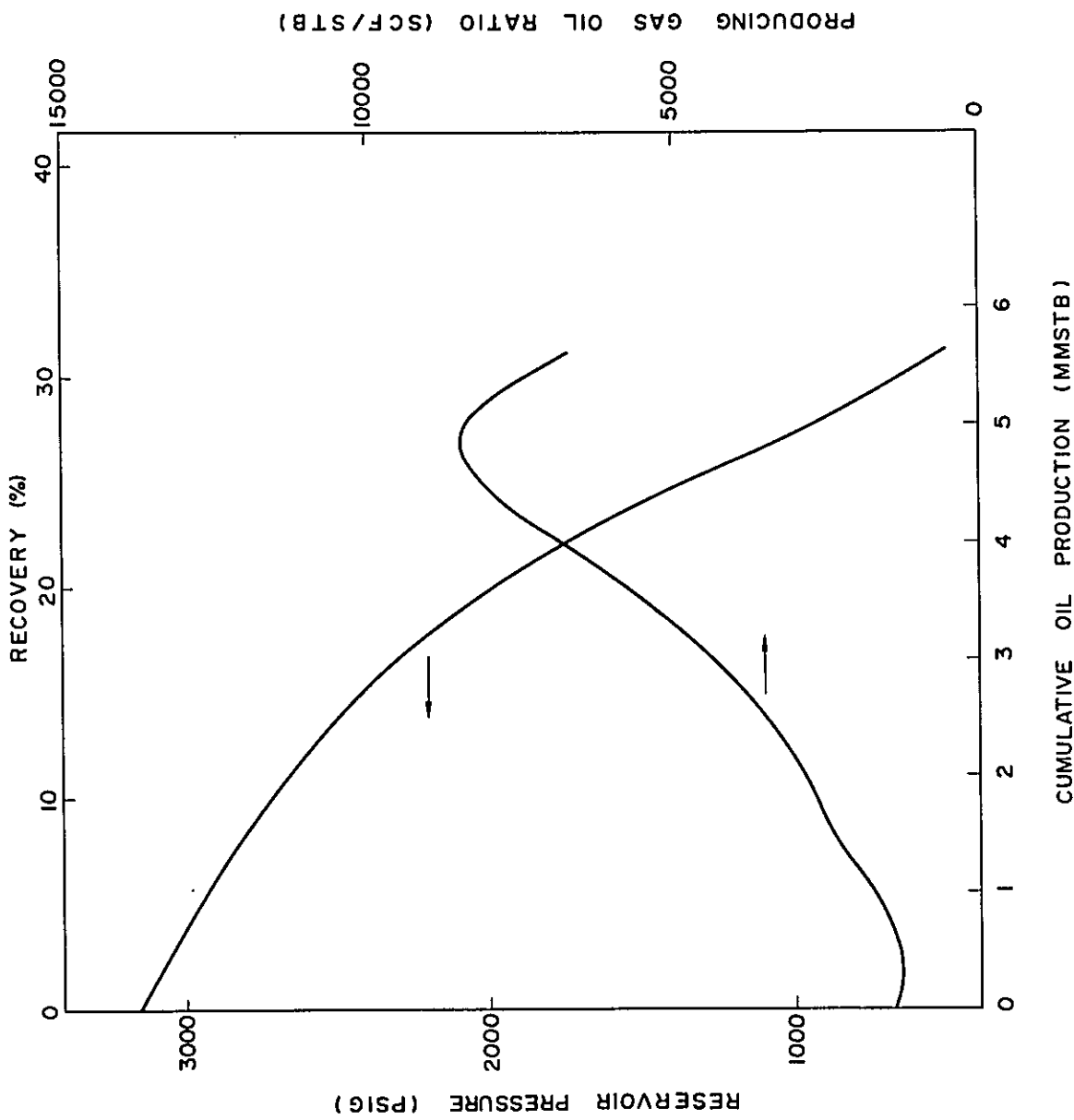


Fig. 4-3-55 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF BLOCK IV, BARAM A FIELD Vol. IV

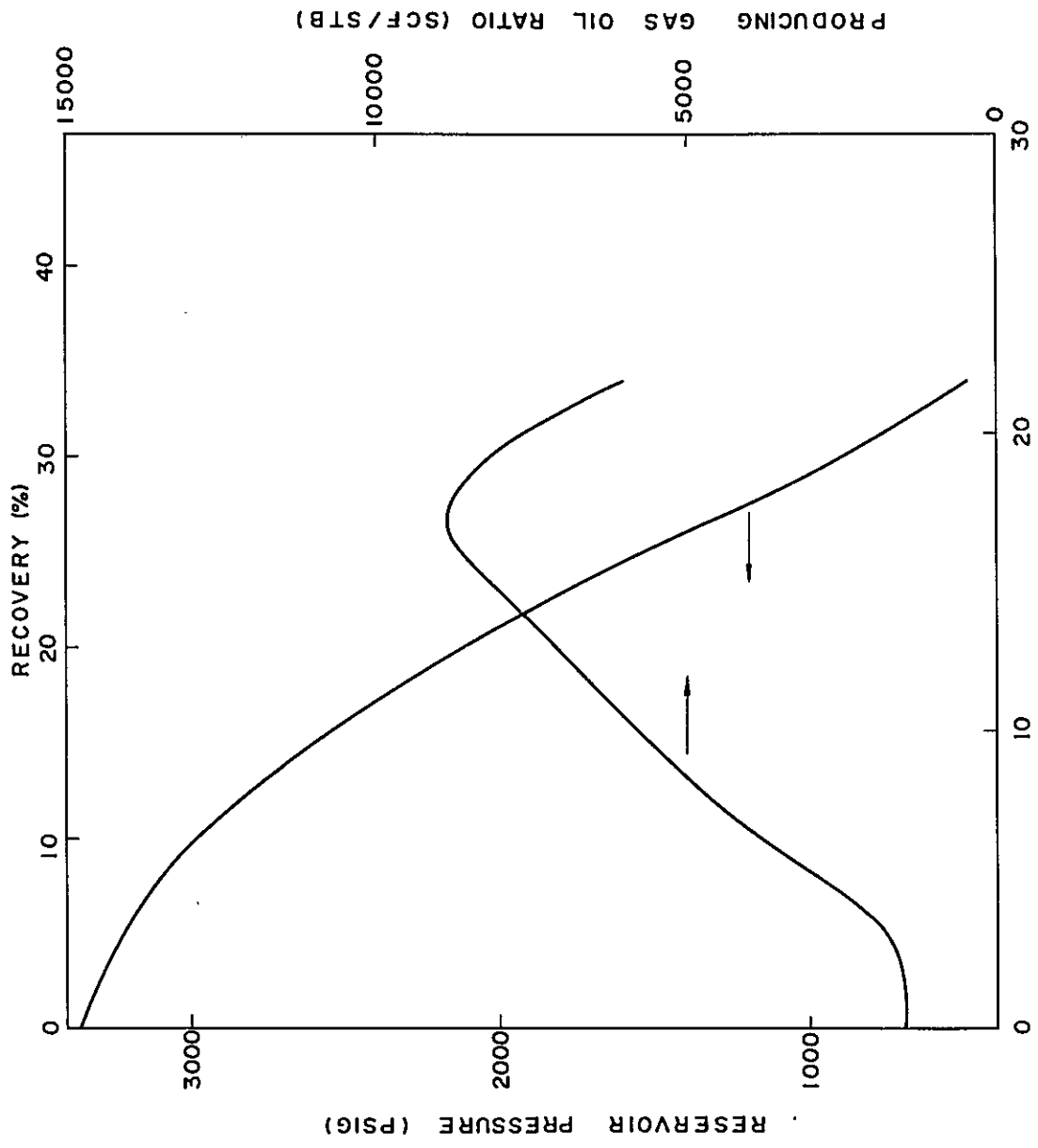


Fig. 4-3-56
 Vol. IV
 CUMULATIVE OIL PRODUCTION (MMSTB)
 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF BLOCK V, BARAM A
 FIELD

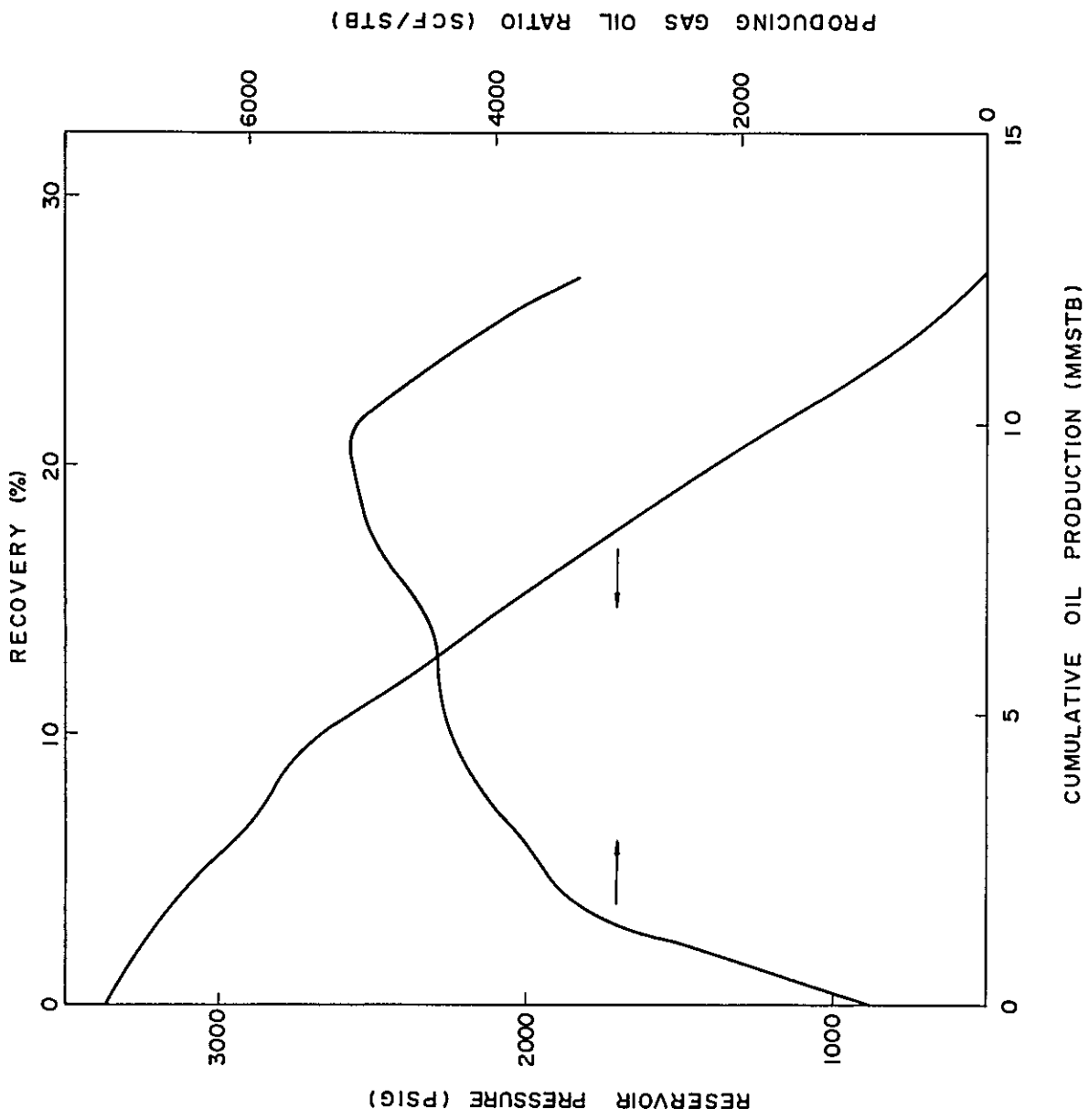


Fig. 4-3-57 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF BLOCK VI, BARAM A FIELD Vol. IV

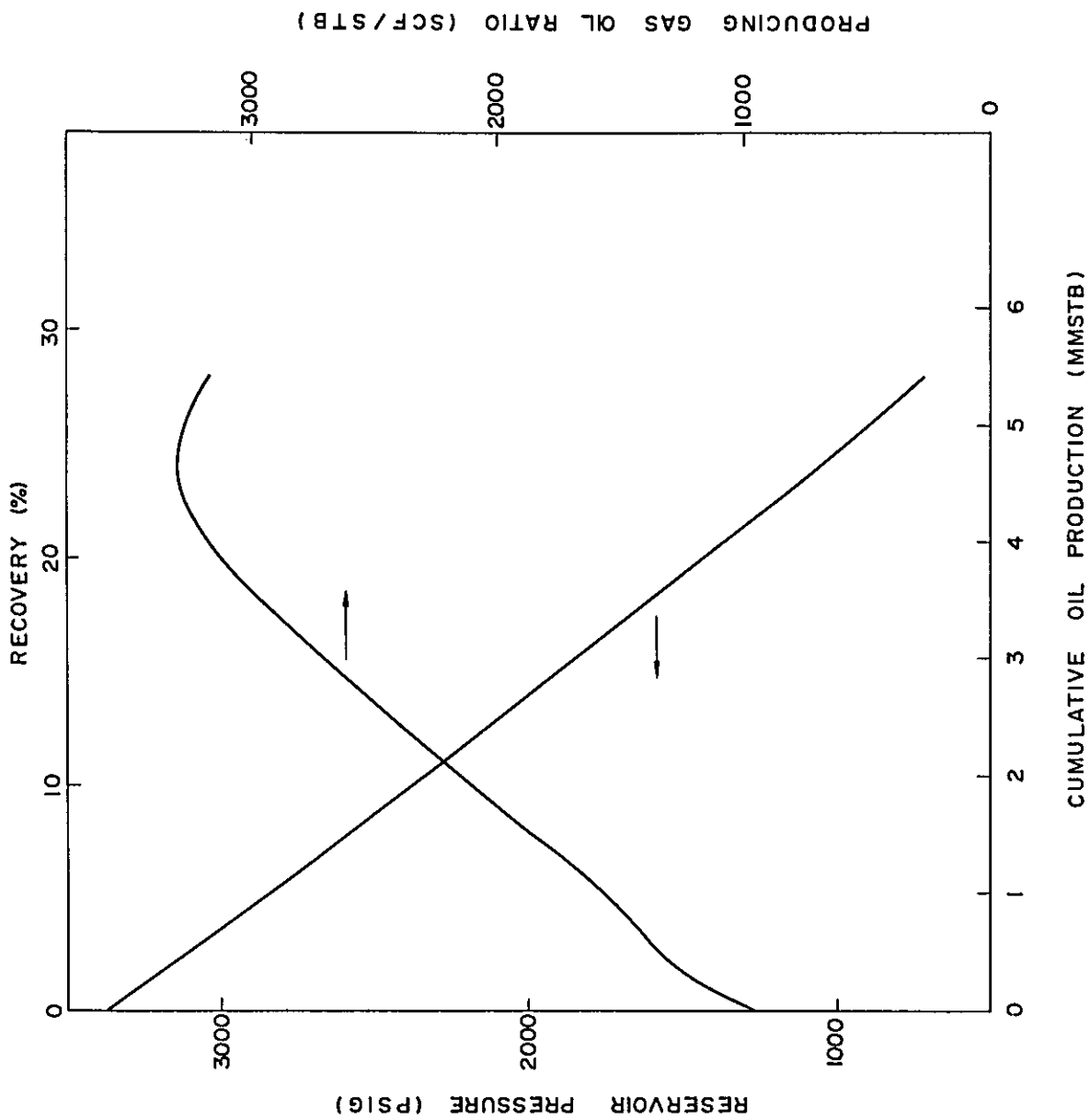


Fig. 4-3-58 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF BLOCK VII, BARAM A FIELD Vol. IV

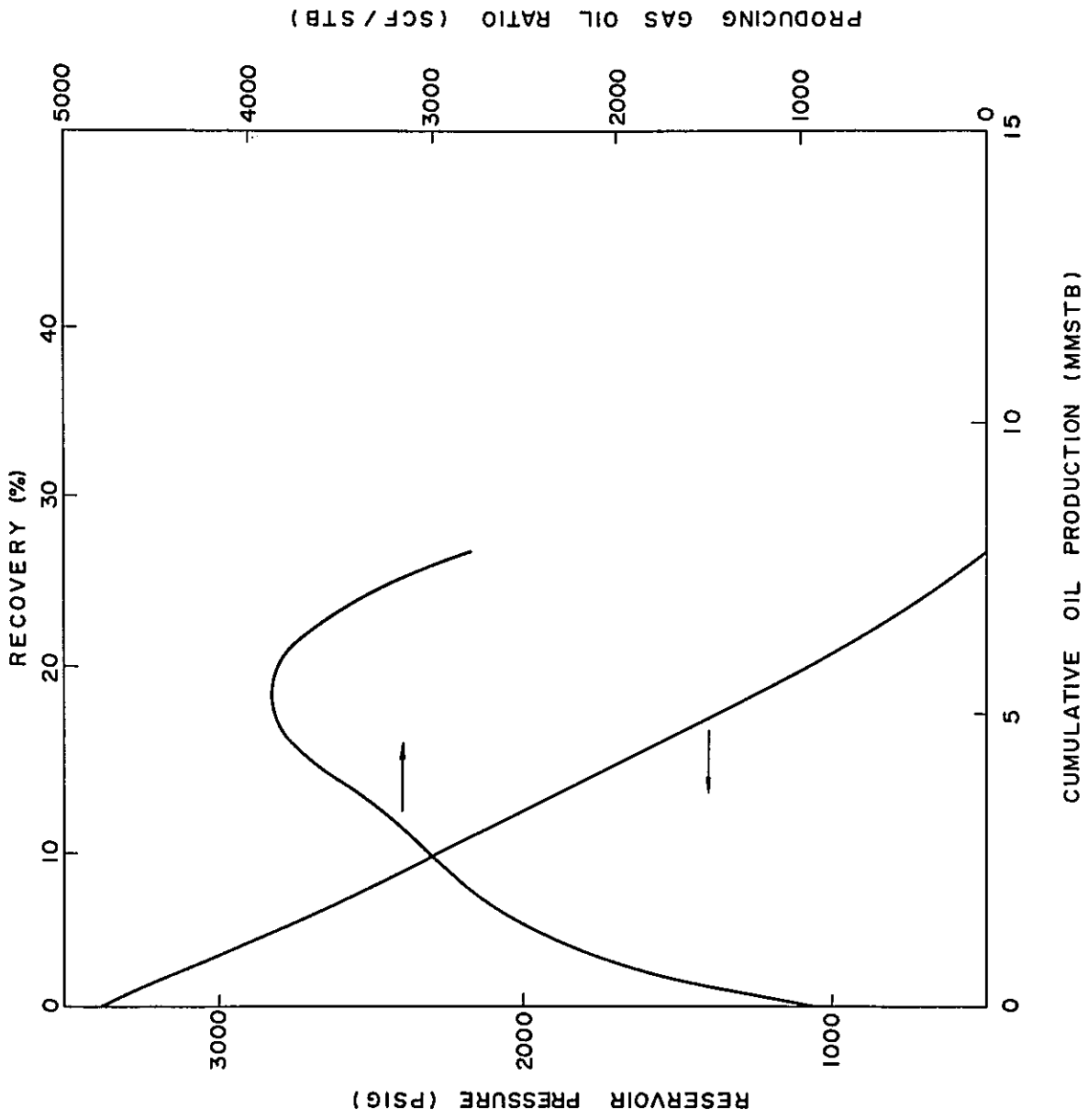


Fig. 4-3-59 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF BLOCK VIII, BARAM A FIELD Vol. IV

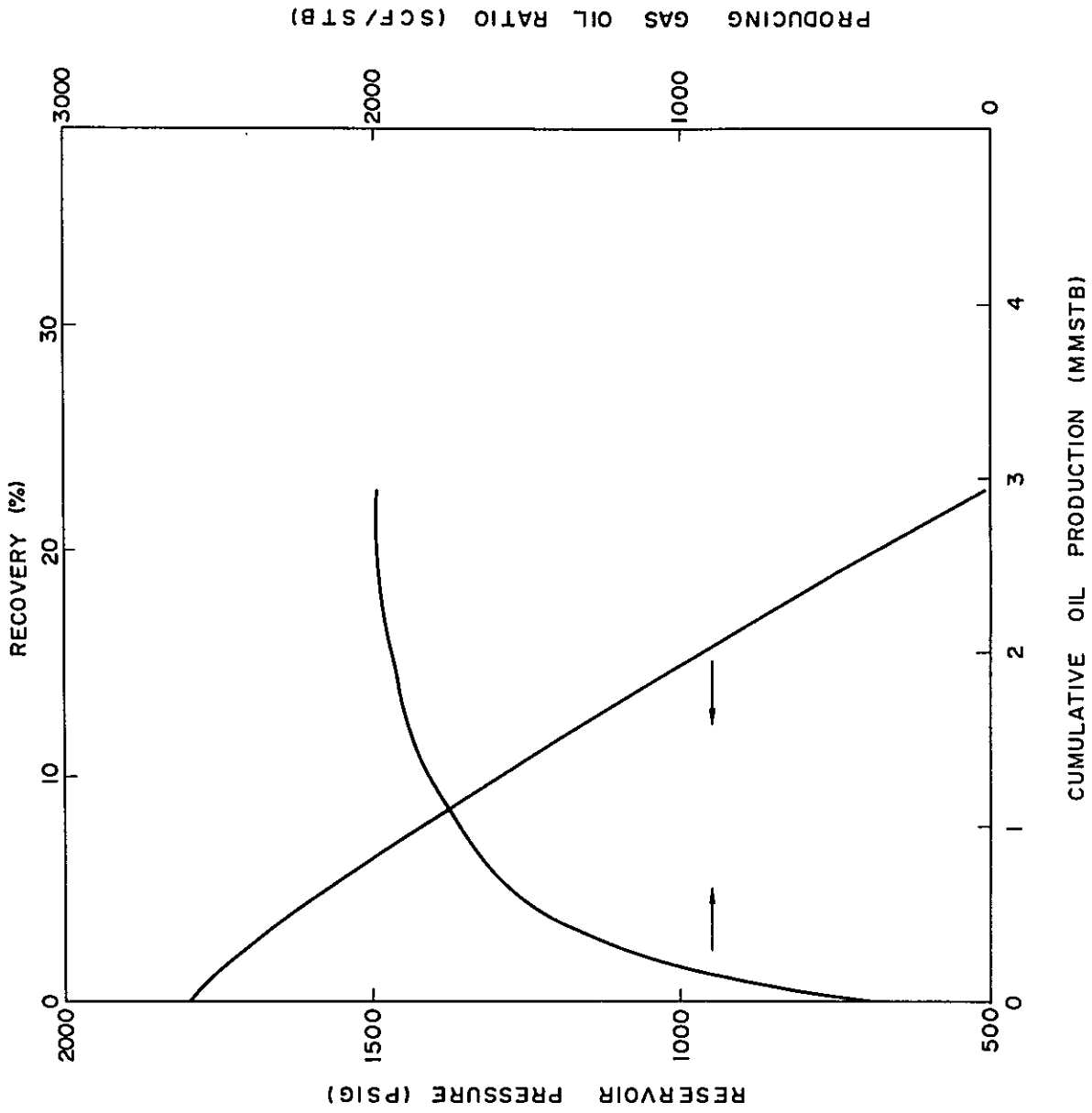


Fig. 4-3-60 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF UPPER BLOCK, BARAM A FIELD

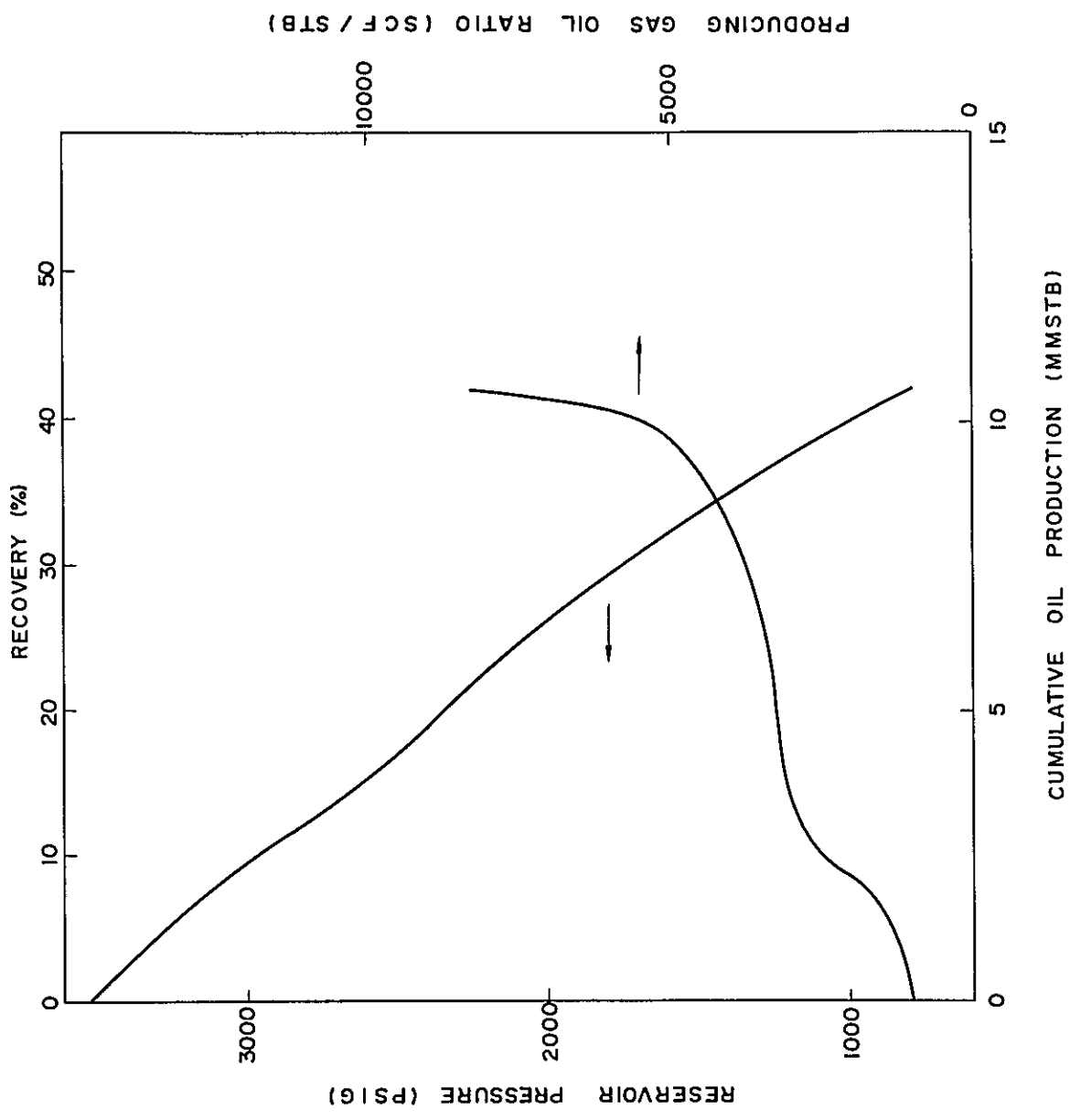


Fig. 4-3-61 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF MODEL-1, BARAM B FIELD

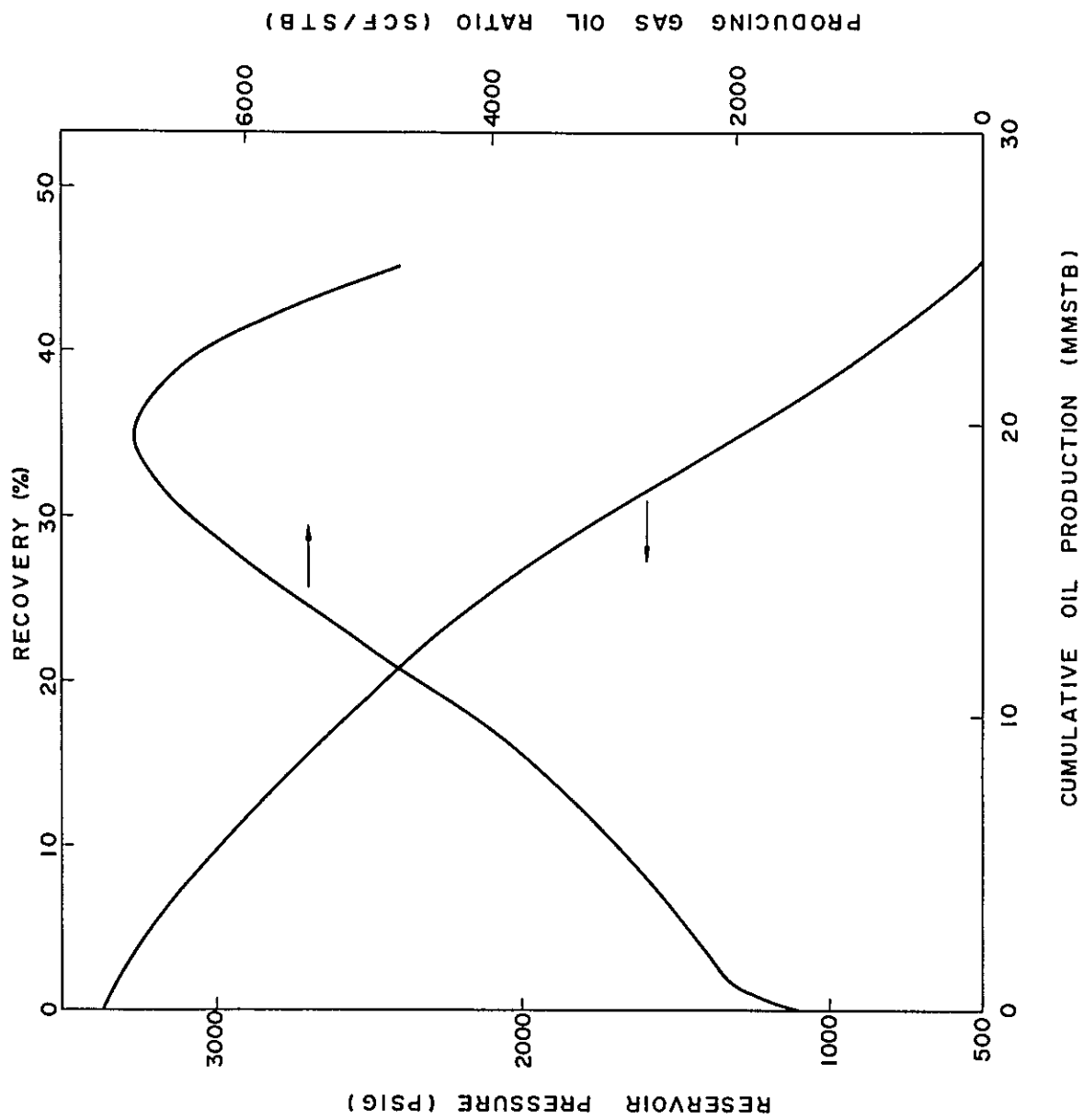


Fig. 4-3-62 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO FO MODEL-2, BARAM B FIELD

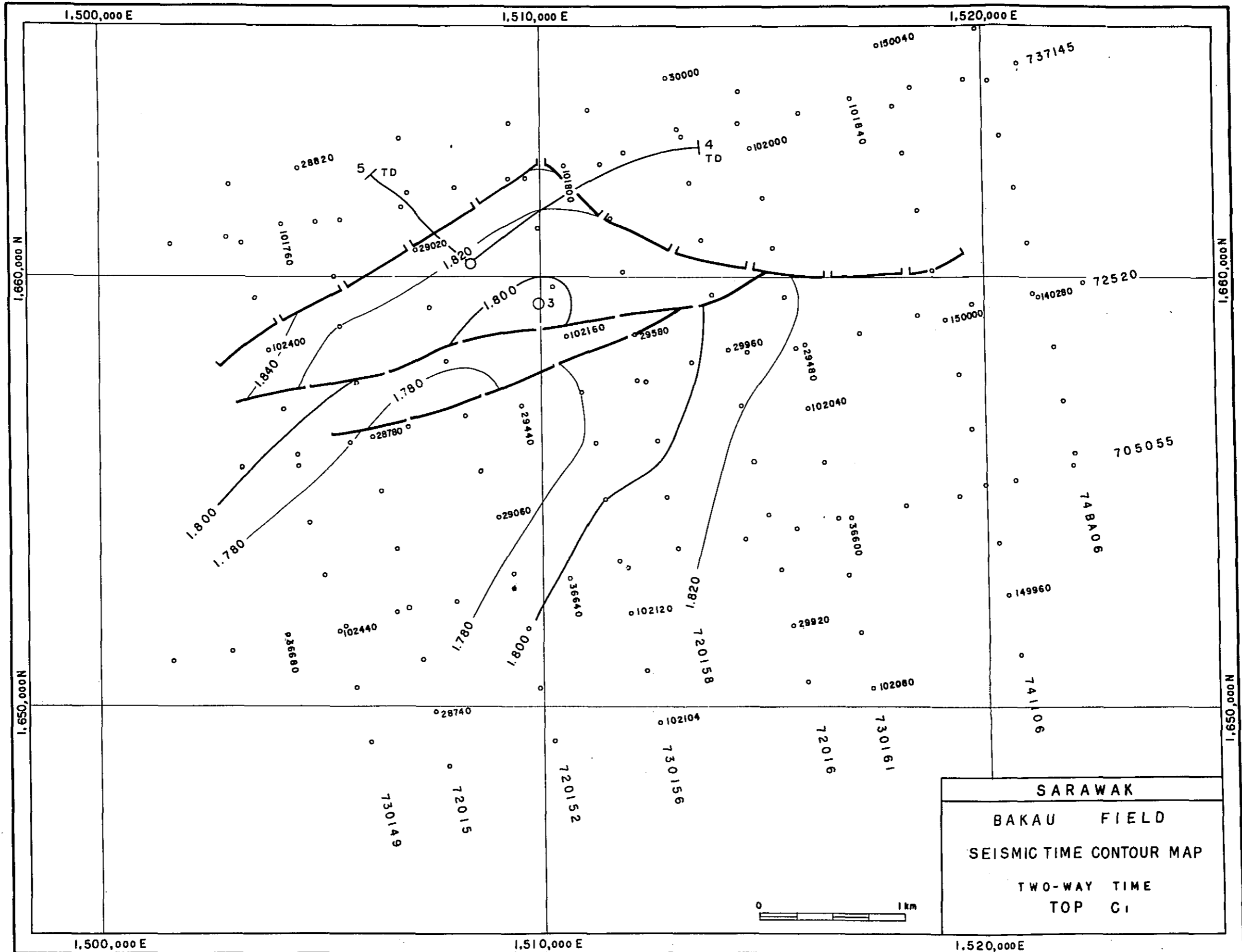


Fig. 5-1-1 TIME CONTOUR MAP, BAKAU FIELD, TOP C1
Vol. IV

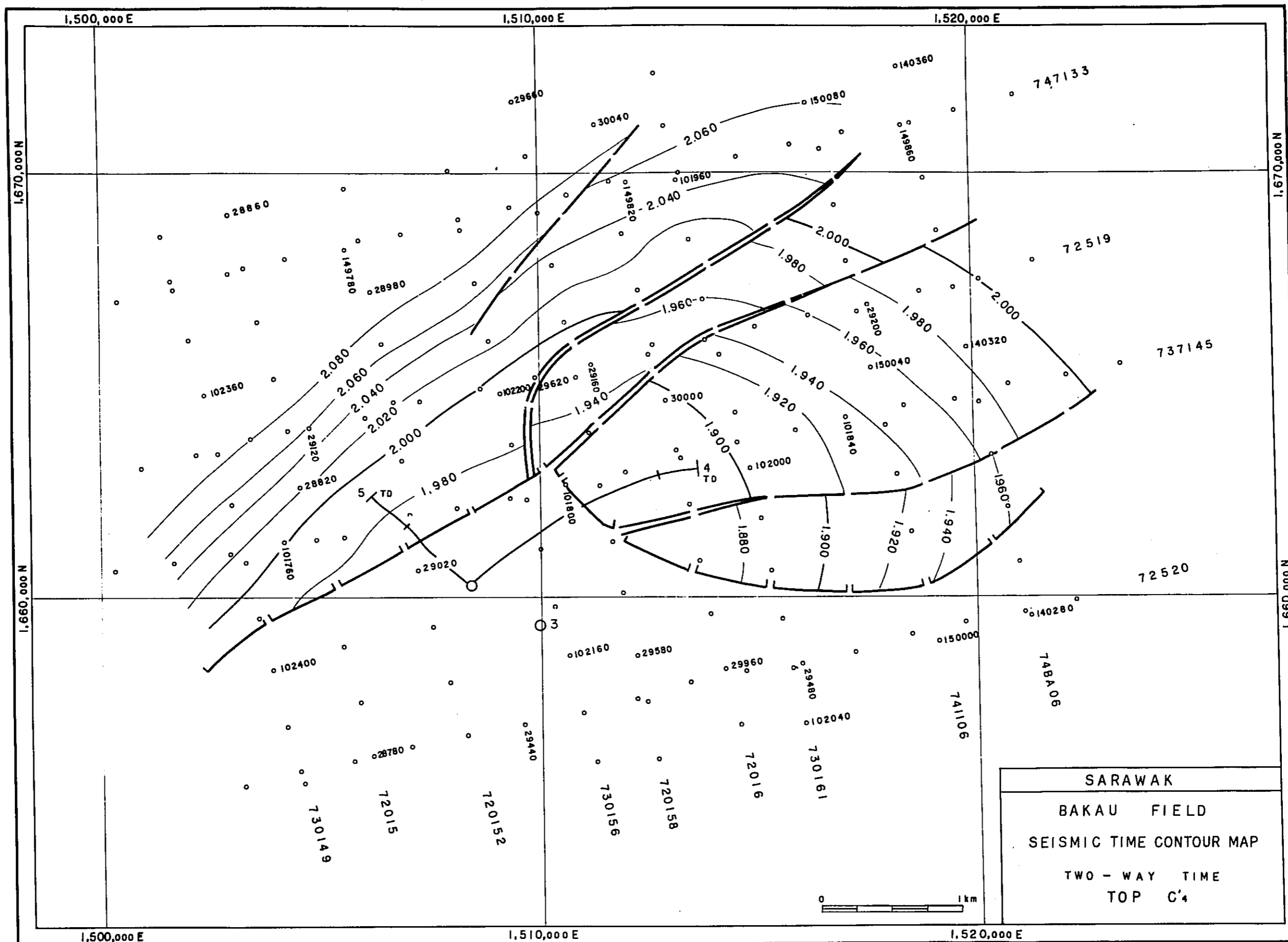


Fig. 5-1-2 TIME CONTOUR MAP, BAKAU FIELD, TOP C₄
Vol. IV

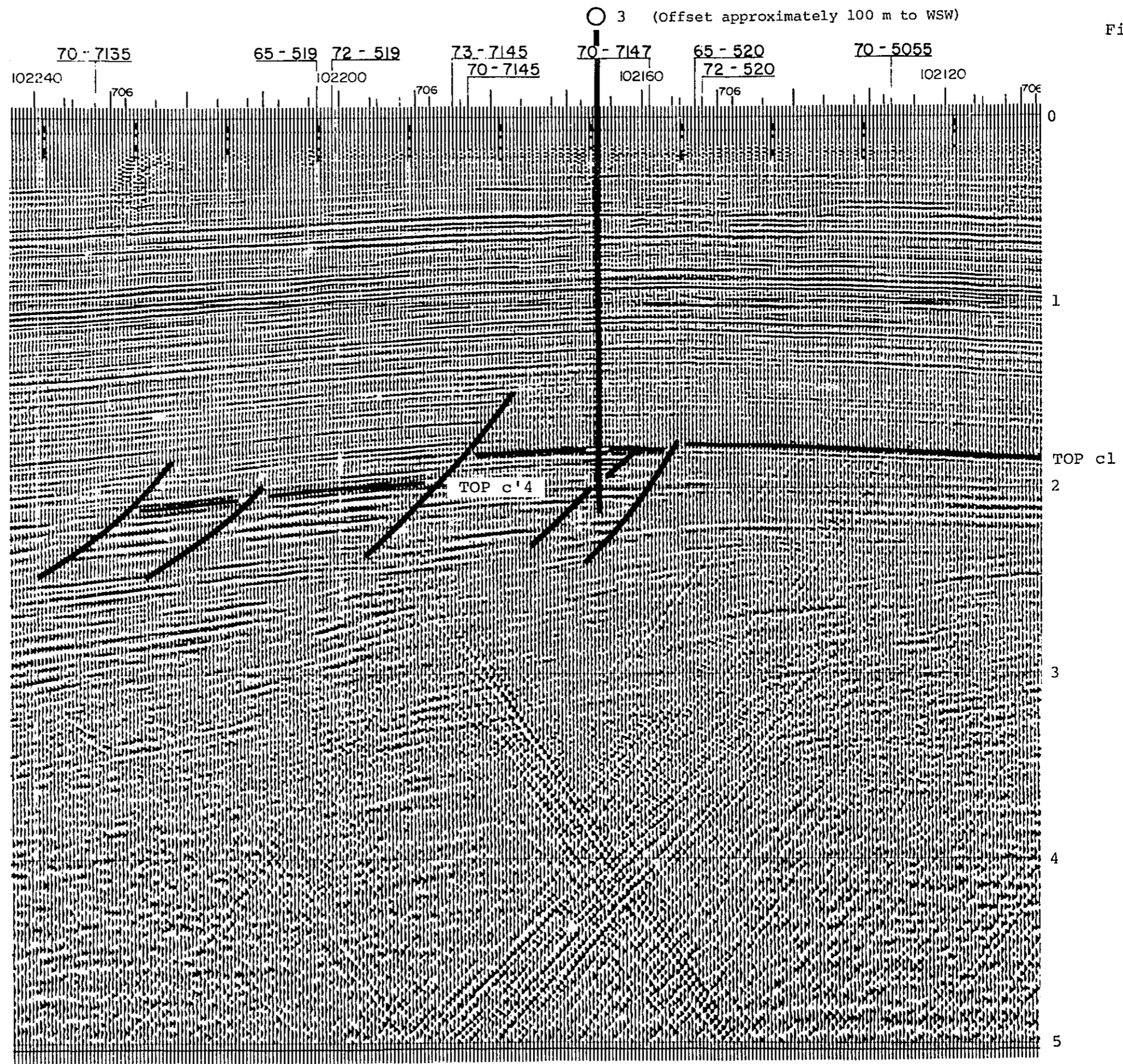


Fig. 5-1-3

Fig. 5-1-3 SEISMIC SECTION, BAKAU FIELD, Line 73-0156
Vol. IV

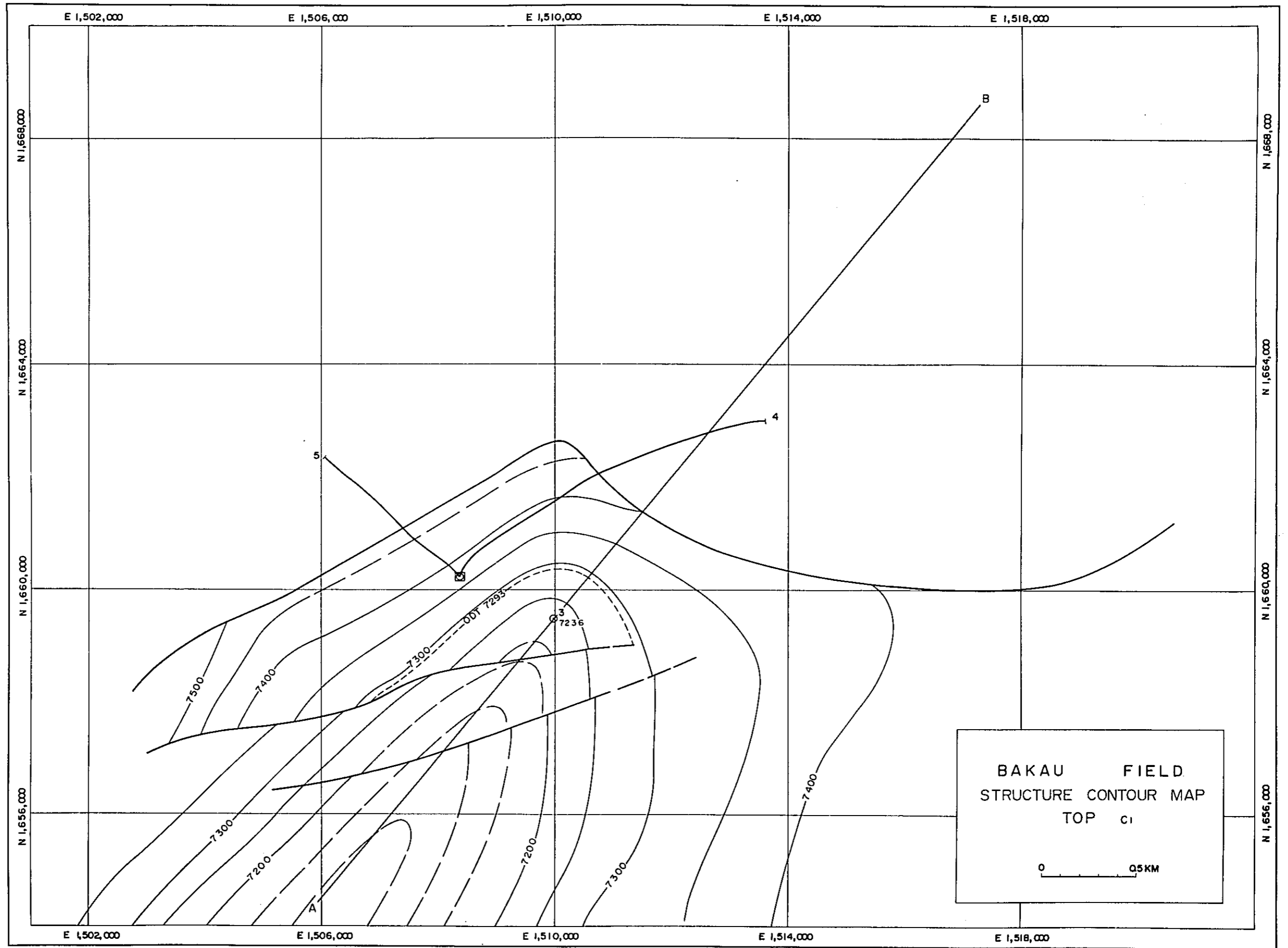


Fig. 5-2-1 STRUCTURE CONTOUR MAP, BAKAU FIELD, TOP c1
Vol. IV

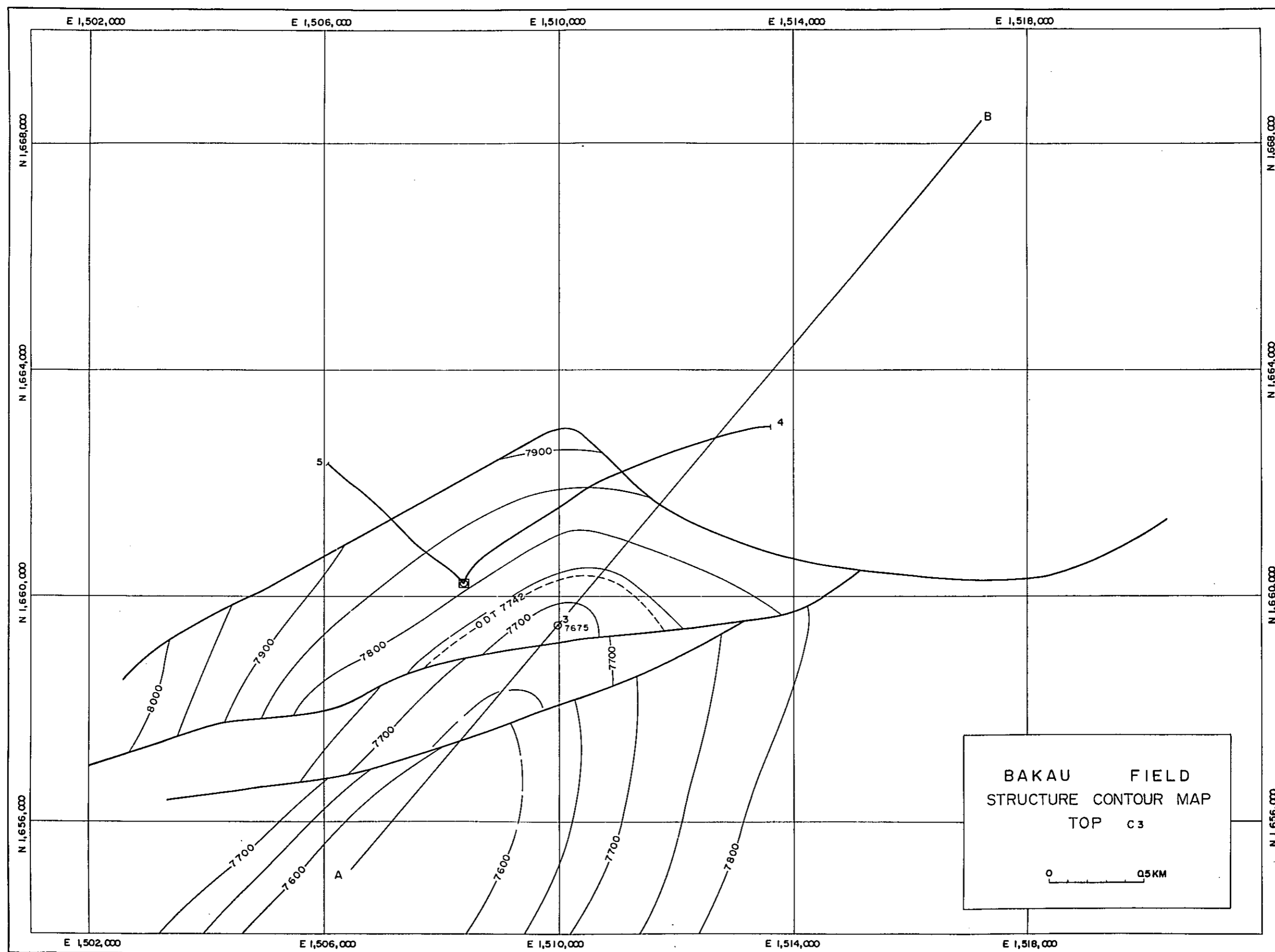


Fig. 5-2-2 STRUCTURE CONTOUR MAP, BAKAU FIELD, TOP c3
Vol. IV

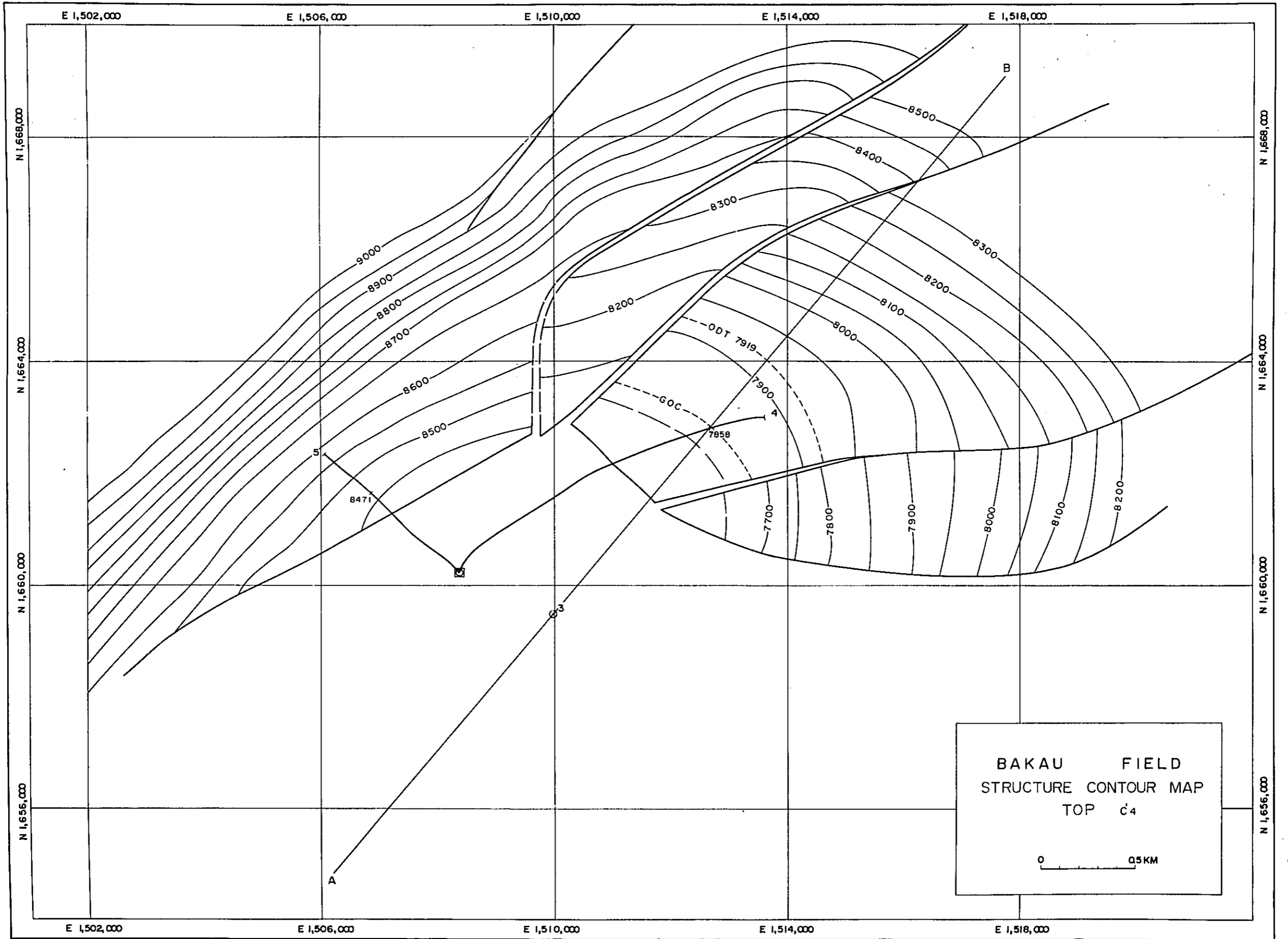


Fig. 5-2-3
Vol. IV

STRUCTURE CONTOUR MAP, BAKAU FIELD, TOP c'4

Fig. 5-2-4

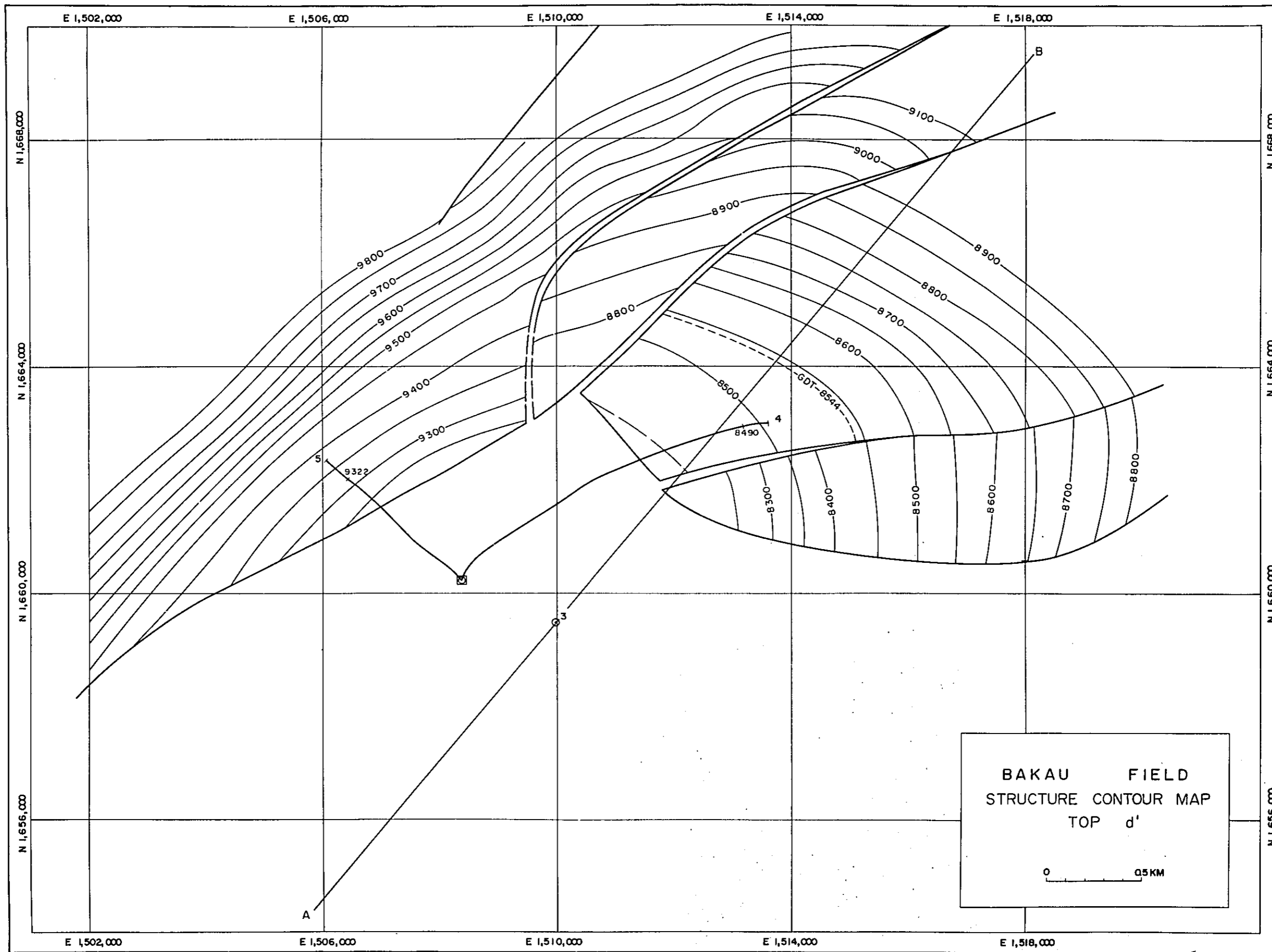


Fig. 5-2-4
Vol. IV

STRUCTURE CONTOUR MAP, BAKAU FIELD, TOP d'

STRUCTURAL CROSS-SECTION
BAKAU FIELD

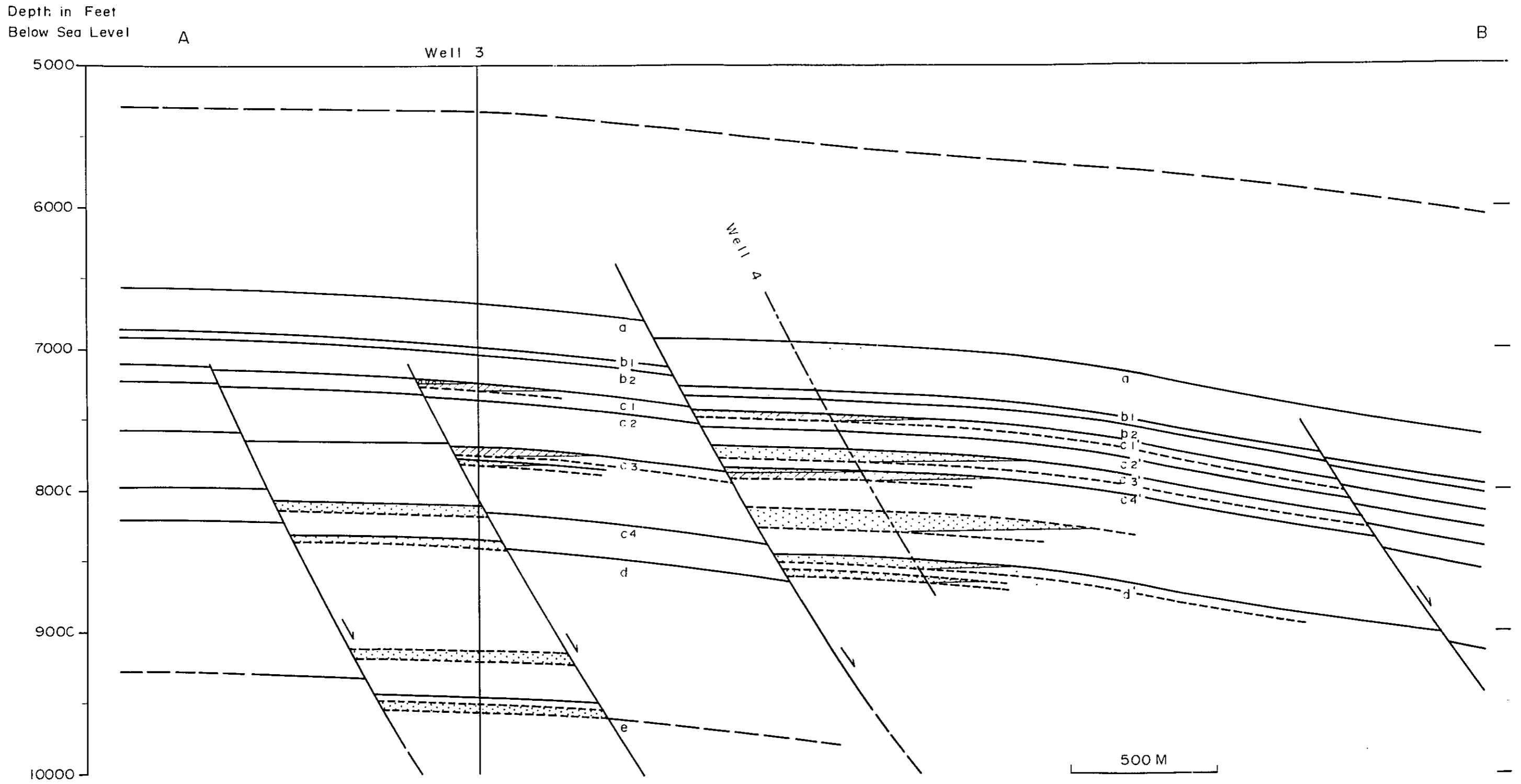


Fig. 5-2-5
Vol. IV

STRUCTURAL CROSS-SECTION, BAKAU FIELD

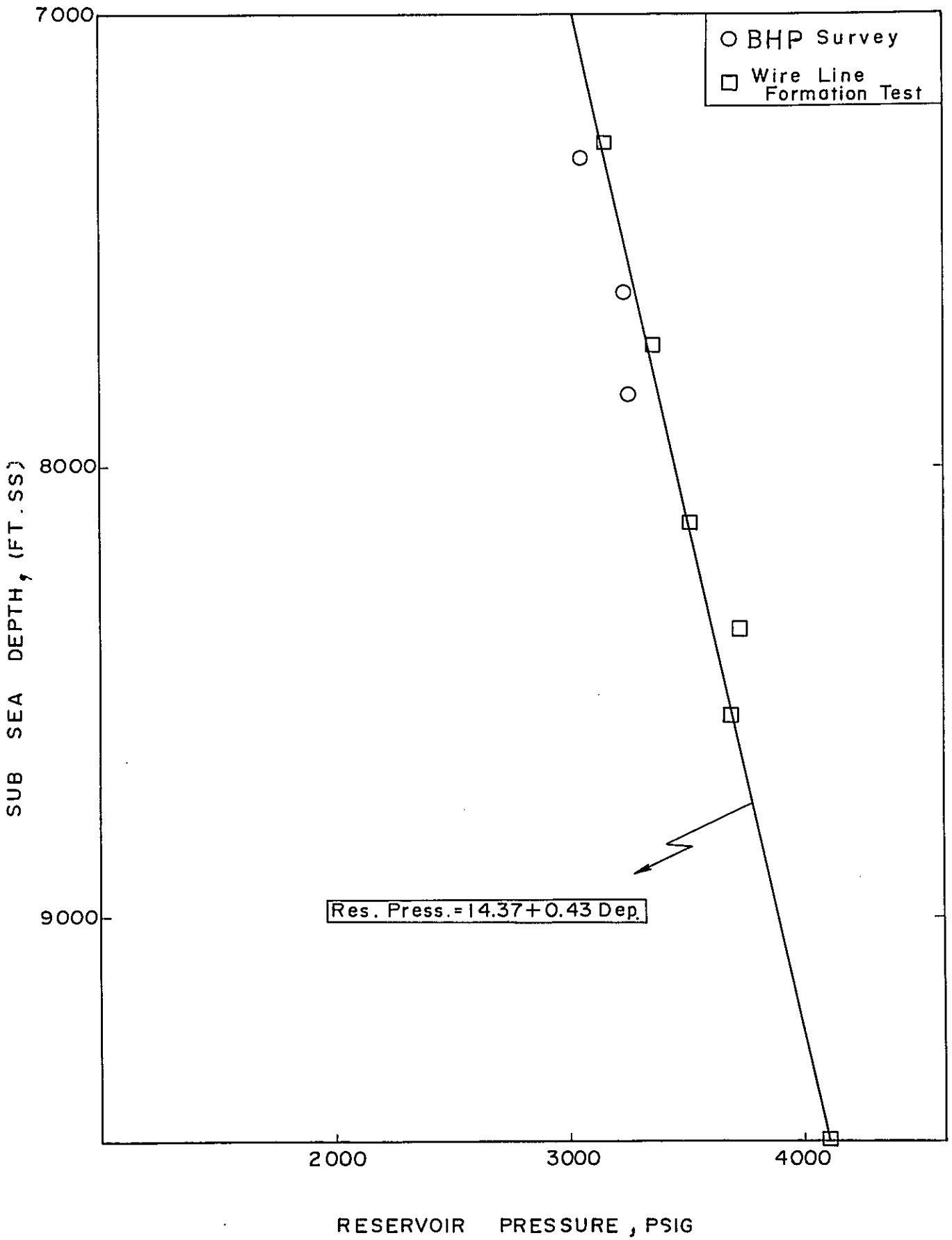


Fig. 5-3-1
Vol. IV

RESERVOIR PRESSURE VS. DEPTH, BAKAU FIELD

Fig. 5-3-2

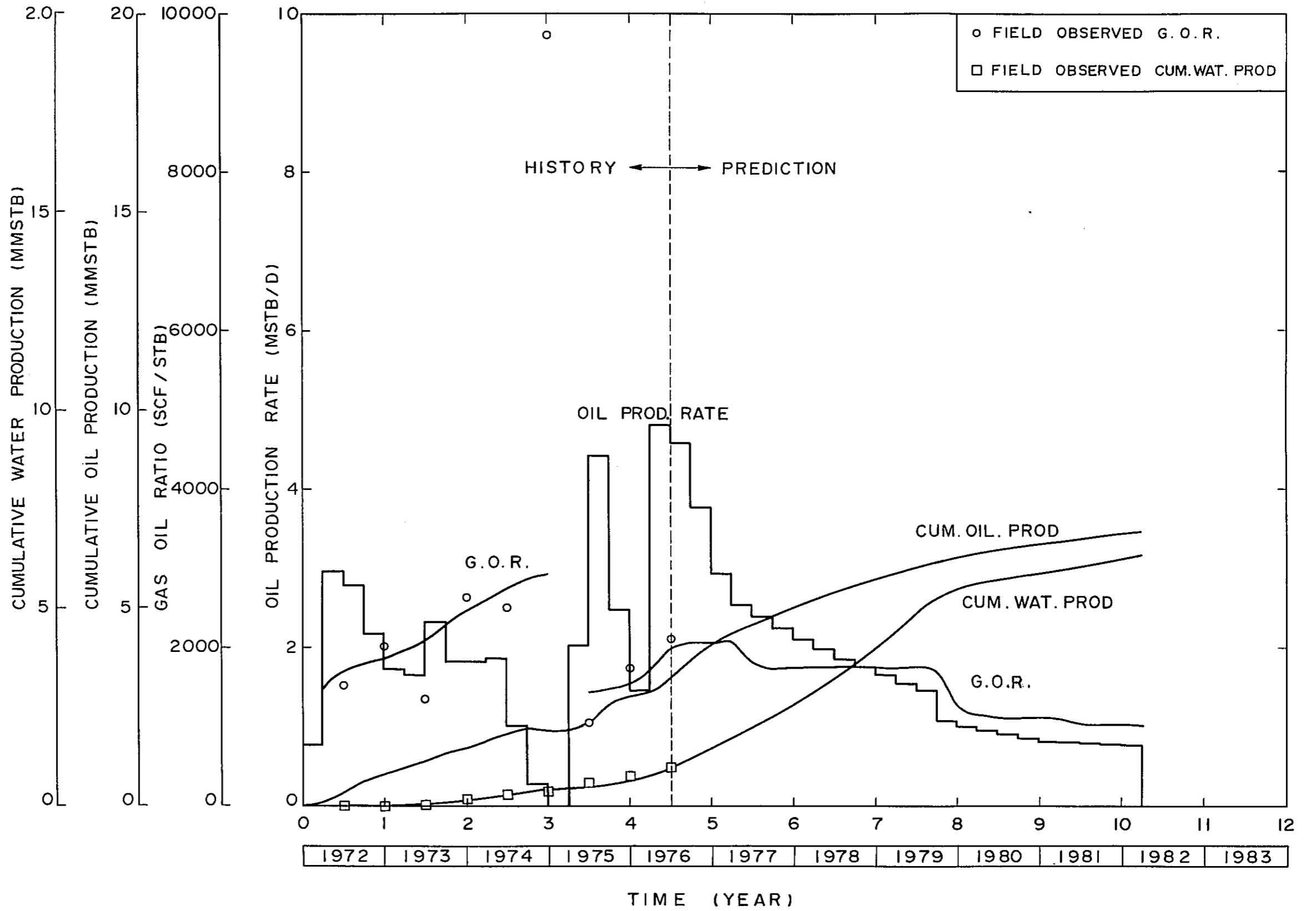


Fig. 5-3-2 PREDICTED PERFORMANCE OF BAKAU FIELD
Vol. IV

Fig. 5-3-3

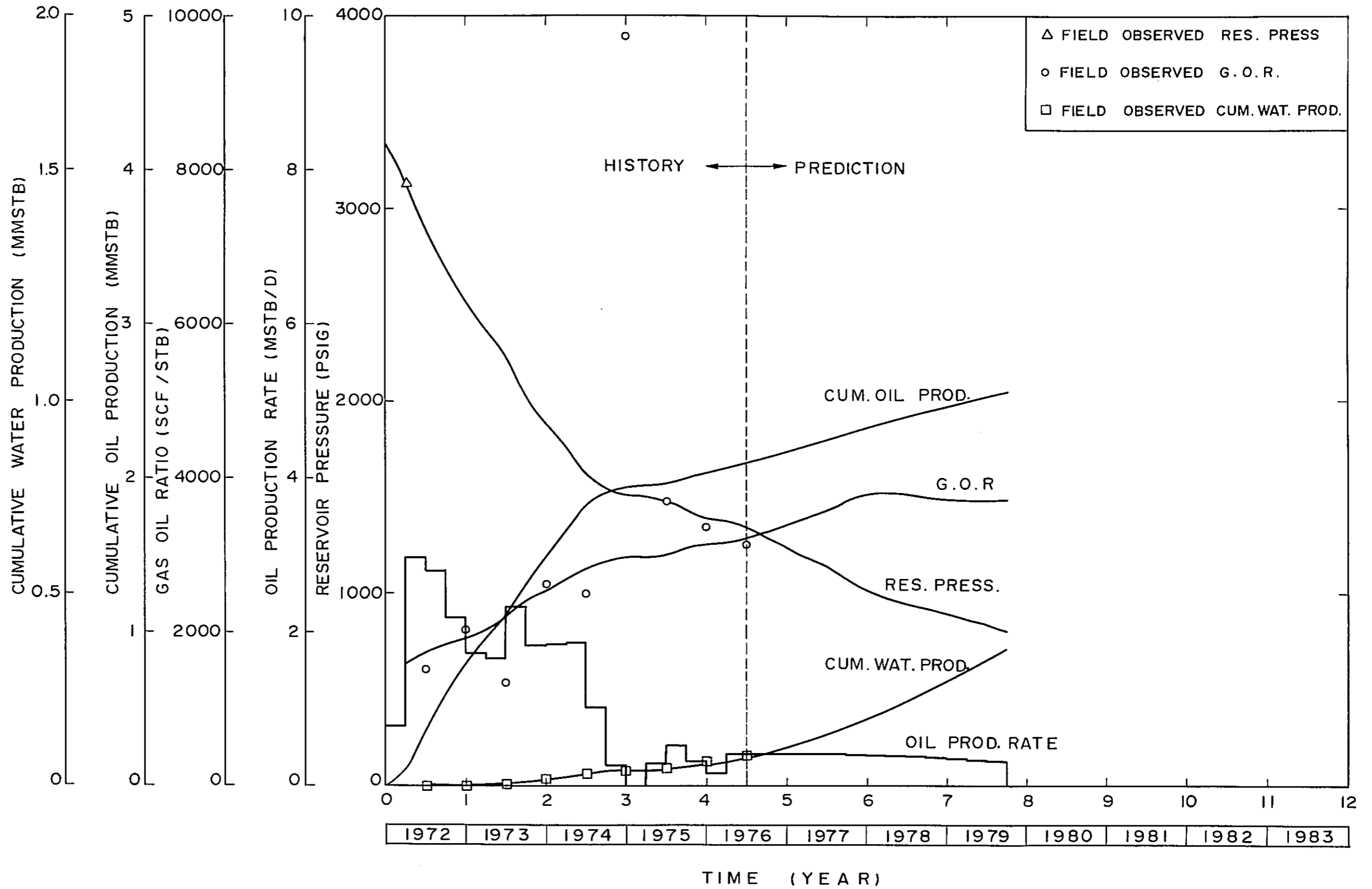


Fig. 5-3-3
Vol. IV

PREDICTED PERFORMANCE OF WELL BK-3, BAKAU FIELD

Fig. 5-3-4

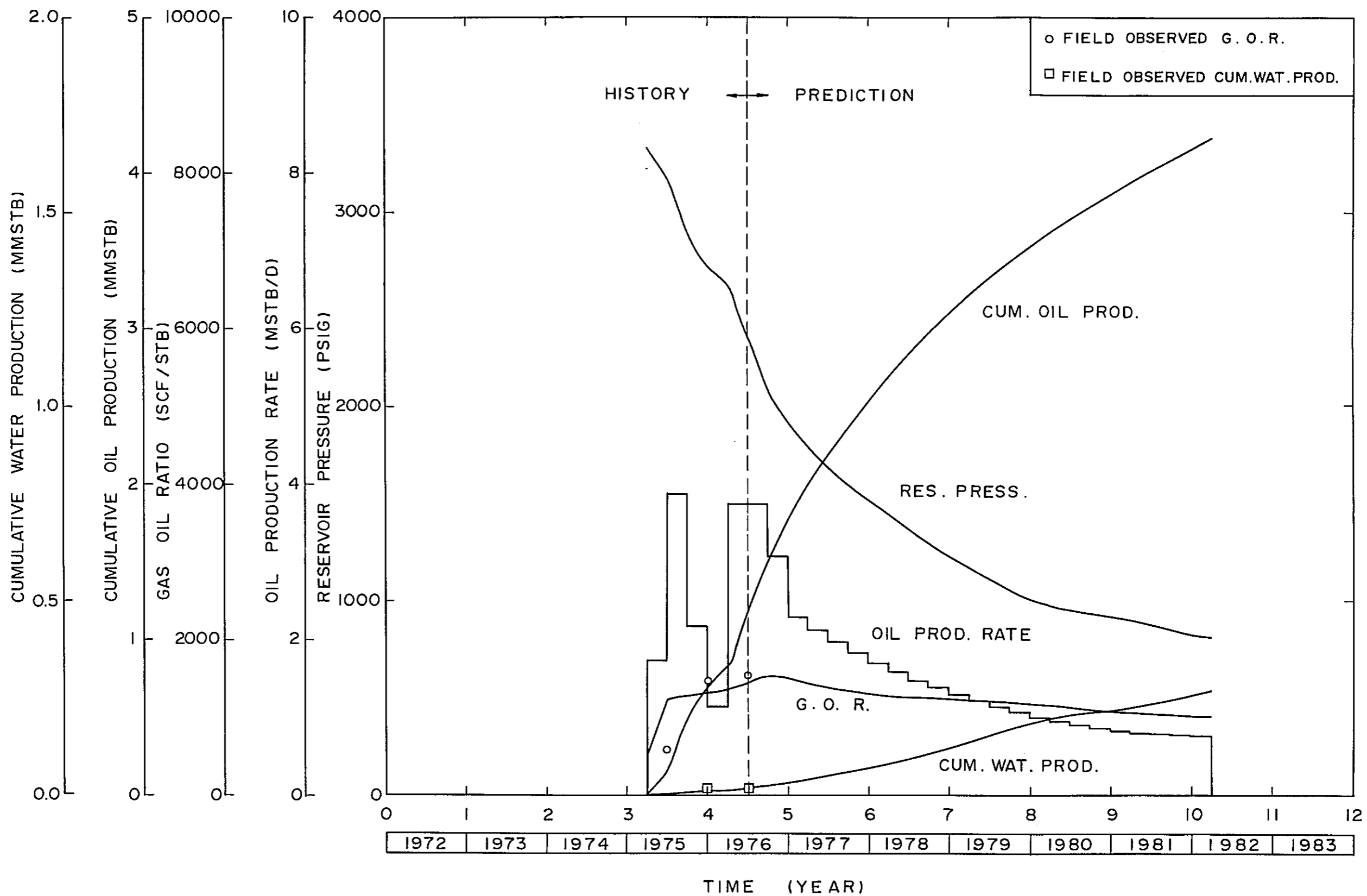


Fig. 5-3-4
Vol. IV

PREDICTED PERFORMANCE OF WELL BK-4, BAKAU FIELD

Fig. 5-3-5

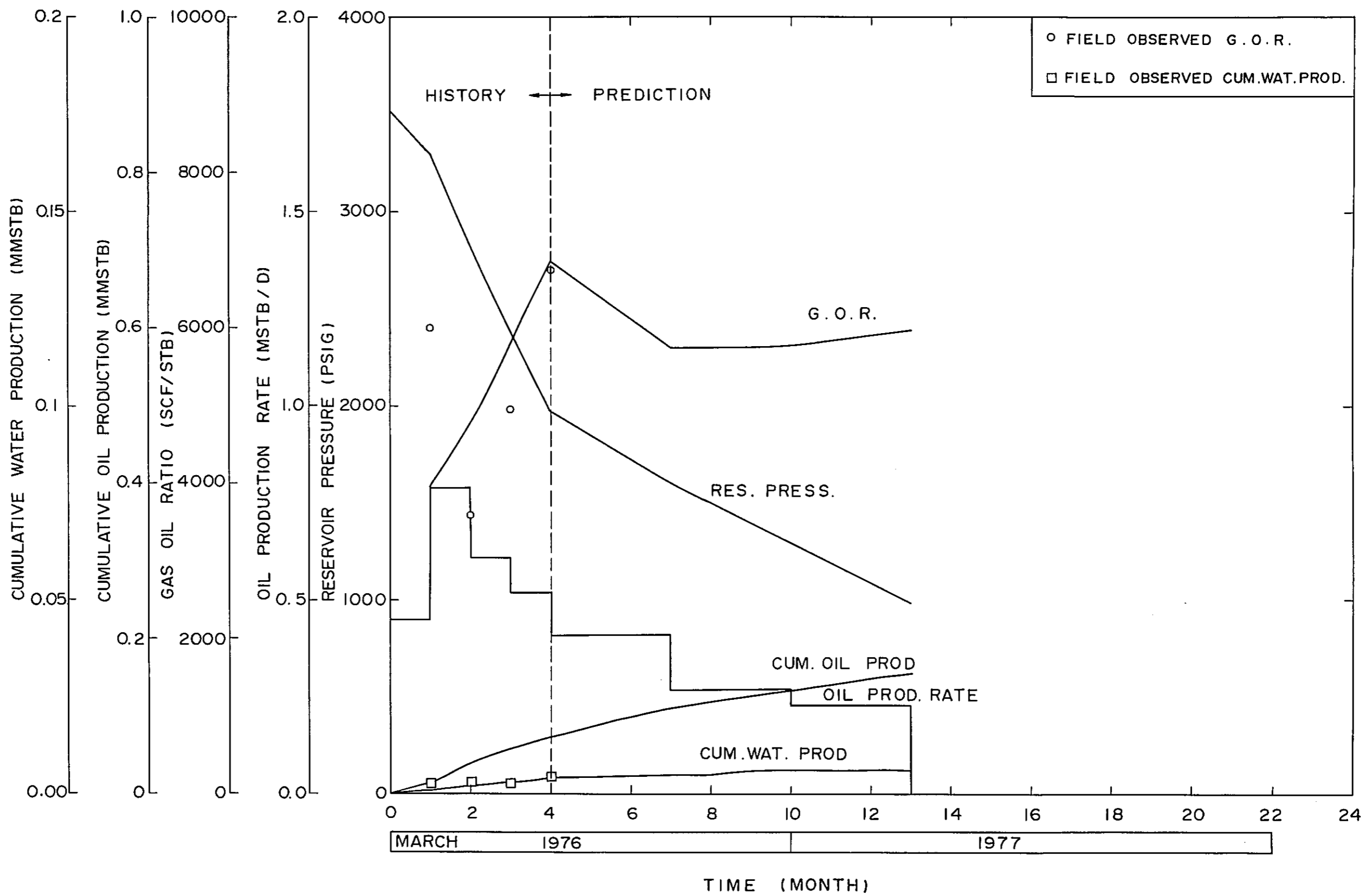


Fig. 5-3-5
Vol. IV

PREDICTED PERFORMANCE OF WELL BK-5, BAKAU FIELD

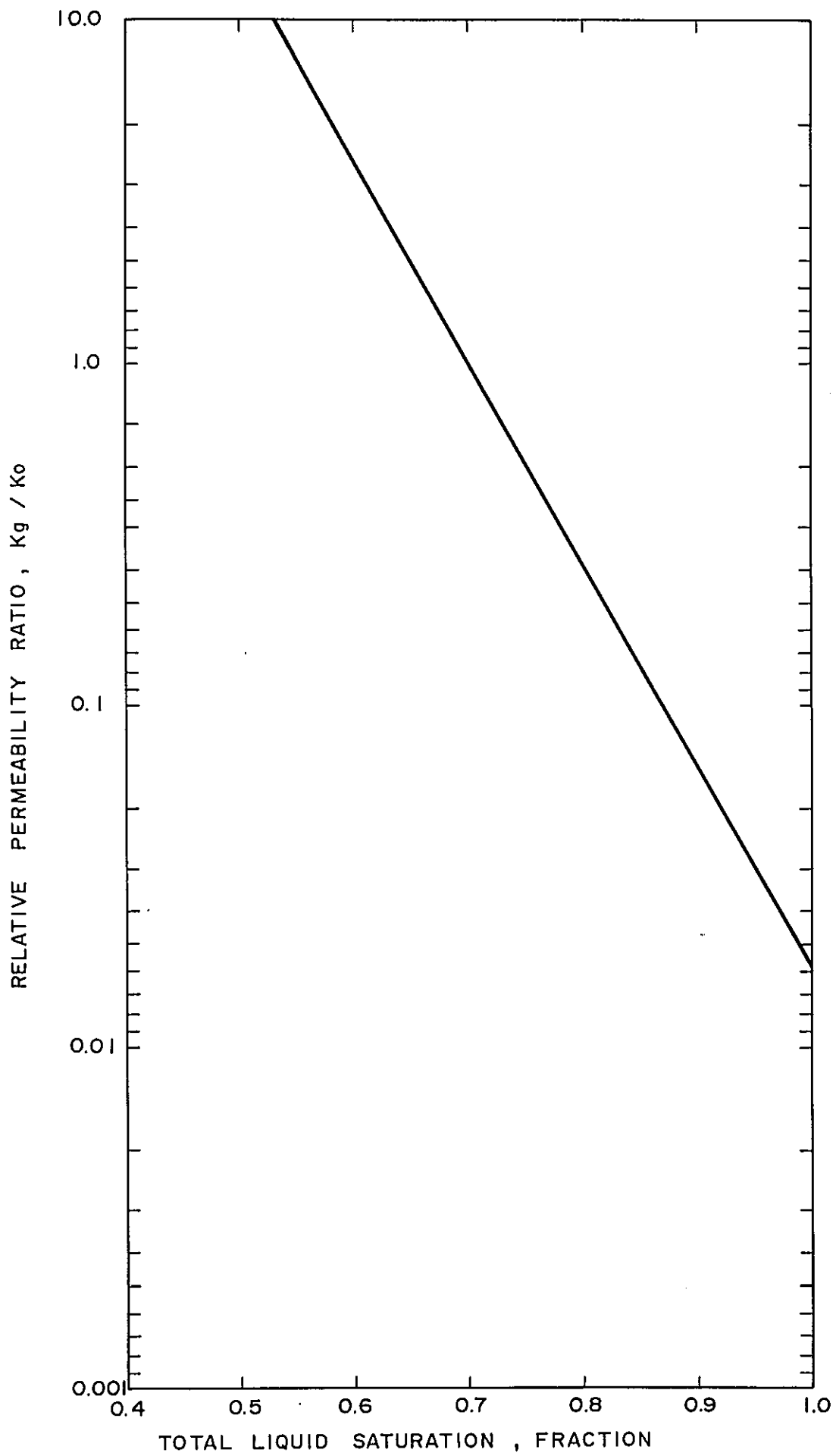


Fig. 5-3-6 GAS-OIL RELATIVE PERMEABILITY RATIO OF WELL BK-3, BAKAU FIELD
Vol. IV

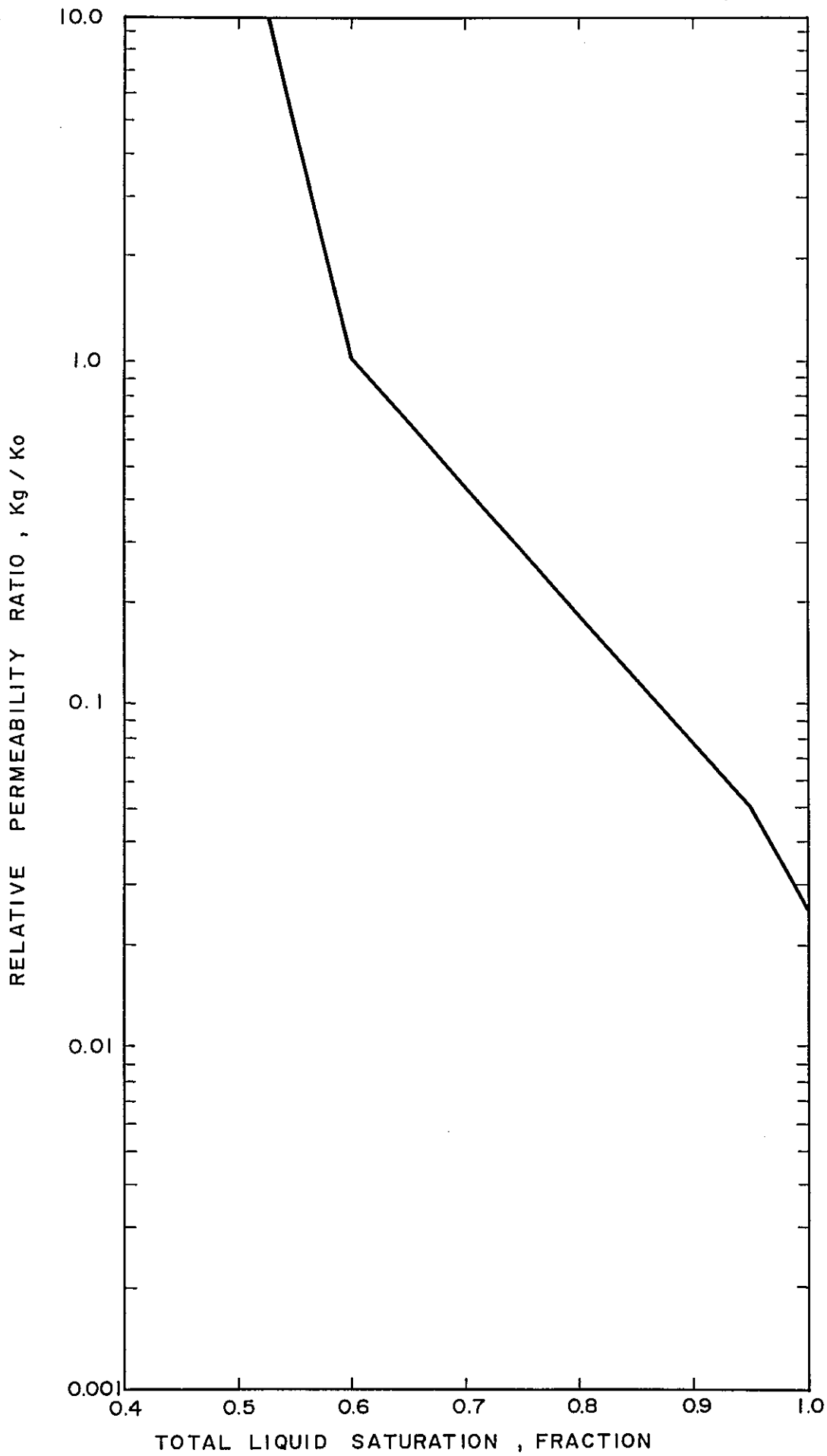


Fig. 5-3-7 GAS-OIL RELATIVE PERMEABILITY RATIO OF WELL BK-4, BAKAU FIELD
Vol. IV

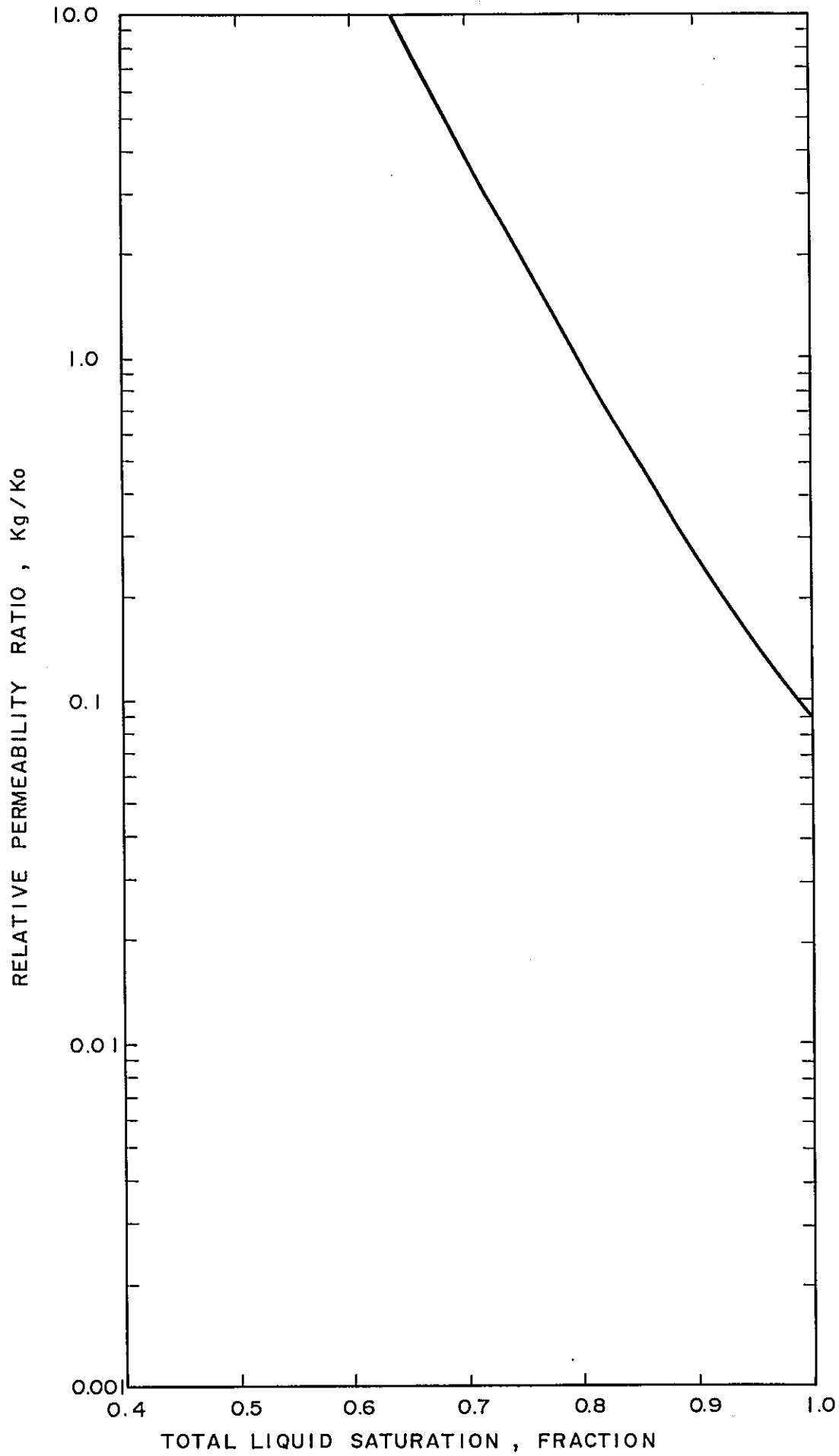


Fig. 5-3-8 GAS-OIL RELATIVE PERMEABILITY RATIO OF WELL BK-5, BAKAU FIELD
VOL. IV

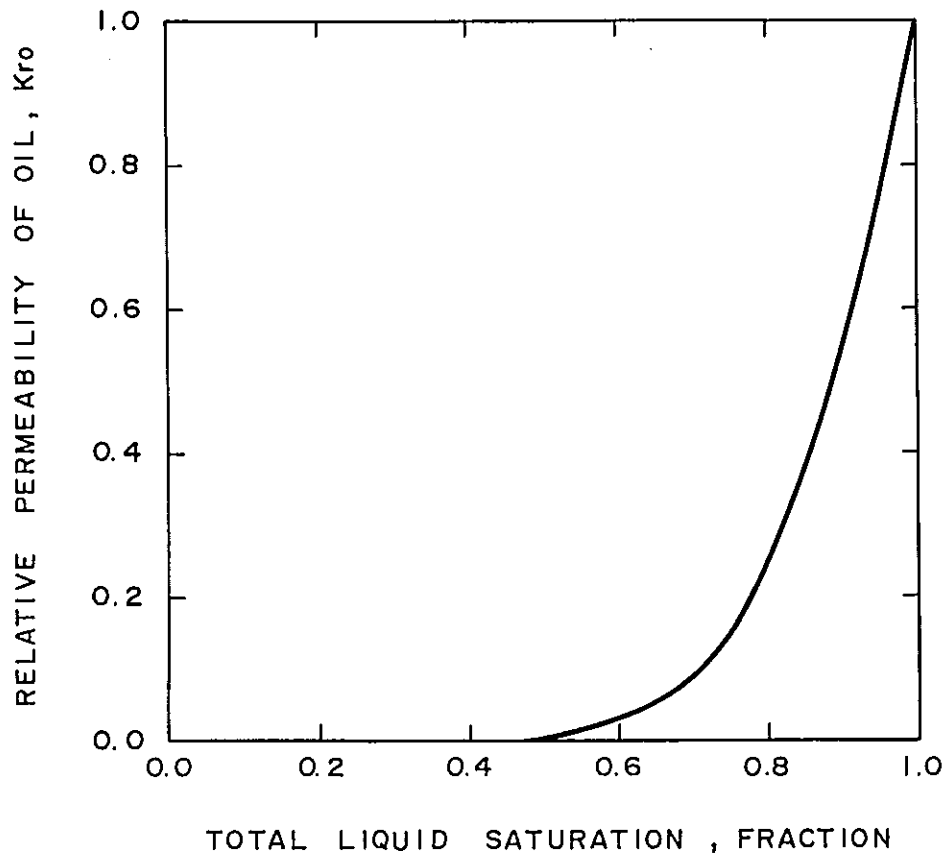


Fig. 5-3-9 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV WELL BK-3, BAKAU FIELD

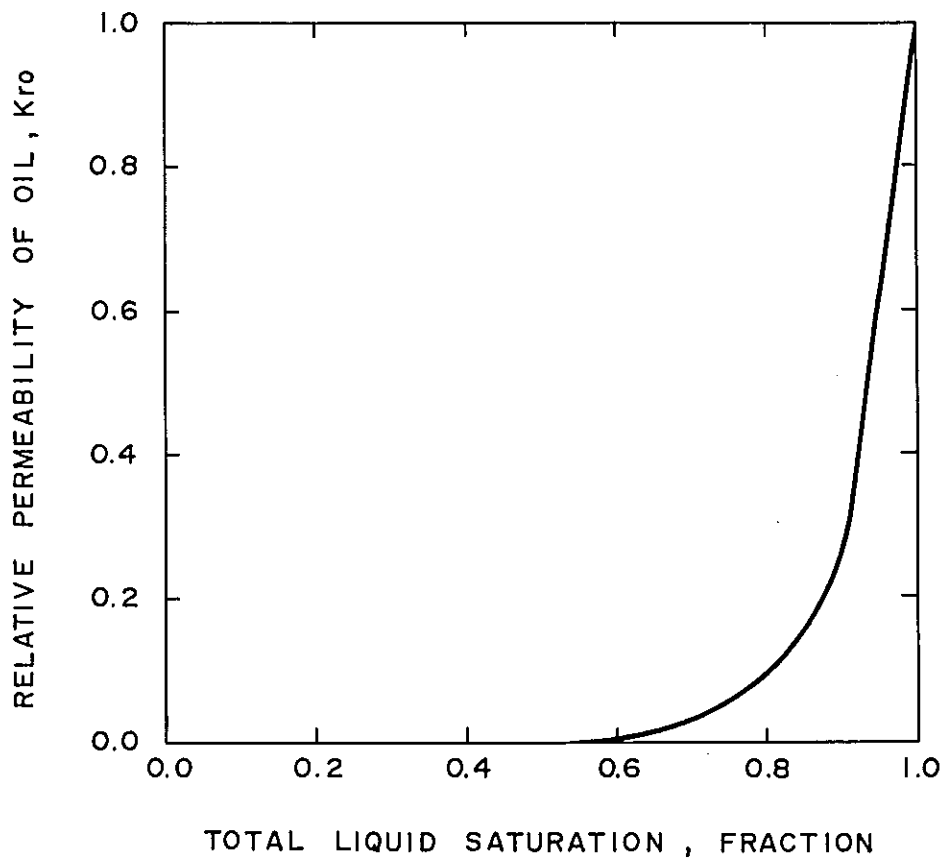


Fig. 5-3-10 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV WELL BK-4, BAKAU FIELD

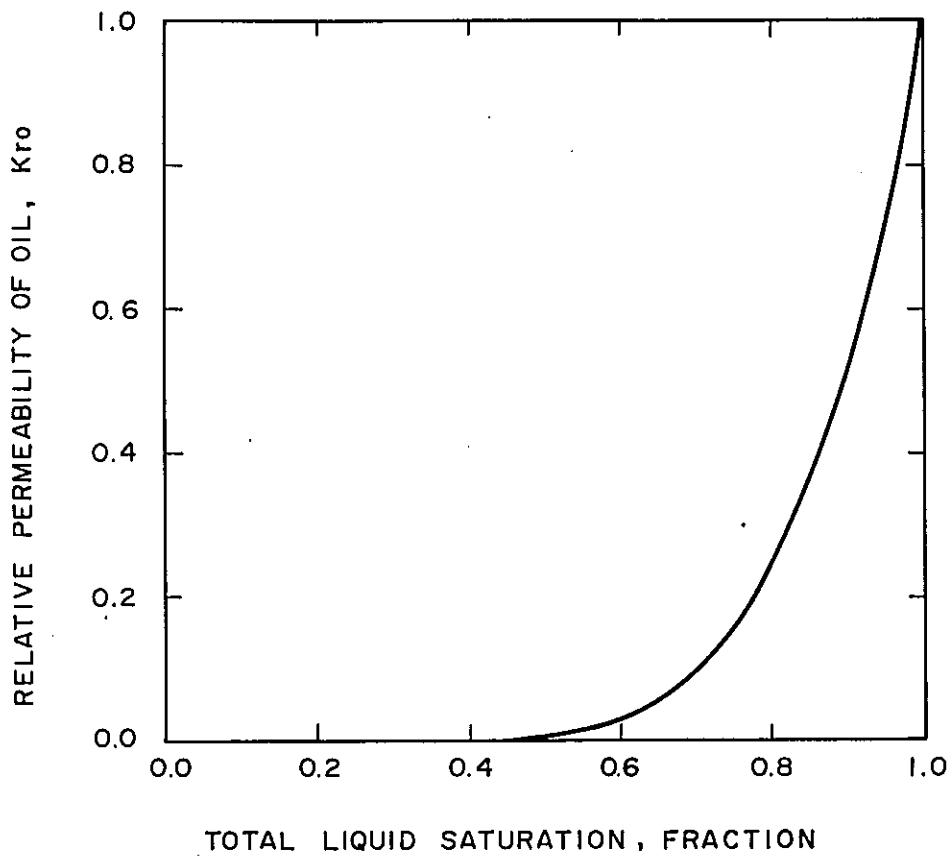


Fig. 5-3-11 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV WELL BK-5, BAKAU FIELD

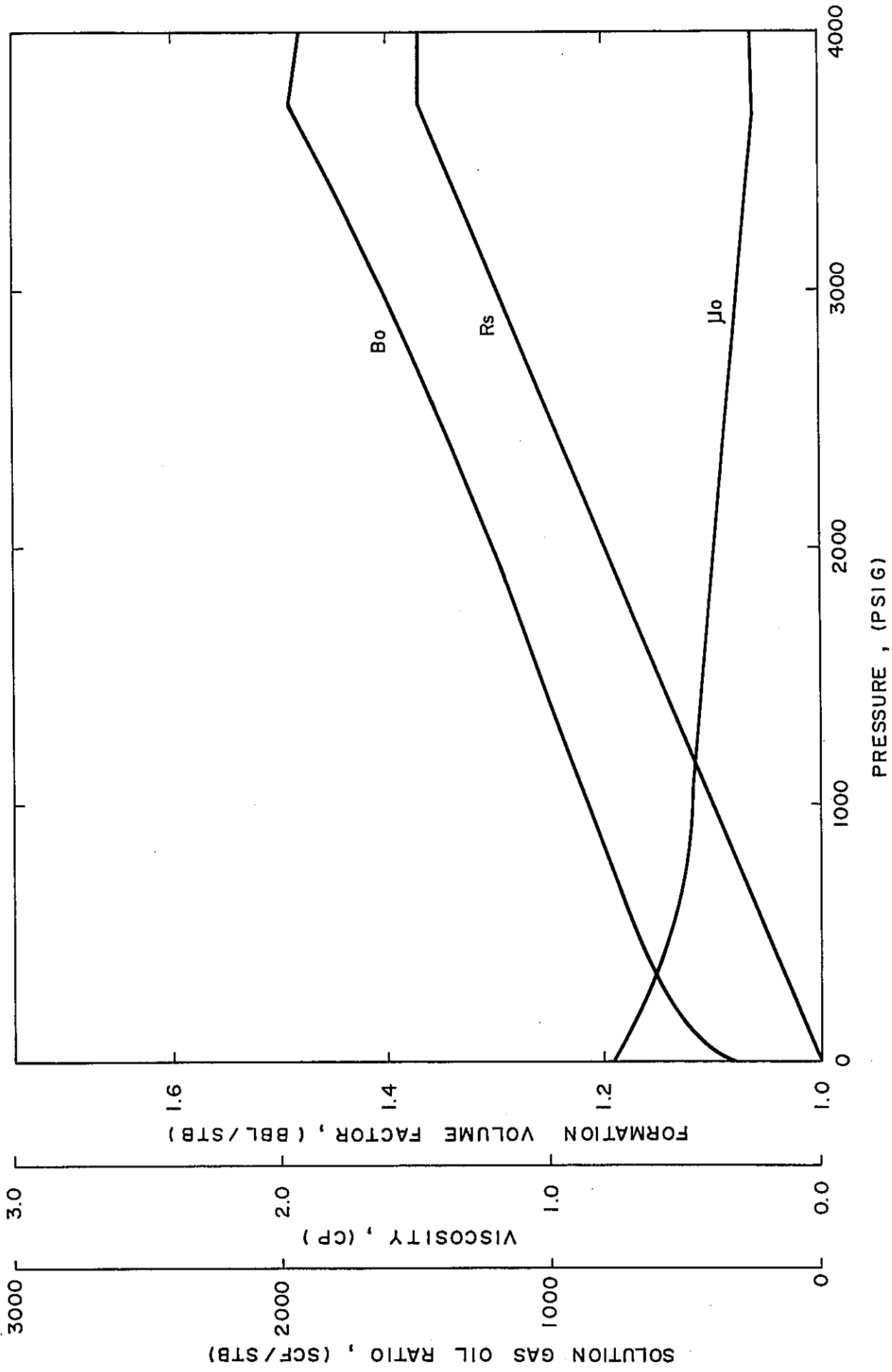


Fig. 5-3-12 OIL PROPERTIES OF WELL BK-3, BAKAU FIELD
Vol. IV

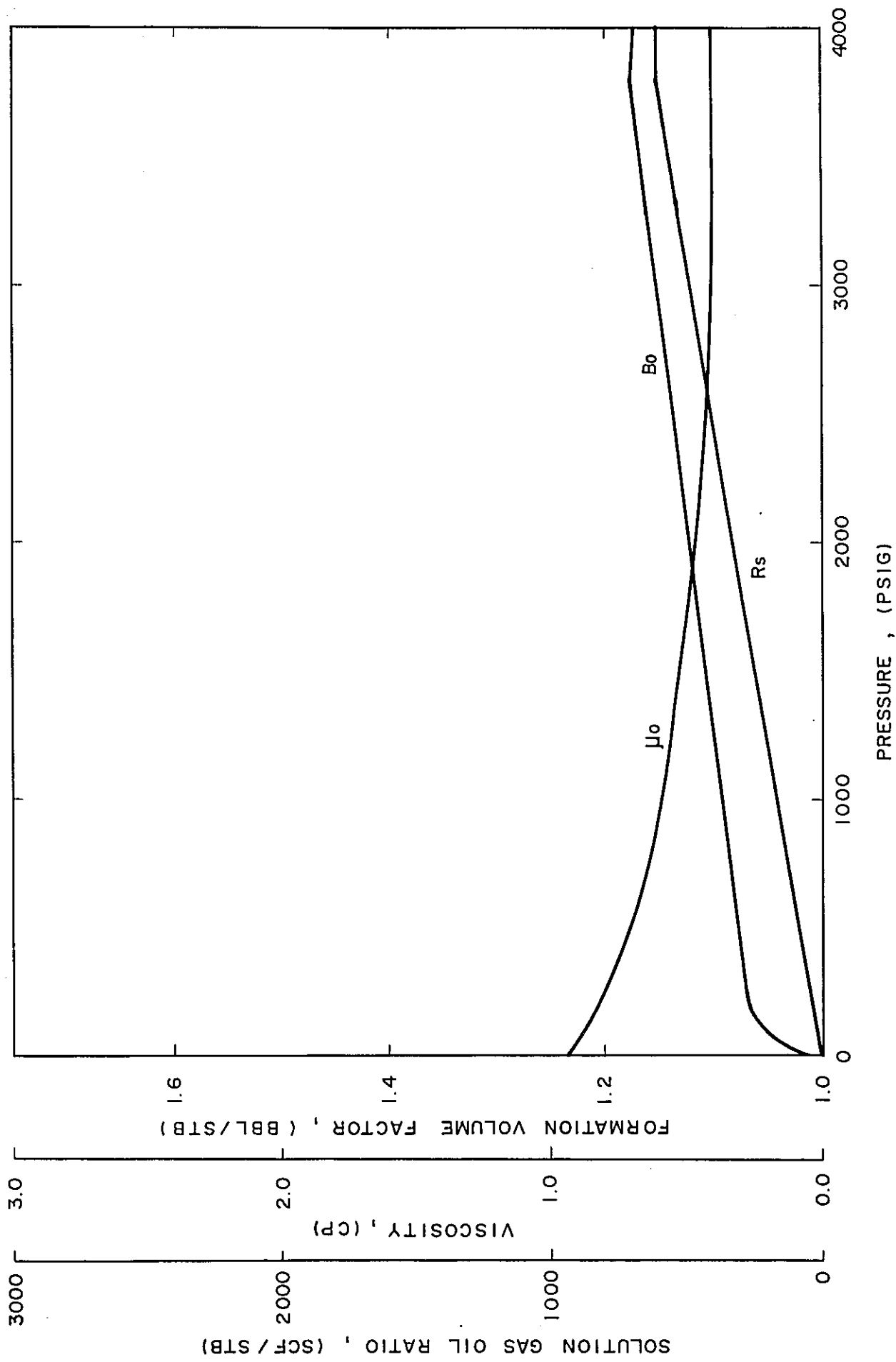


Fig. 5-3-13 OIL PROPERTIES OF WELL BK-4, BAKAU FIELD
Vol. IV

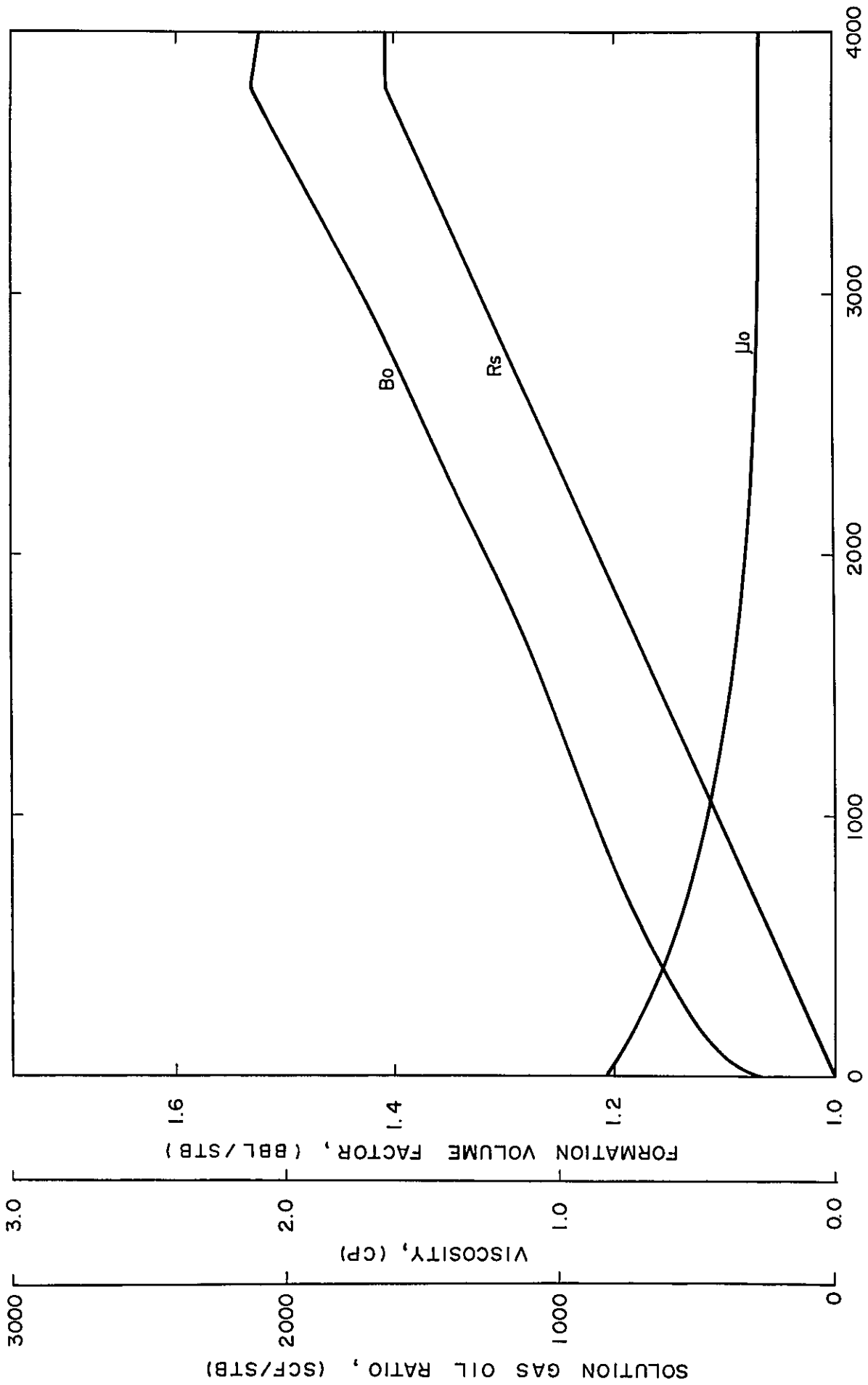


Fig. 5-3-14 OIL PROPERTIES OF WELL BK-5, BAKAU FIELD
Vol. IV

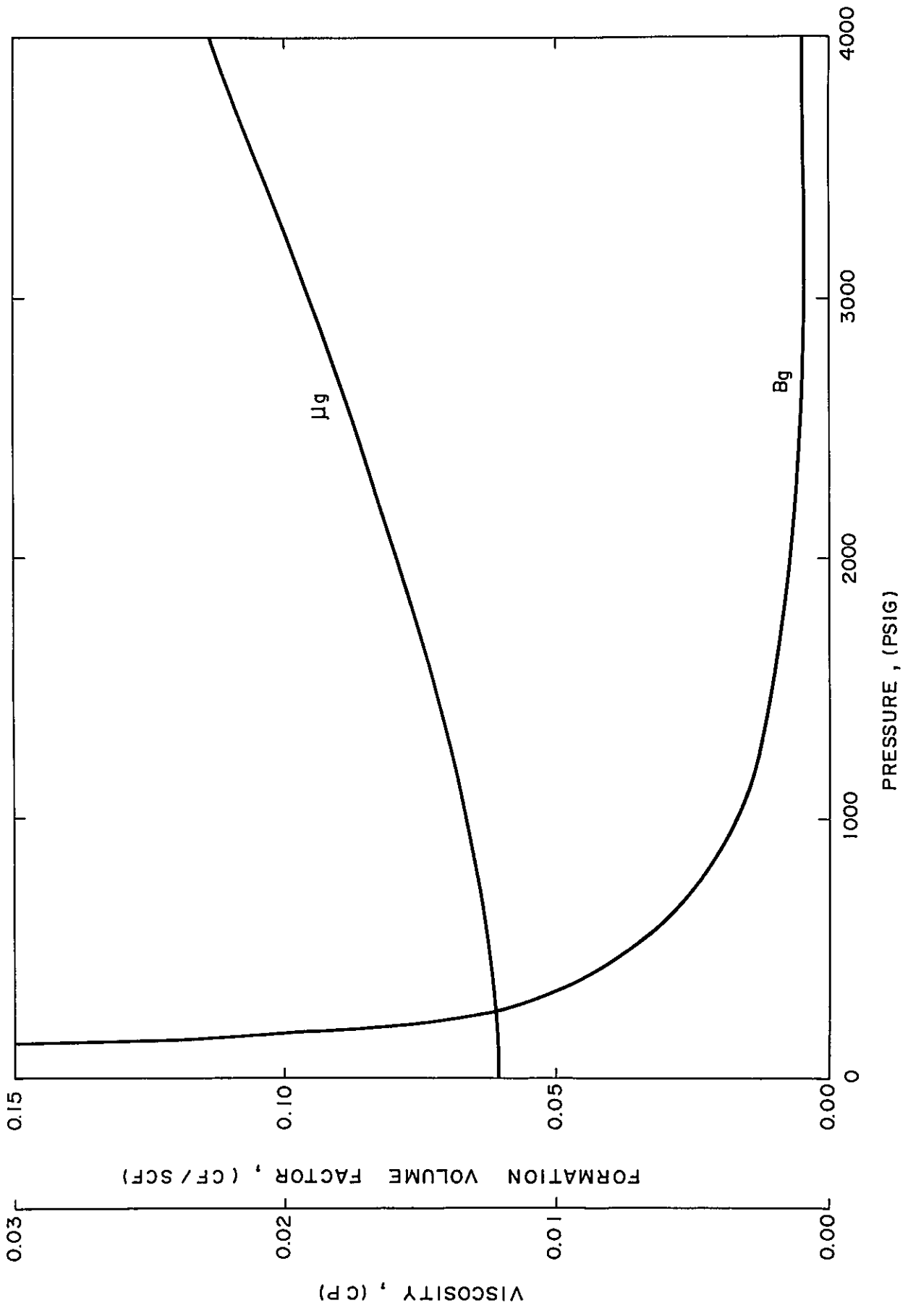


Fig. 5-3-15 GAS PROPERTIES OF WELL BK-3, BAKAU FIELD
Vol. IV

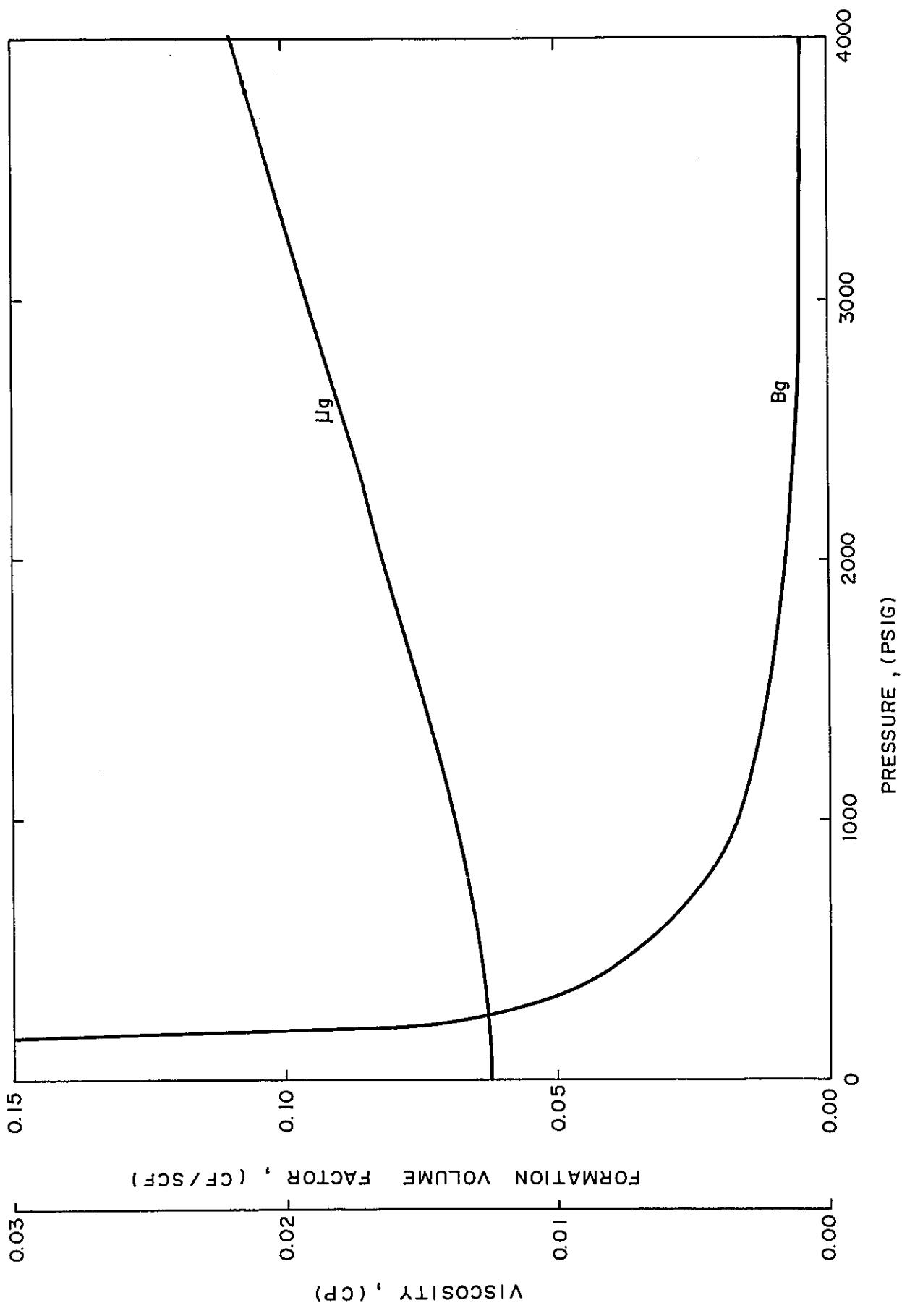


Fig. 5-3-16 GAS PROPERTIES OF WELL BK-4, BAKAU FIELD
Vol. IV

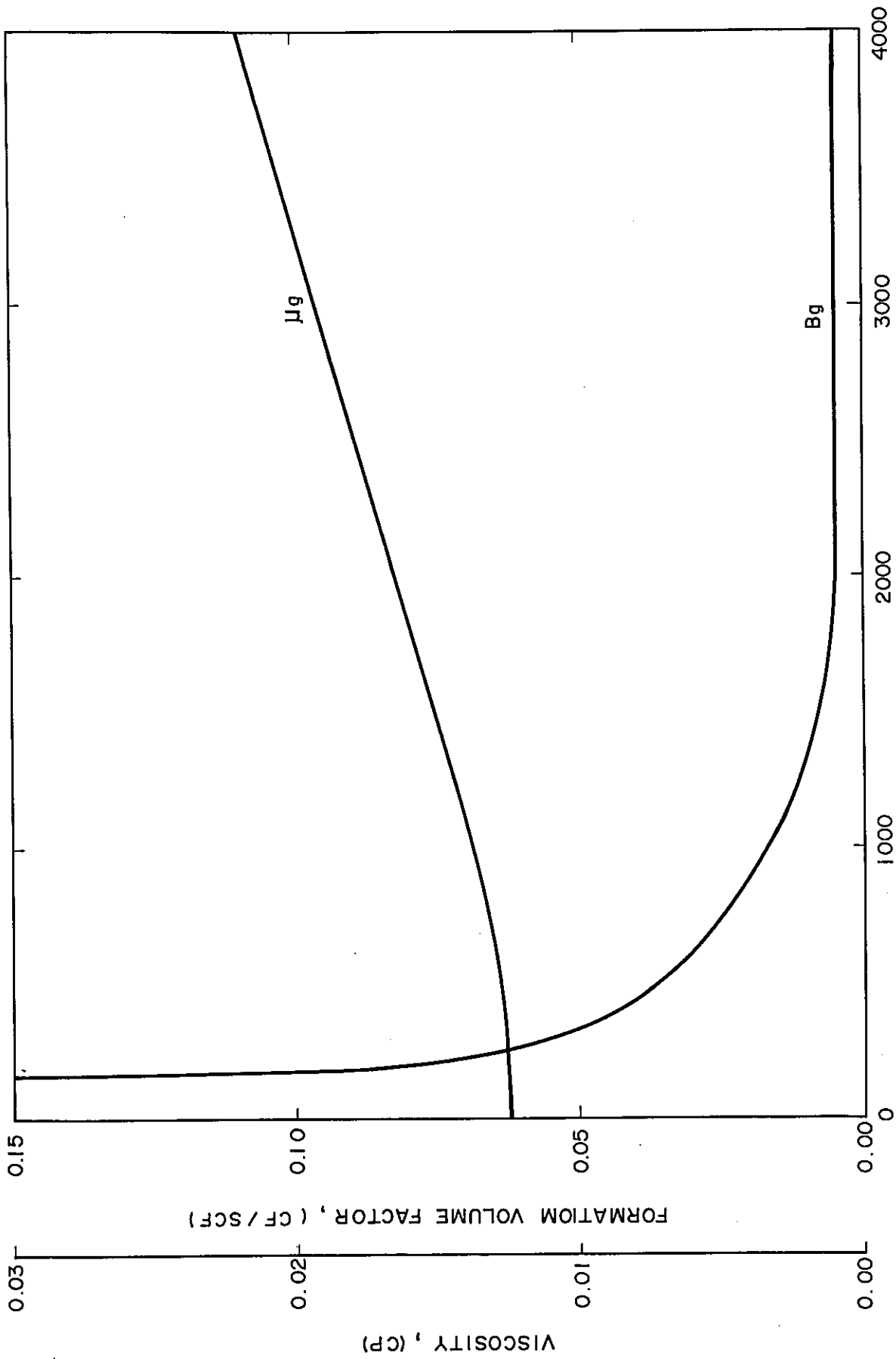


Fig. 5-3-17 GAS PROPERTIES OF WELL BK-5, BAKAU FIELD
Vol. IV

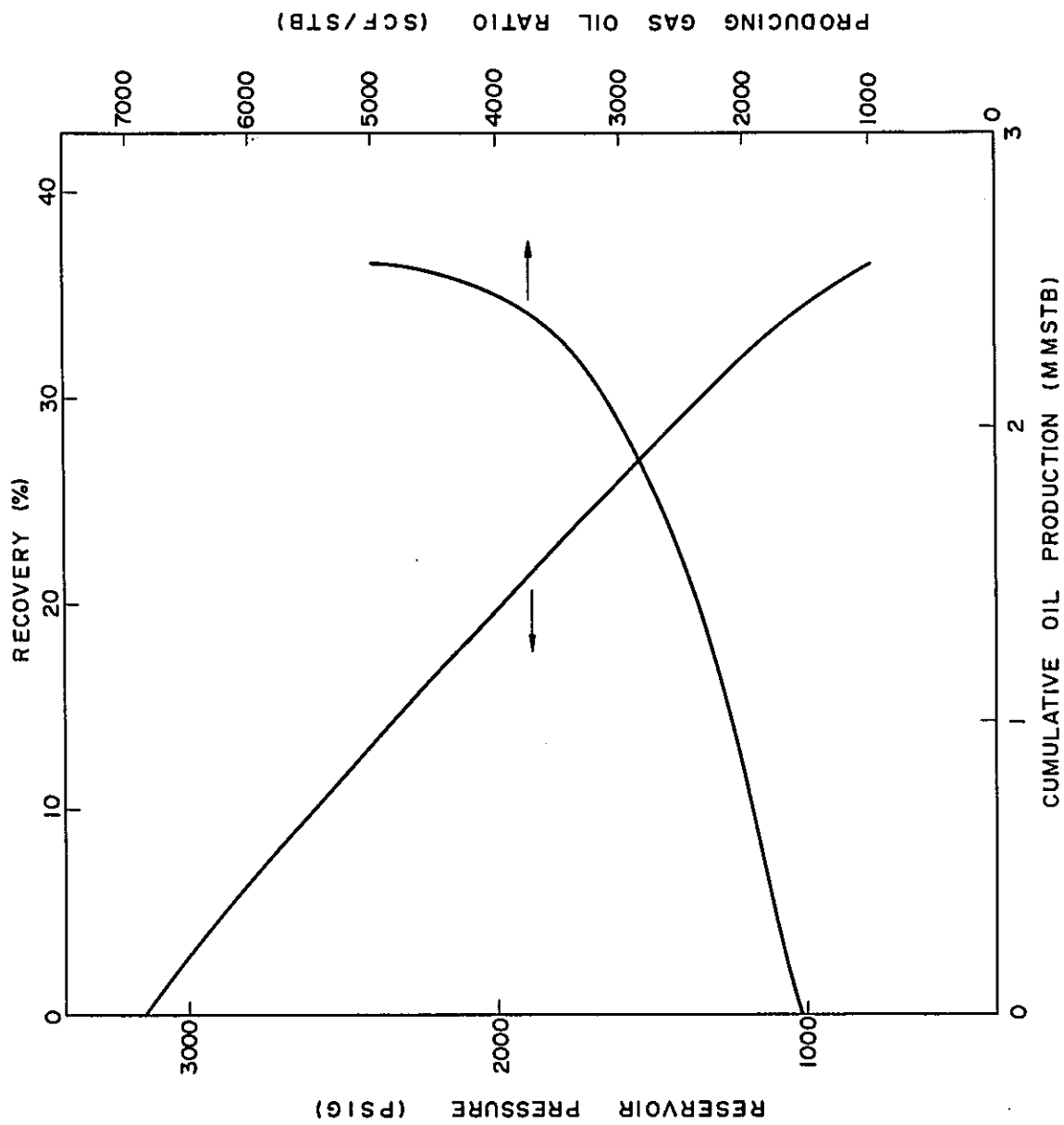


Fig. 5-3-18 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF WELL BK-3, BAKAU FIELD

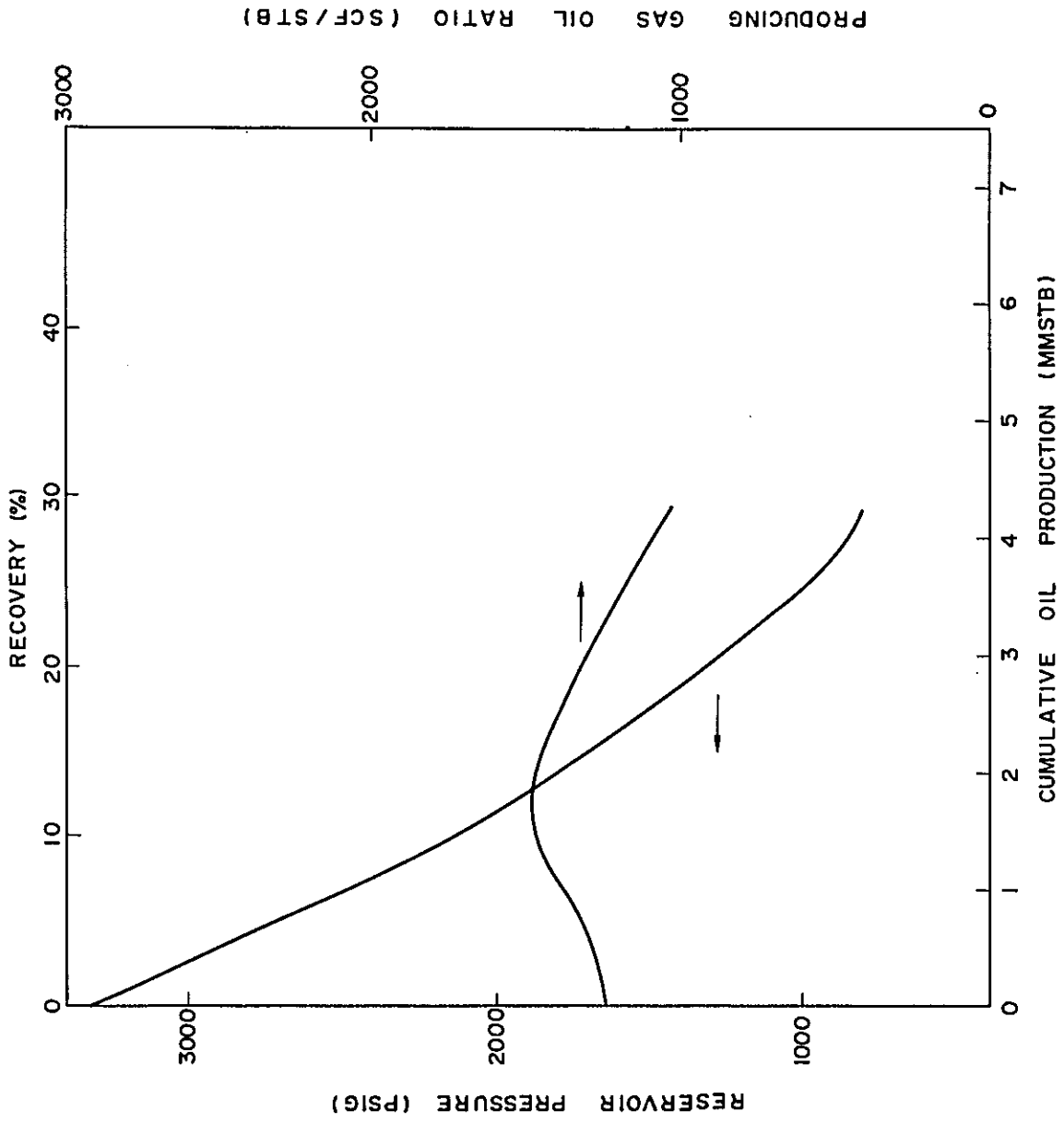


Fig. 5-3-19 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF WELL BK-4, BAKAU FIELD Vol. IV

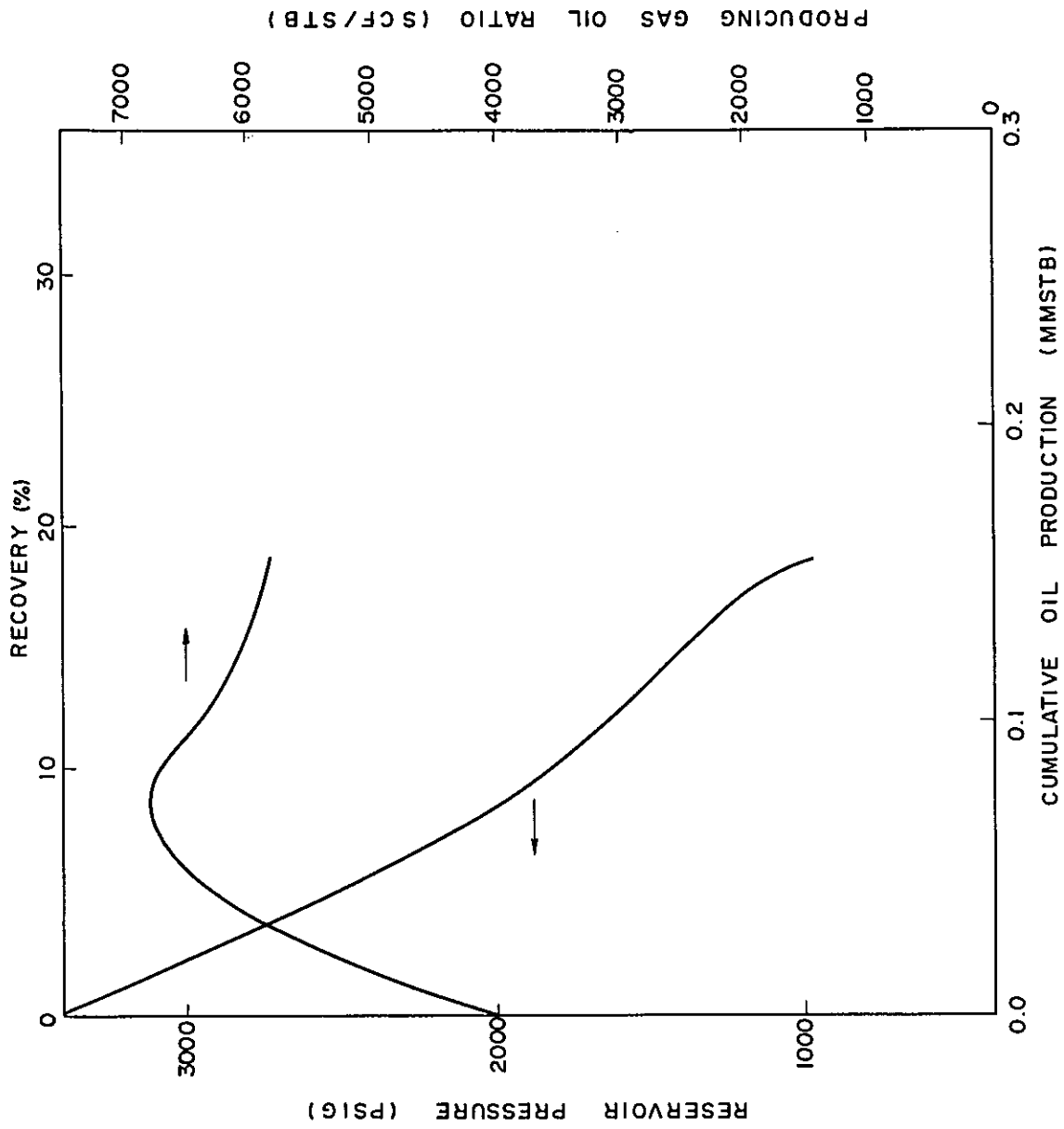


Fig. 5-3-20 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF WELL BK-5, BAKAU FIELD Vol. IV

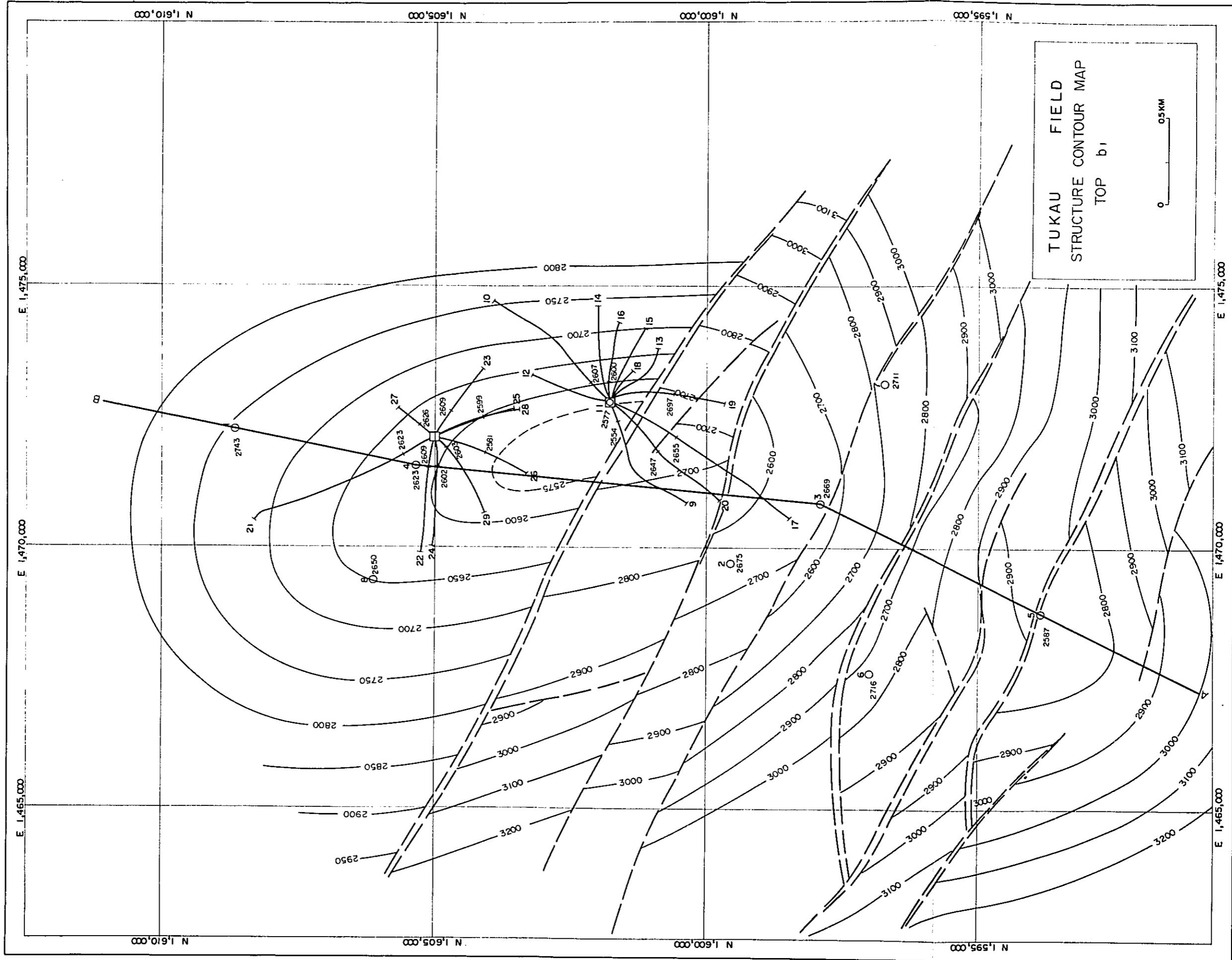


Fig. 6-2-1 STRUCTURE CONTOUR MAP, TUKAU FIELD, TOP b1
VOL. IV

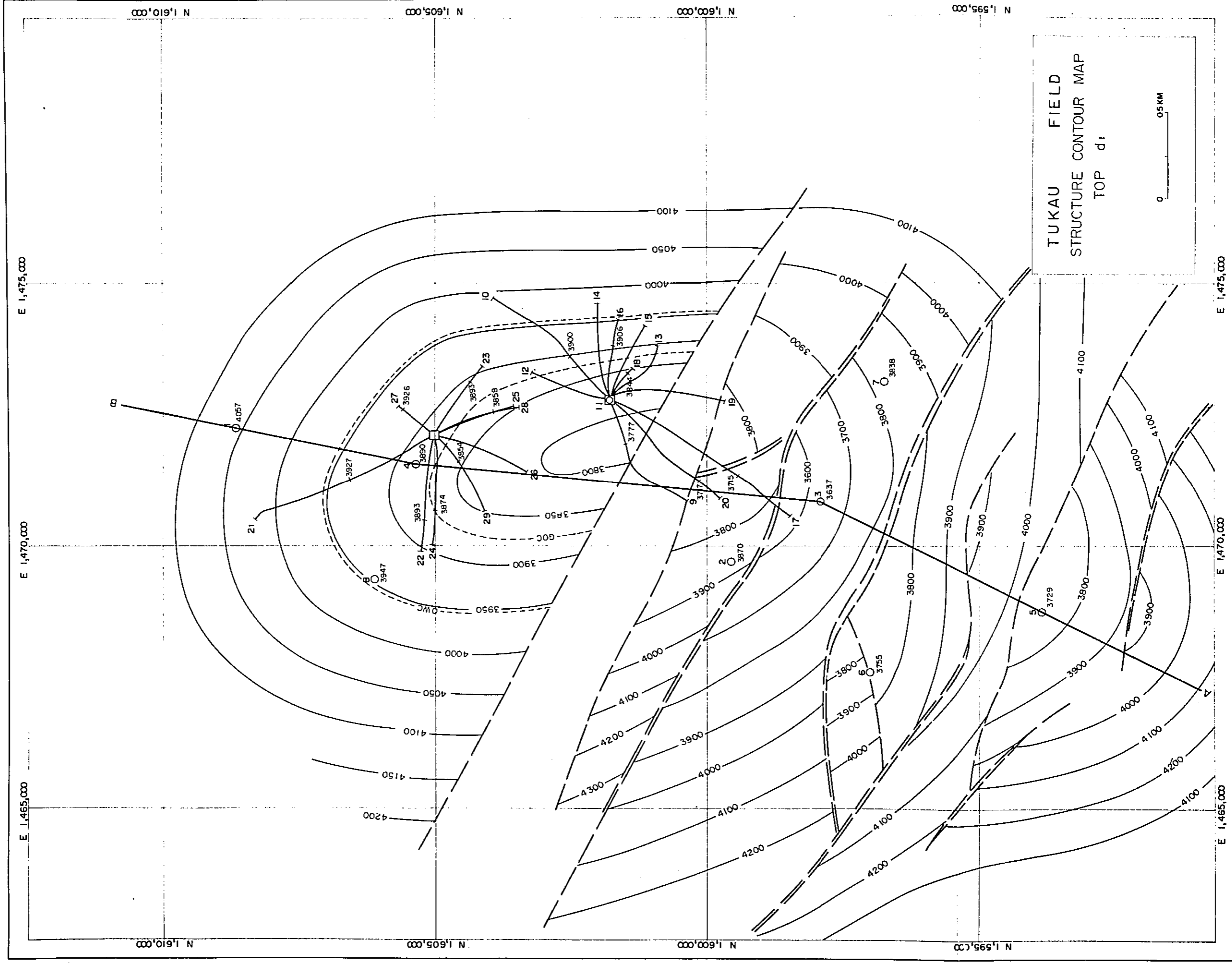


Fig. 6-2-2 STRUCTURE CONTOUR MAP, TUKAU FIELD, TOP d1
Vol. IV

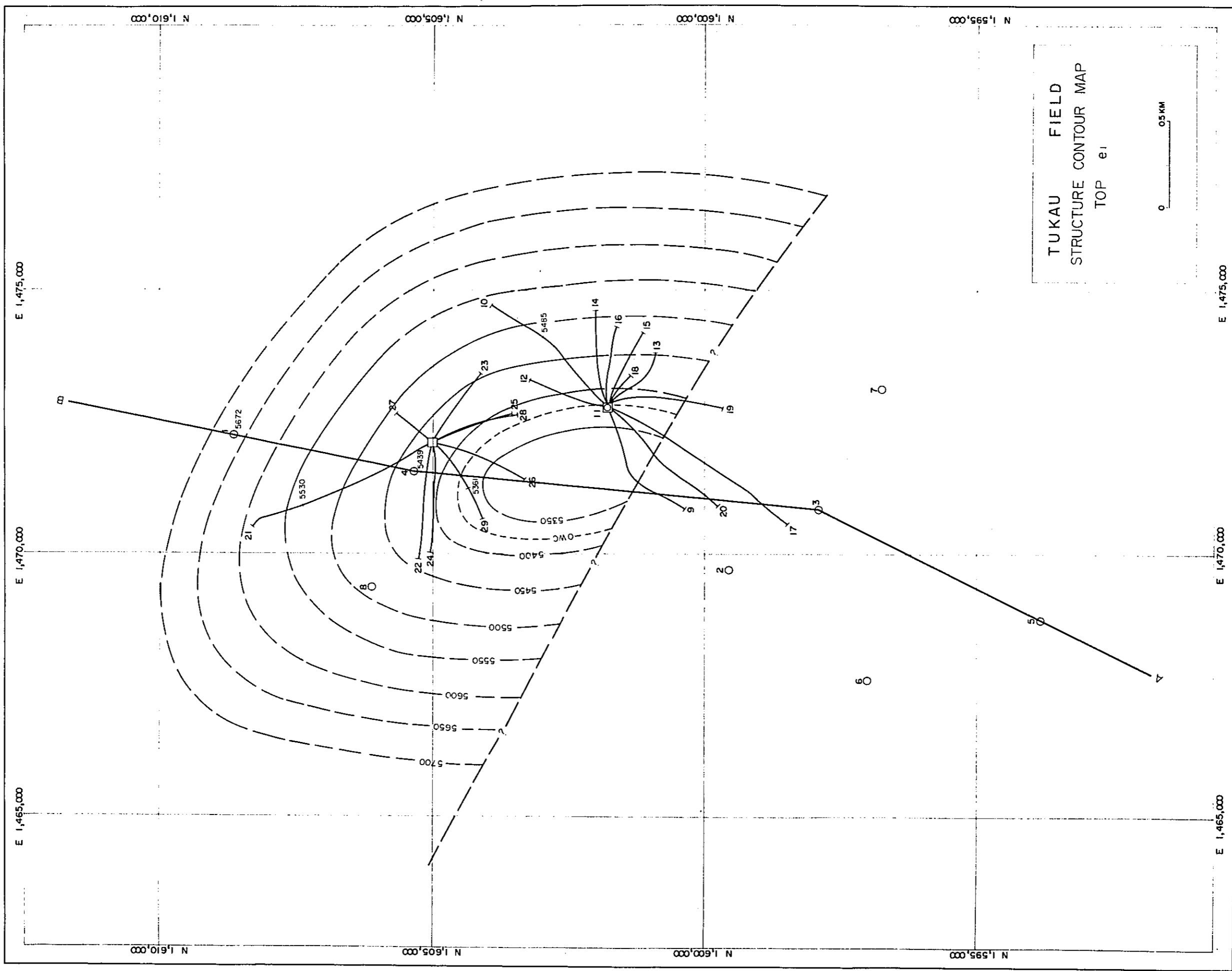


Fig. 6-2-3 STRUCTURE CONTOUR MAP, TUKAU FIELD, TOP e1
VOL. IV

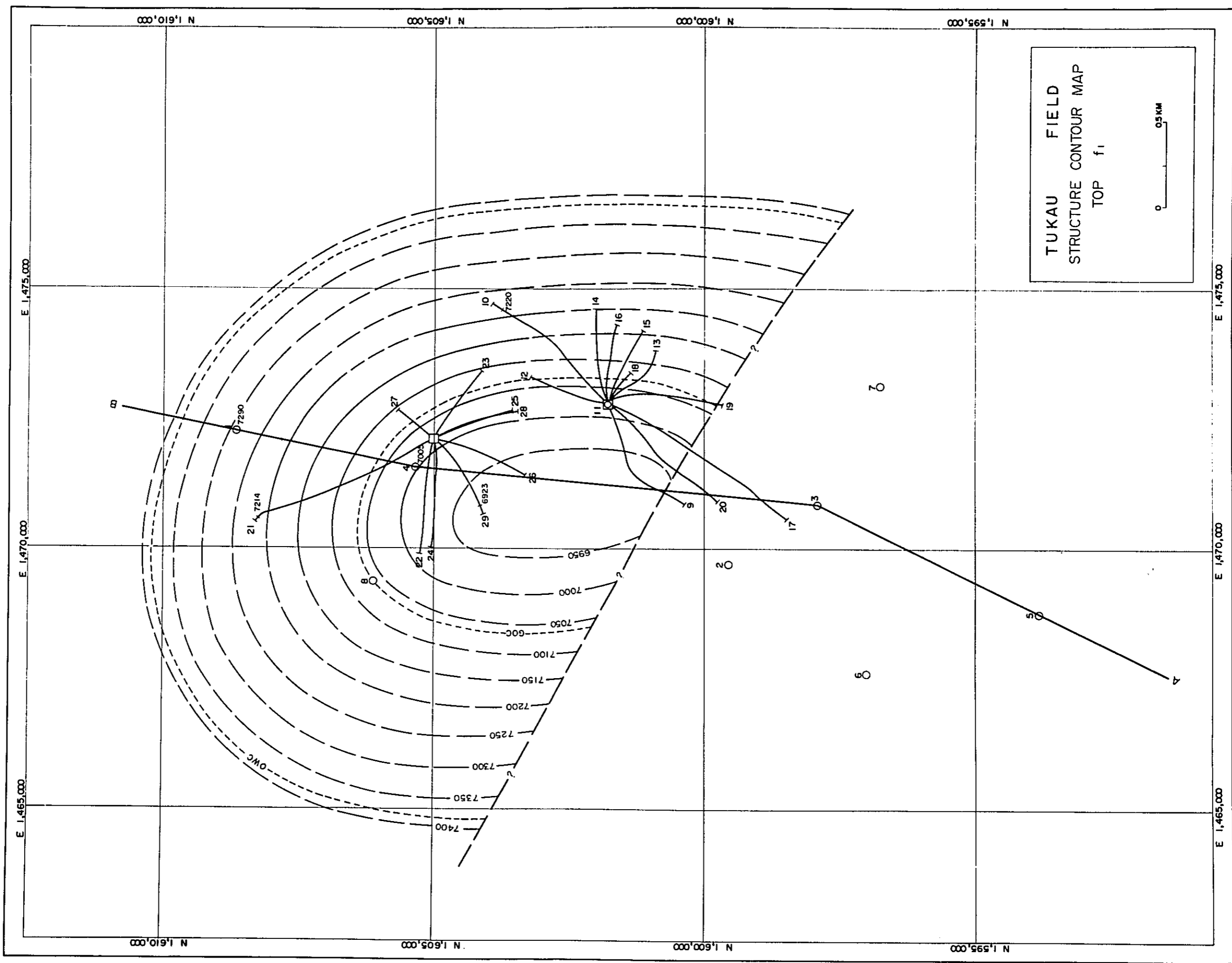


Fig. 6-2-4 STRUCTURE CONTOUR MAP, TUKAU FIELD, TOP f₁
Vol. IV

STRUCTURAL CROSS - SECTION
TUKAU FIELD

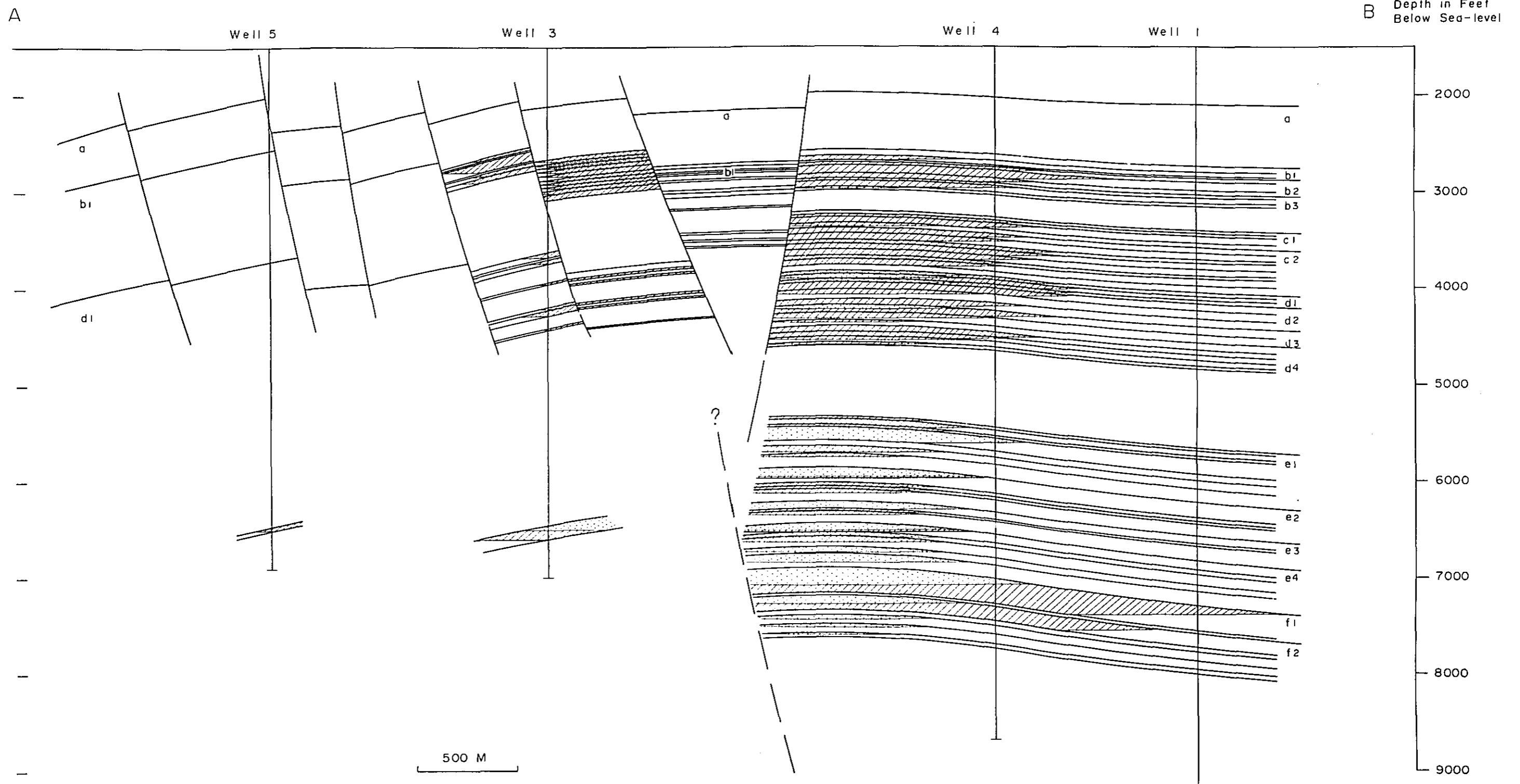
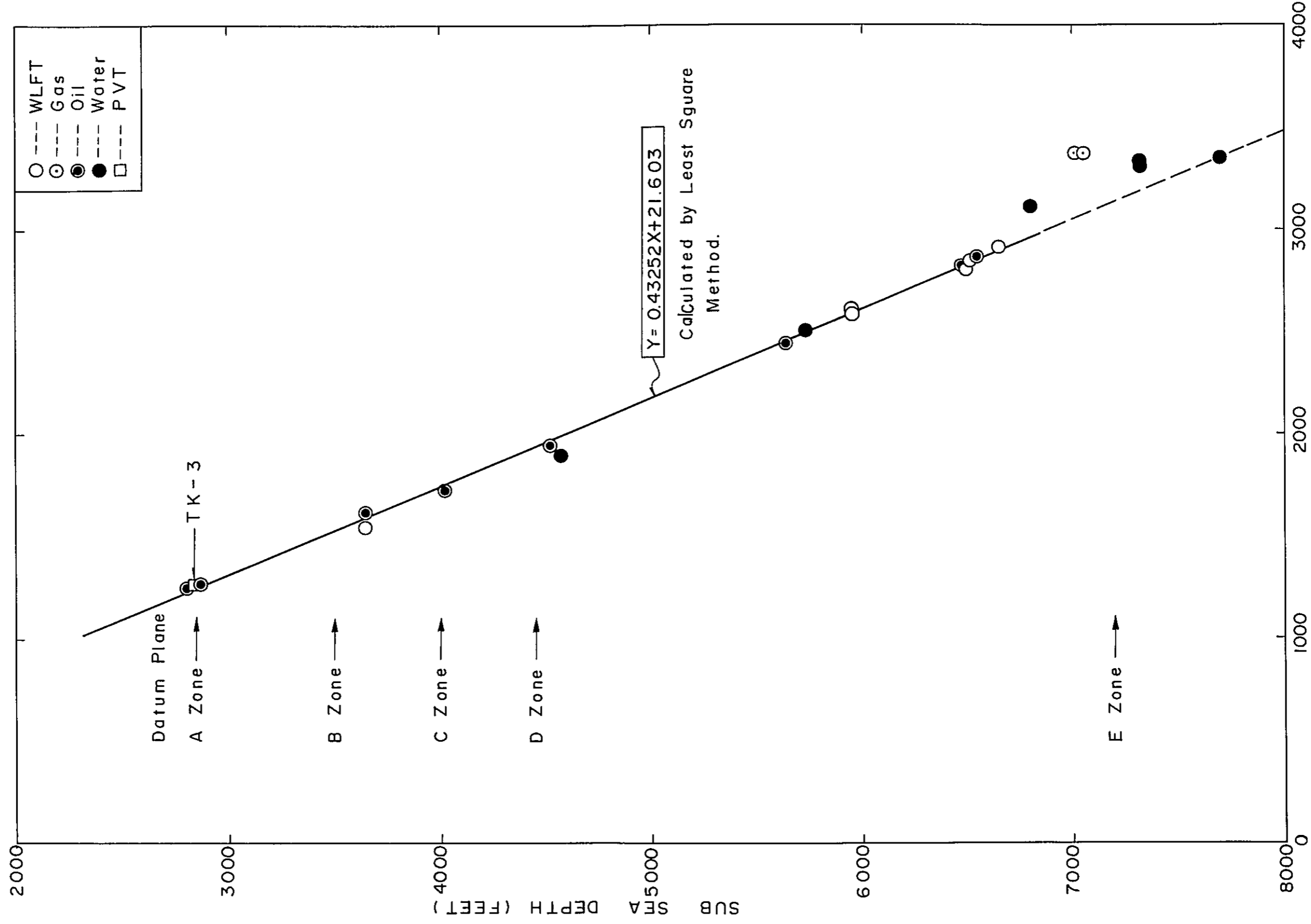


Fig. 6-2-5
Vol. IV

STRUCTURAL CROSS-SECTION, TUKAU FIELD



RESERVOIR PRESSURE (PSIG)

Fig. 6-3-1 RESERVOIR PRESSURE VS. DEPTH, TUKAU FIELD
Vol. IV

Fig. 6-3-2

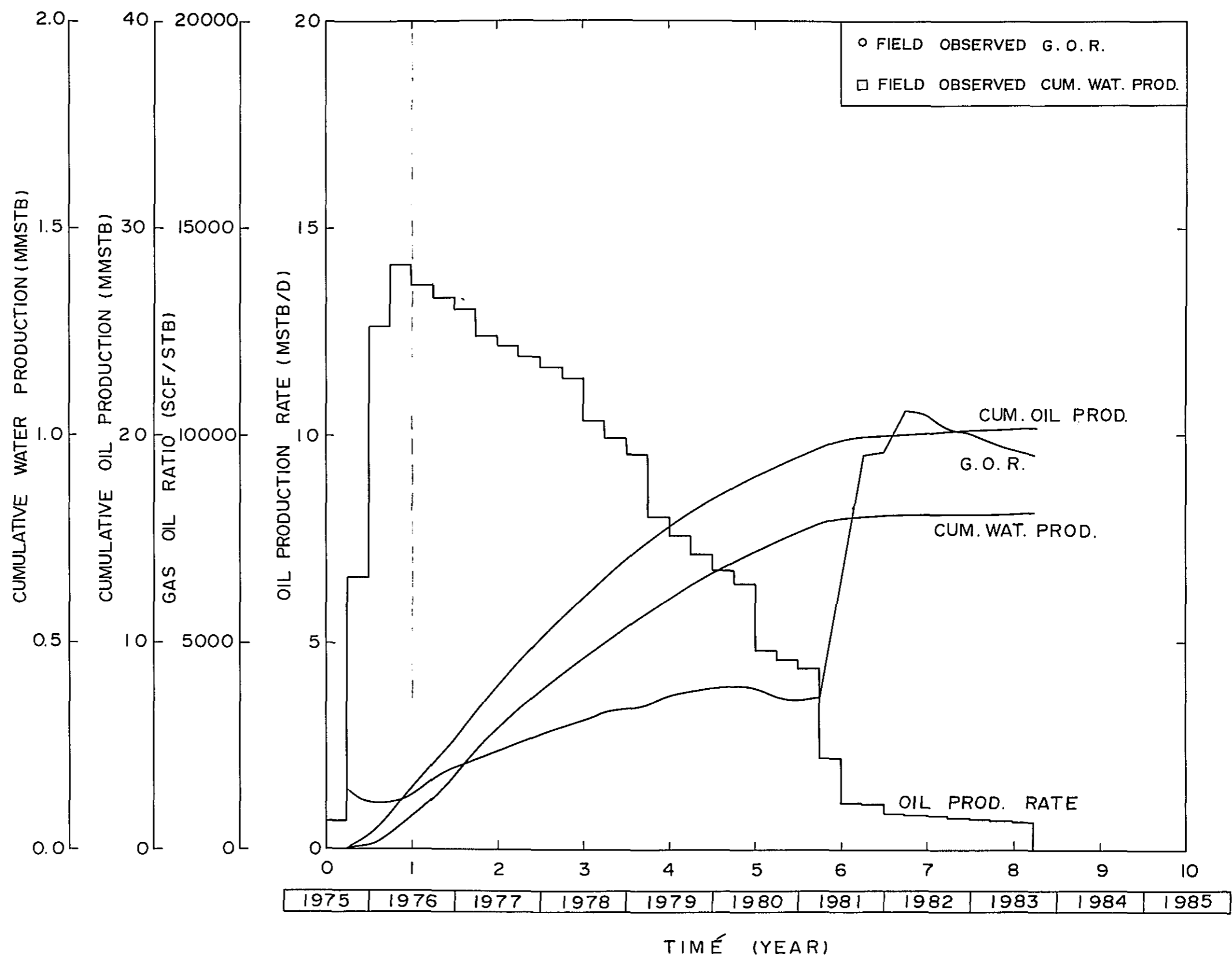


Fig. 6-3-2
Vol. IV

PREDICTED PERFORMANCE OF TUKAU FIELD

Fig. 6-3-3

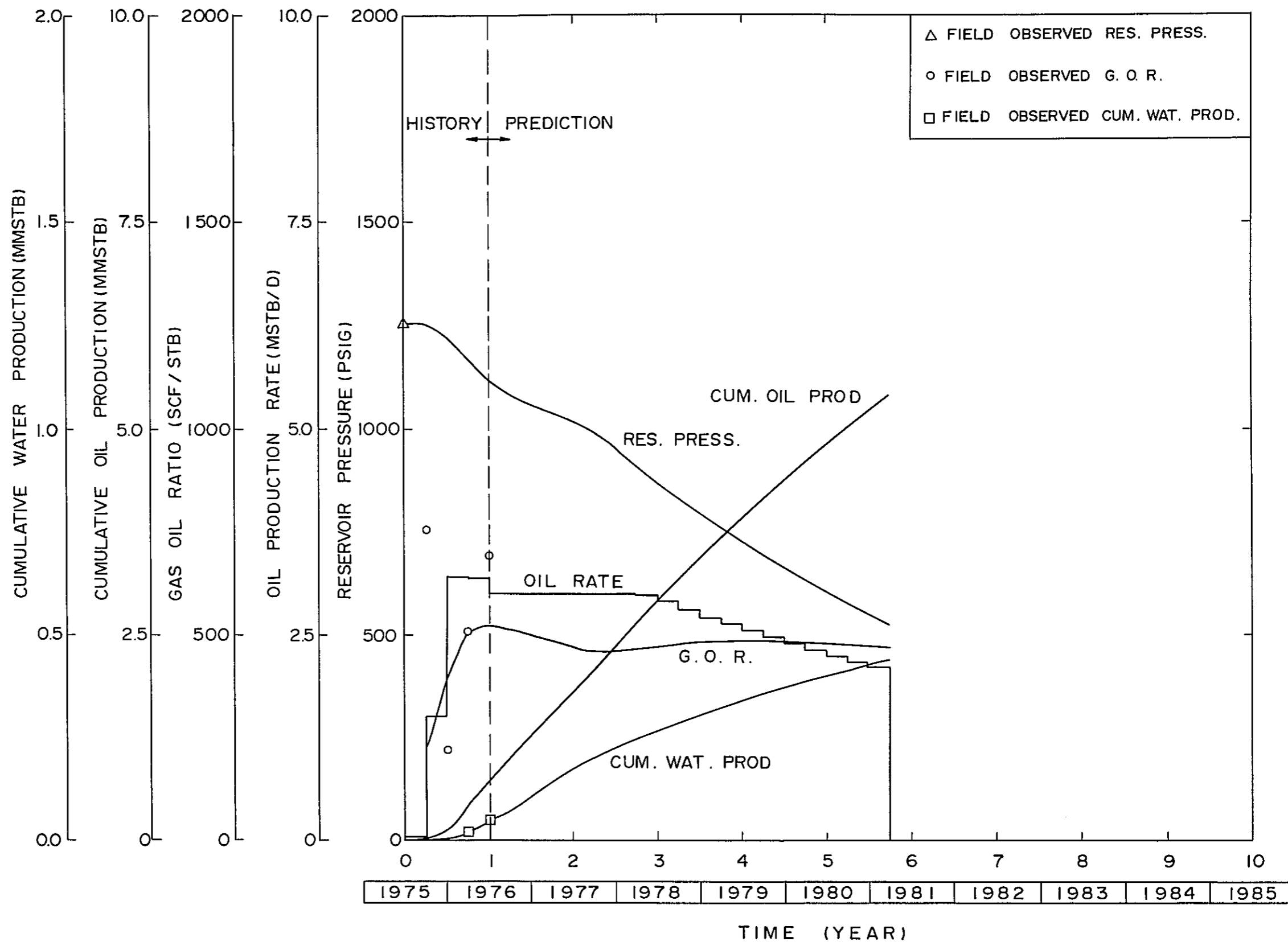


Fig. 6-3-3
Vol. IV

PREDICTED PERFORMANCE OF MODEL-1, TUKAU FIELD

Fig. 6-3-4

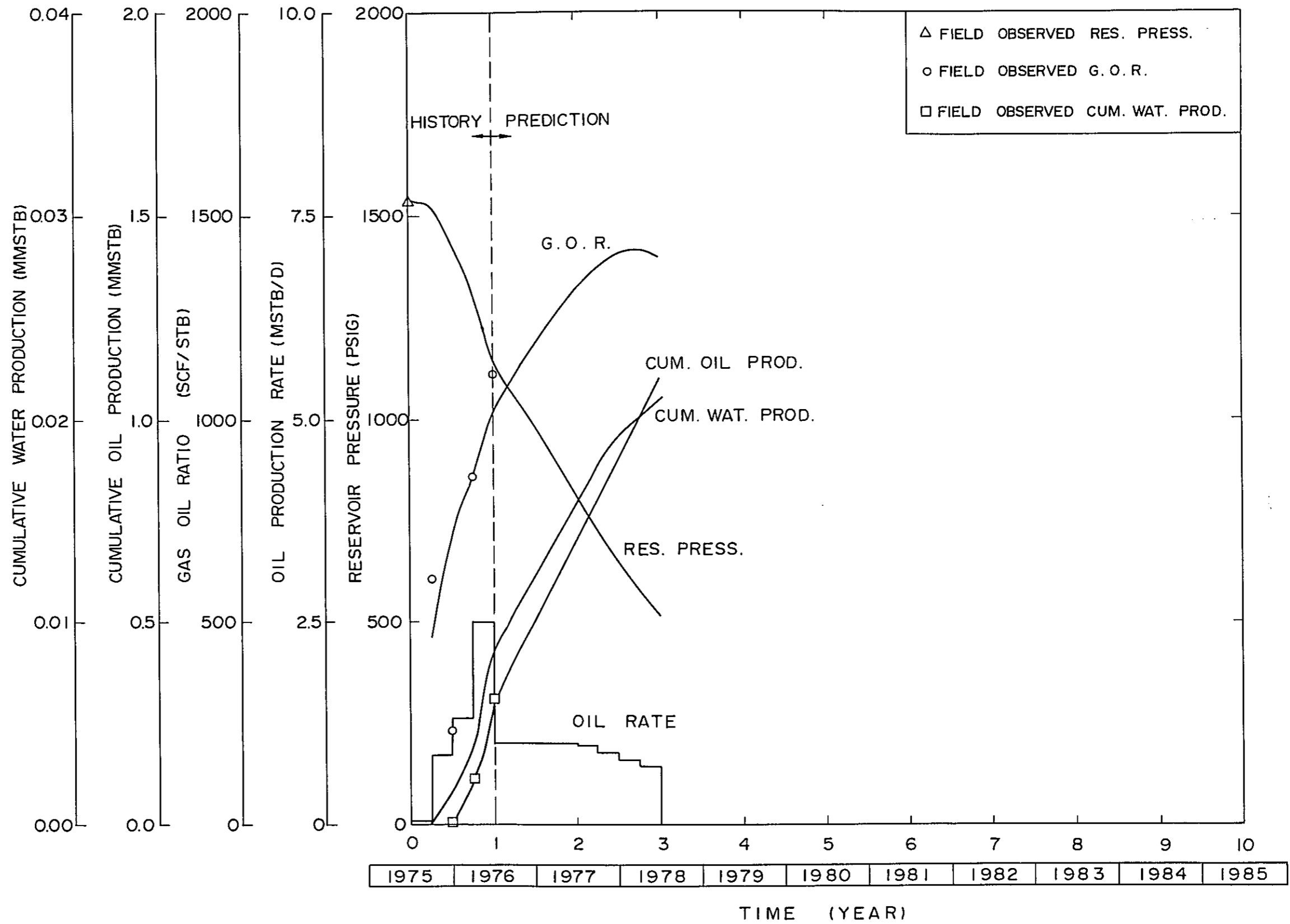


Fig. 6-3-4
Vol. IV

PREDICTED PERFORMANCE OF MODEL-2, TUKAU FIELD

Fig. 6-3-5

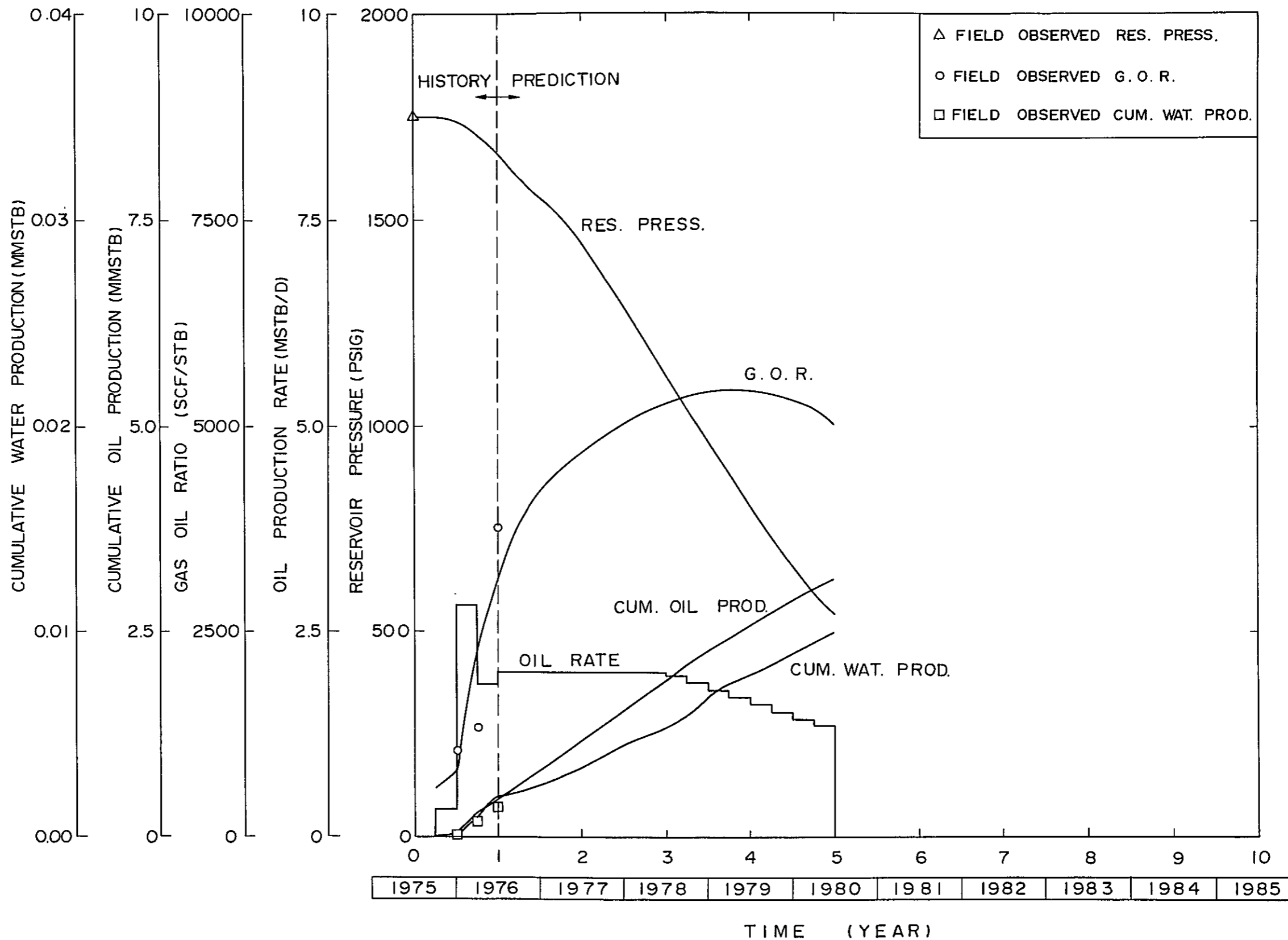


Fig. 6-3-5
Vol. IV

PREDICTED PERFORMANCE OF MODEL-3, TUKAU FIELD

Fig. 6-3-6

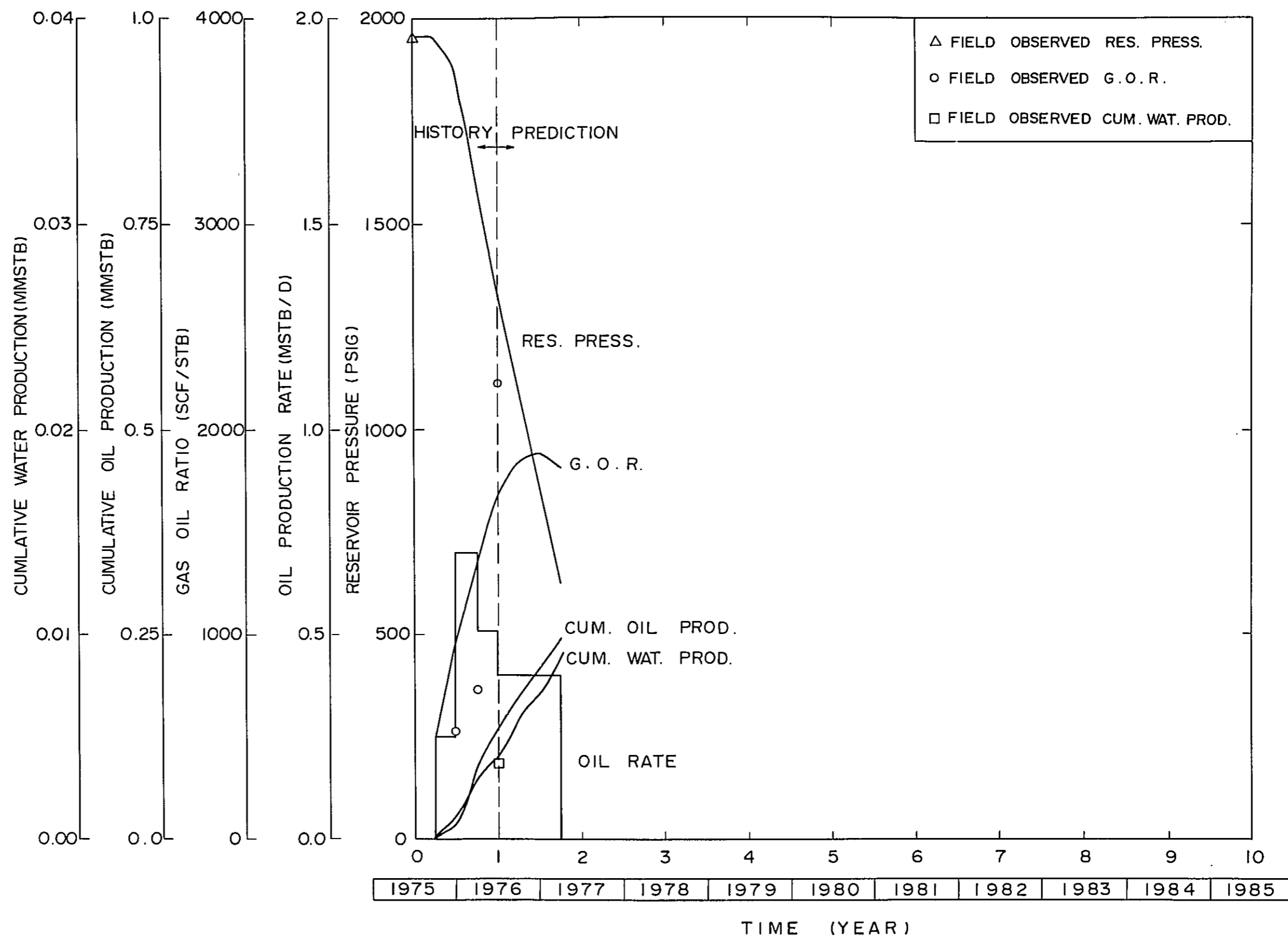


Fig. 6-3-6
Vol. IV

PREDICTED PERFORMANCE OF MODEL-4, TUKAU FIELD

Fig. 6-3-7

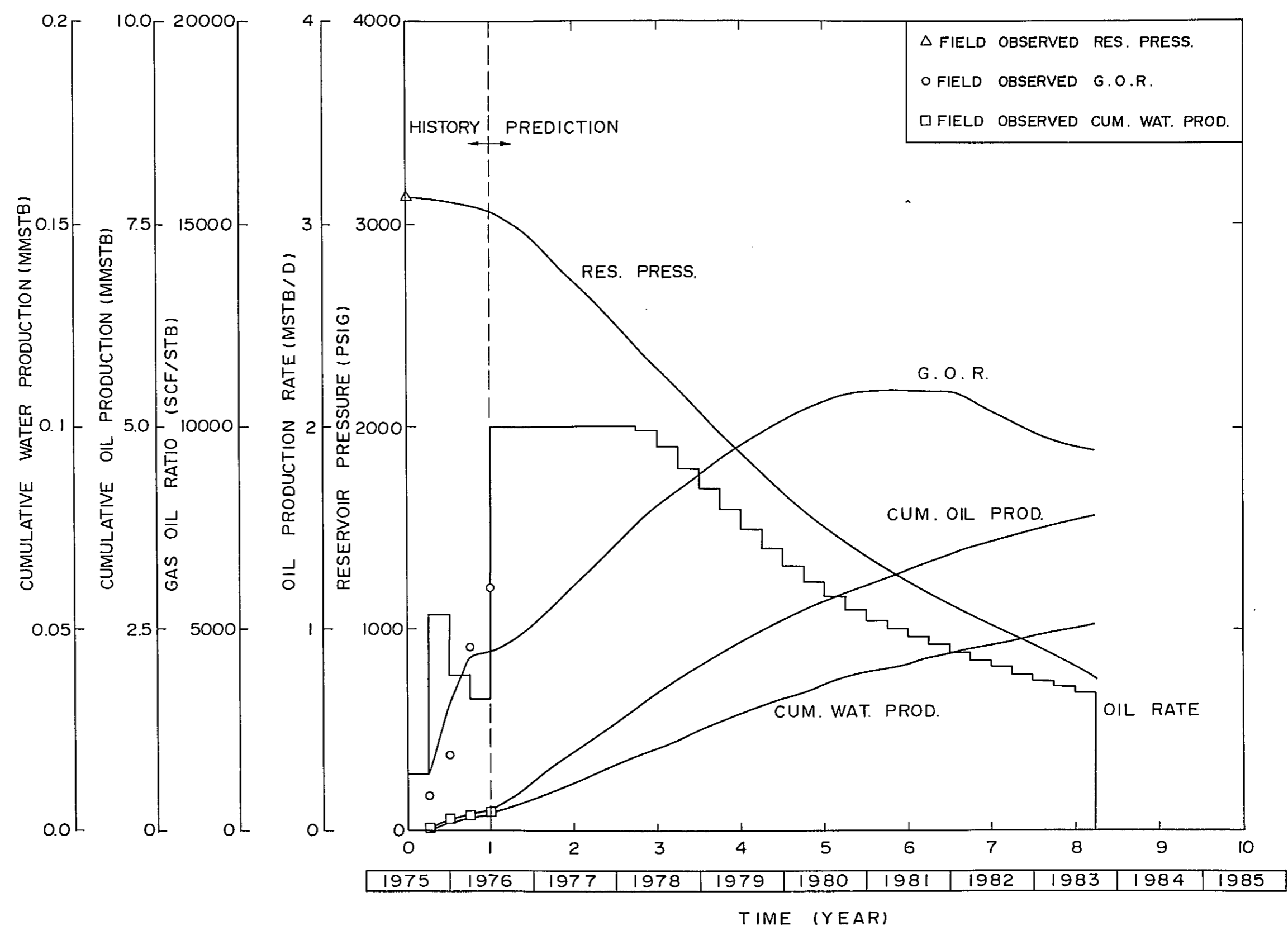


Fig. 6-3-7
Vol. IV

PREDICTED PERFORMANCE OF MODEL-5, TUKAU FIELD

Fig. 6-3-8

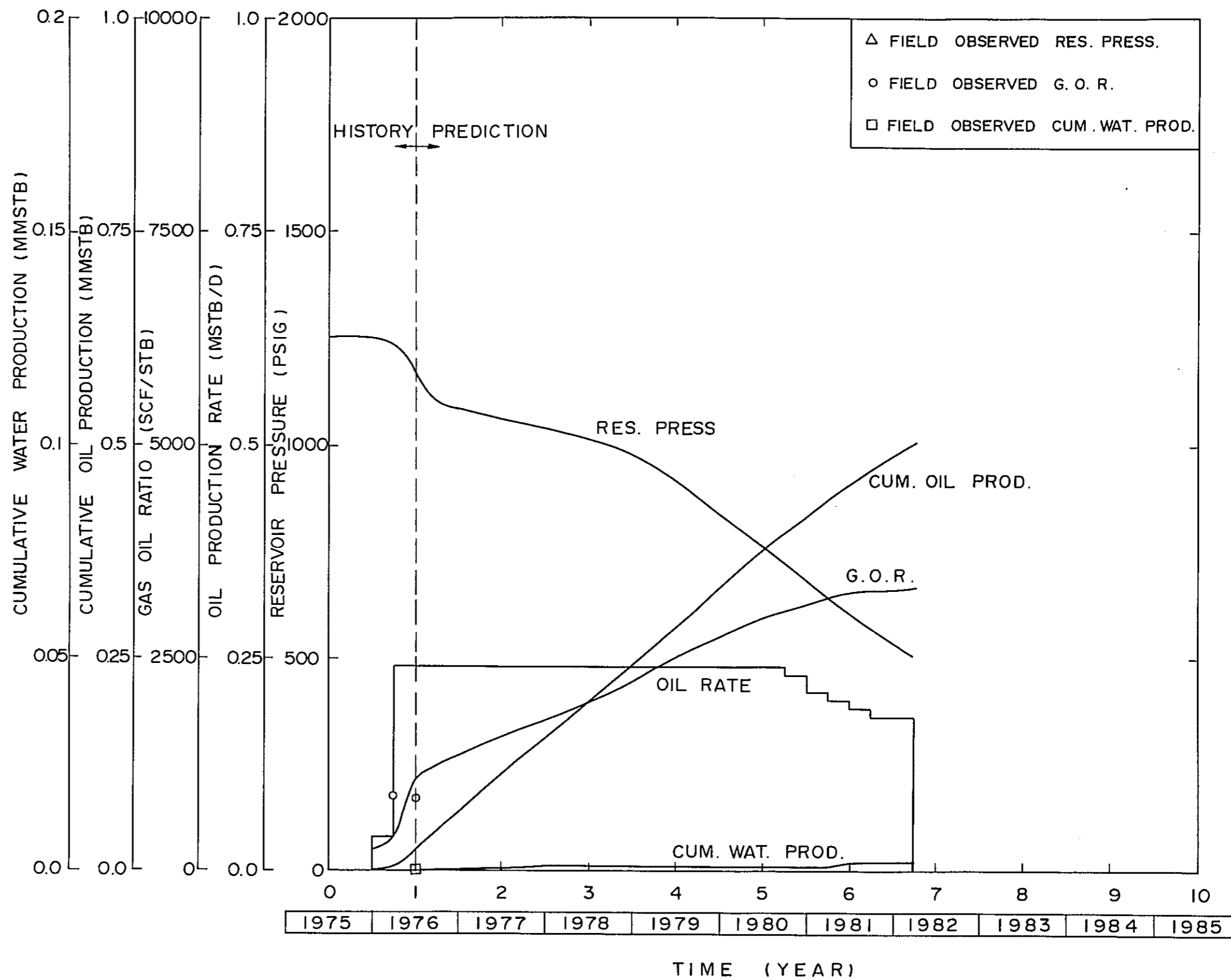


Fig. 6-3-8
Vol. IV

PREDICTED PERFORMANCE OF MODEL-6, TUKAU FIELD

Fig. 6-3-9

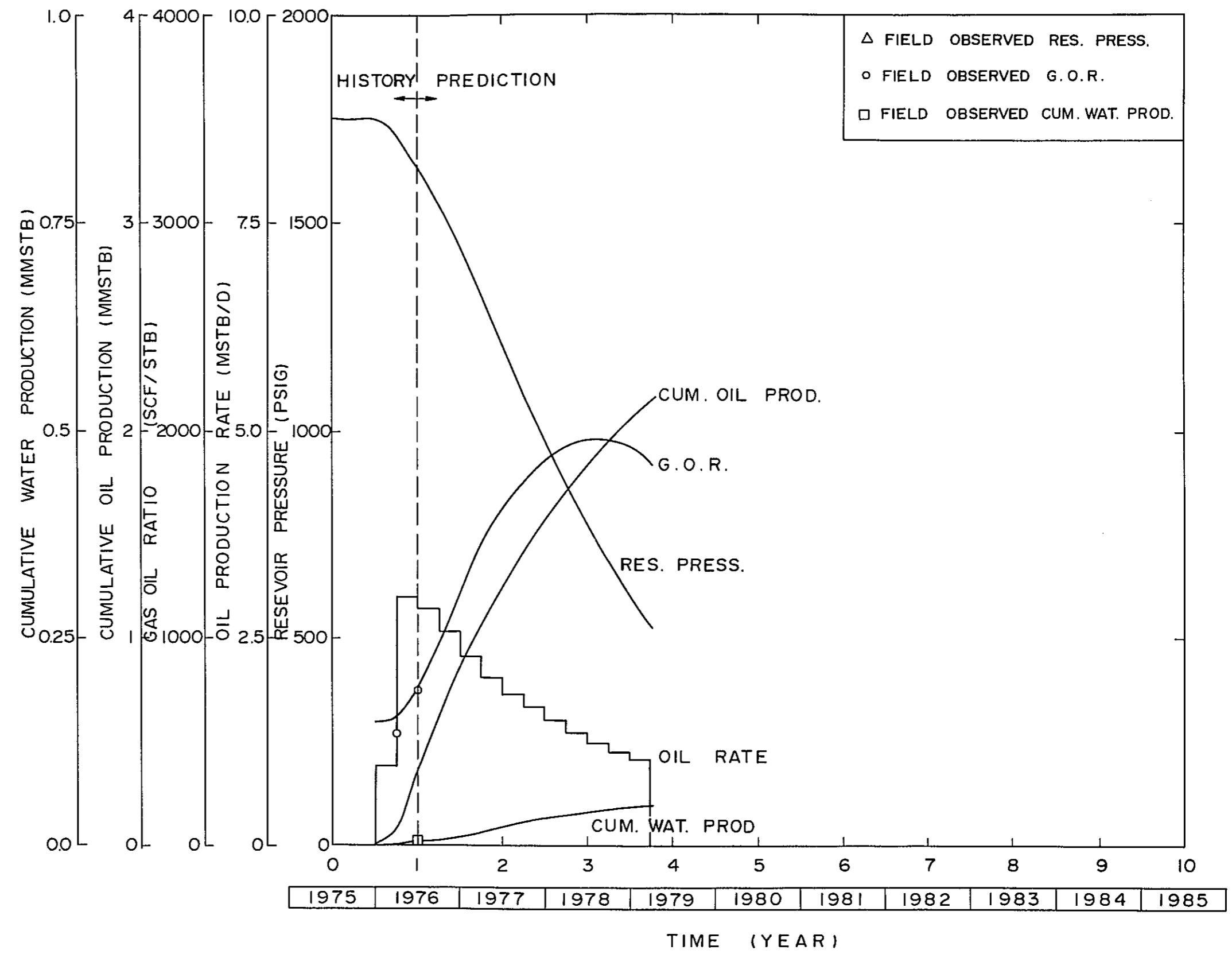


Fig. 6-3-9
Vol. IV

PREDICTED PERFORMANCE OF MODEL-7, TUKAU FIELD

Fig. 6-3-10

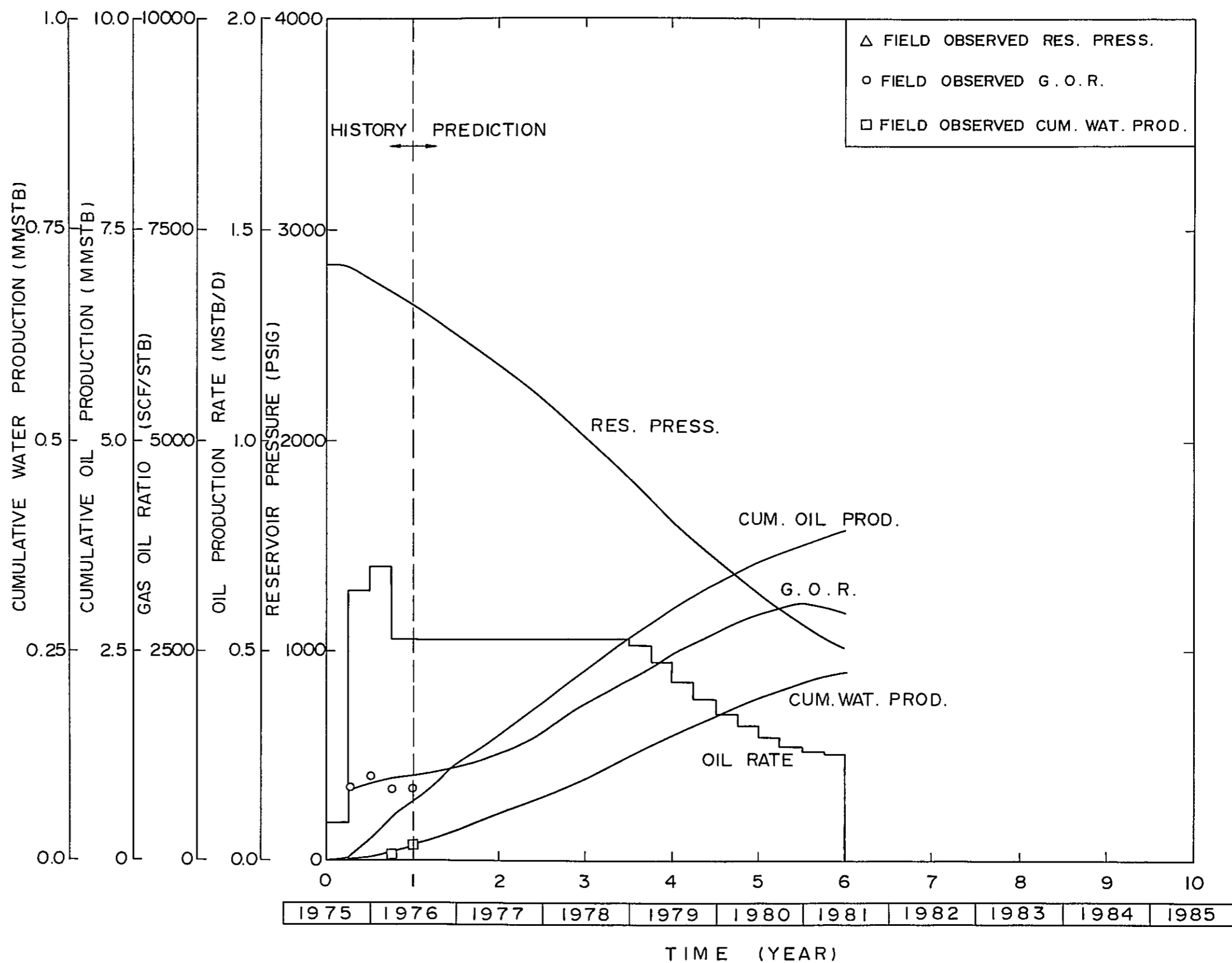


Fig. 6-3-10
Vol. IV

PREDICTED PERFORMANCE OF MODEL-8, TUKAU FIELD

Fig. 6-3-11

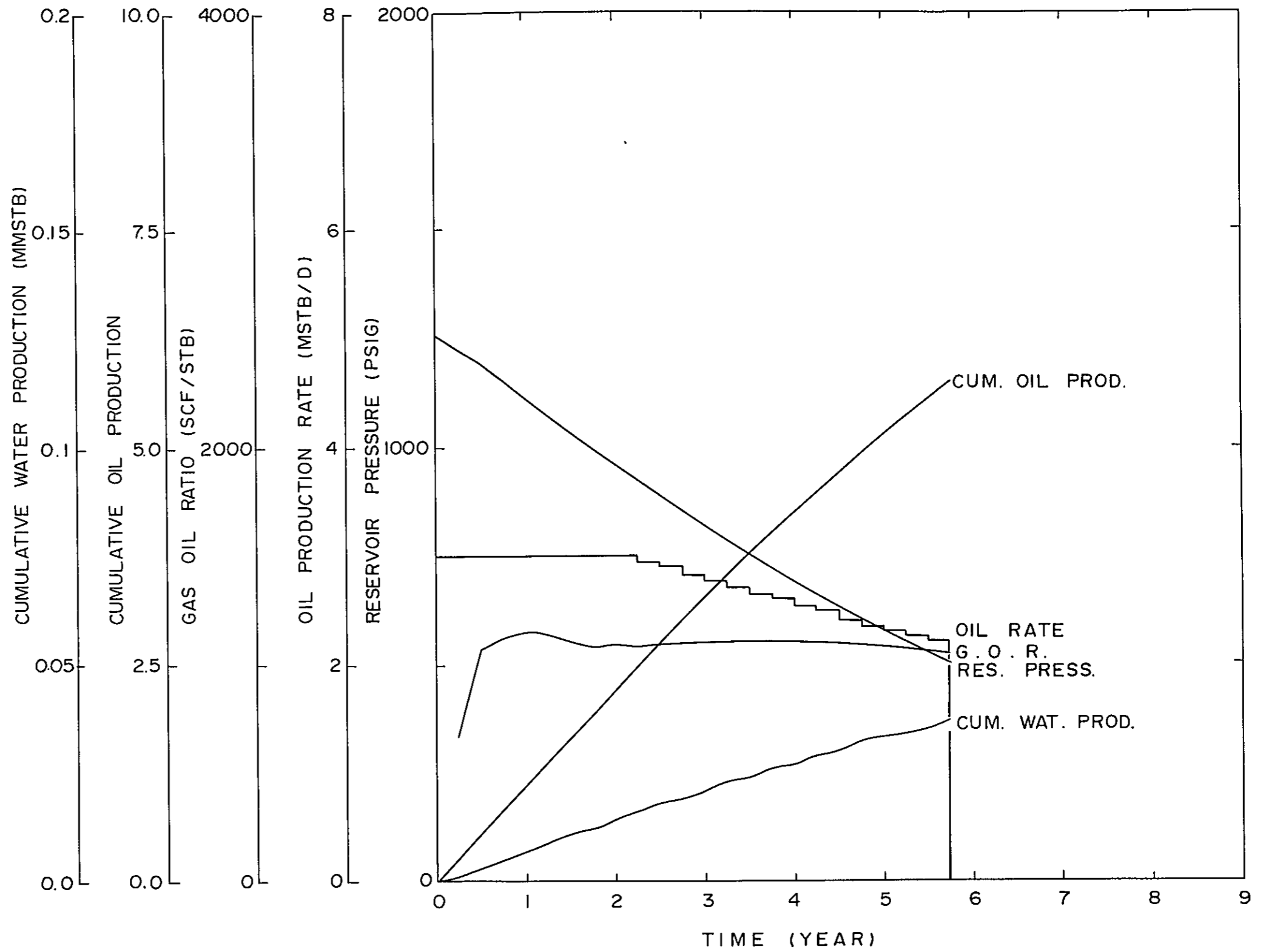


Fig. 6-3-11
Vol. IV

PREDICTED PERFORMANCE OF MODEL-9, TUKAU FIELD

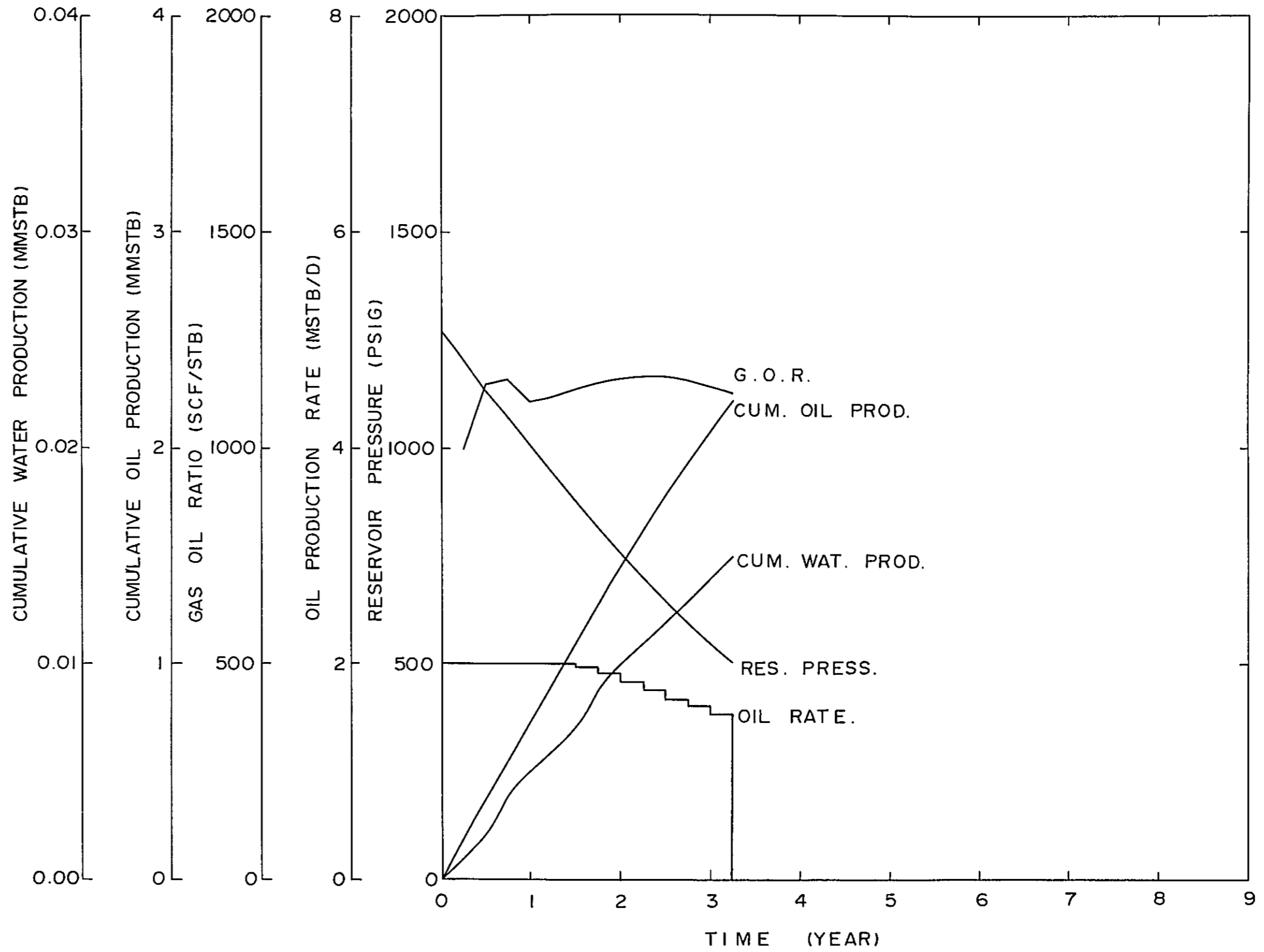


Fig. 6-3-12
Vol. IV

PREDICTED PERFORMANCE OF MODEL-10, TUKAU FIELD

Fig. 6-3-13

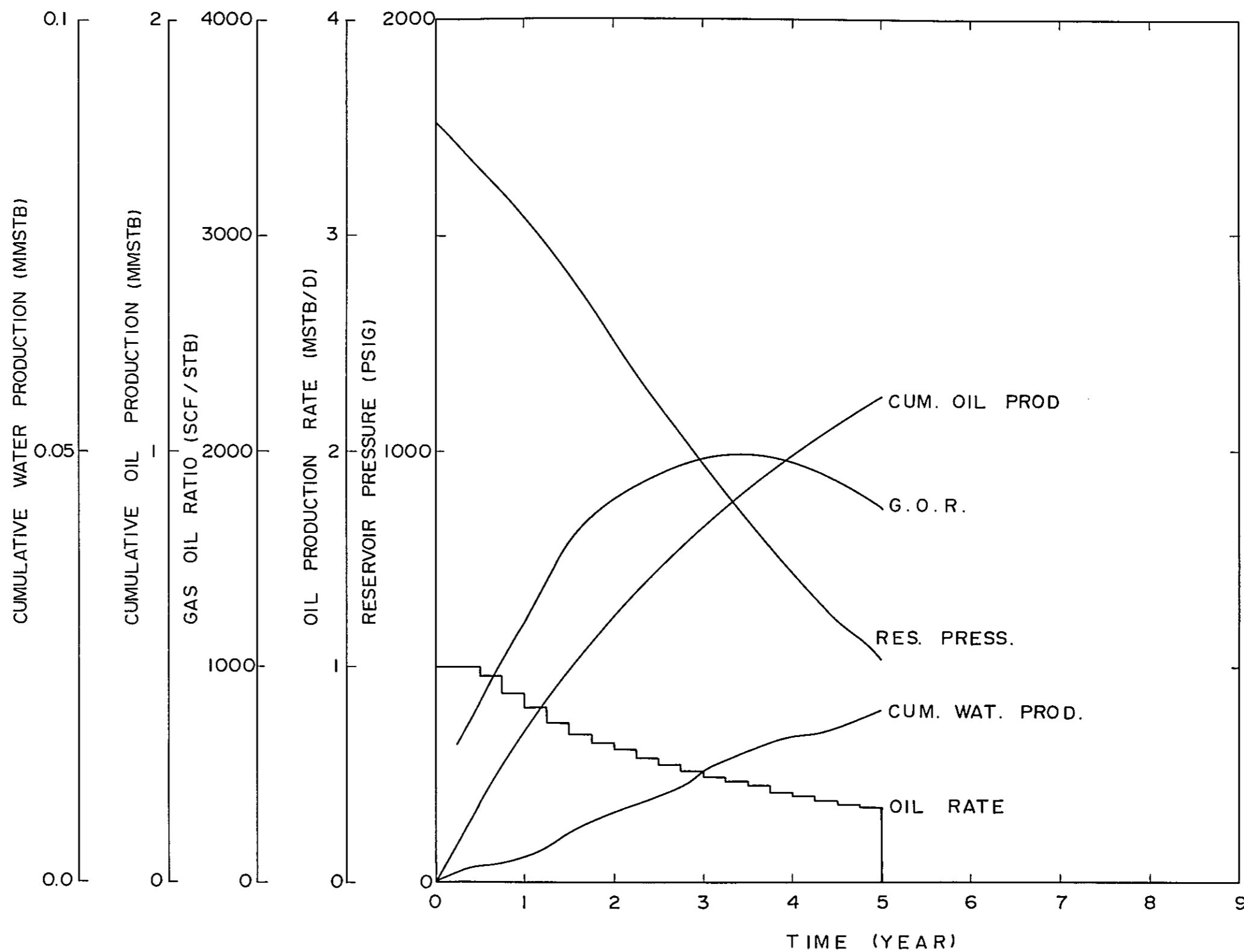


Fig. 6-3-13
Vol. IV

PREDICTED PERFORMANCE OF MODEL-11, TUKAU FIELD

Fig. A-139-14 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 1, TUKAU FIELD

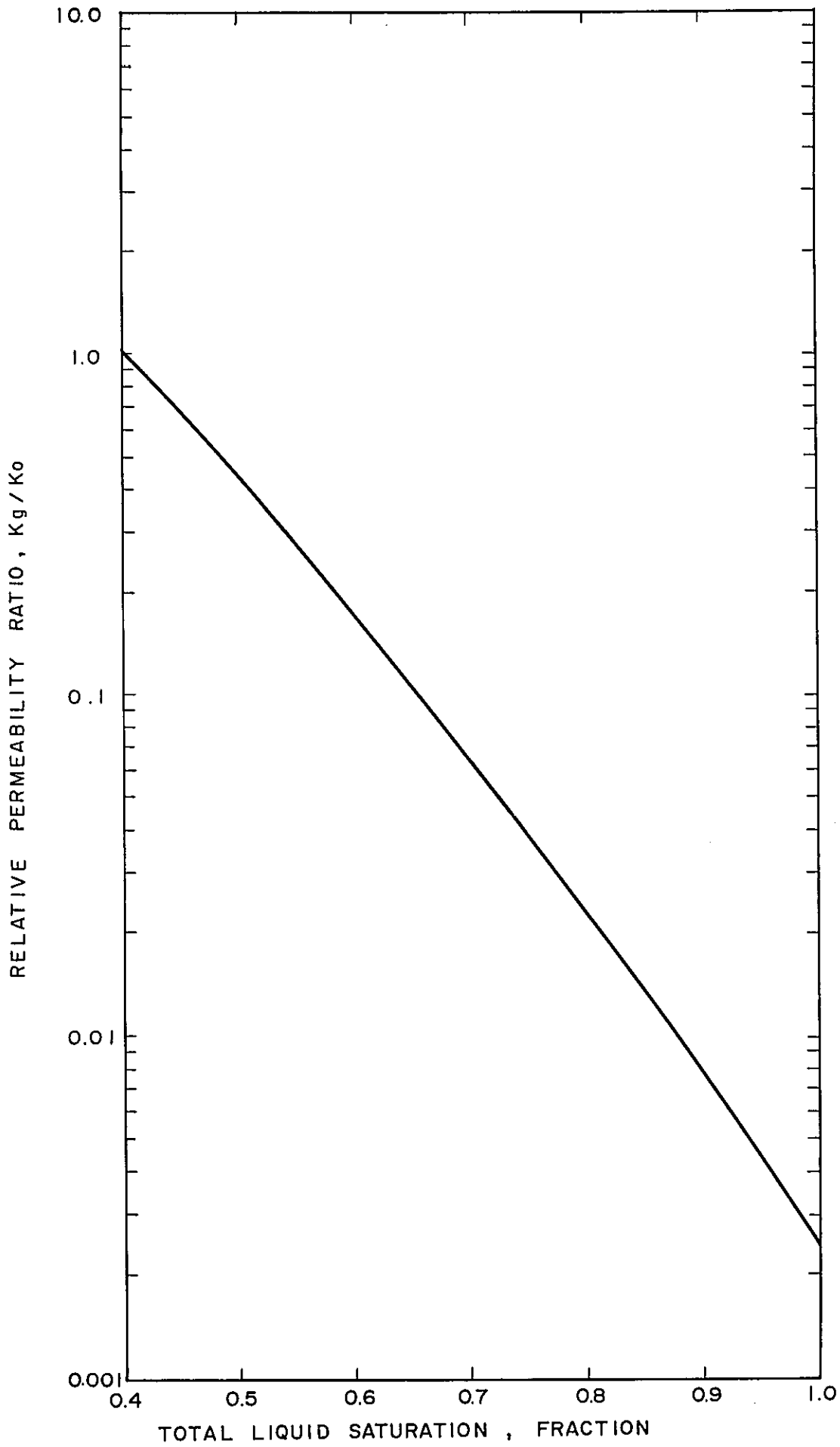


Fig. 6-3-14 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 1, TUKAU FIELD
VOL. IV

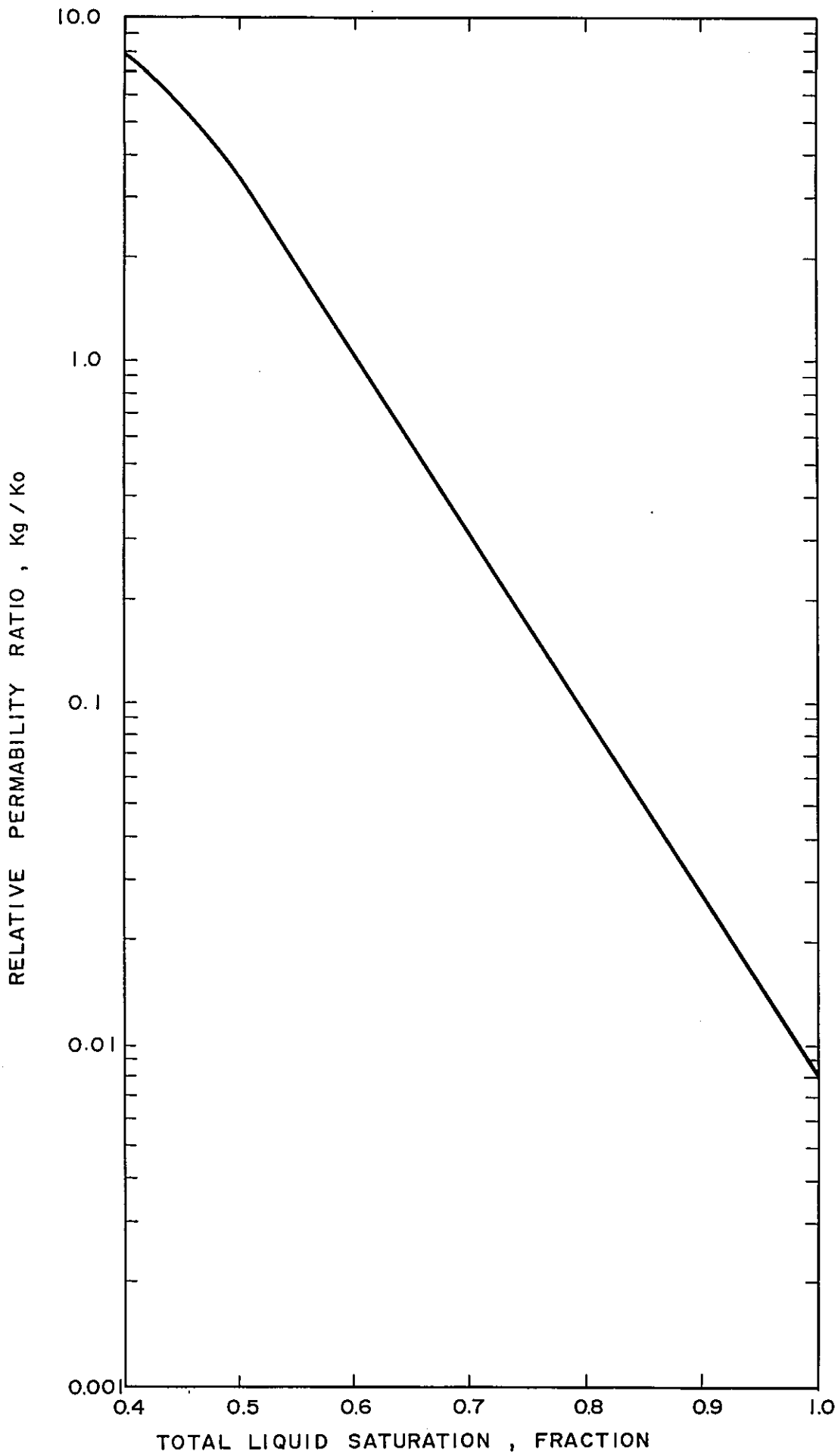


Fig. 6-3-15 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 2, TUKAU FIELD
Vol. IV

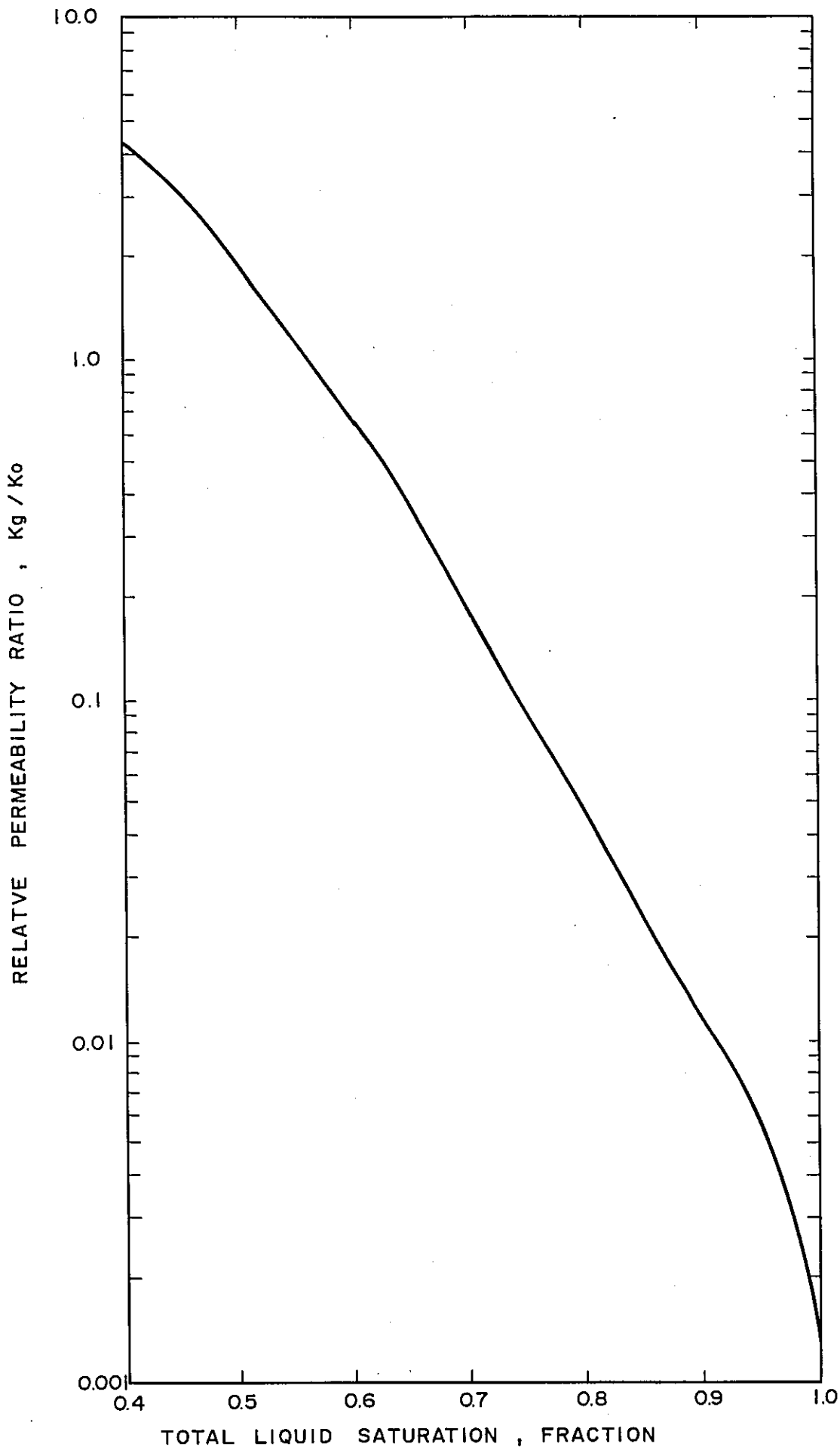


Fig. 6-3-16 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 3, TUKAU FIELD
Vol. IV

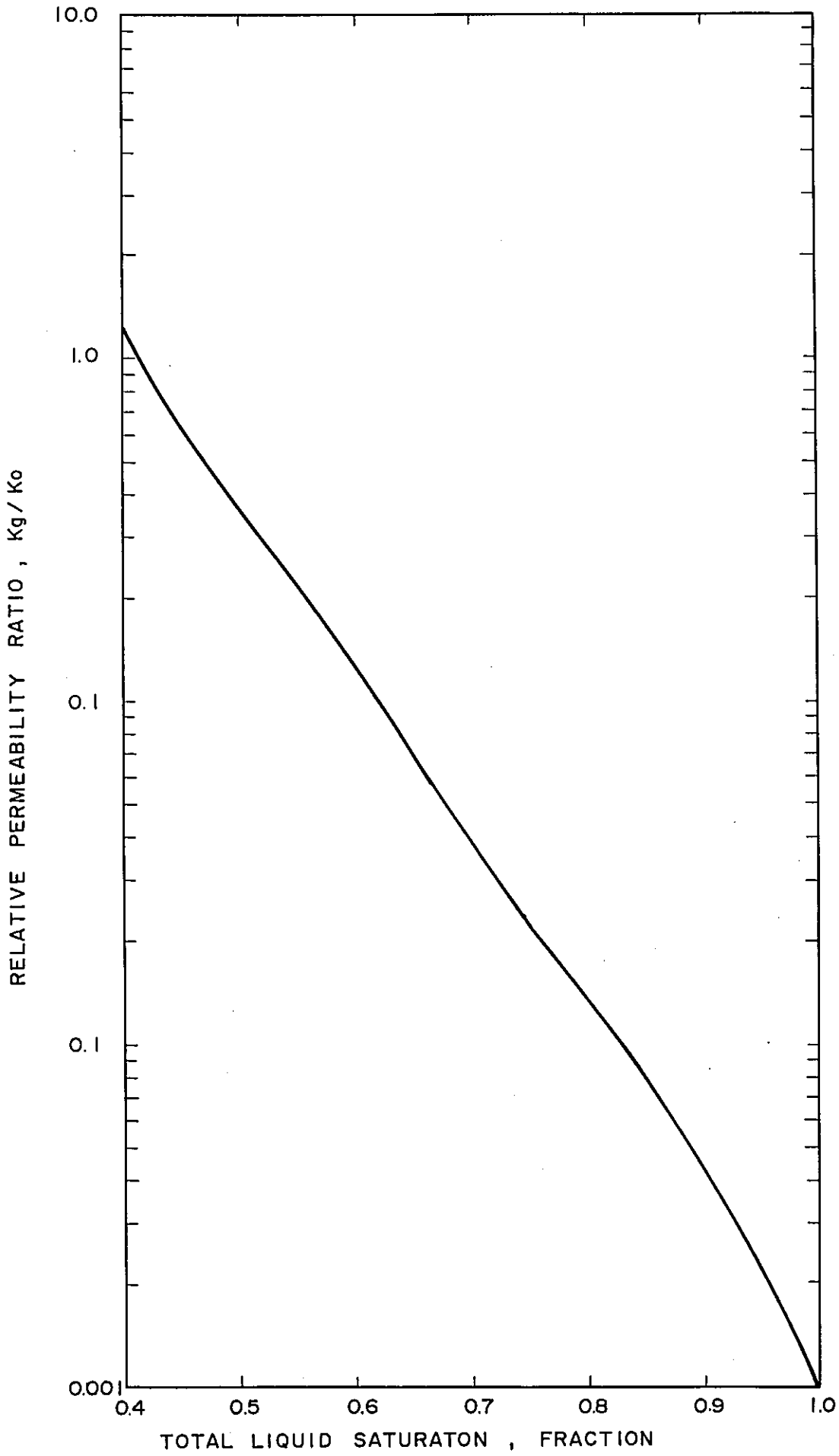


Fig. 6-3-17 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 4, TUKAU FIELD
Vol. IV

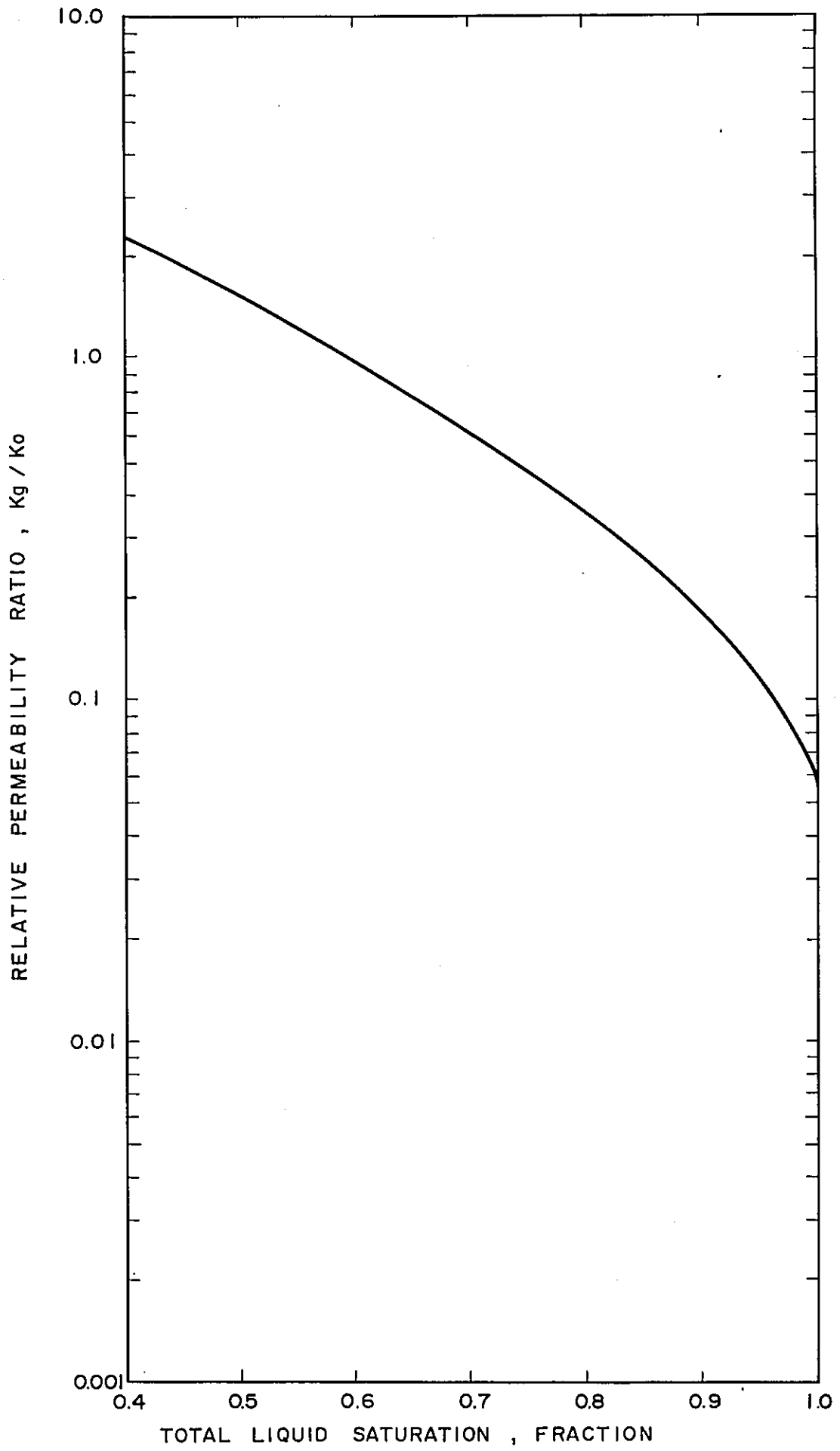


Fig. 6-3-18 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 5, TUKAU FIELD
Vol. IV

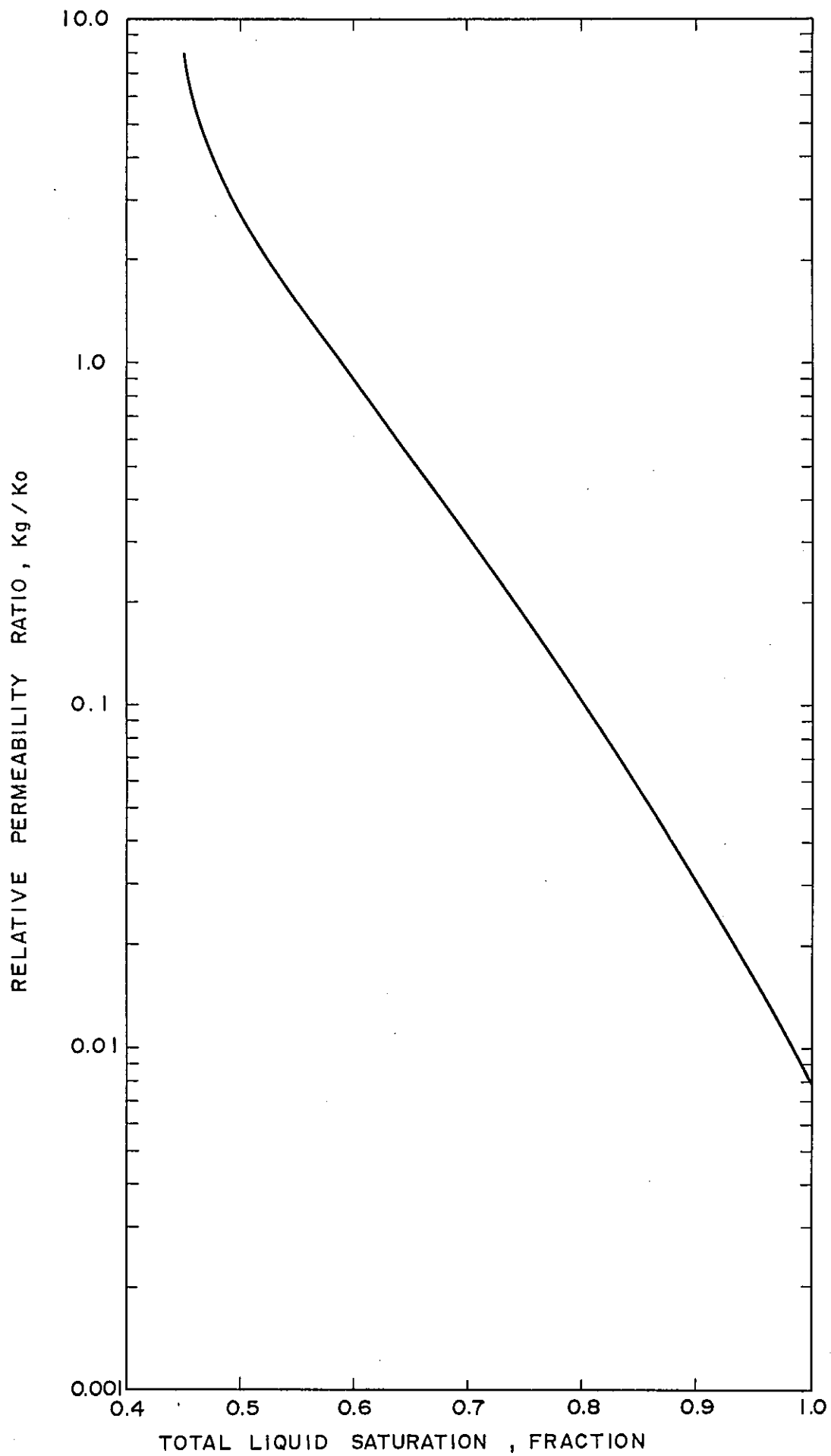


Fig. 6-3-19 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 6, TUKAU FIELD
Vol. IV

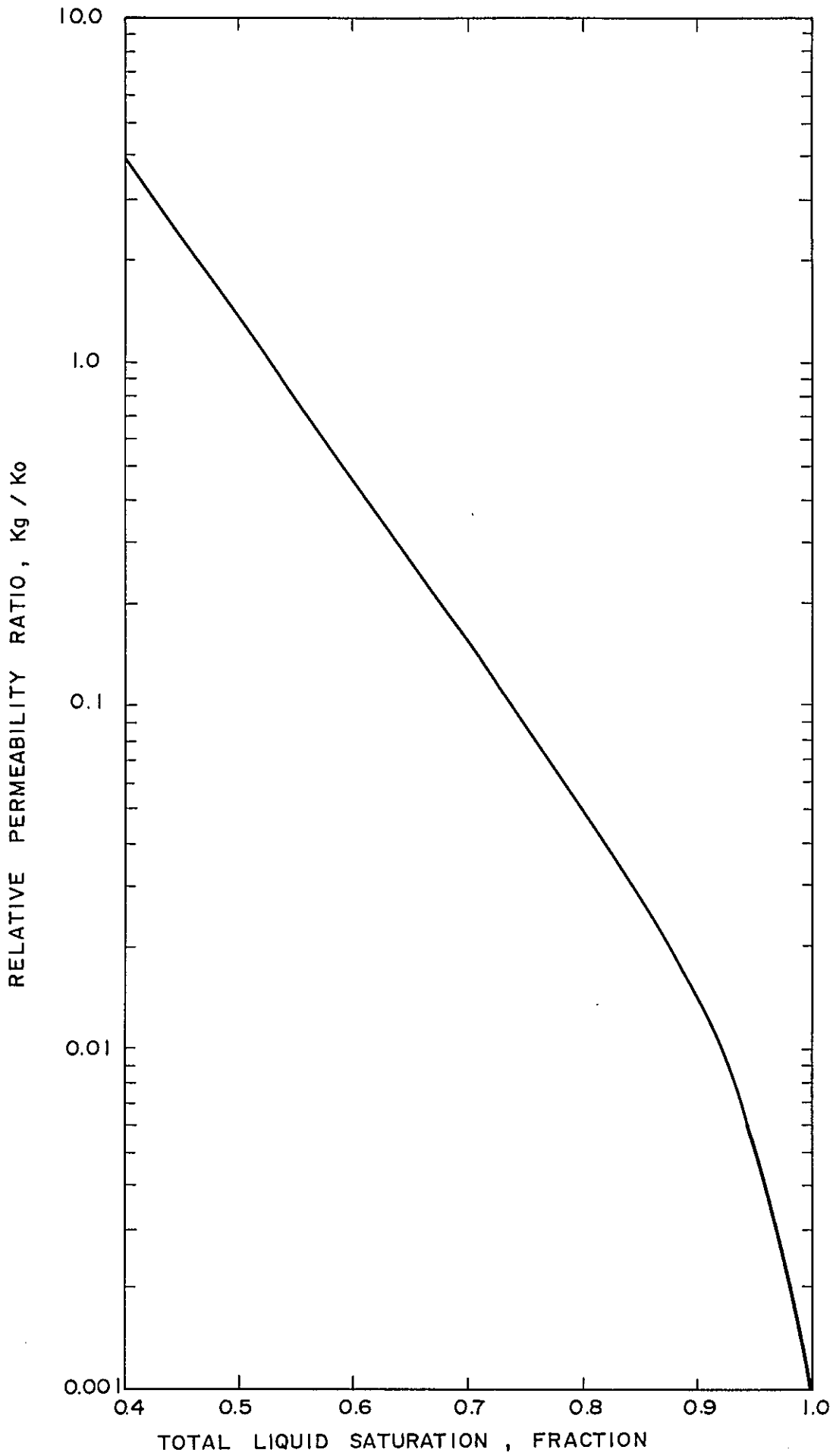


Fig. 6-3-20 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 7, TUKAU FIELD
Vol. IV

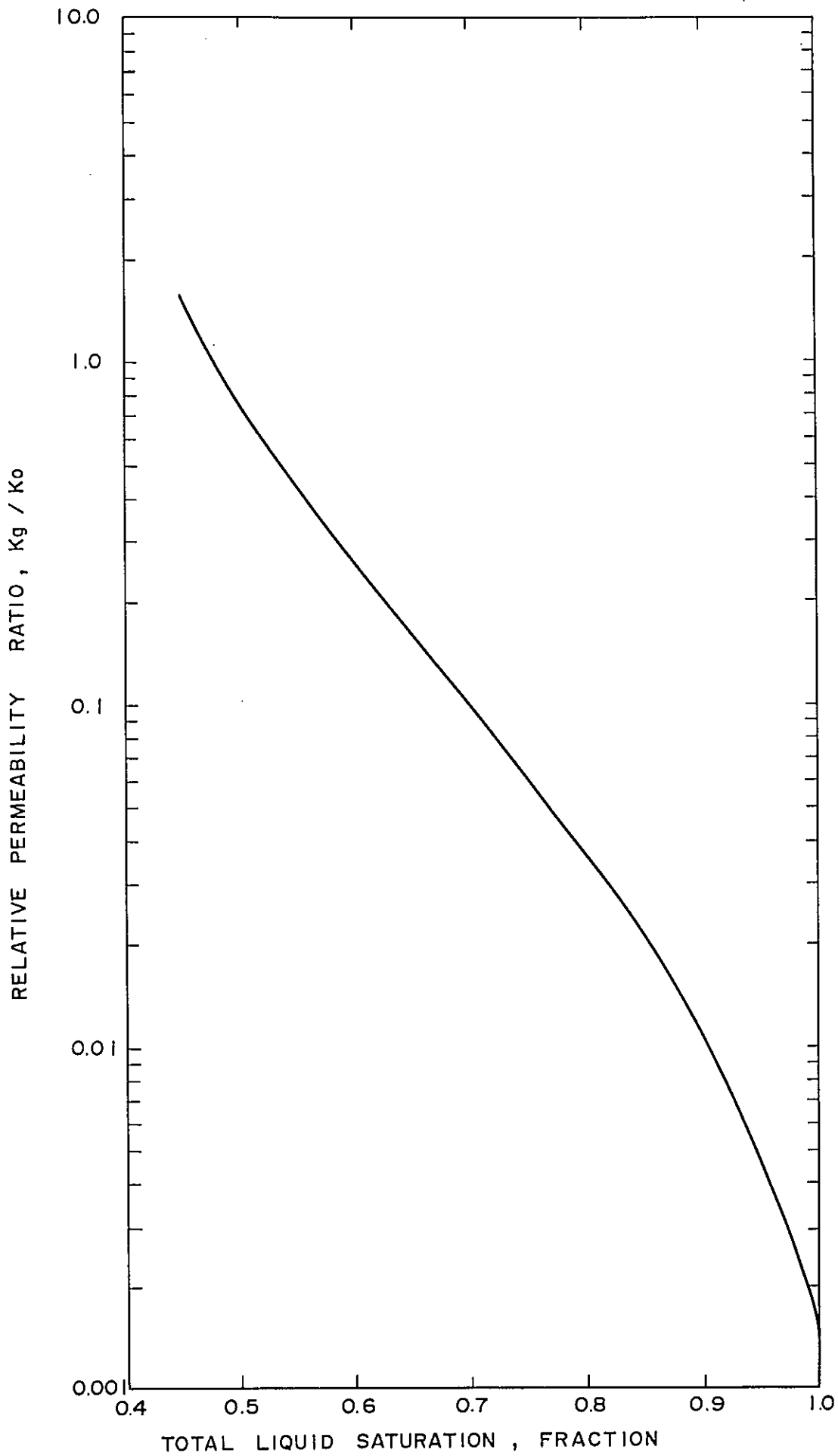


Fig. 6-3-21 GAS-OIL RELATIVE PERMEABILITY RATIO OF MODEL 8, TUKAU FIELD
Vol. IV

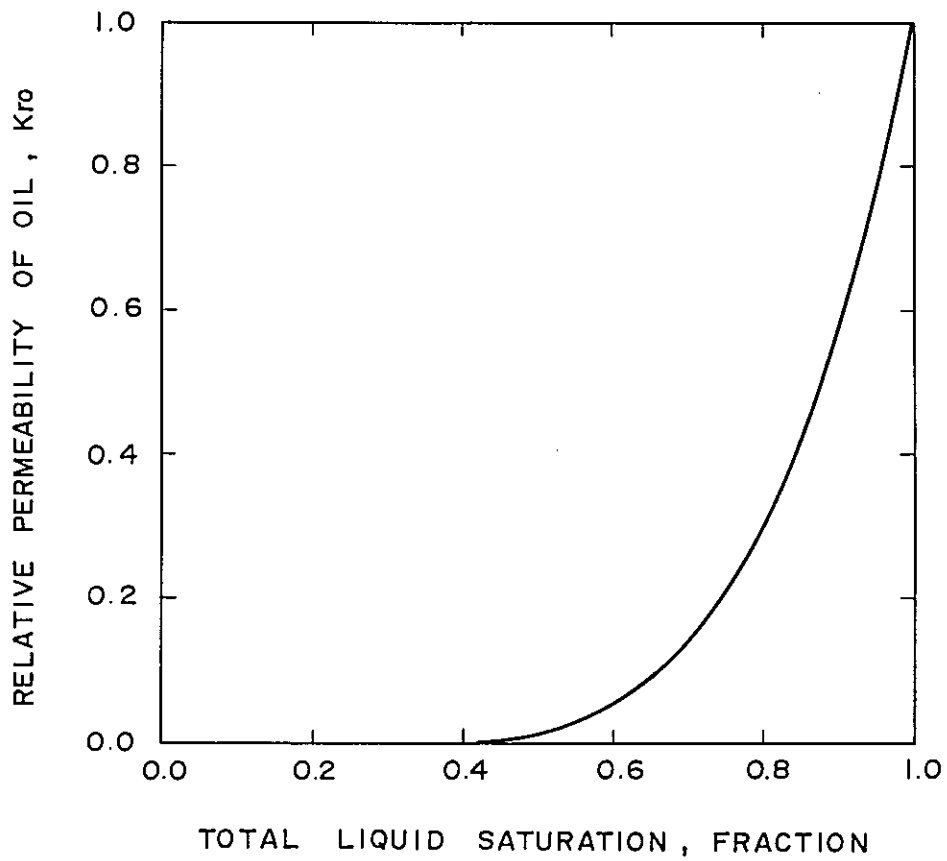


Fig. 6-3-22
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF MODEL-1, TUKAU
FIELD

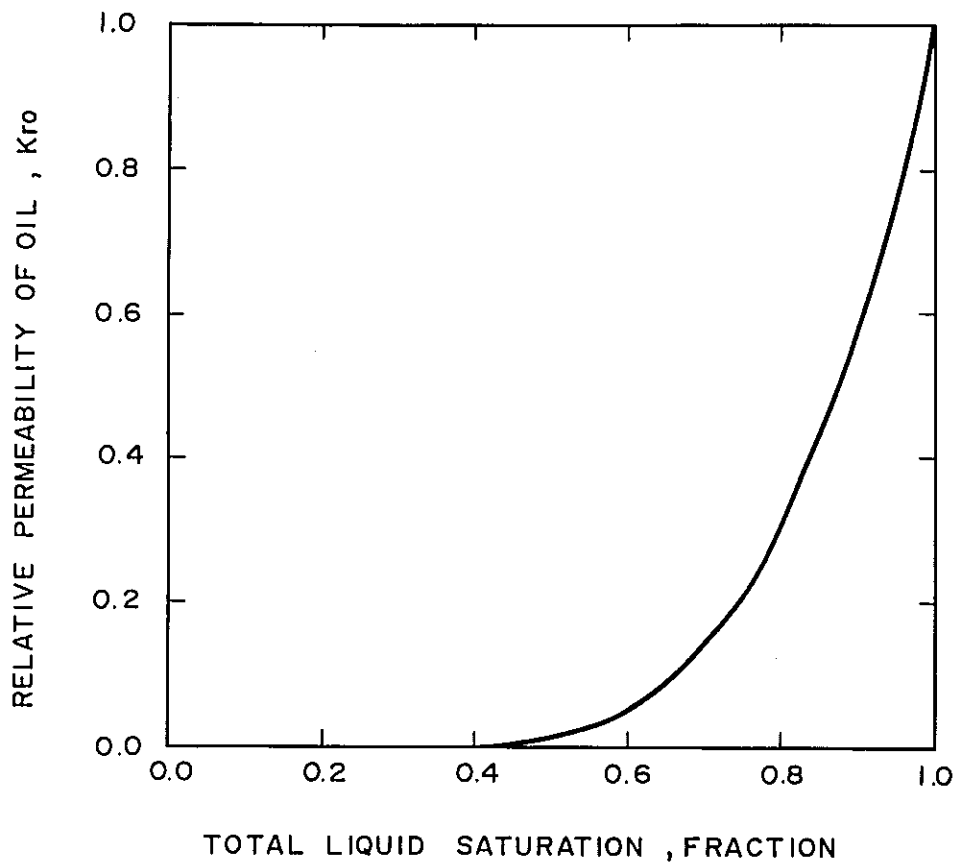


Fig. 6-3-23
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
MODEL 2, TUKAU FIELD

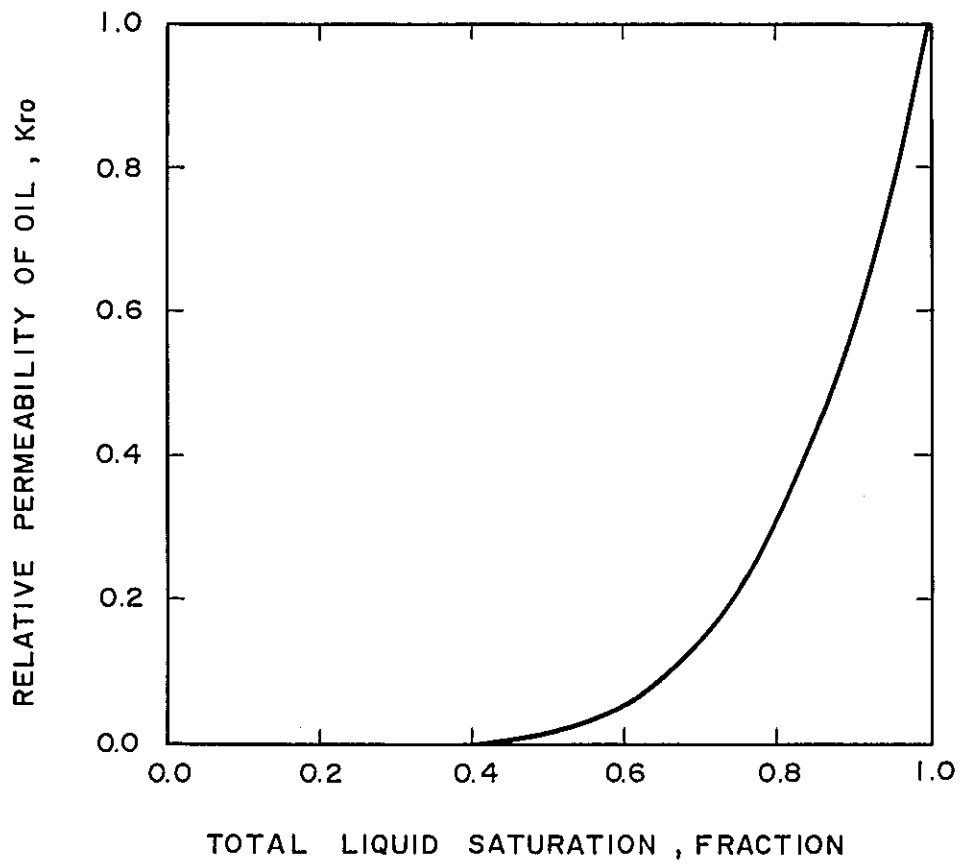


Fig. 6-3-24
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
MODEL 3, TUKAU FIELD

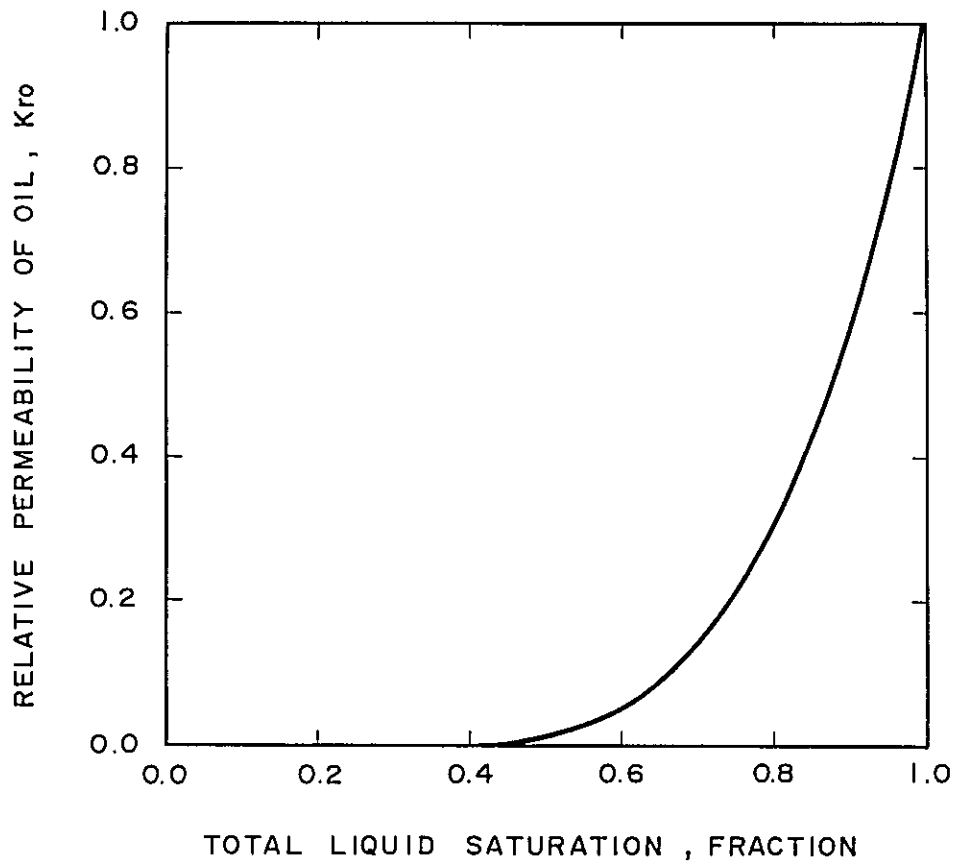


Fig. 6-3-25
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
MODEL 4, TUKAU FIELD

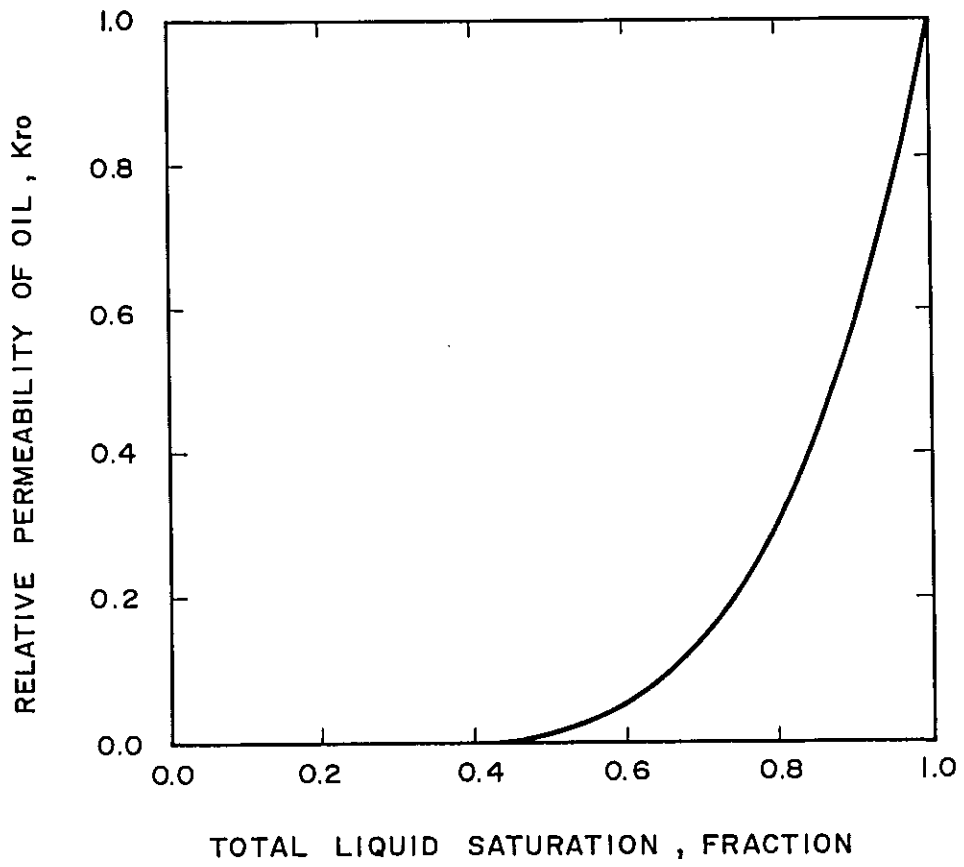


Fig. 6-3-26
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
MODEL 5, TUKAU FIELD

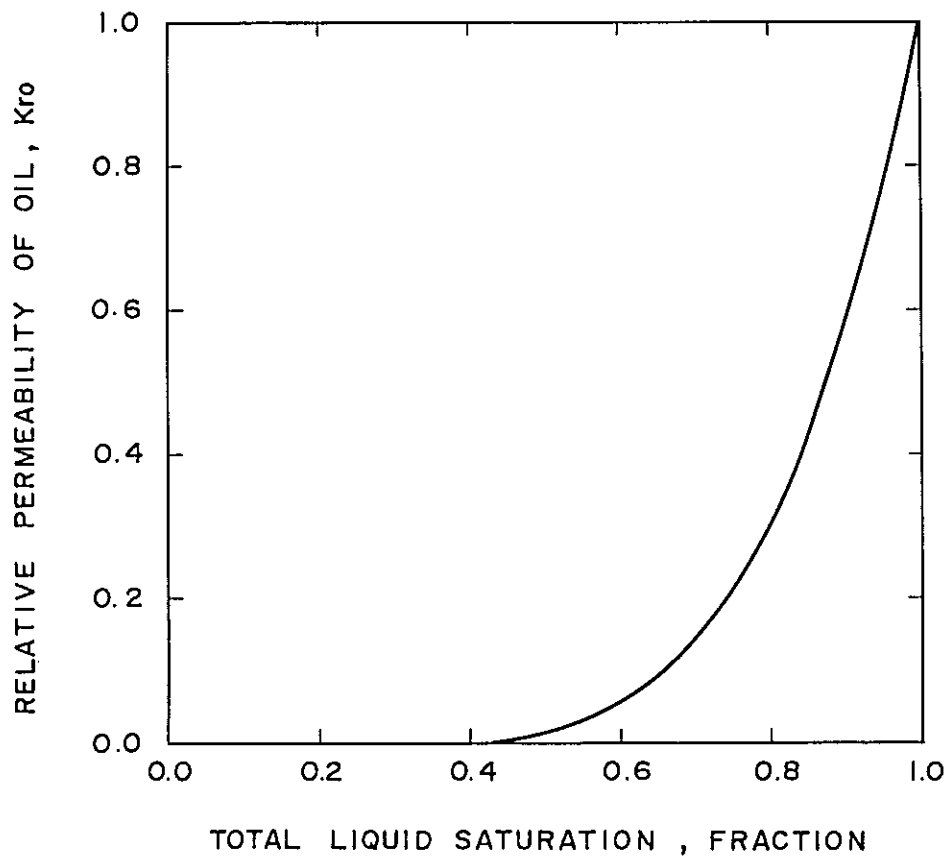


Fig. 6-3-27 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV MODEL 6, TUKAU FIELD

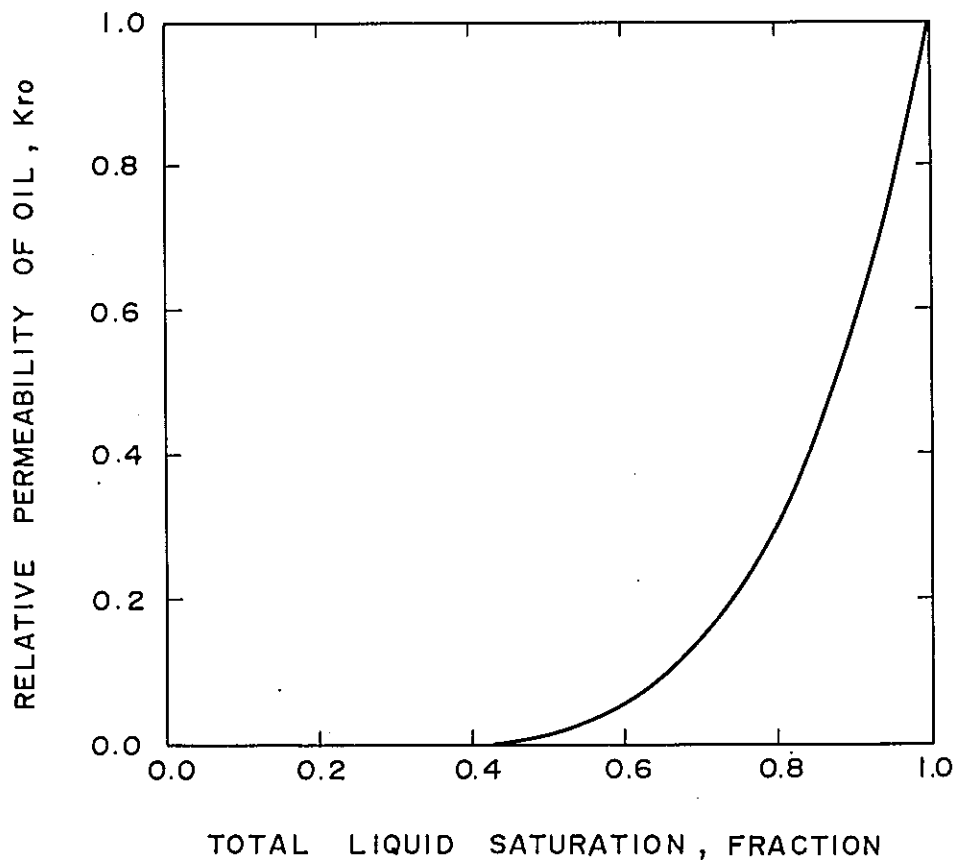


Fig. 6-3-28 OIL RELATIVE PERMEABILITY CURVE OF
Vol. IV MODEL 7, TUKAU FIELD

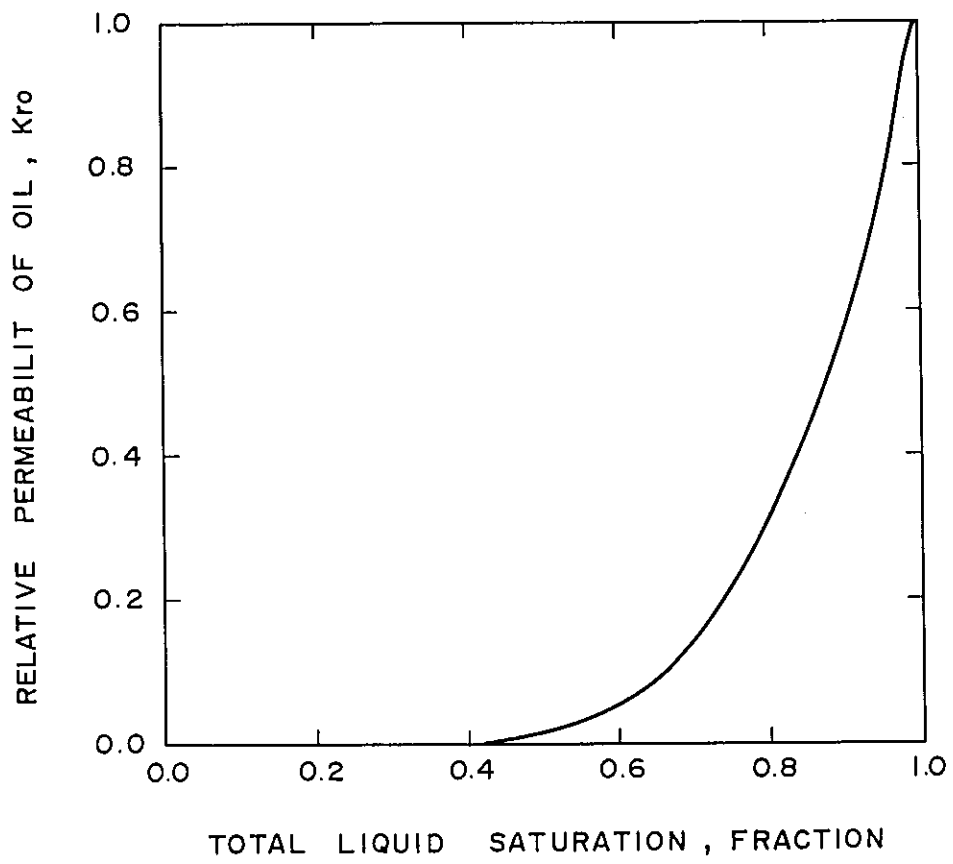


Fig. 6-3-29
Vol. IV

OIL RELATIVE PERMEABILITY CURVE OF
MODEL 8, TUKAU FIELD

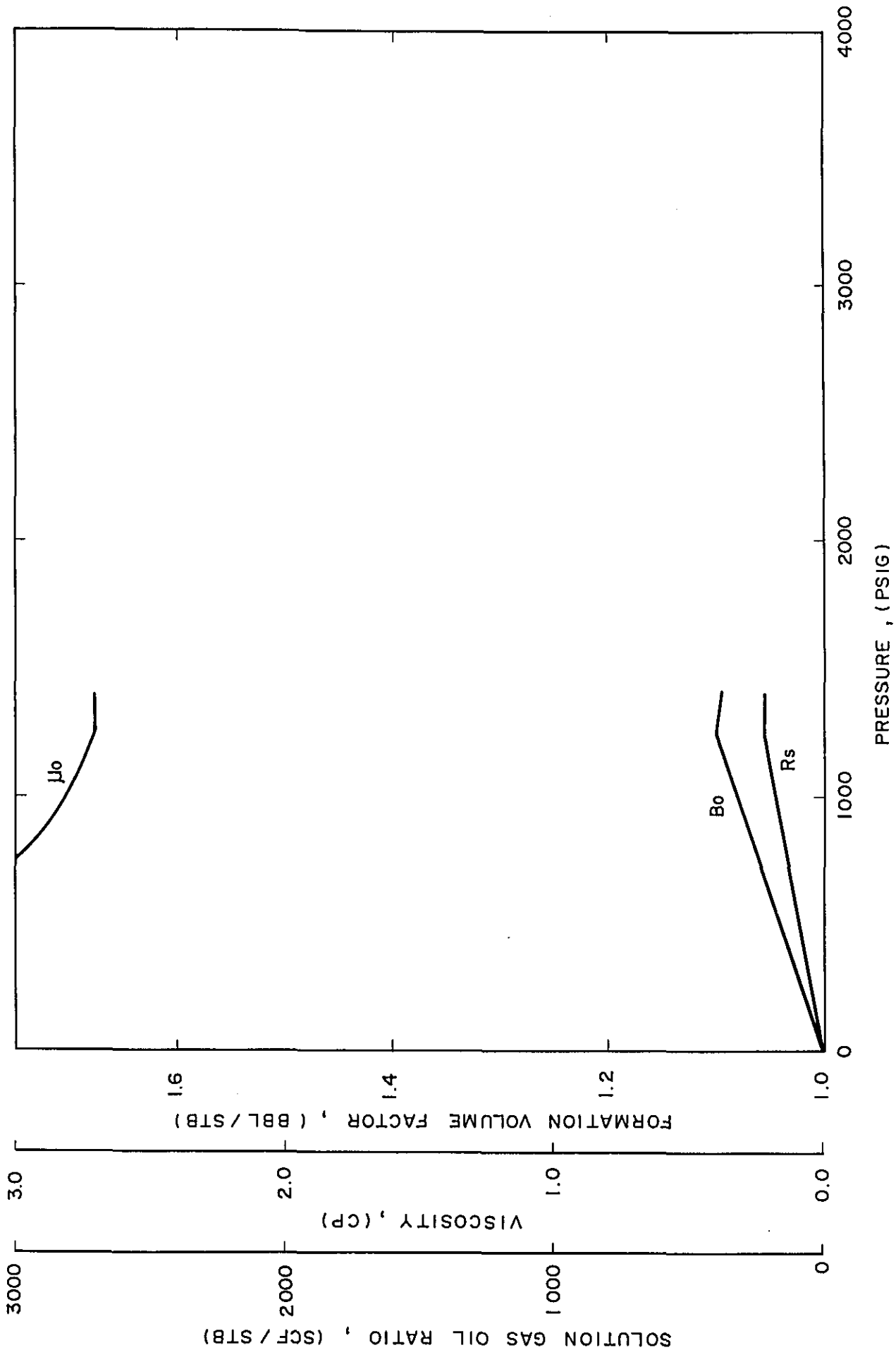


Fig. 6-3-30 OIL PROPERTIES OF MODEL 1, TUKAU FIELD
Vol. IV

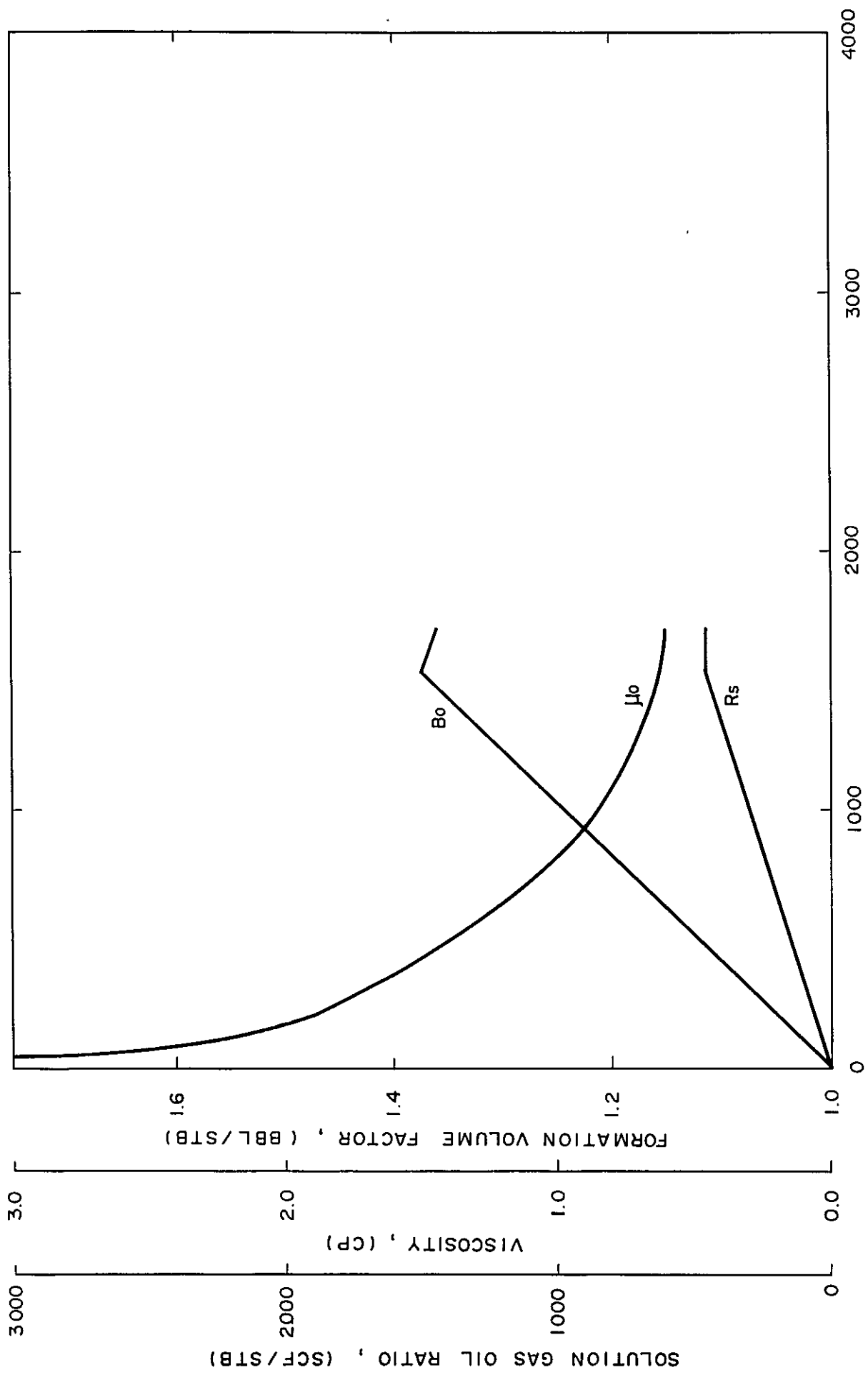


Fig. 6-3-31 OIL PROPERTIES OF MODEL 2, TUKAU FIELD
VOL. IV

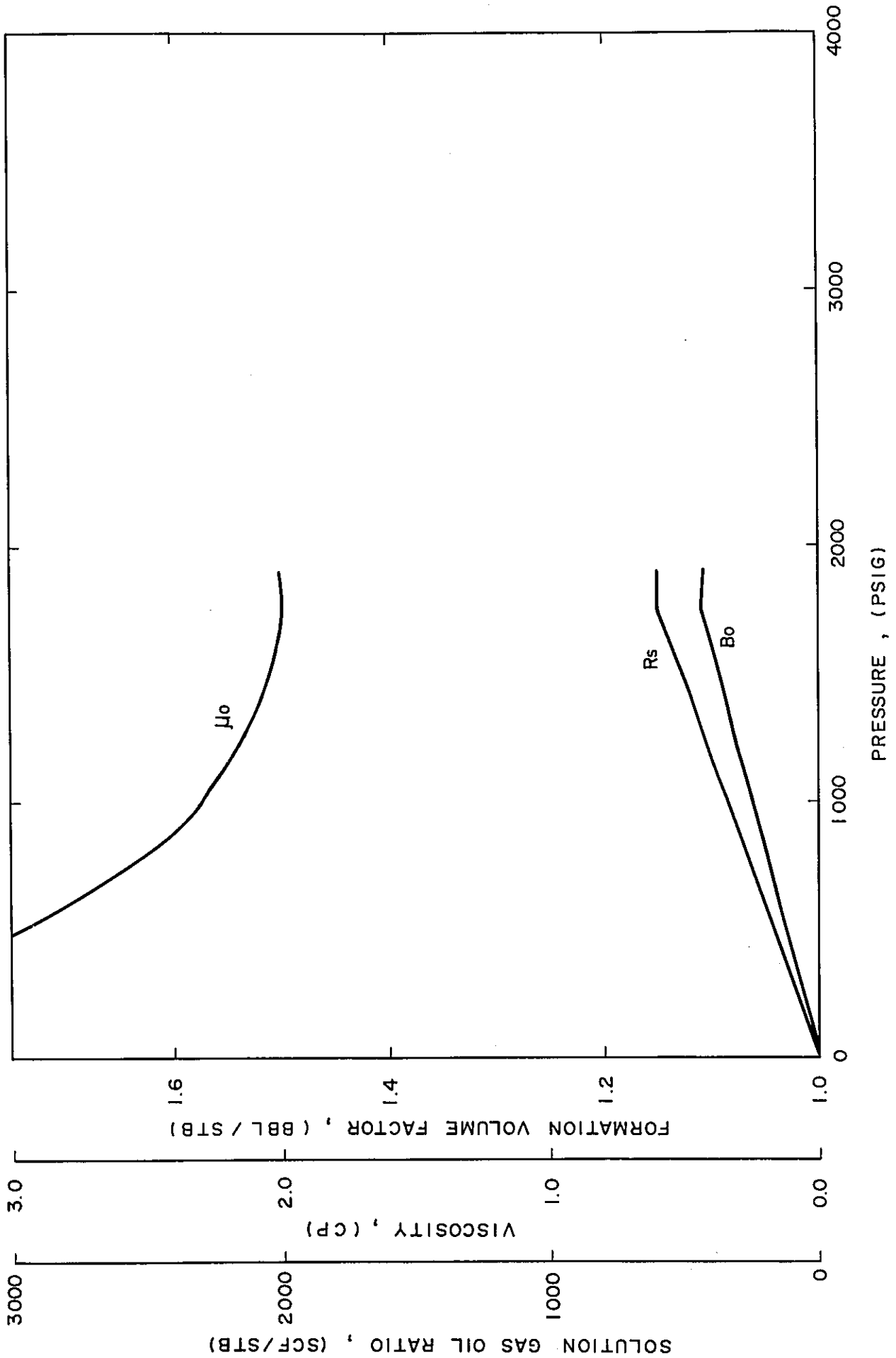


Fig. 6-3-32 OIL PROPERTIES OF MODEL 3, TUKAU FIELD
Vol. IV

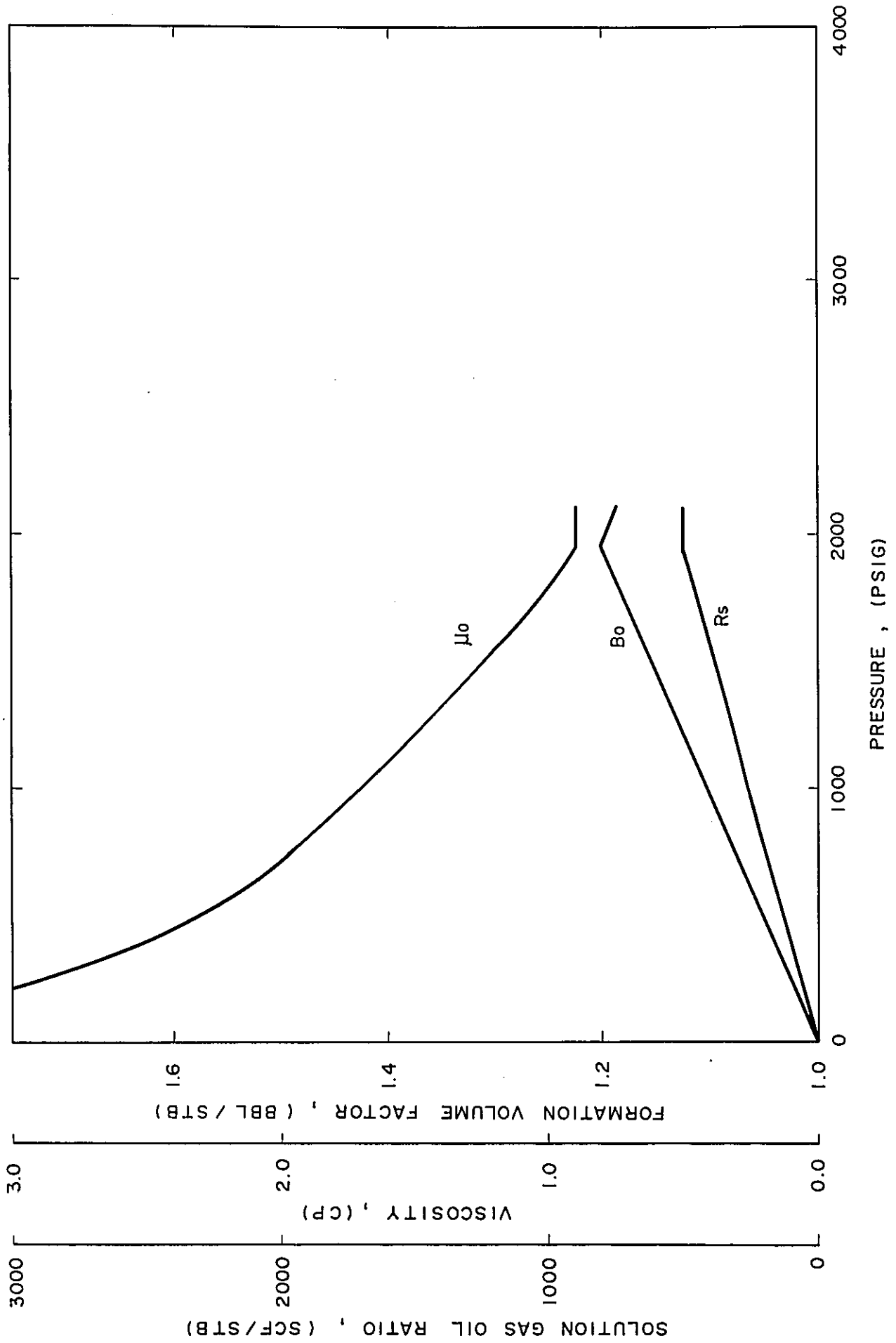


Fig. 6-3-33 OIL PROPERTIES OF MODEL 4, TUKAU FIELD
Vol. IV

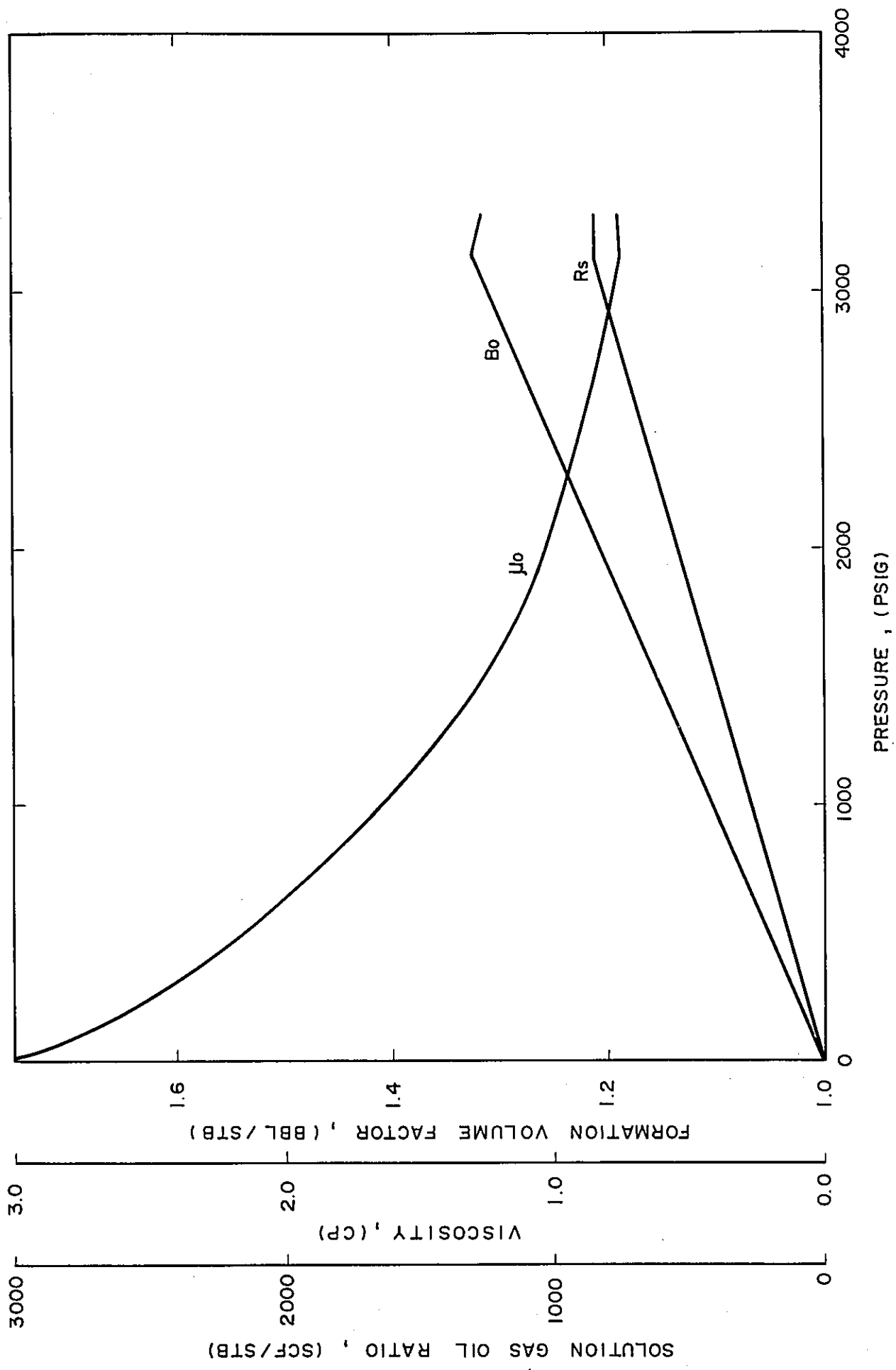


Fig. 6-3-34 OIL PROPERTIES OF MODEL 5, TUKAU FIELD
Vol. IV

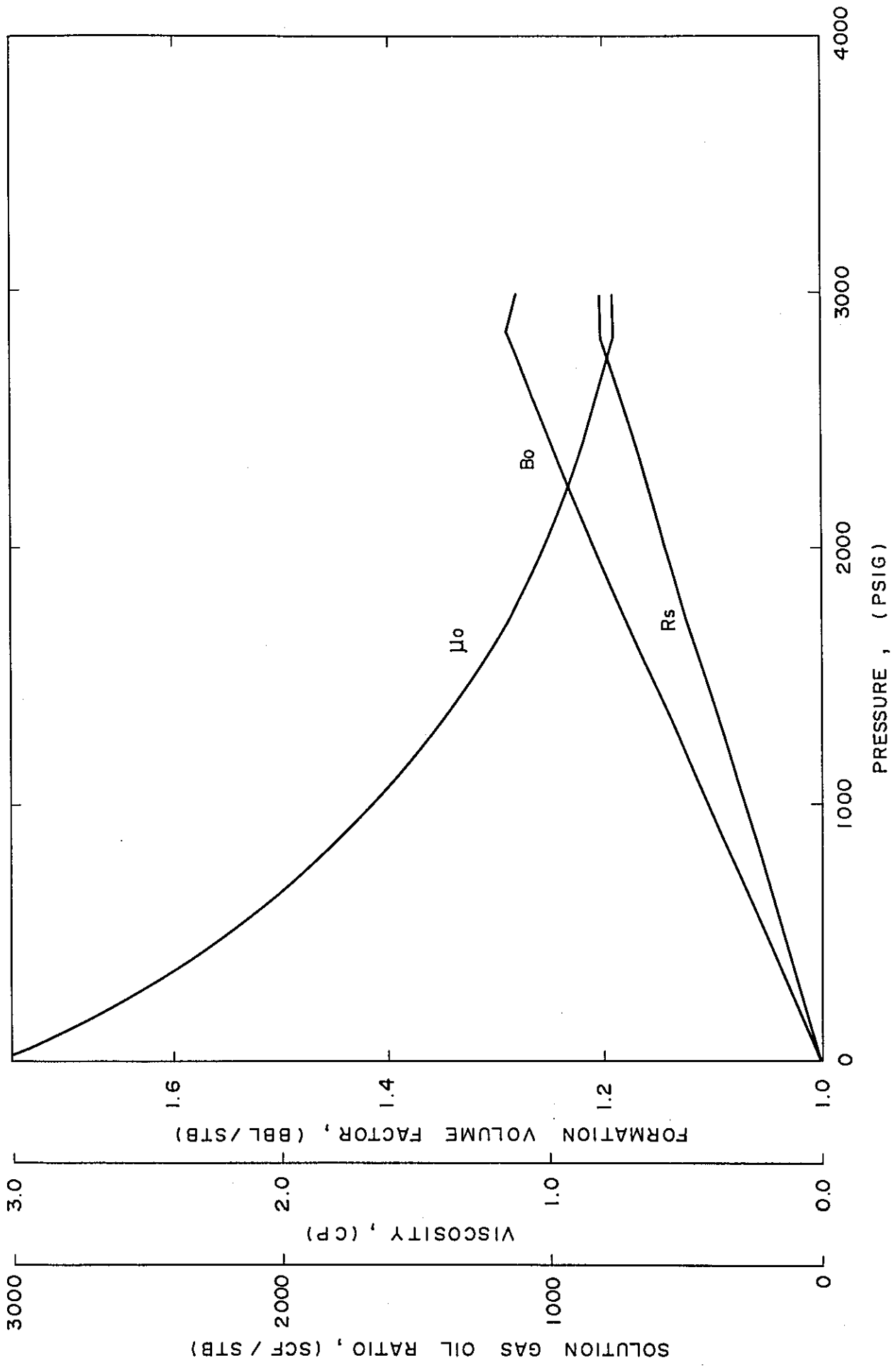


Fig. 6-3-35 OIL PROPERTIES OF MODEL 8, TUKAU FIELD
Vol. IV

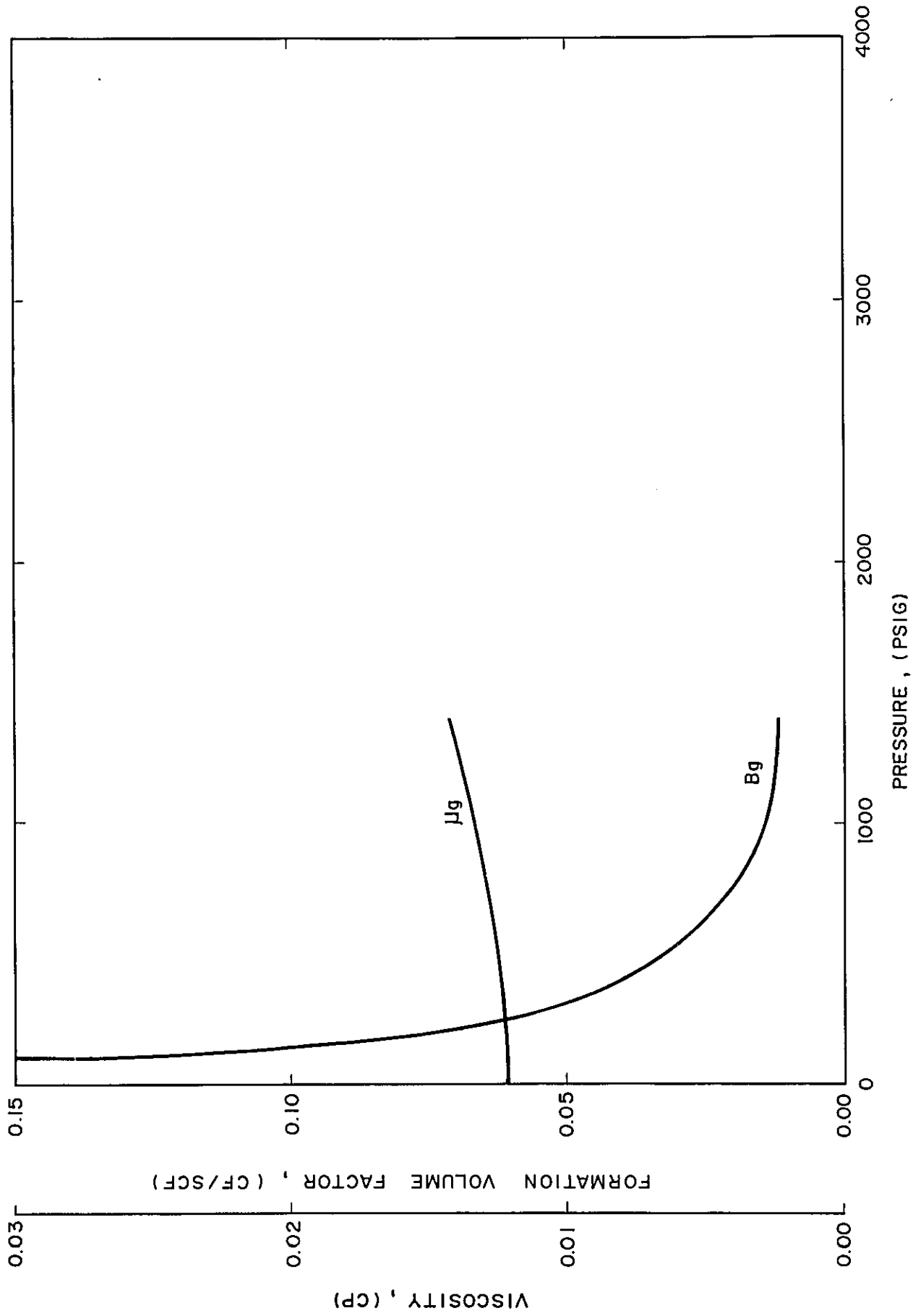


Fig. 6-3-36 GAS PROPERTIES OF MODEL 1, TUKAU FIELD
Vol. IV

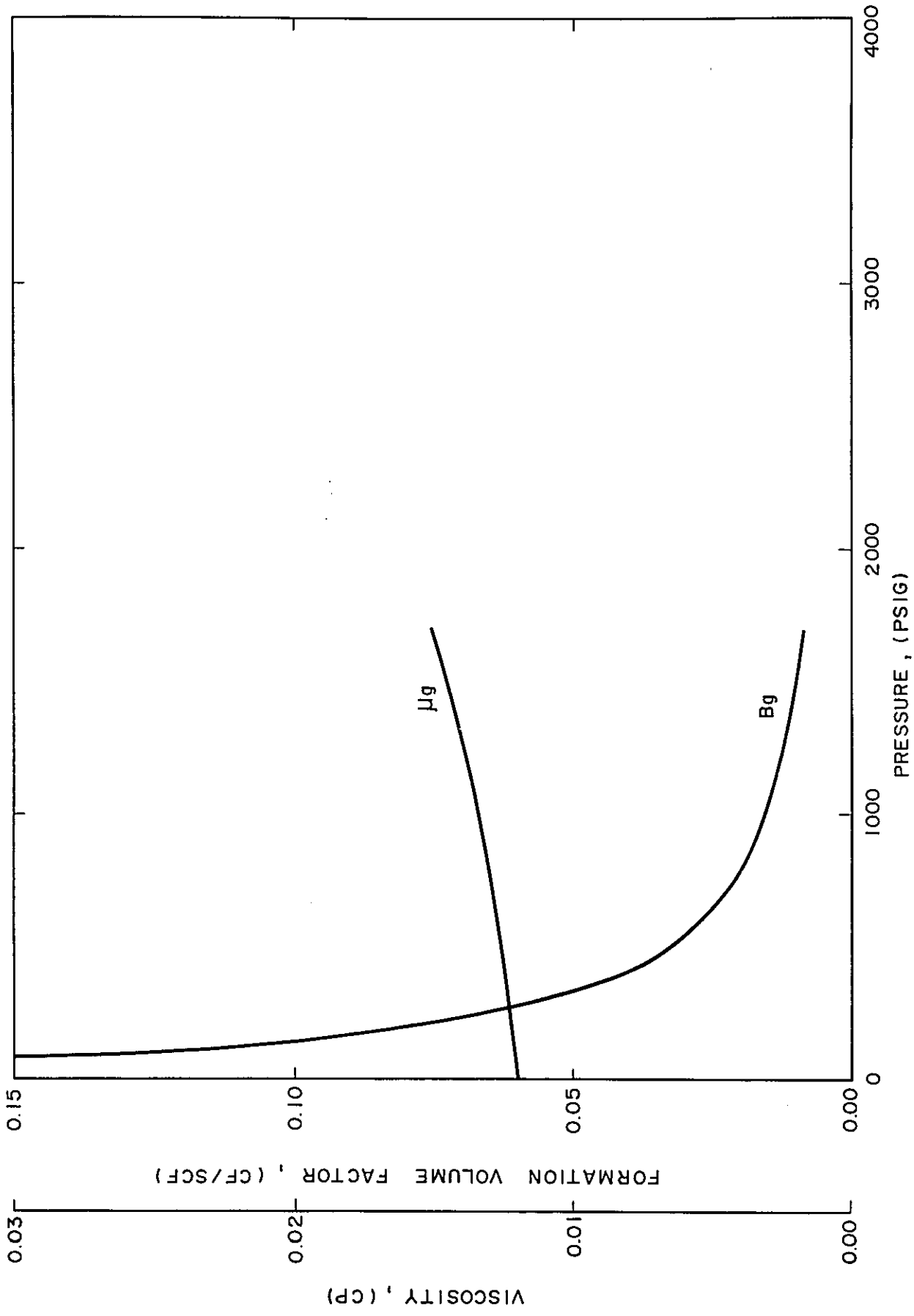


Fig. 6-3-37 GAS PROPERTIES OF MODEL 2, TUKAU FIELD
Vol. IV

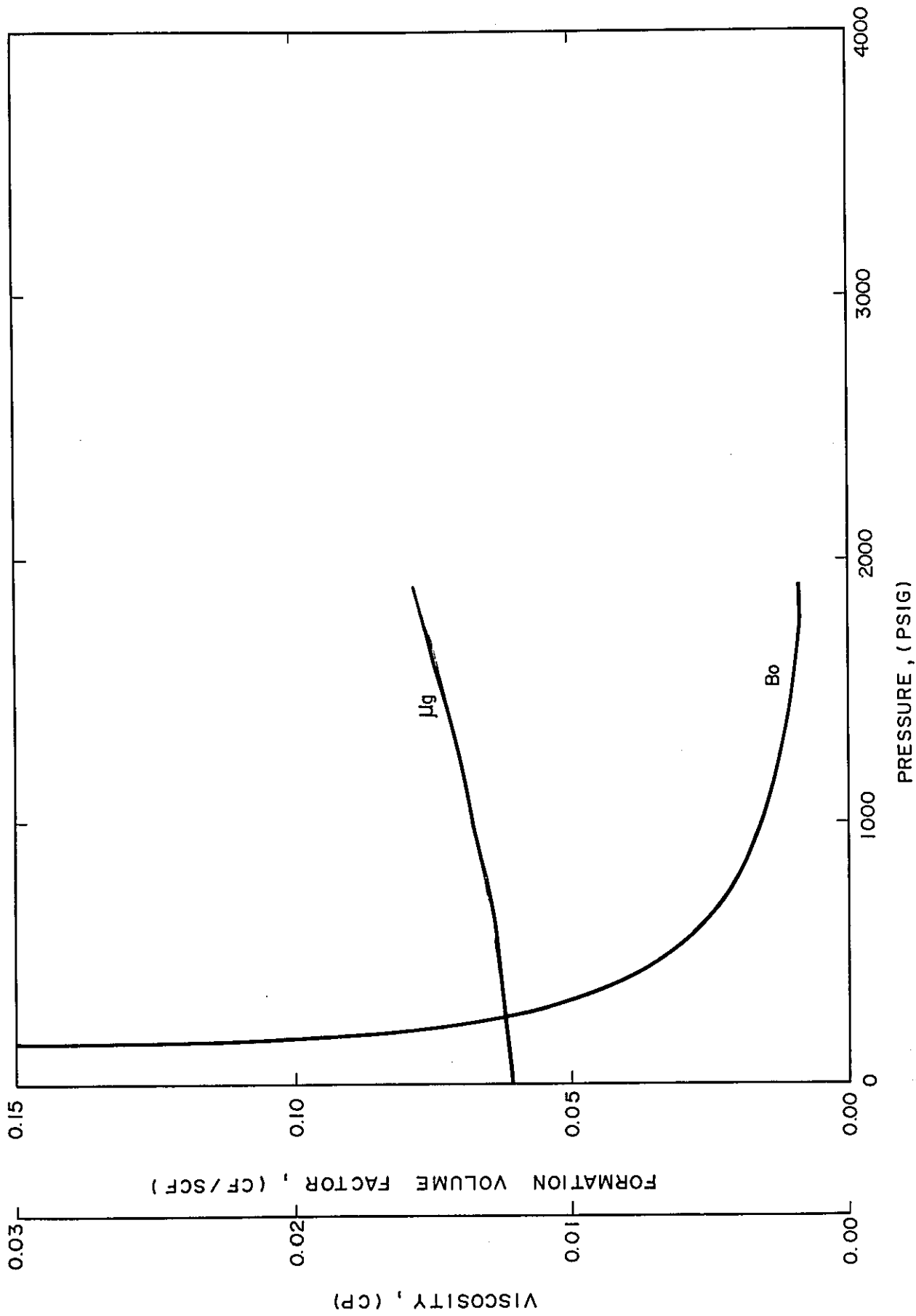


Fig. 6-3-38 GAS PROPERTIES OF MODEL 3, TUKAU FIELD
Vol. IV

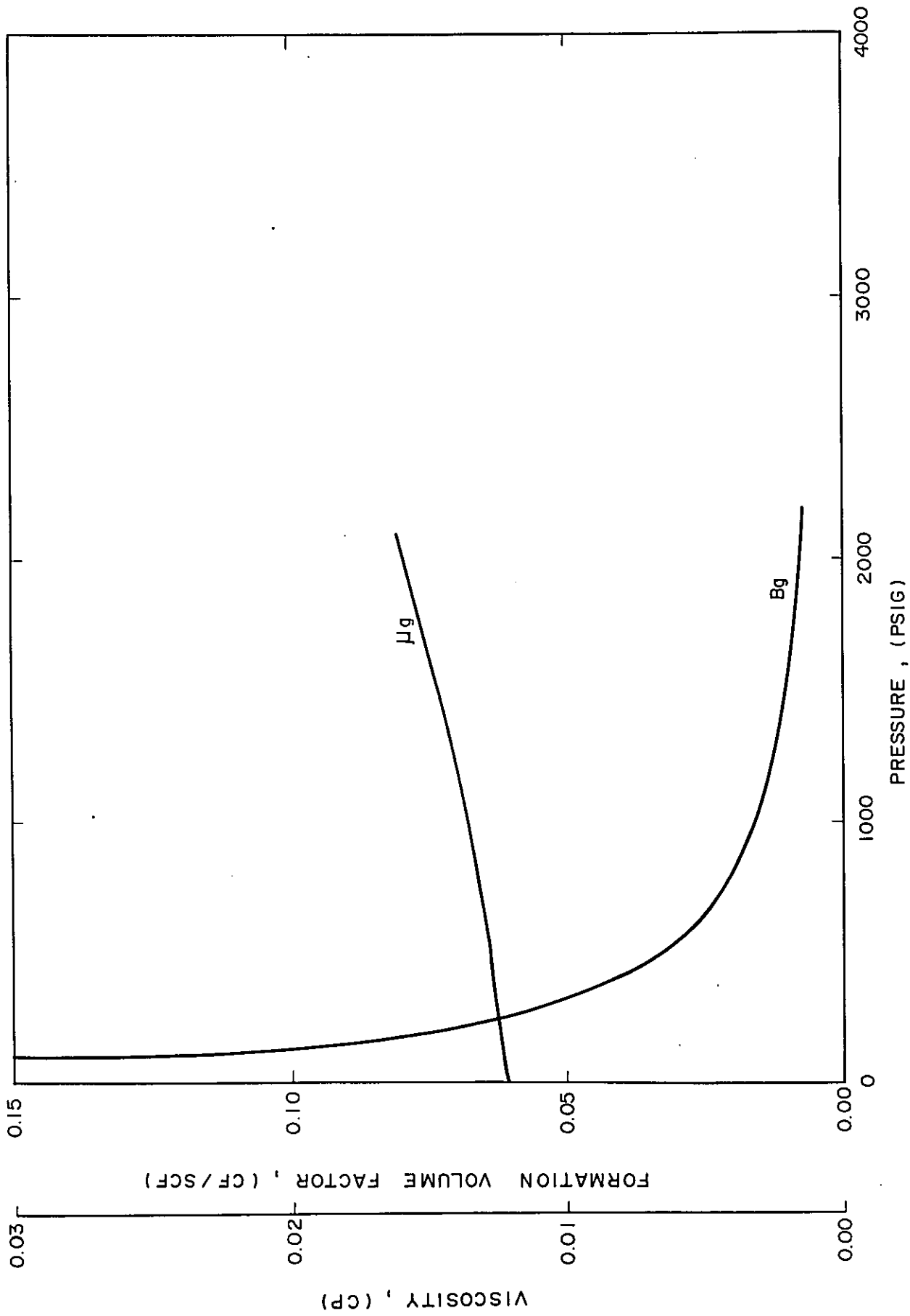


Fig. 6-3-39 GAS PROPERTIES OF MODEL 4, TUKAU FIELD
Vol. IV

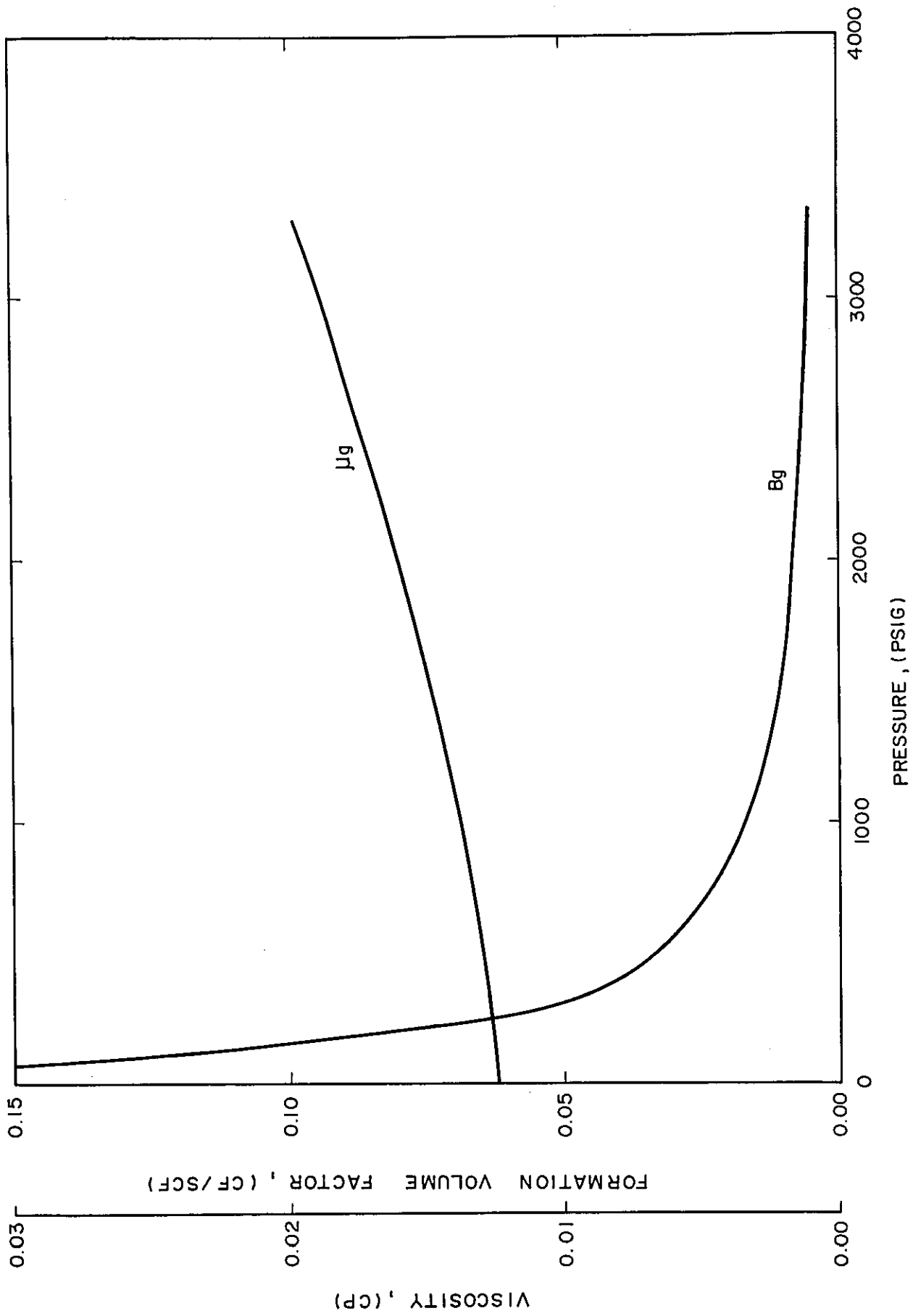


Fig. 6-3-40 GAS PROPERTIES OF MODEL 5, TUJAU FIELD
Vol. IV

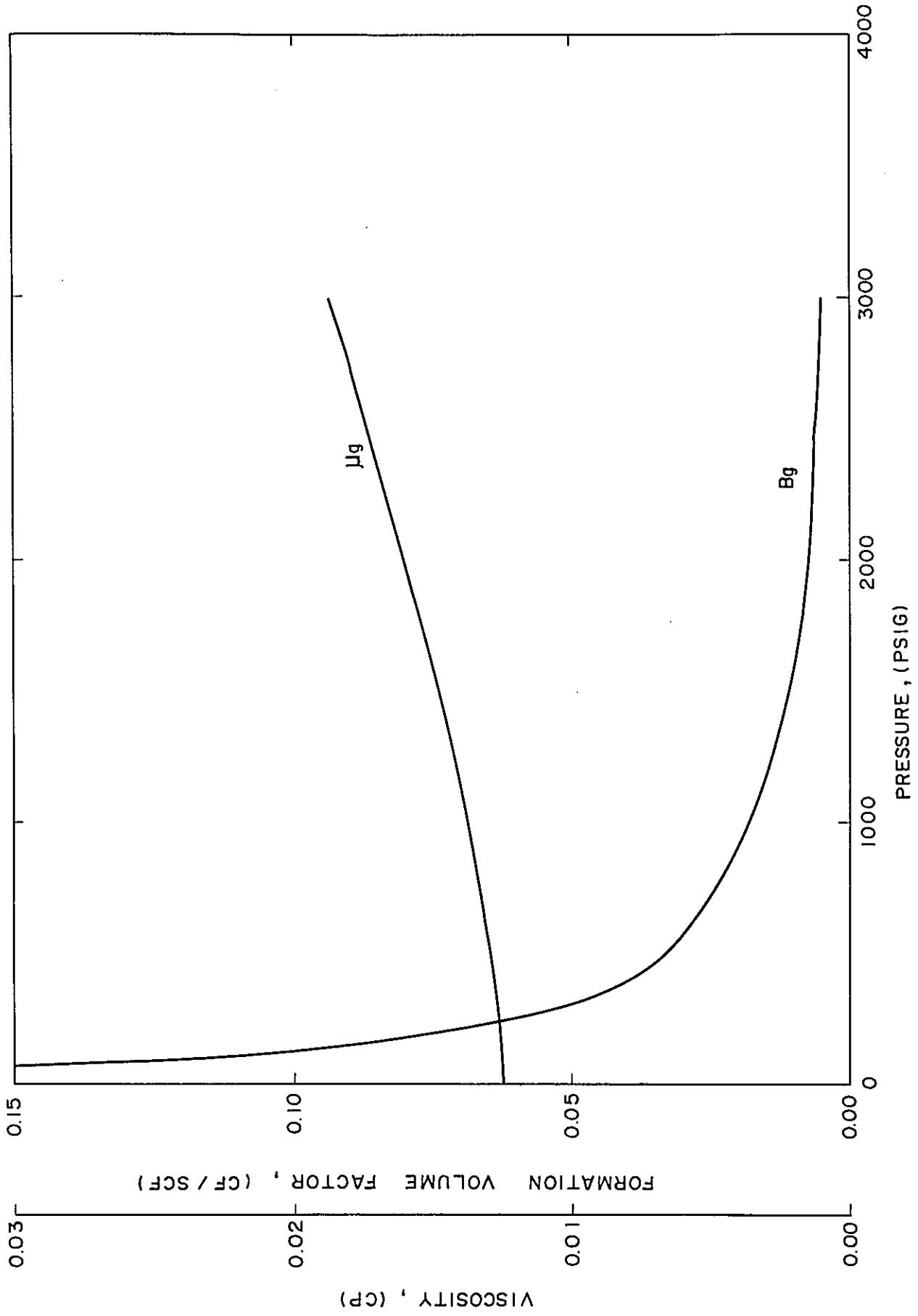


Fig. 6-3-41 GAS PROPERTIES OF MODEL 8, TUKAU FIELD
Vol. IV

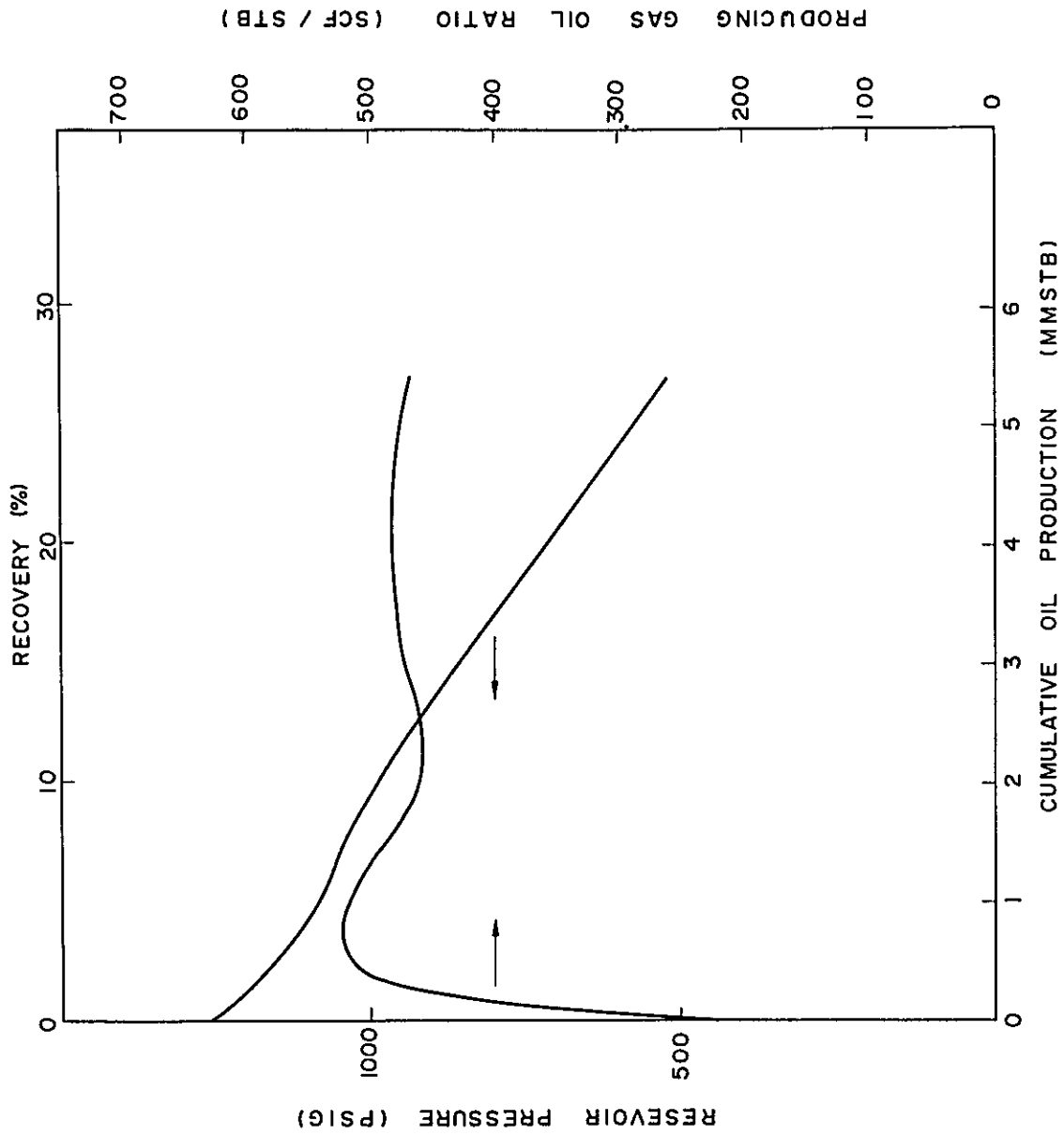


Fig. 6-3-42 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF MODEL-1, TUKAU FIELD
 Vol. IV

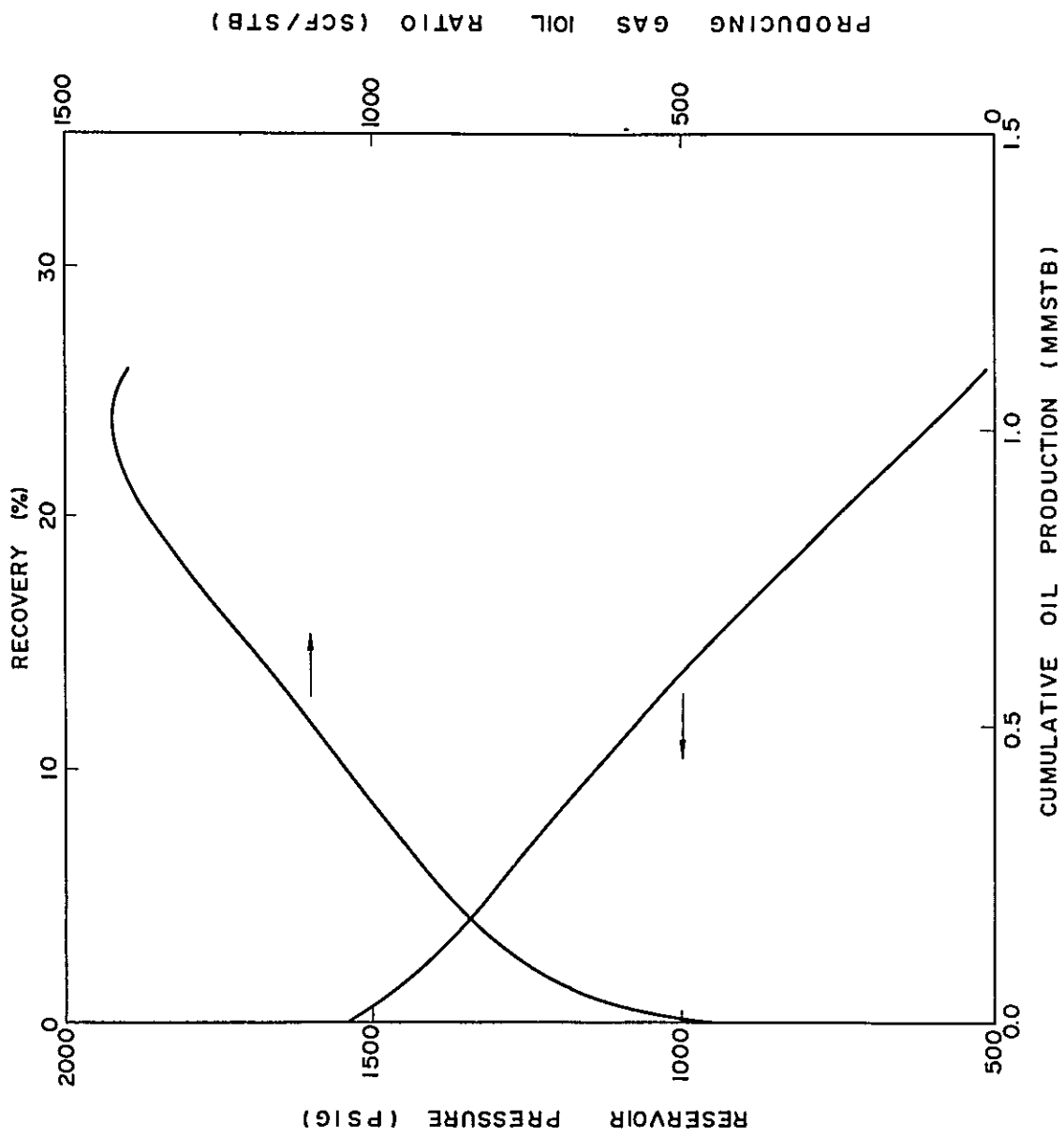


Fig. 6-3-43 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF MODEL-2, TUKAU FIELD
Vol. IV

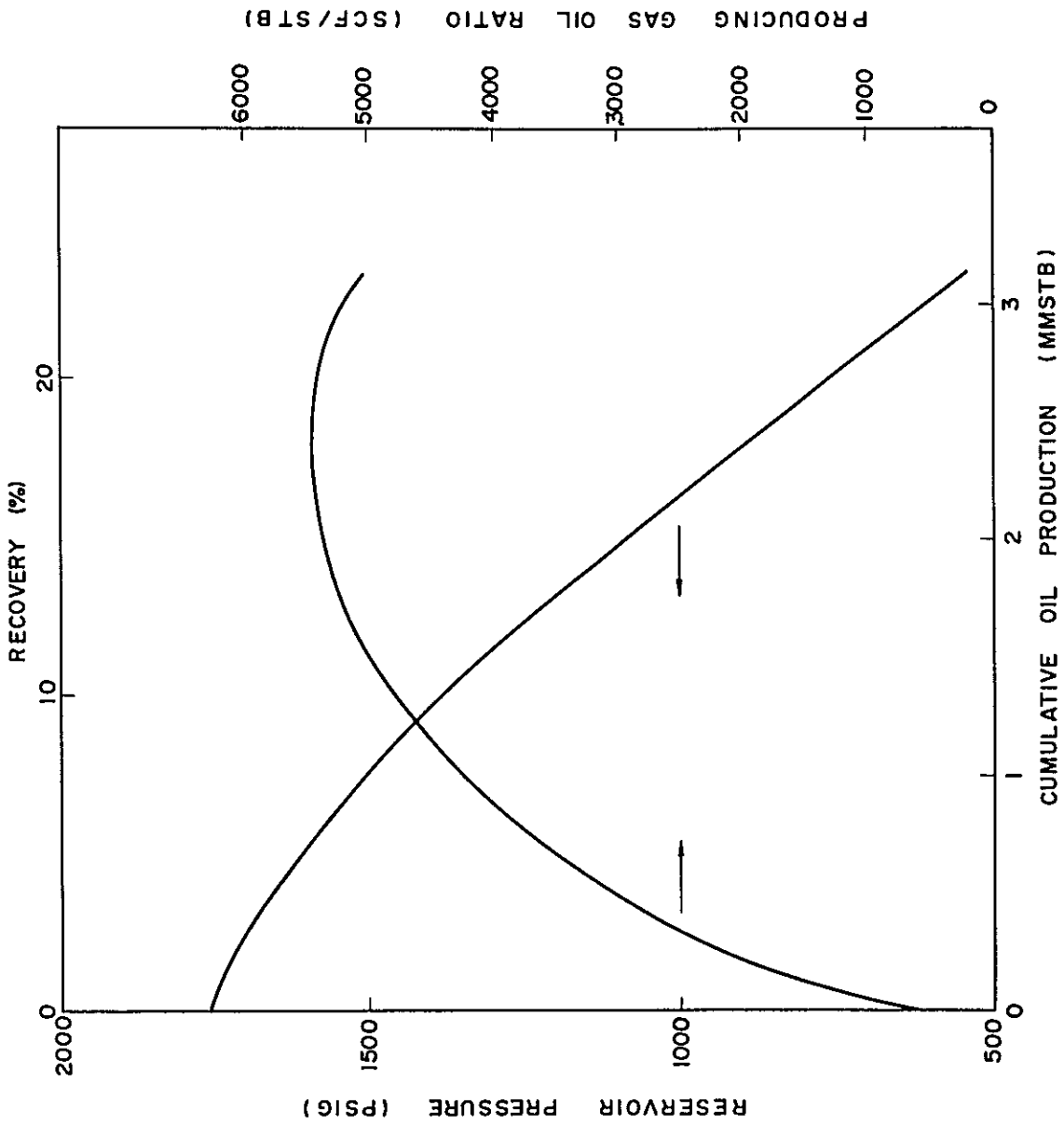


Fig. 6-3-44 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF MODEL-3, TUKAU FIELD

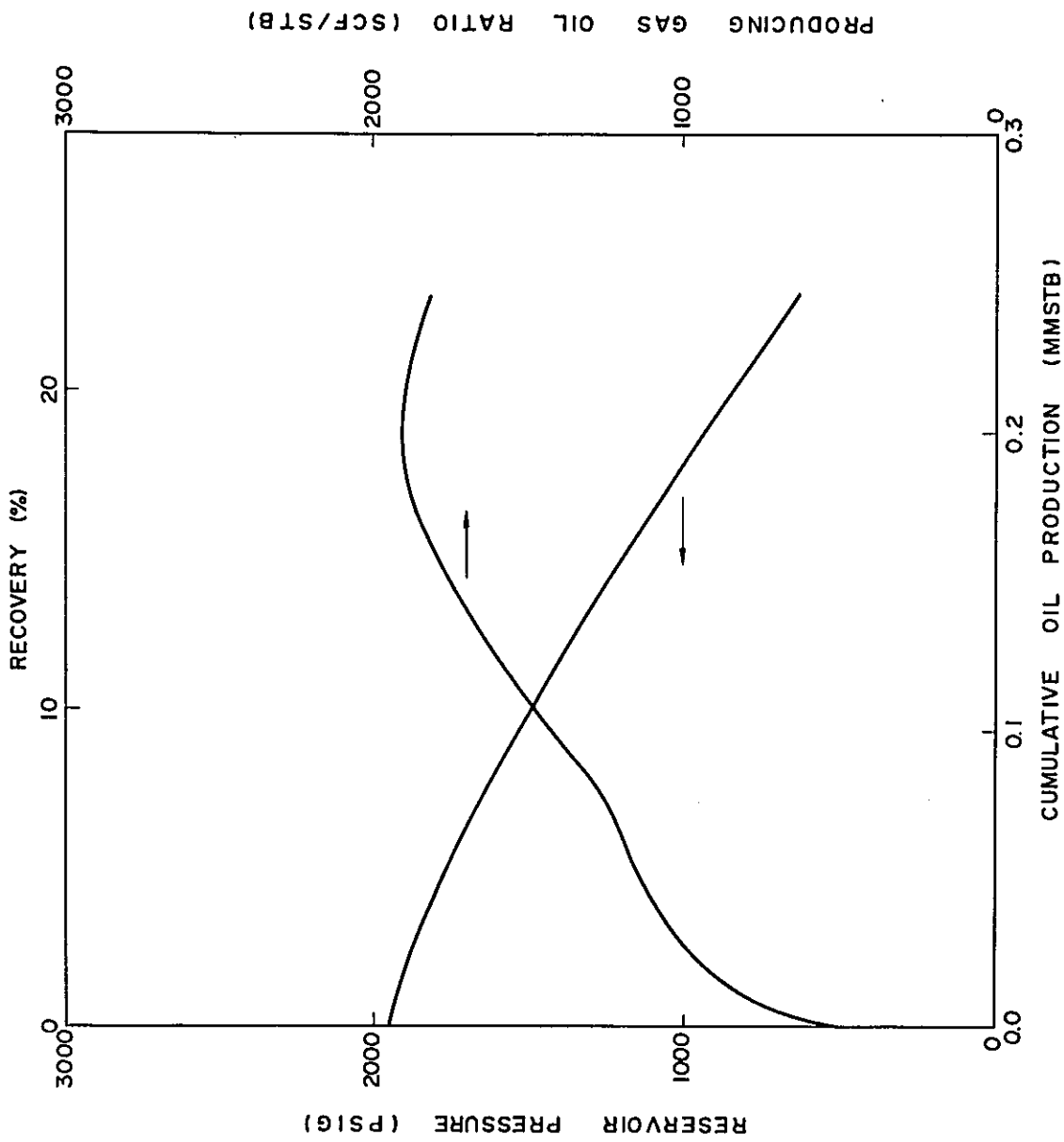


Fig. 6-3-45 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF MODEL-4, TUKAU FIELD
 VOL. IV

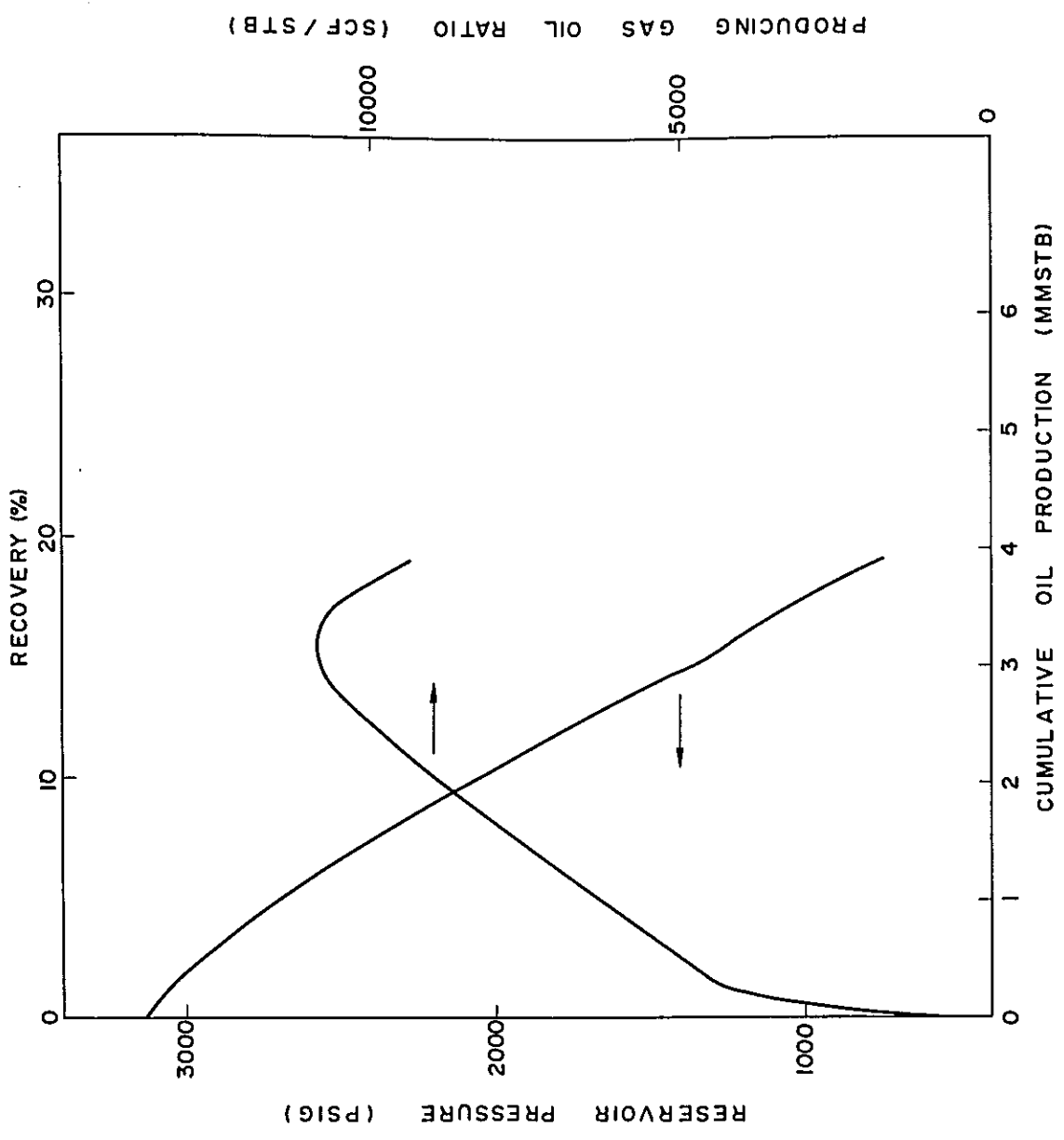


Fig. 6-3-46 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 VOL. IV AND PRODUCING GAS OIL RATIO OF MODEL-5, TUKAU FIELD

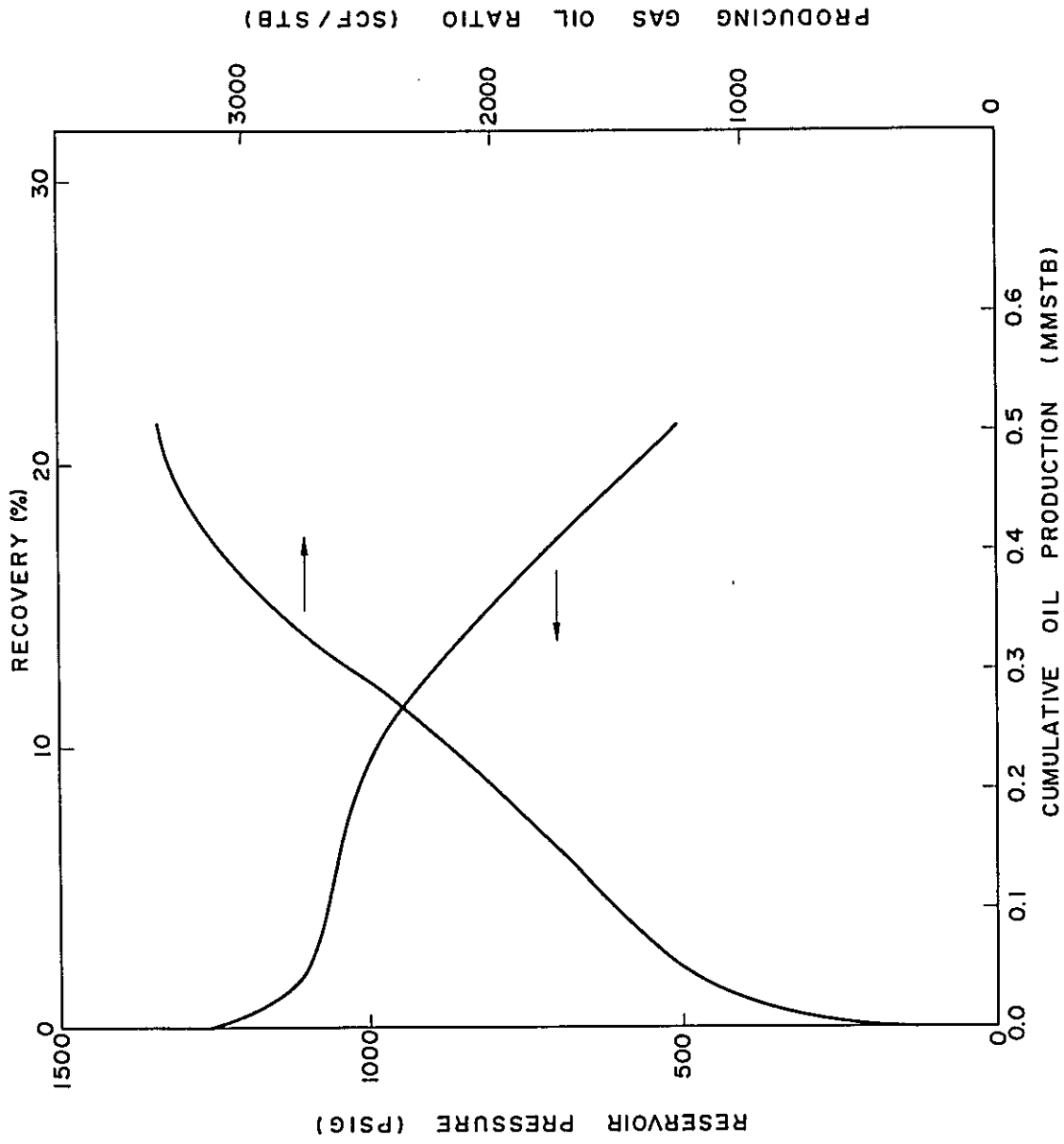


Fig. 6-3-47 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF MODEL-6, TUKAU FIELD
 Vol. IV

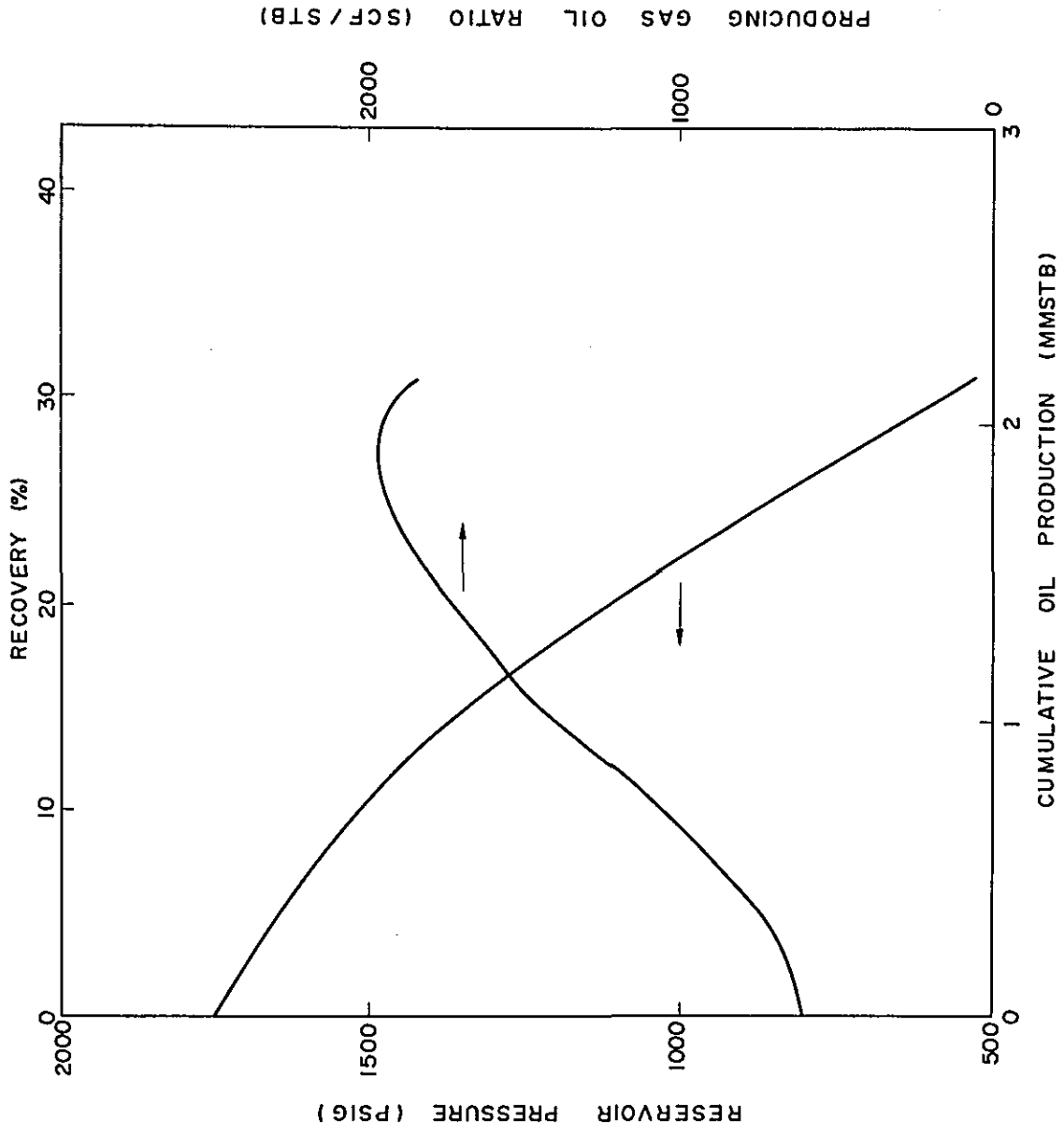


Fig. 6-3-48 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF MODEL-7, TUKAU FIELD

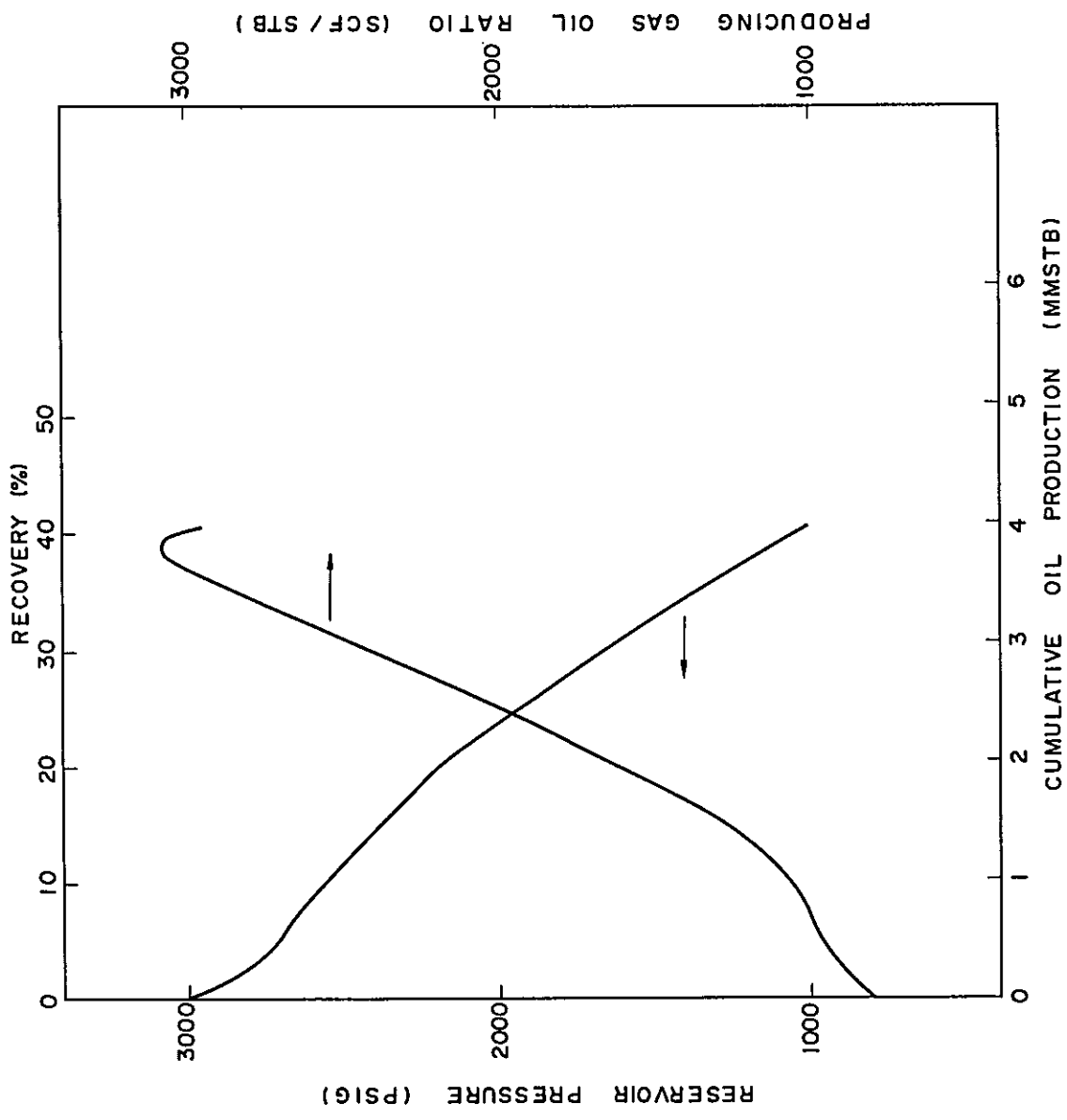


Fig. 6-3-49 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF MODEL-8, TUKAU FIELD VOL. IV

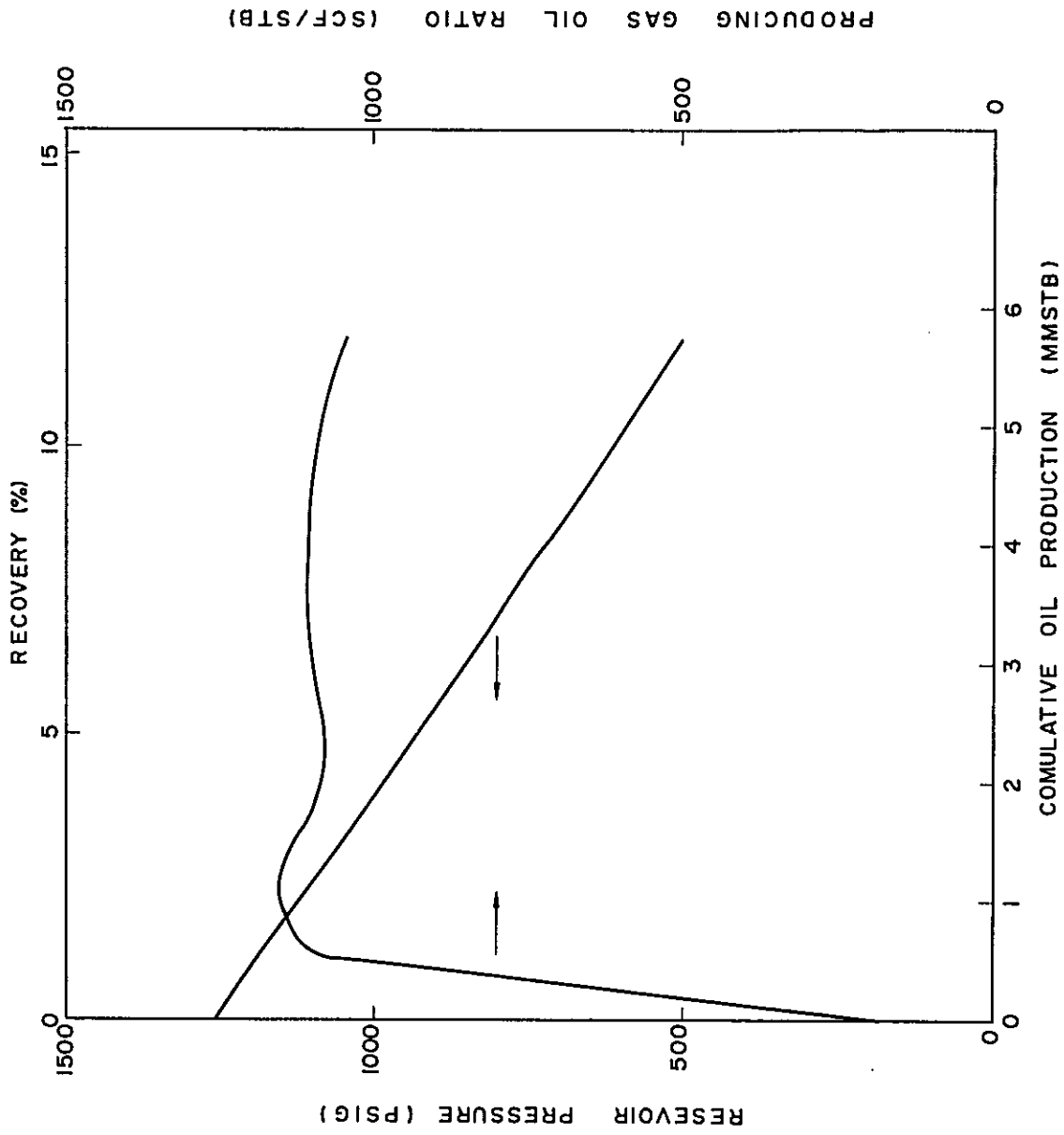


Fig. 6-3-50 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF MODEL-9, TUKAU FIELD

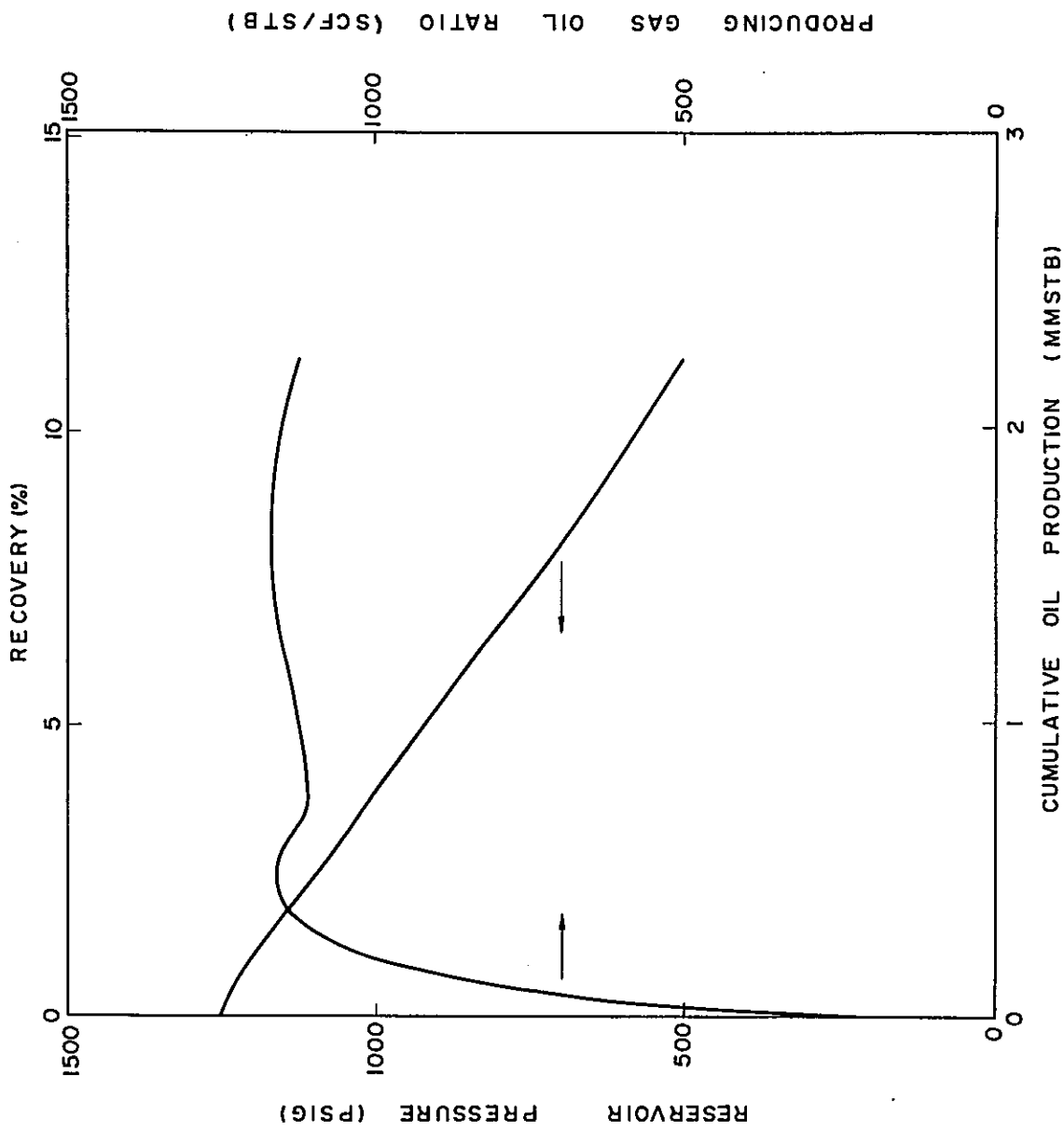


Fig. 6-3-51 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF MODEL-10, TUKAU FIELD

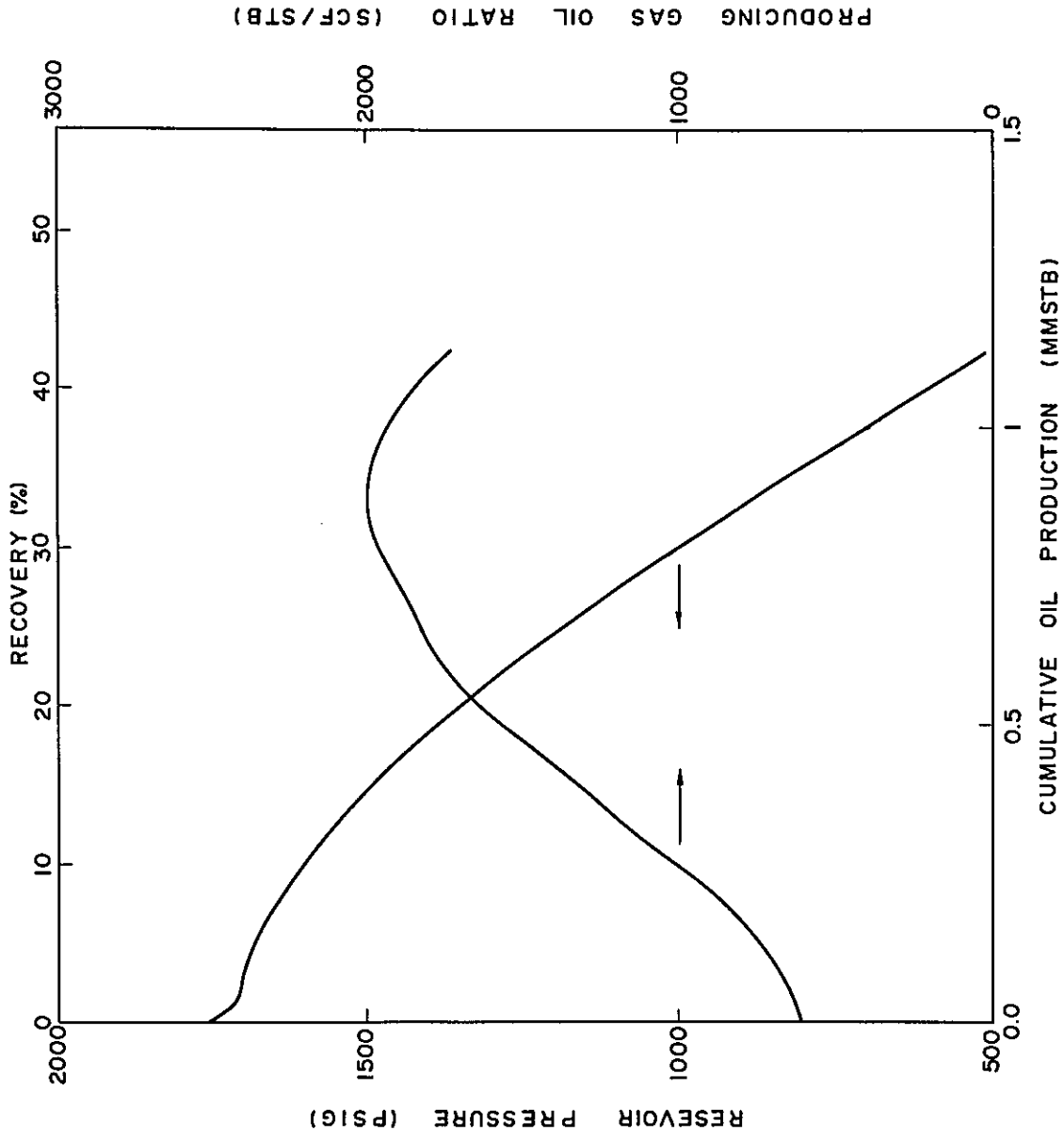


Fig. 6-3-52 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 AND PRODUCING GAS OIL RATIO OF MODEL-11, TUKAU FIELD
 Vol. IV

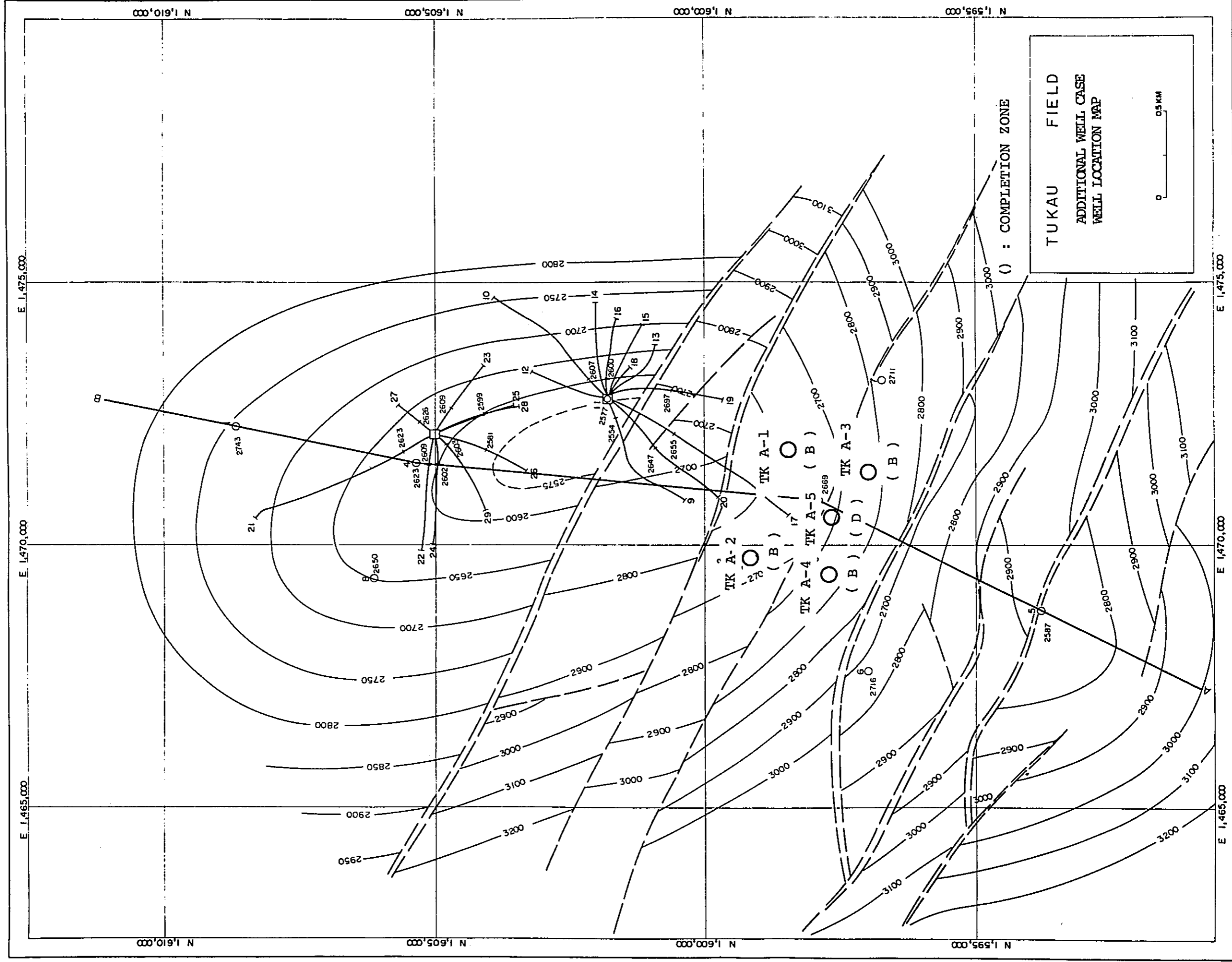


Fig. 6-3-53 ADDITIONAL WELL CASE - LOCATION MAP, TUKAU FIELD
Vol. IV

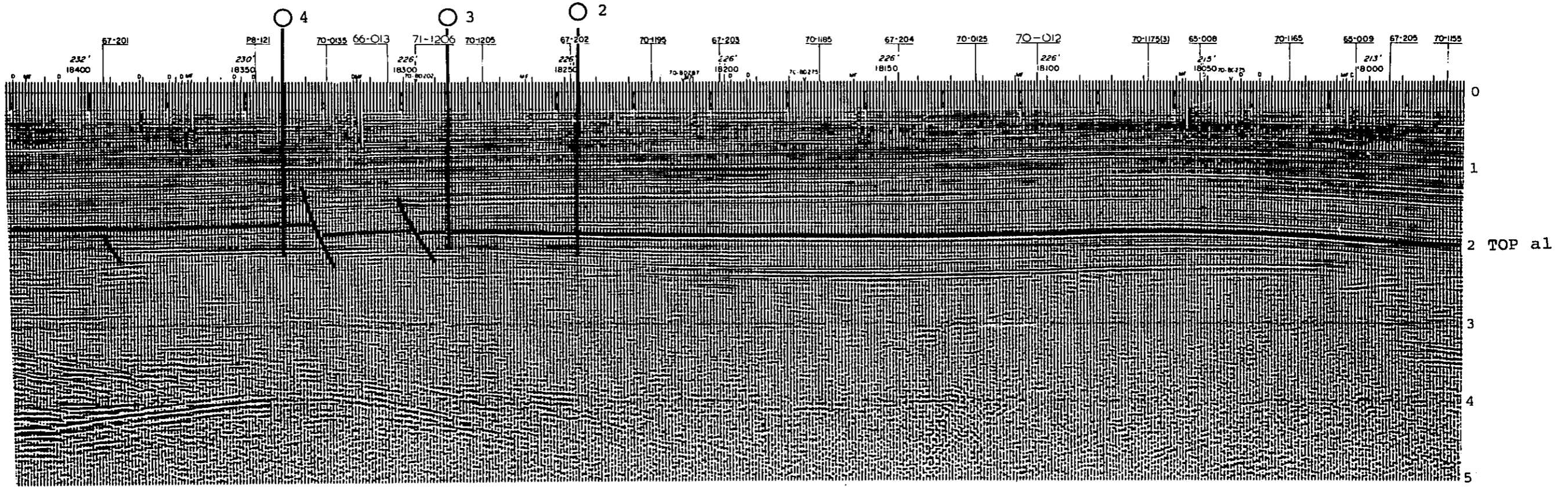


Fig. 7-1-2 SEISMIC SECTION, BETTY FIELD, Line 70-504
Vol. IV

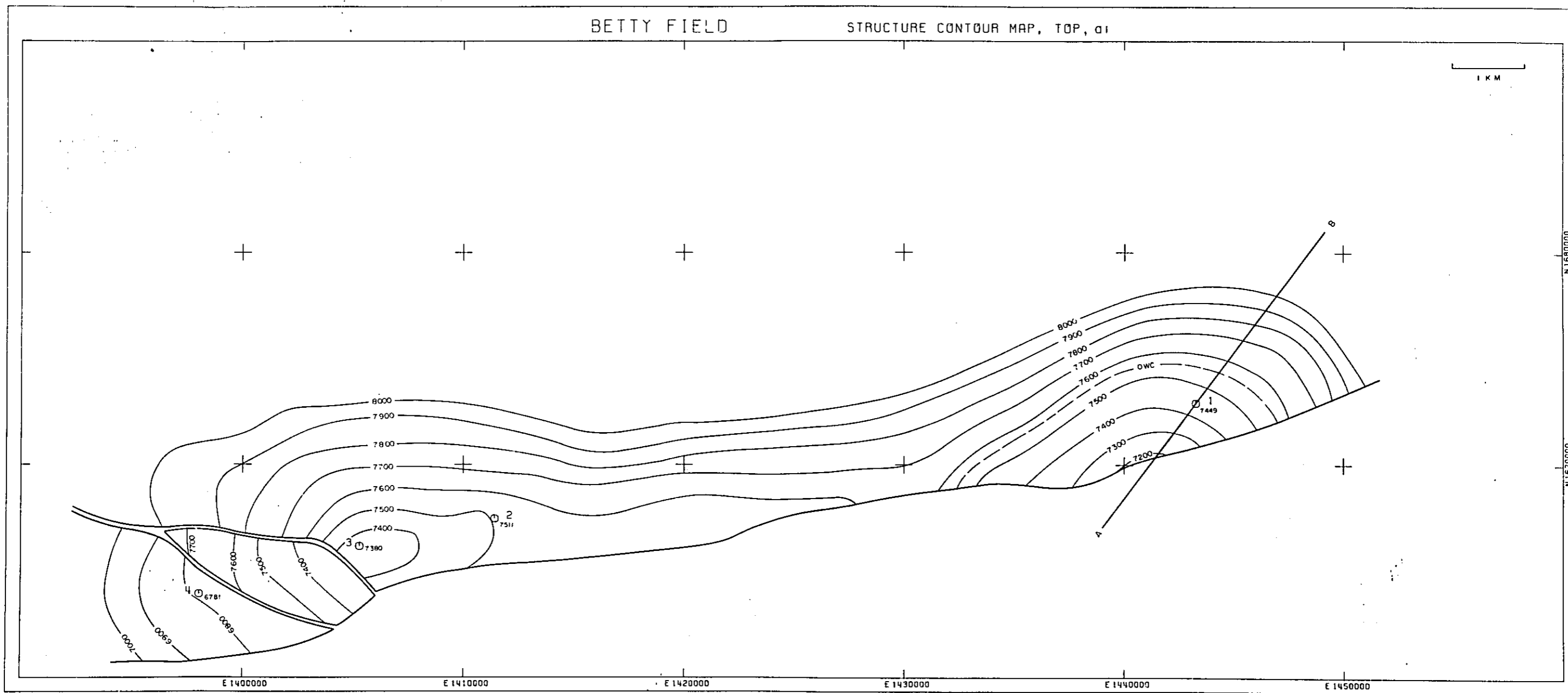


Fig. 7-2-1 STRUCTURE CONTOUR MAP, BETTY FIELD, TOP a1
Vol. IV

Fig. 7-2-2

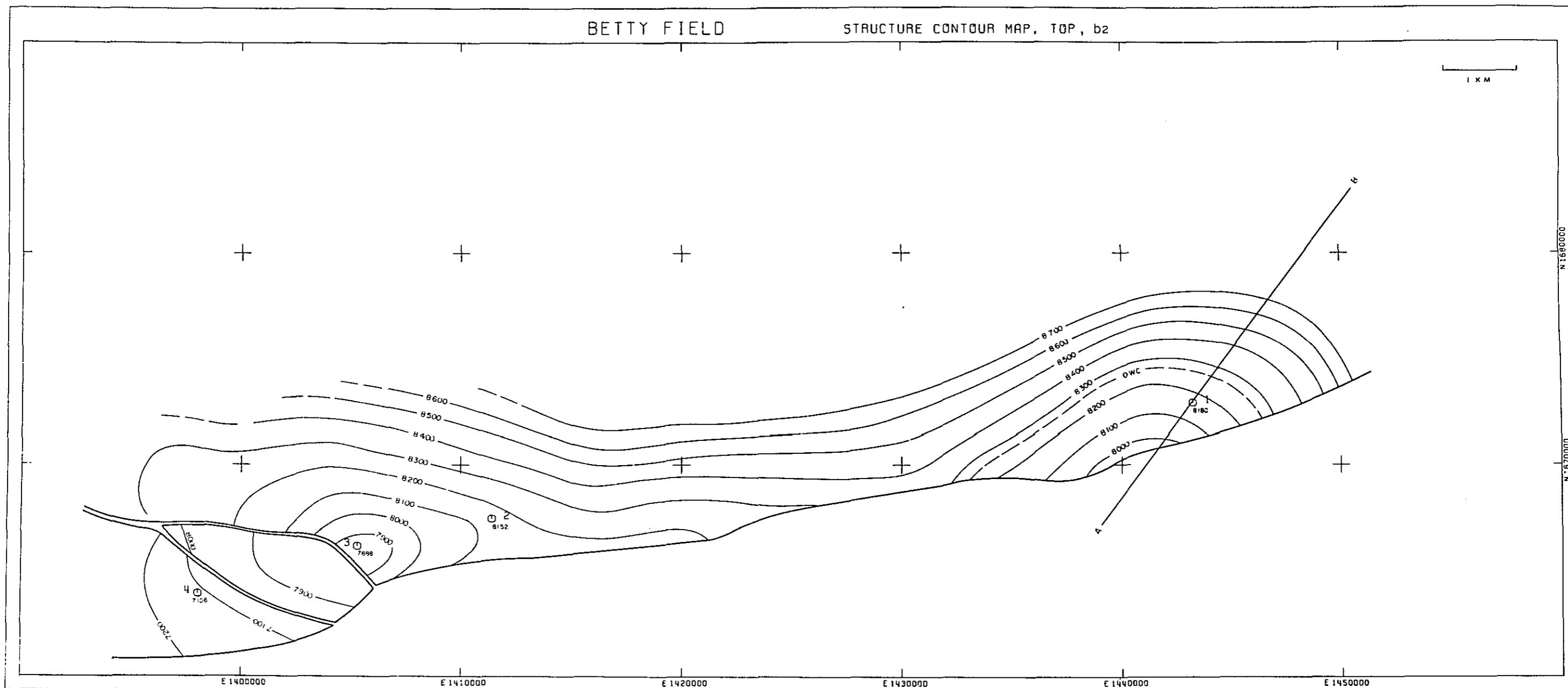


Fig. 7-2-2 STRUCTURE CONTOUR MAP, BETTY FIELD, TOP b2
Vol. IV

BETTY FIELD

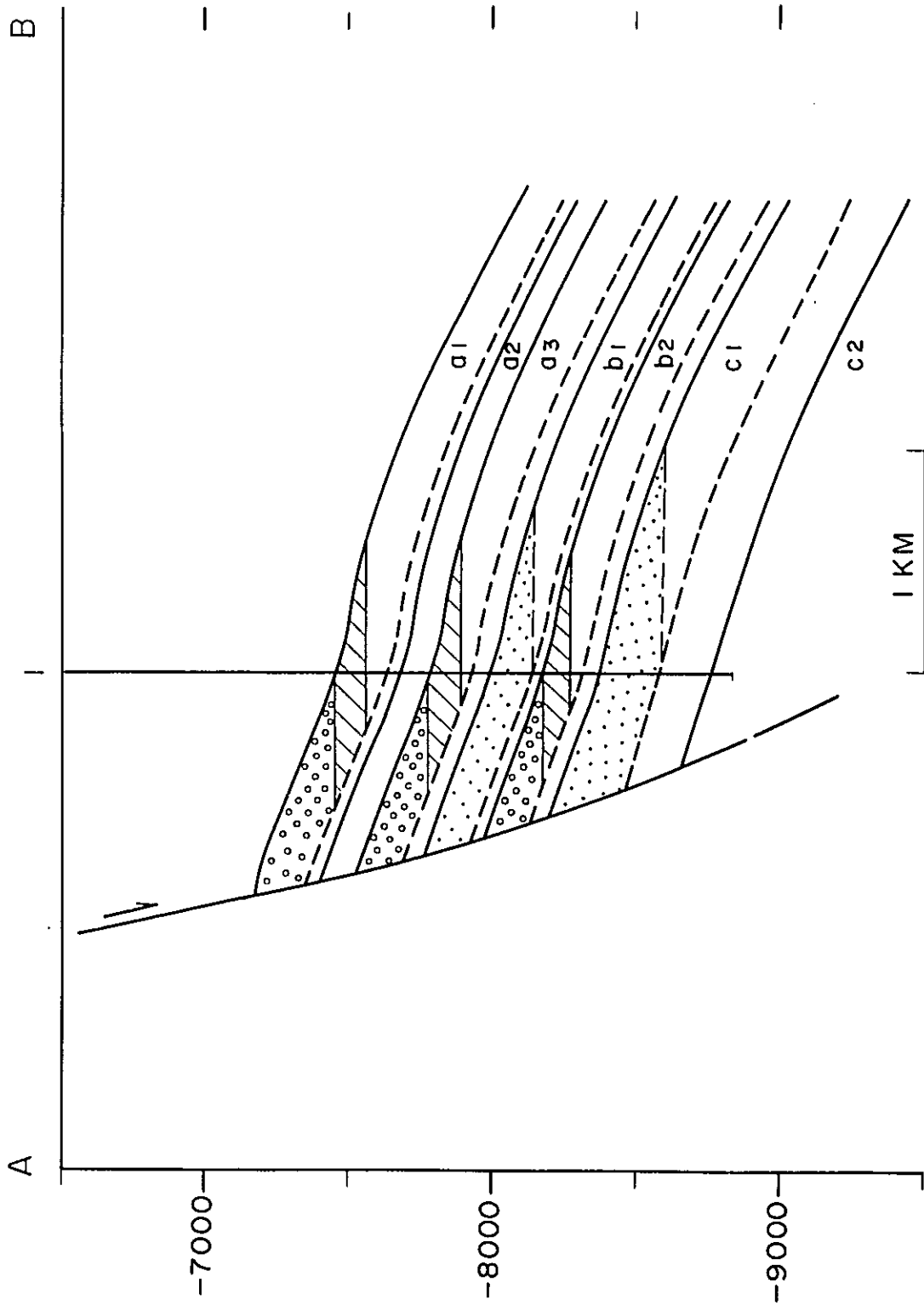


Fig. 7-2-3 STRUCTURAL CROSS-SECTION, BETTY FIELD
Vol. IV

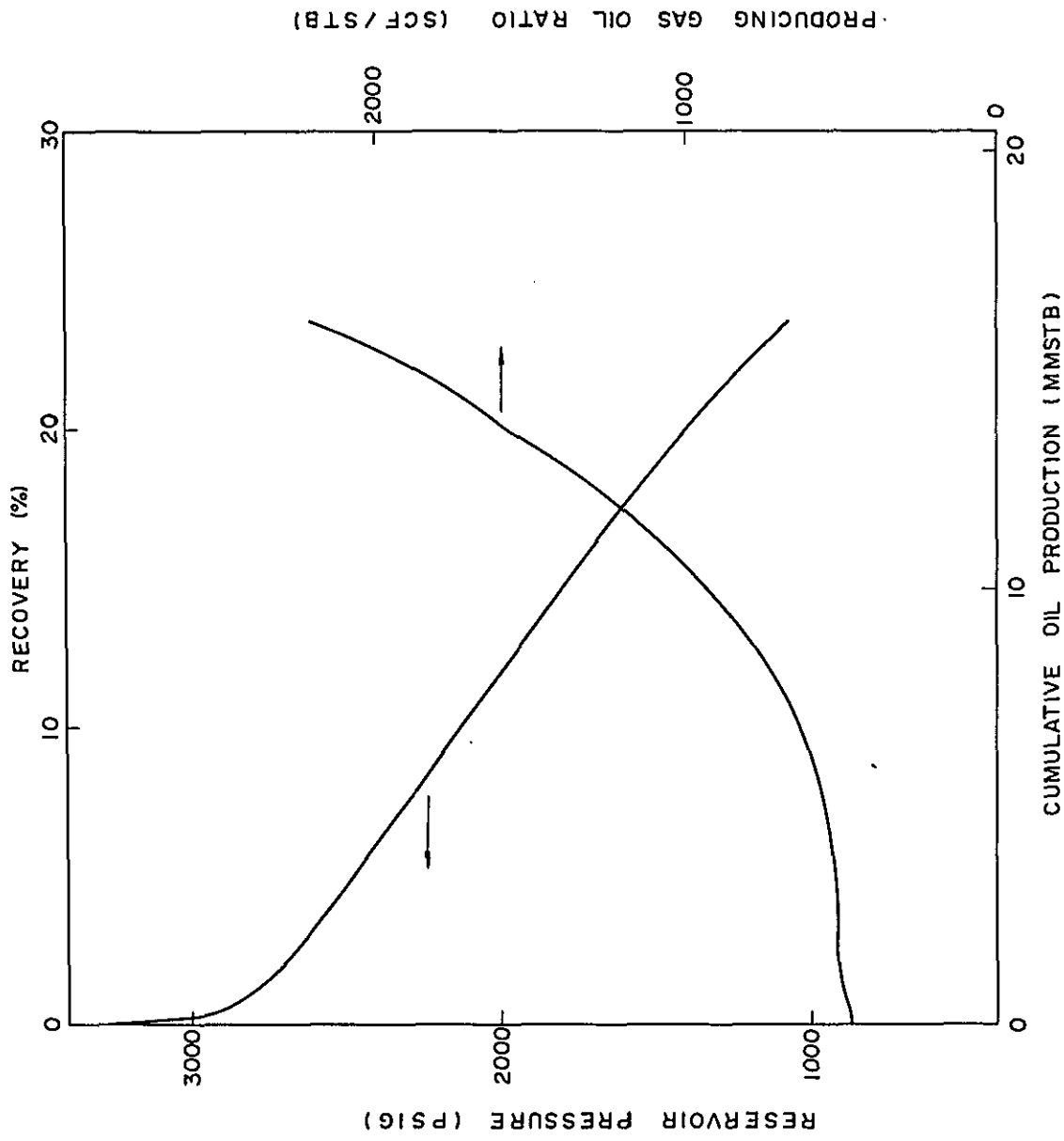


Fig. 7-3-1 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF al ZONE, BETTY FIELD Vol. IV

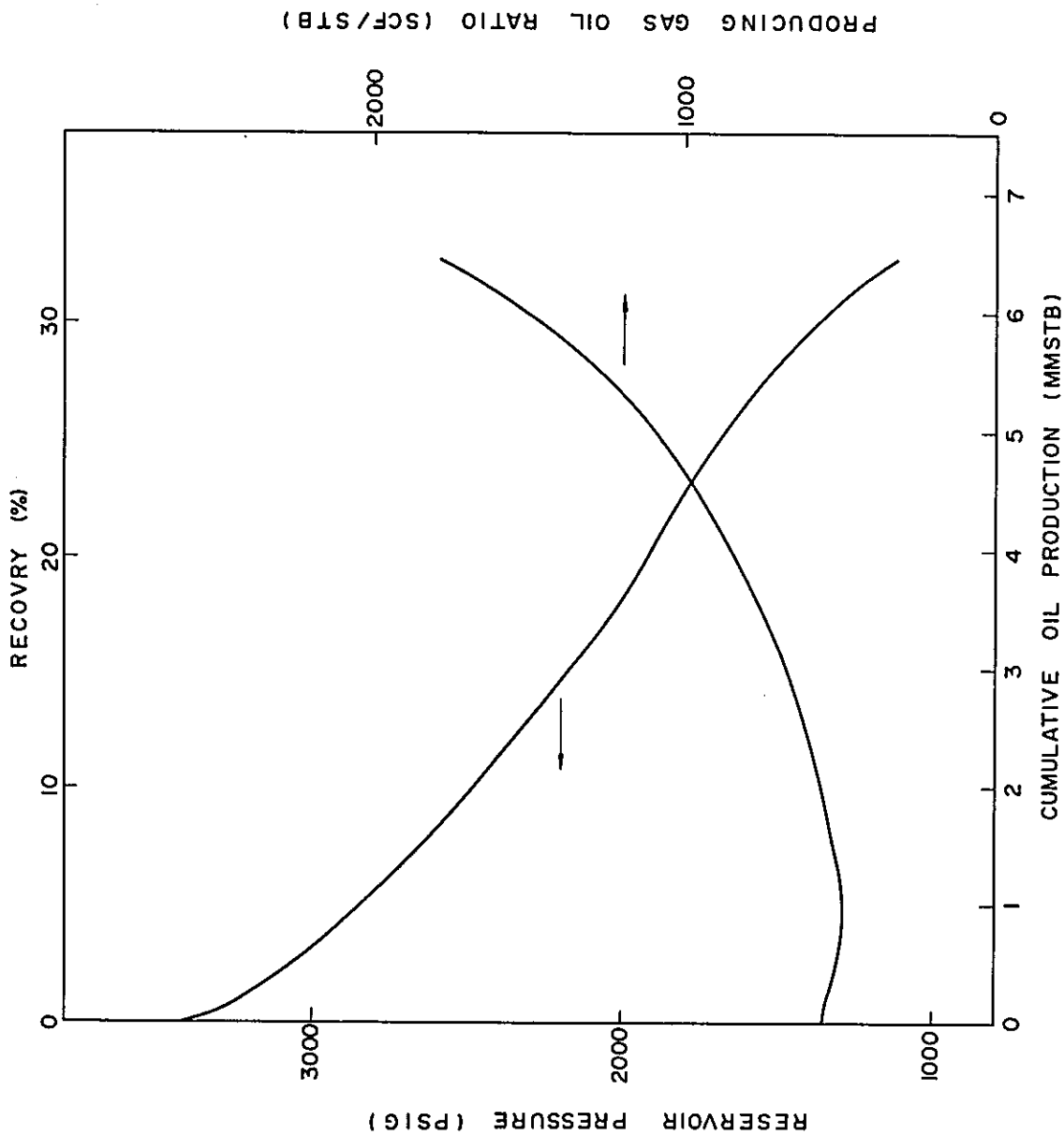


Fig. 7-3-2 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF a3 ZONE, BETTY FIELD

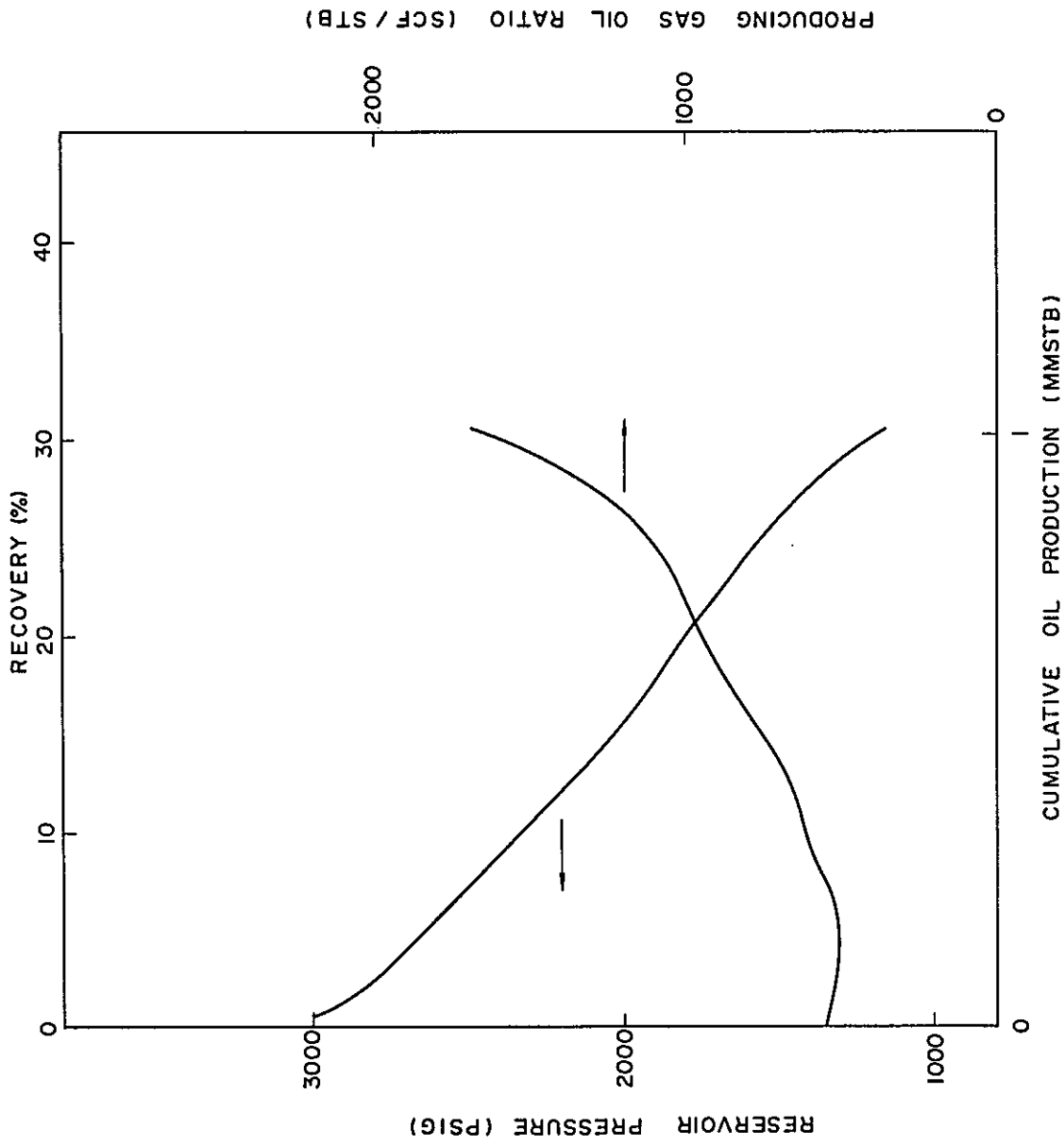


Fig. 7-3-3 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF b2 ZONE, BETTY FIELD

Fig. 8-1-1

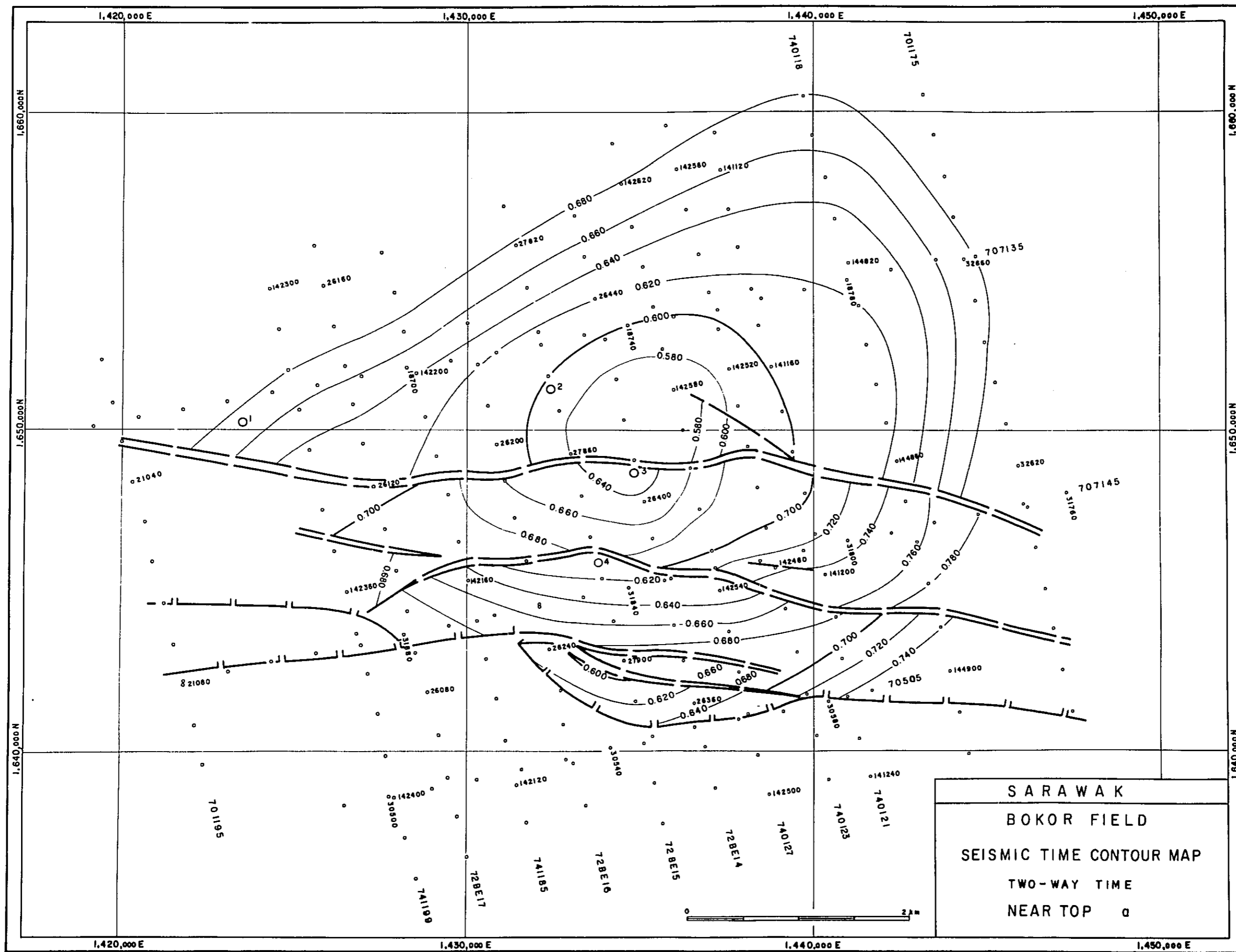


Fig. 8-1-1 TIME CONTOUR MAP, BOKOR FIELD, TOP a
Vol. IV

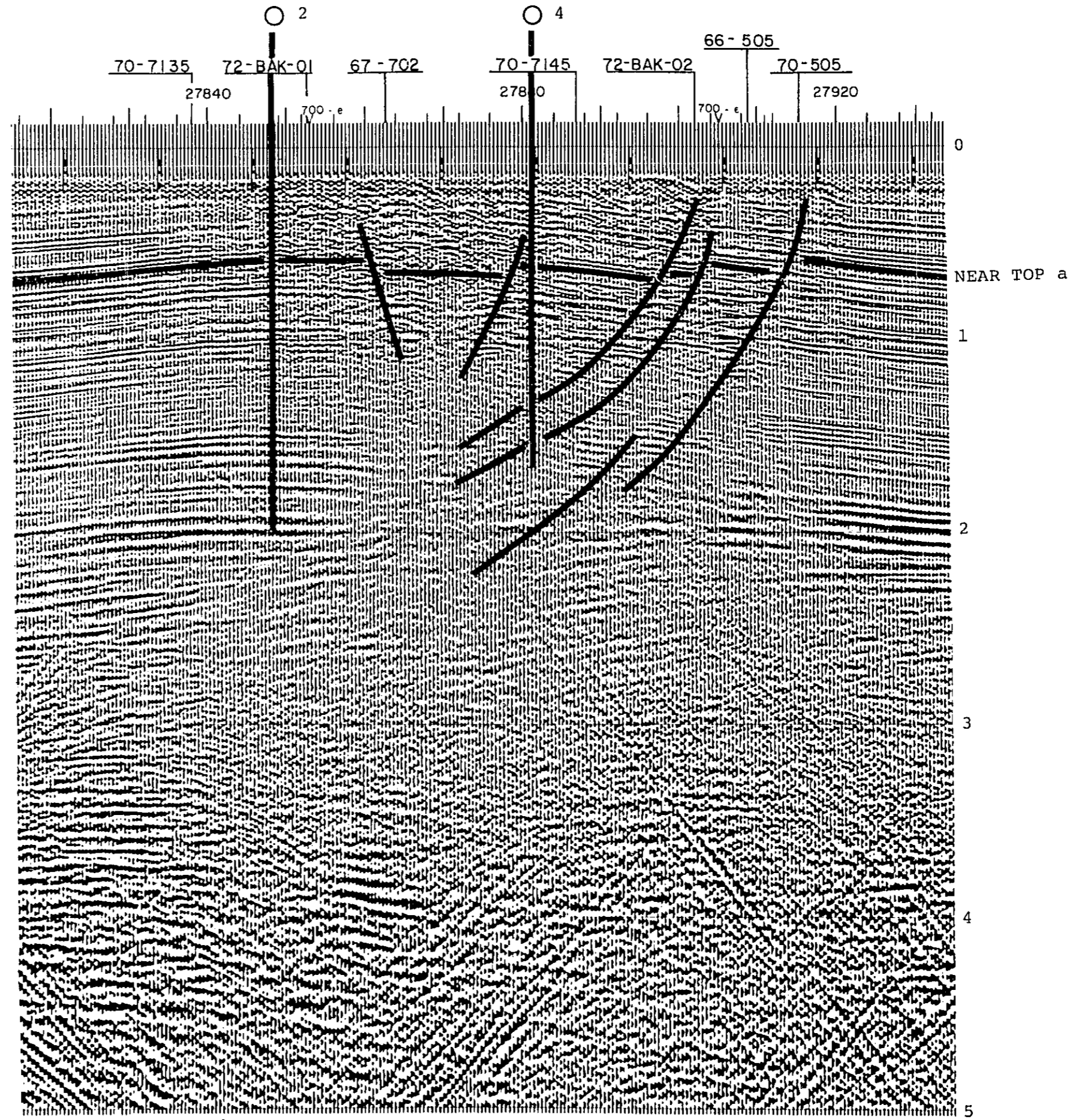


Fig. 8-1-2
Vol. IV

SEISMIC SECTION, BOKOR FIELD, Line 72-BET-15

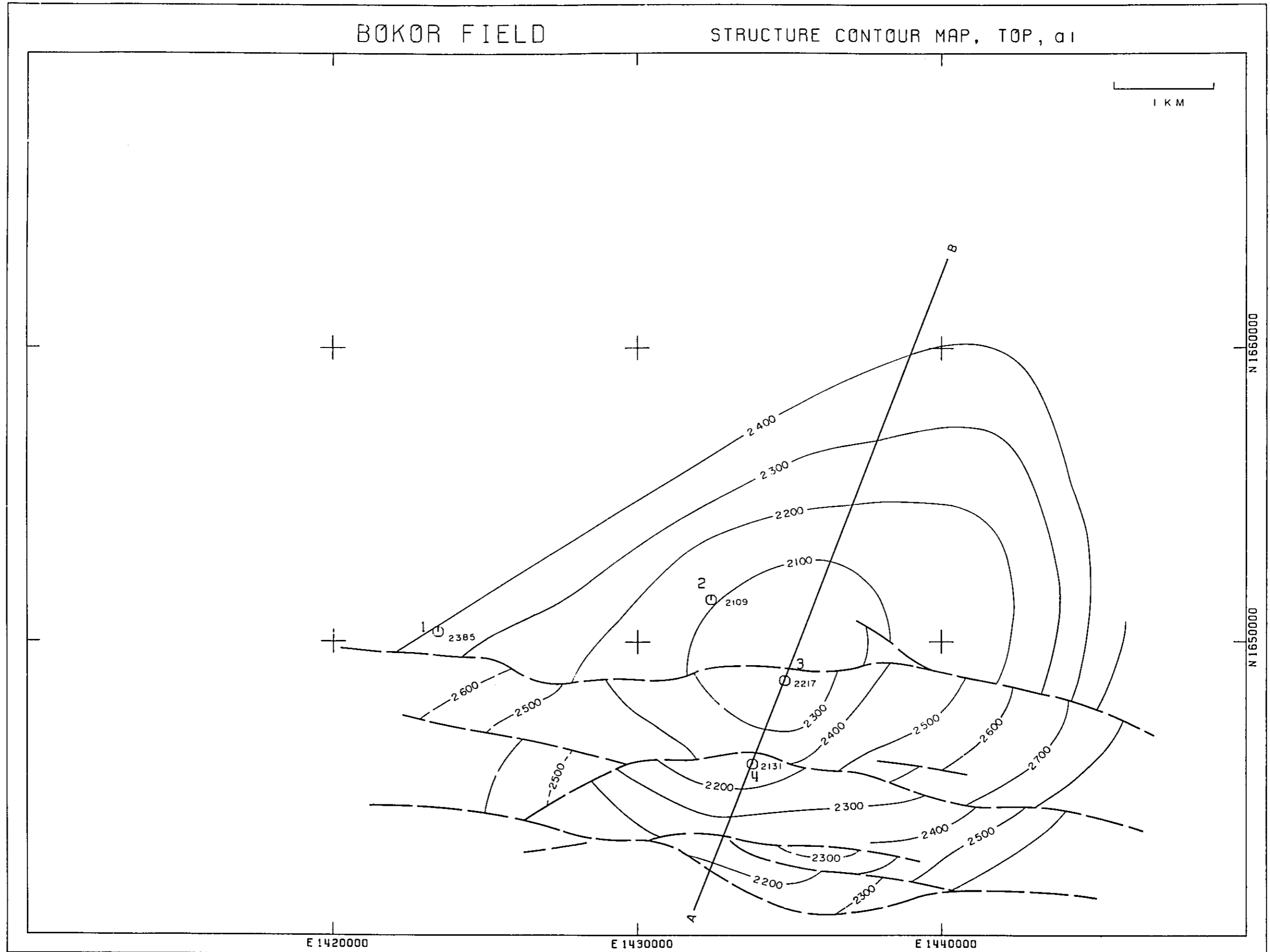
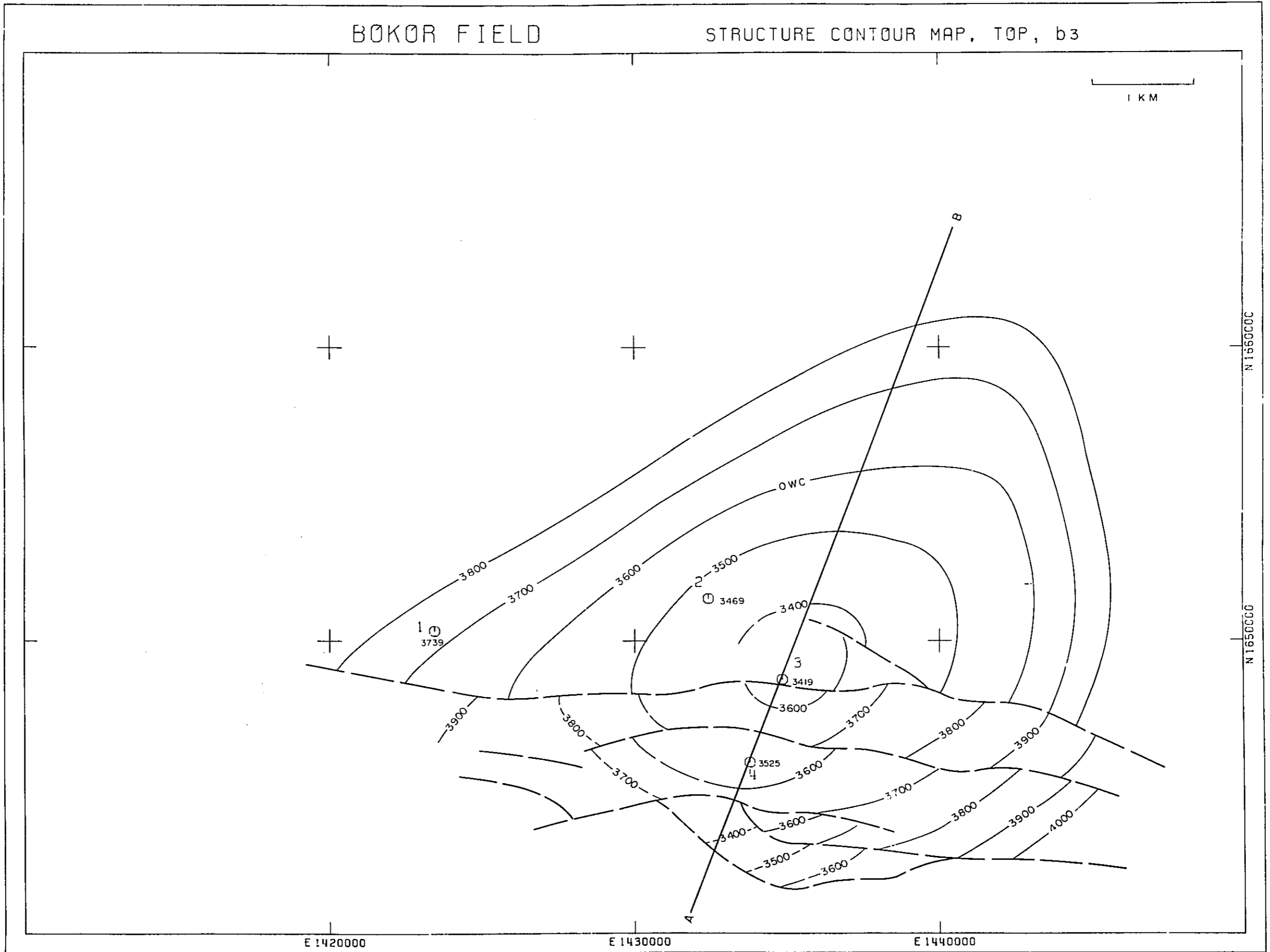


Fig. 8-2-1
Vol. IV

STRUCTURE CONTOUR MAP, BOKOR FIELD, TOP a1



BOKOR FIELD

STRUCTURE CONTOUR MAP, TOP, b3

1 KM

E 1420000

E 1430000

E 1440000

N 1660000

N 1650000

Fig. 8-2-2
Vol. IV

STRUCTURE CONTOUR MAP, BOKOR FIELD, TOP b3

BOKOR FIELD

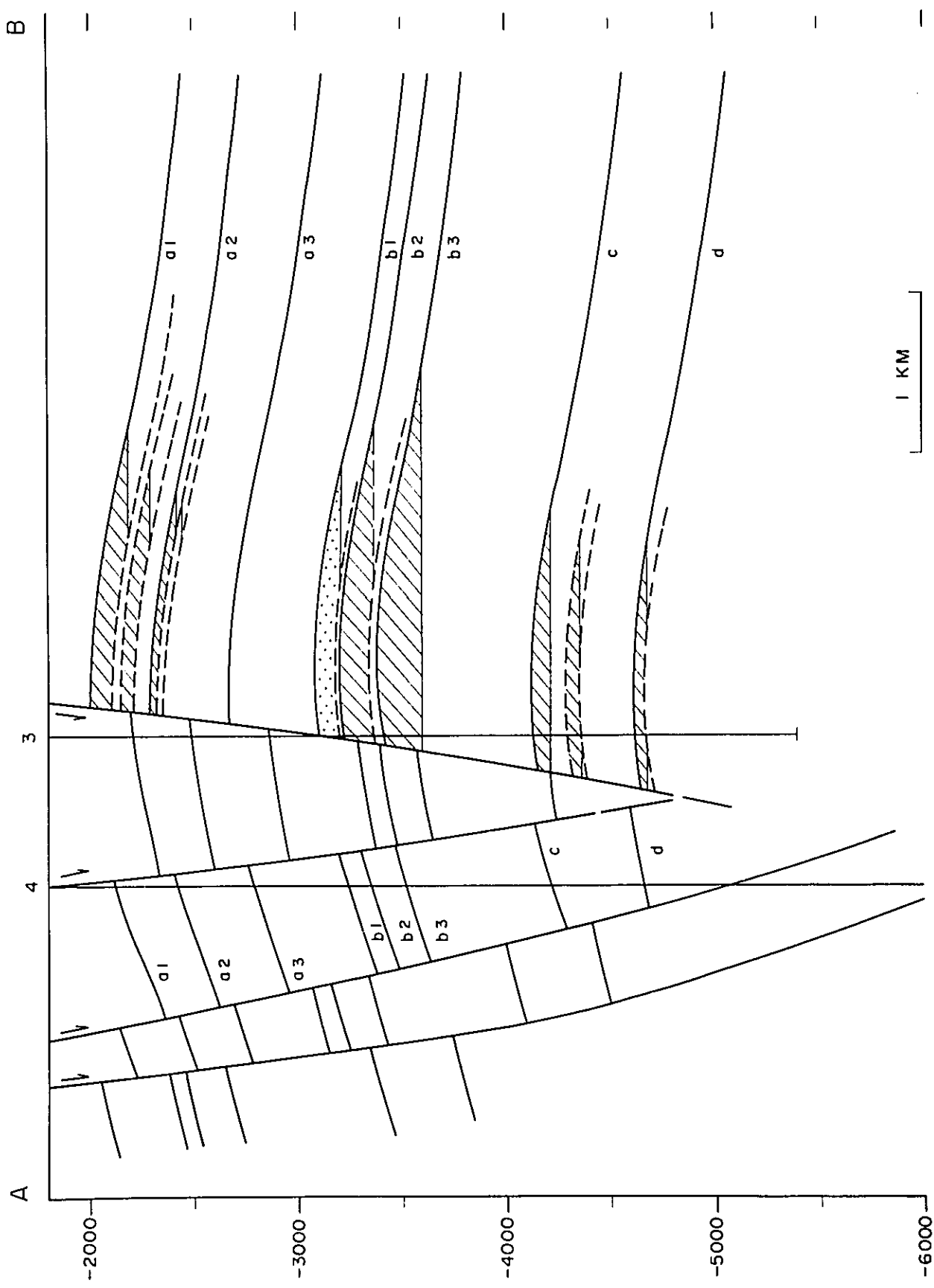


Fig. 8-2-3 STRUCTURAL CROSS-SECTION, BOKOR FIELD
Vol. IV

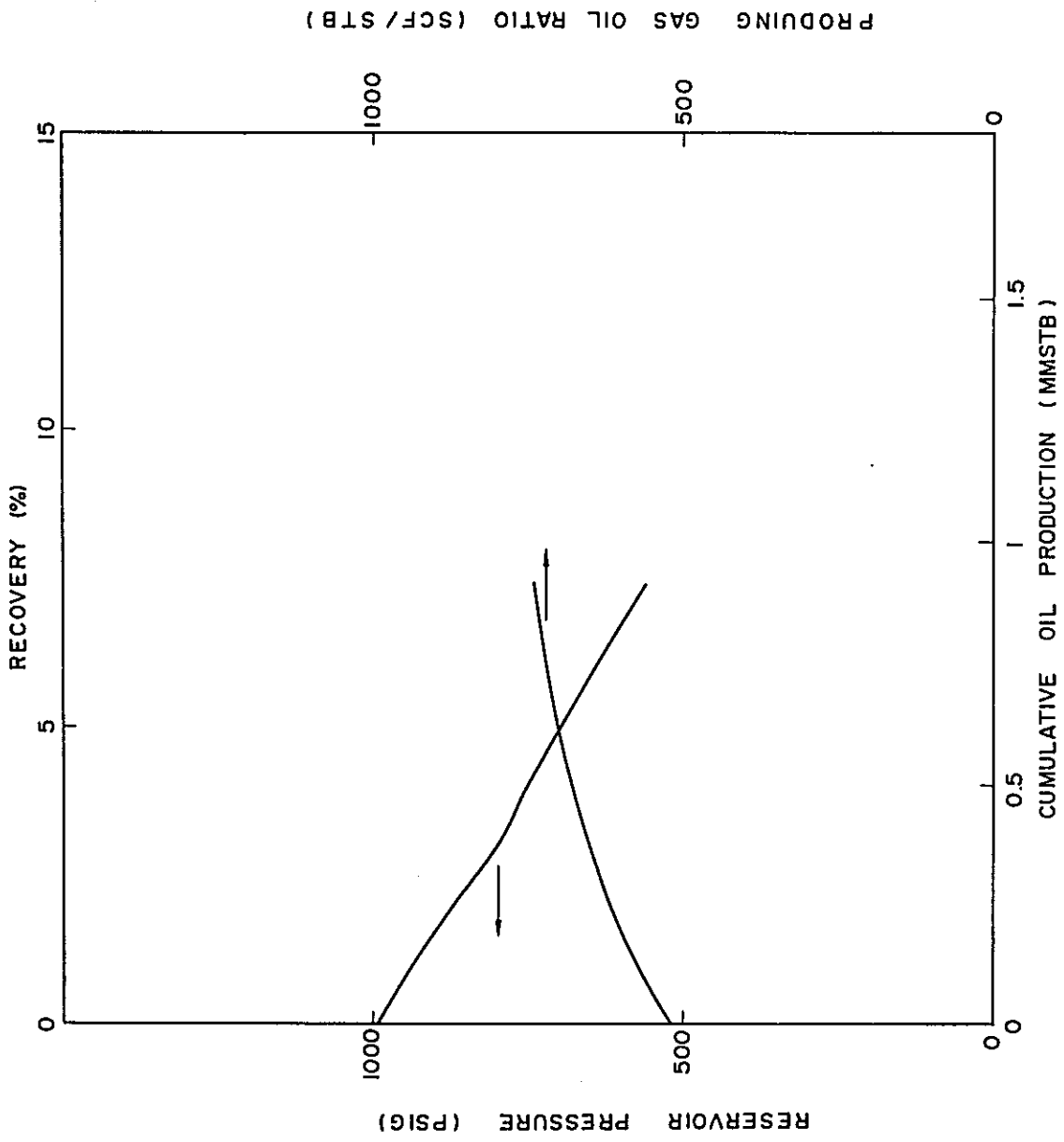


Fig. 8-3-1-1 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF a1 ZONE, BOKOR FIELD
 Vol. IV

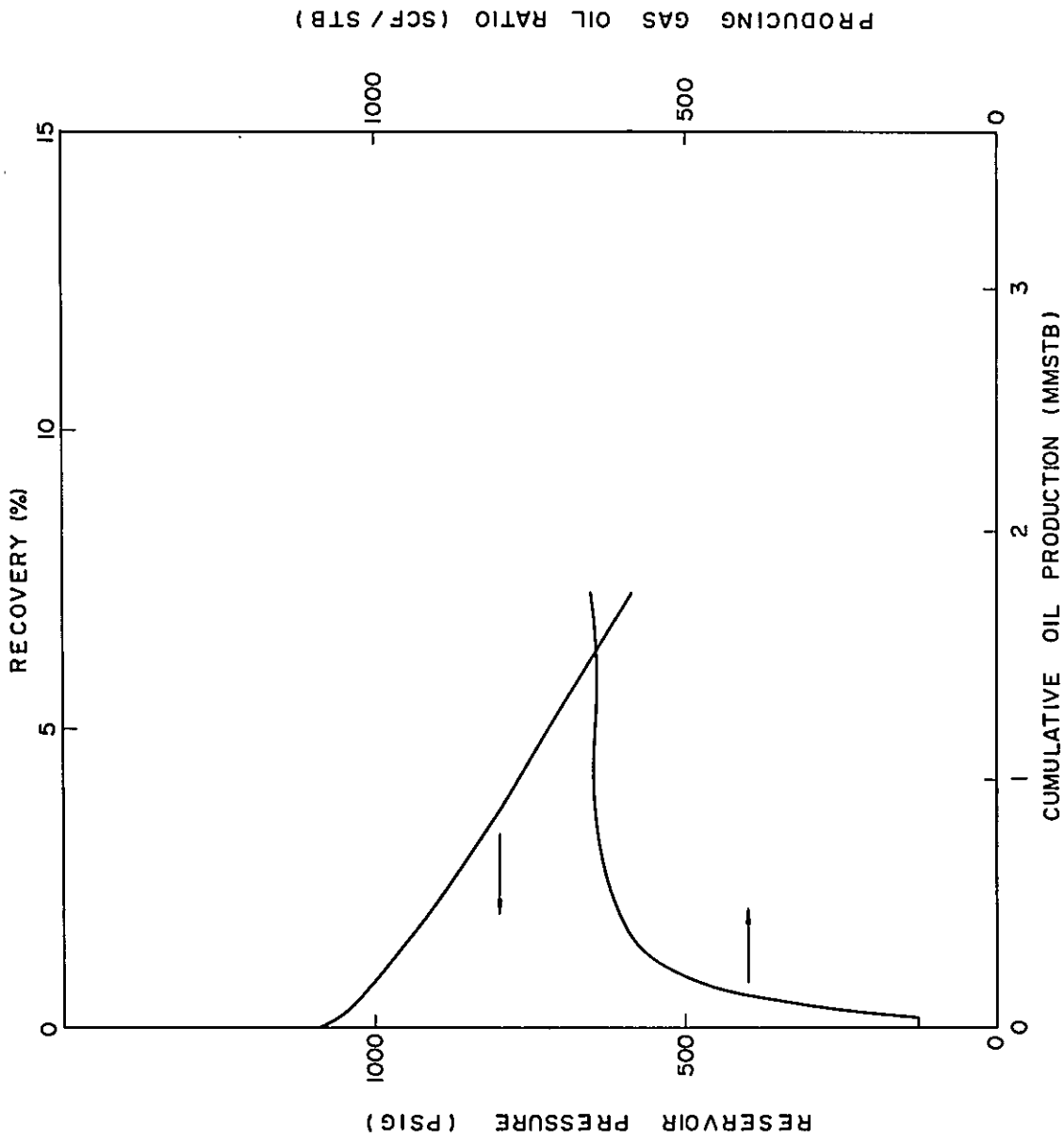


Fig. 8-3-2. CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE AND PRODUCING GAS OIL RATIO OF a2 ZONE, BOKOR FIELD Vol. IV

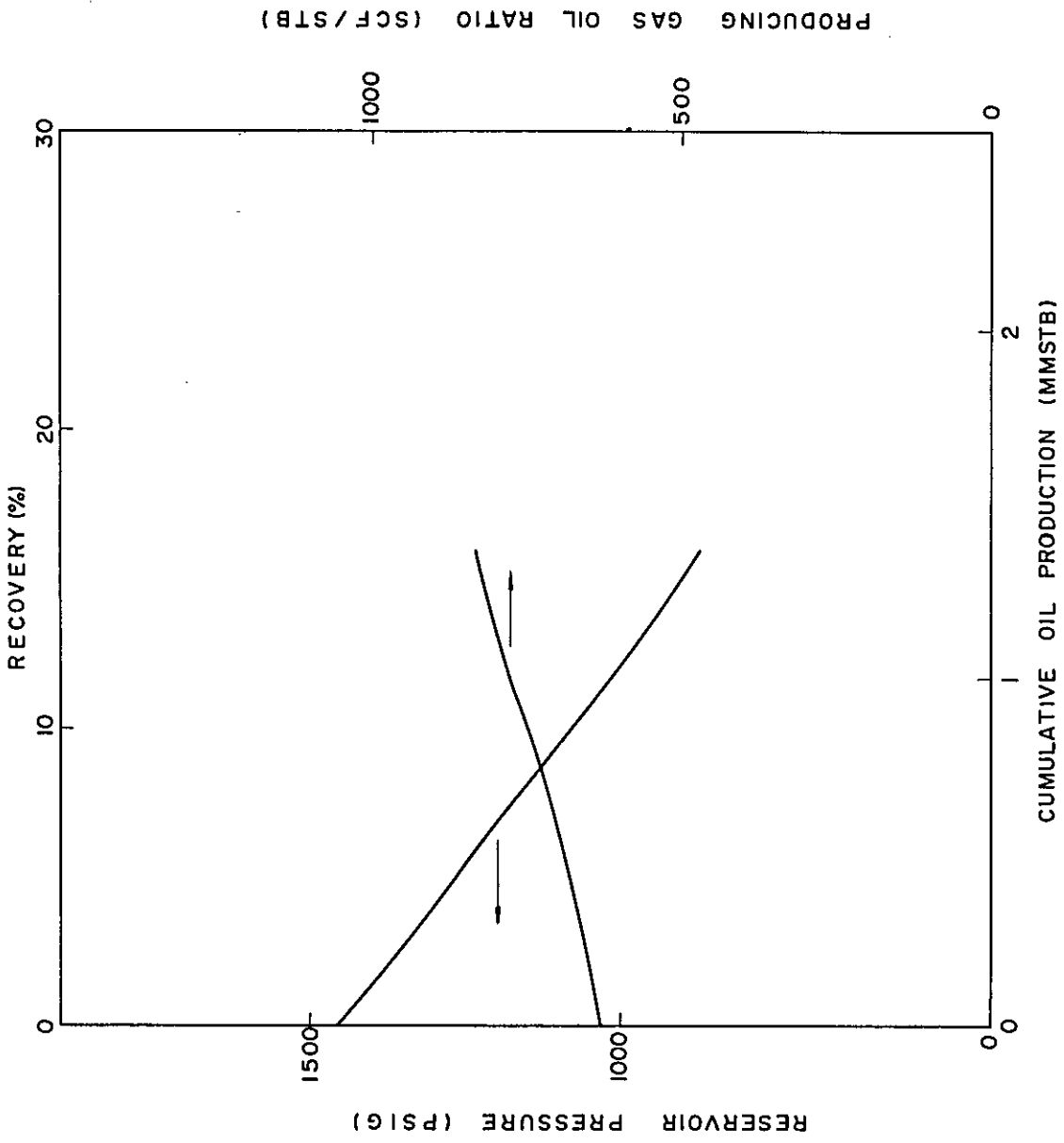


Fig. 8-3-3 CUMULATIVE OIL PRODUCTION VS. RESERVOIR PRESSURE
 Vol. IV AND PRODUCING GAS OIL RATIO OF b2 ZONE, BOKOR FIELD

Fig. 9-1-1

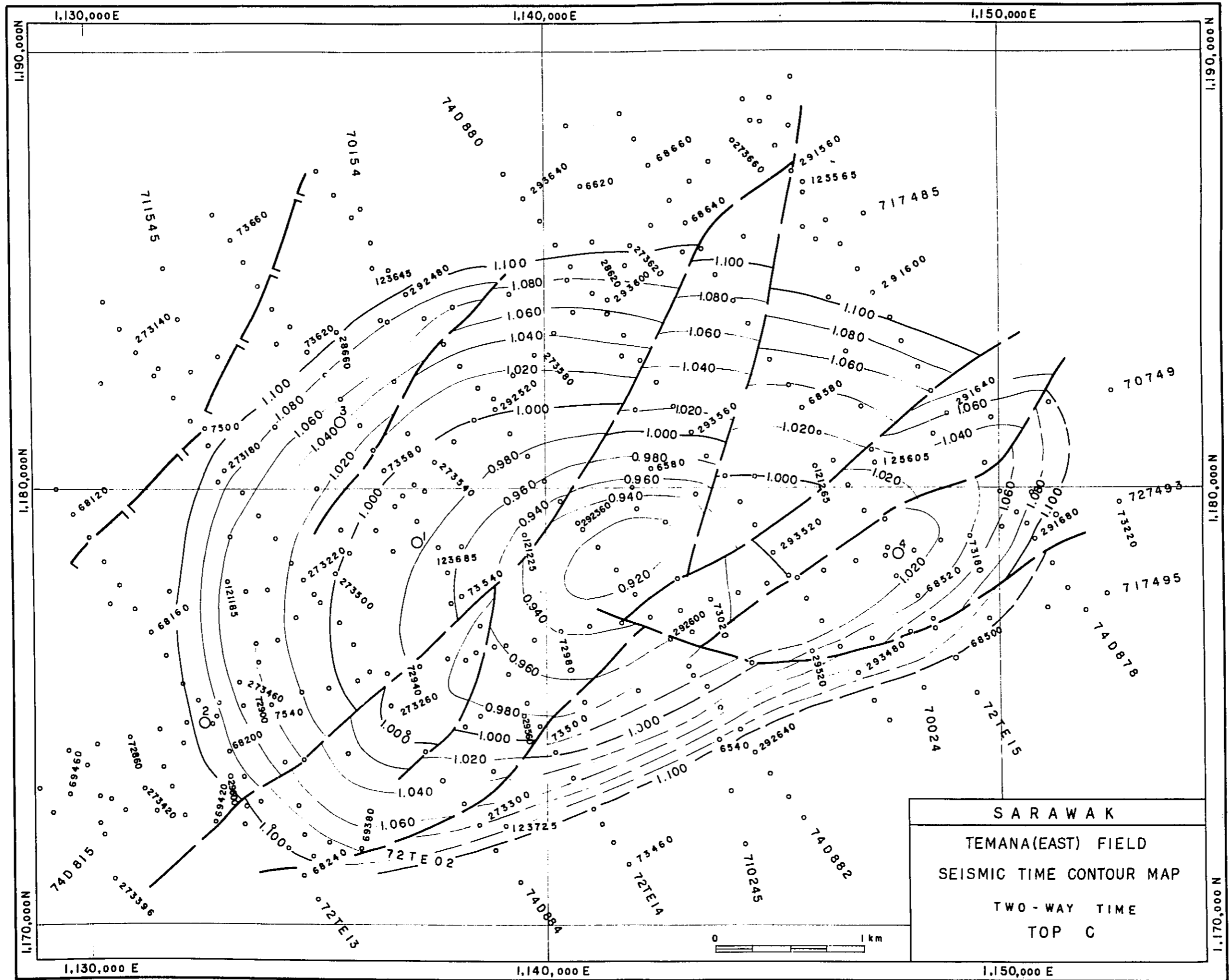


Fig. 9-1-1 TIME COONTOUR MAP, TEMANA FIELD (EAST), TOP c
Vol. IV

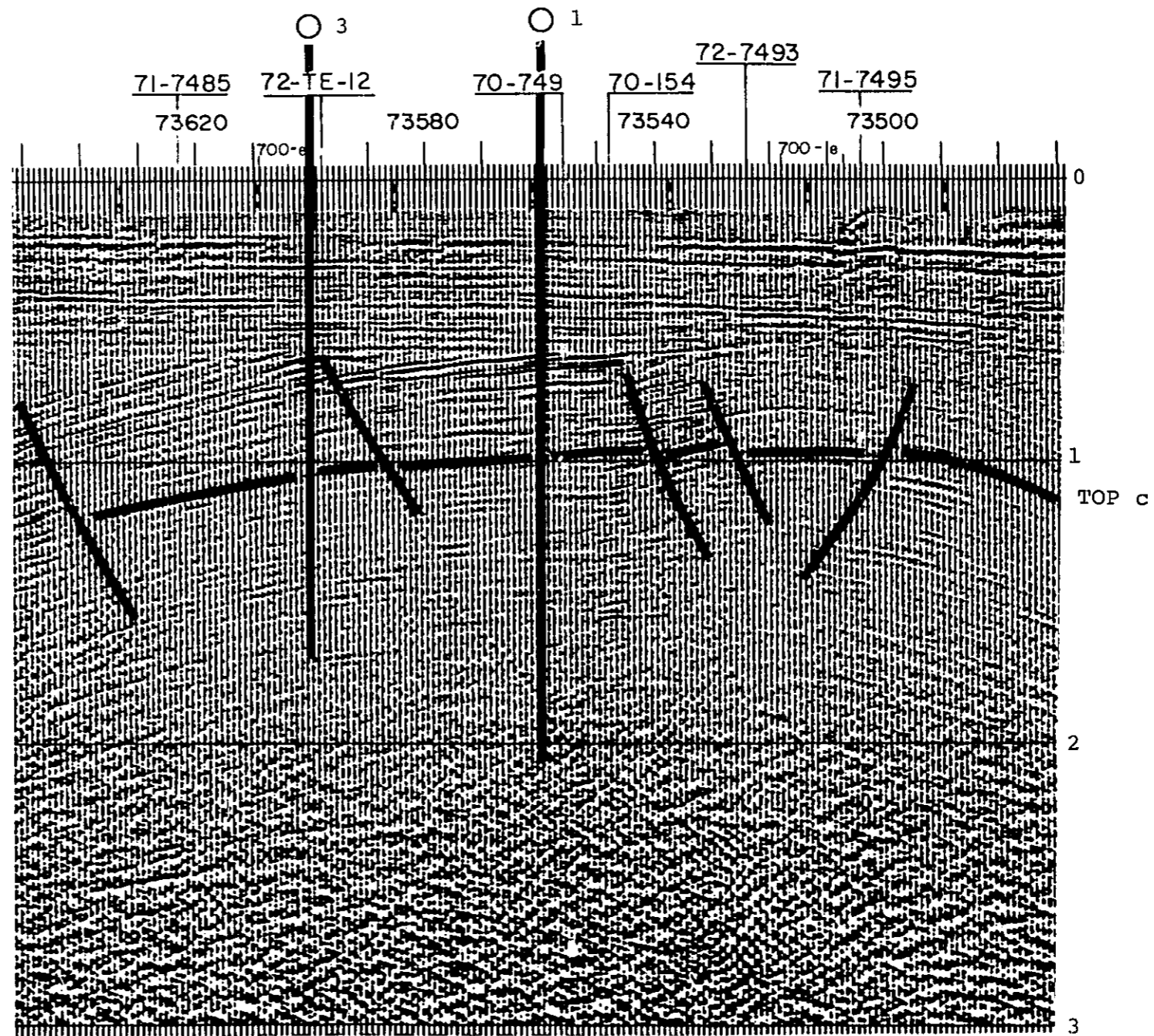


Fig. 9-1-2 SEISMIC SECTION, TEMANA FIELD (EAST), Line 72-TE-14
Vol. IV

Fig. 9-1-3

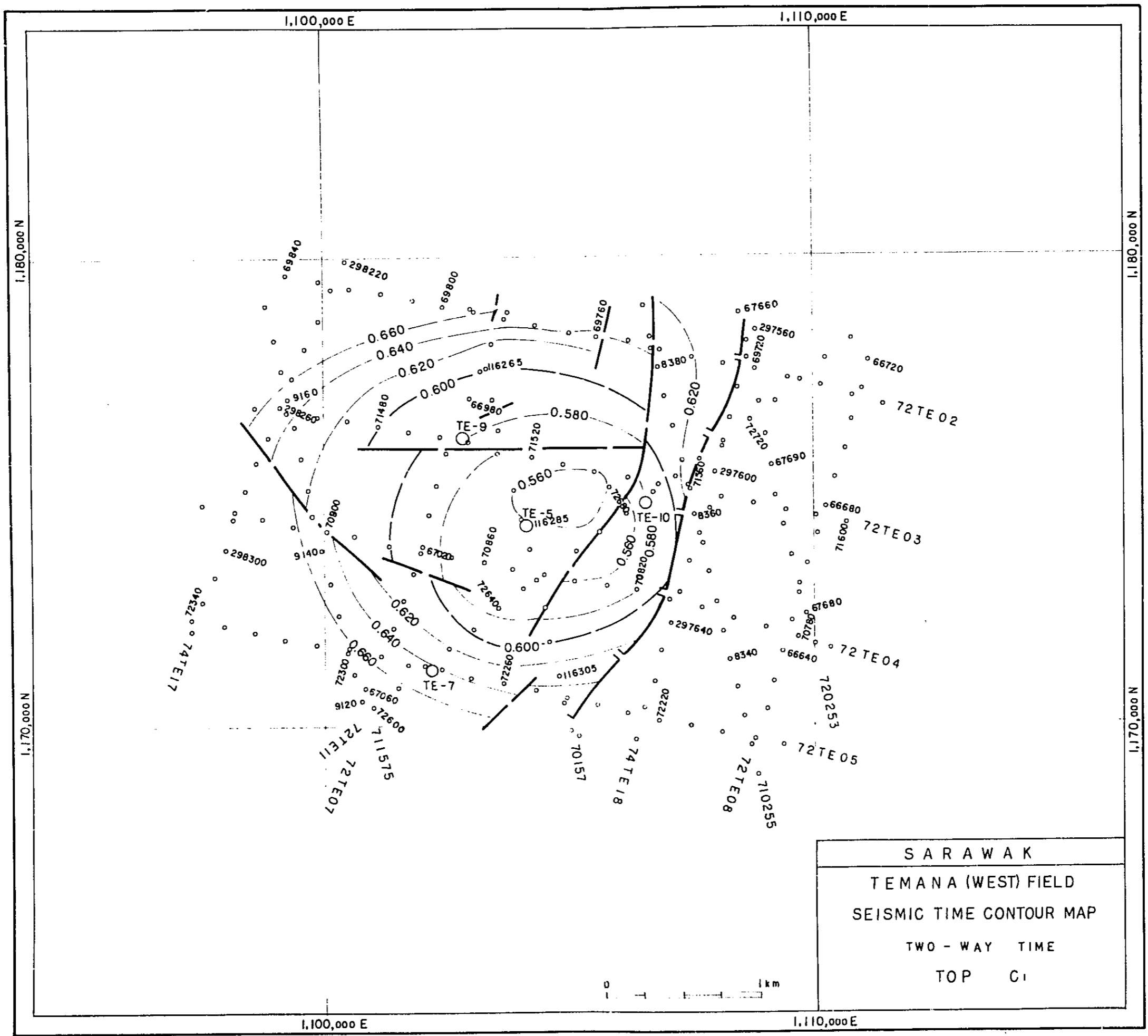


Fig. 9-1-3 TIME CONTOUR MAP, TEMANA FIELD (WEST), TOP C1
Vol. IV

Fig. 9-1-4

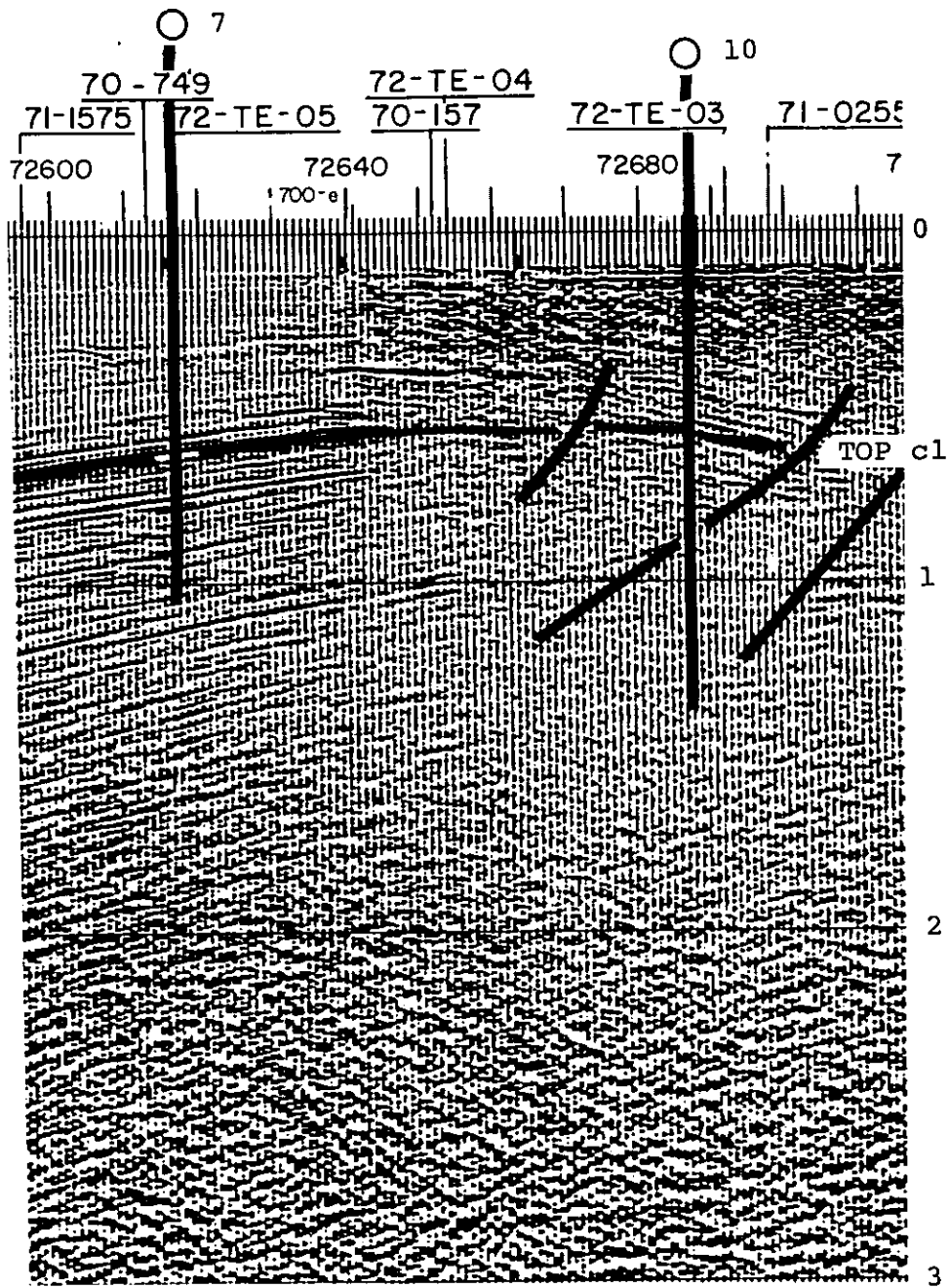


Fig. 9-1-4 SEISMIC SECTION, TEMANA FIELD (WEST), Line 72-TE-11
Vol. IV

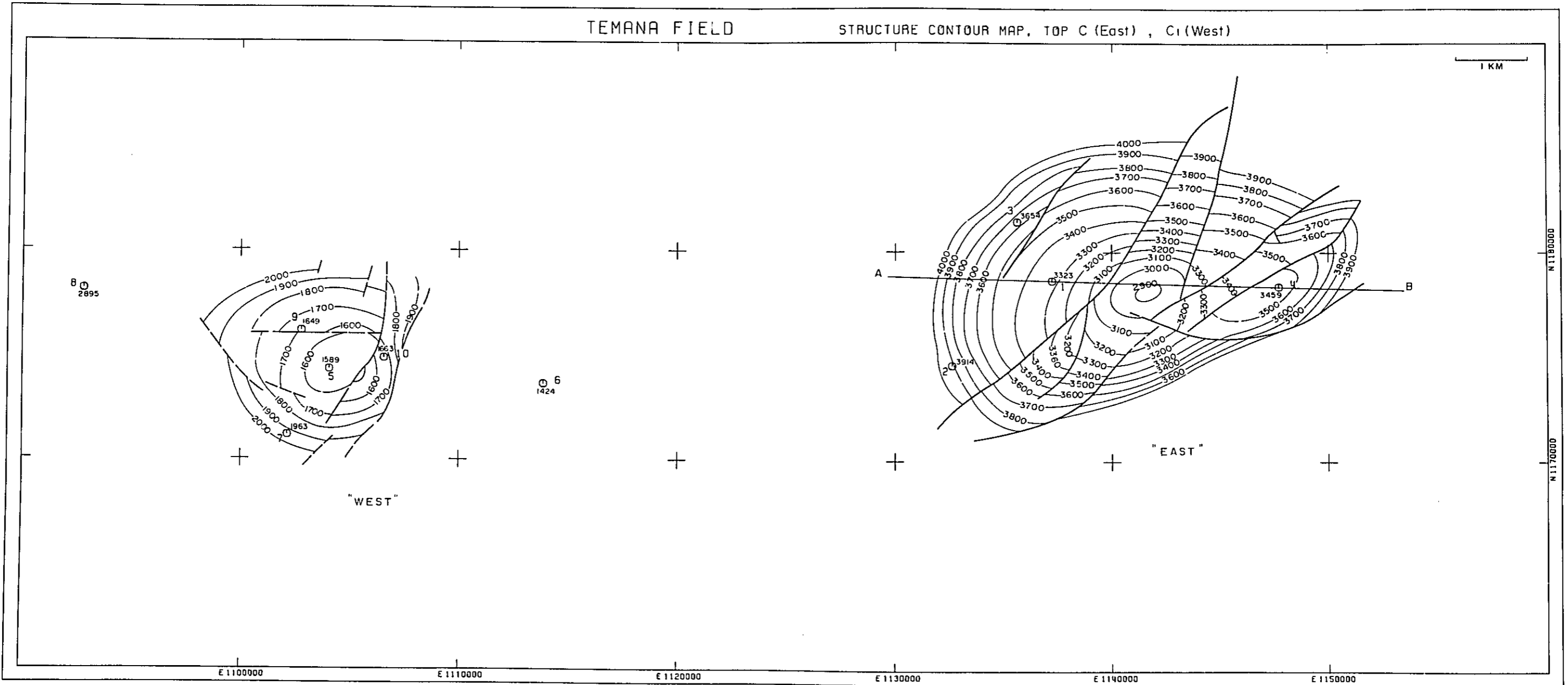


Fig. 9-2-1 STRUCTURE CONTOUR MAP, TEMANA FIELD, TOP c/c1
Vol. IV

TEMANA FIELD

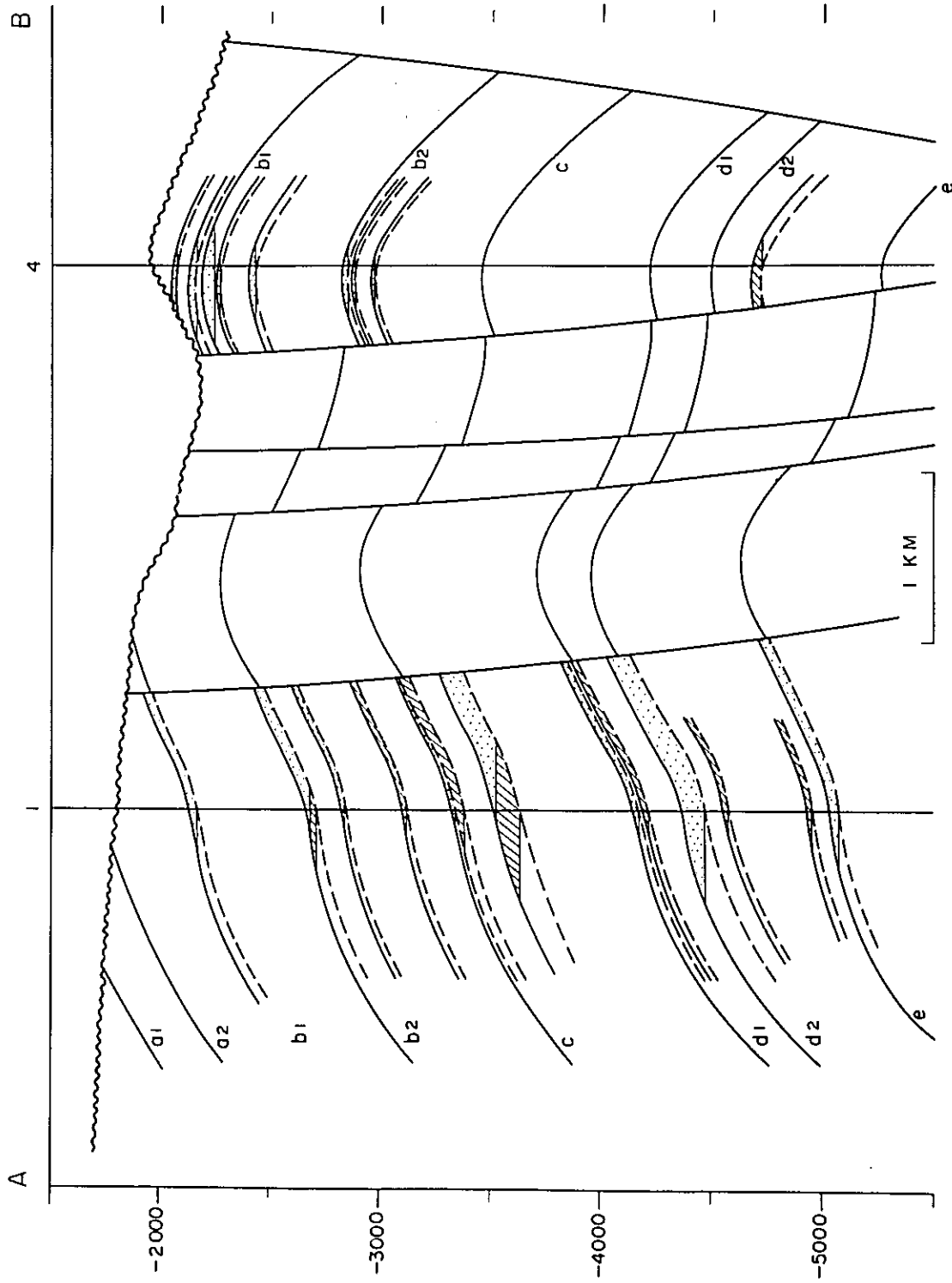


Fig. 9-2-2 STRUCTURAL CROSS-SECTION, TEMANA FIELD
Vol. IV

Fig. 10-1-1

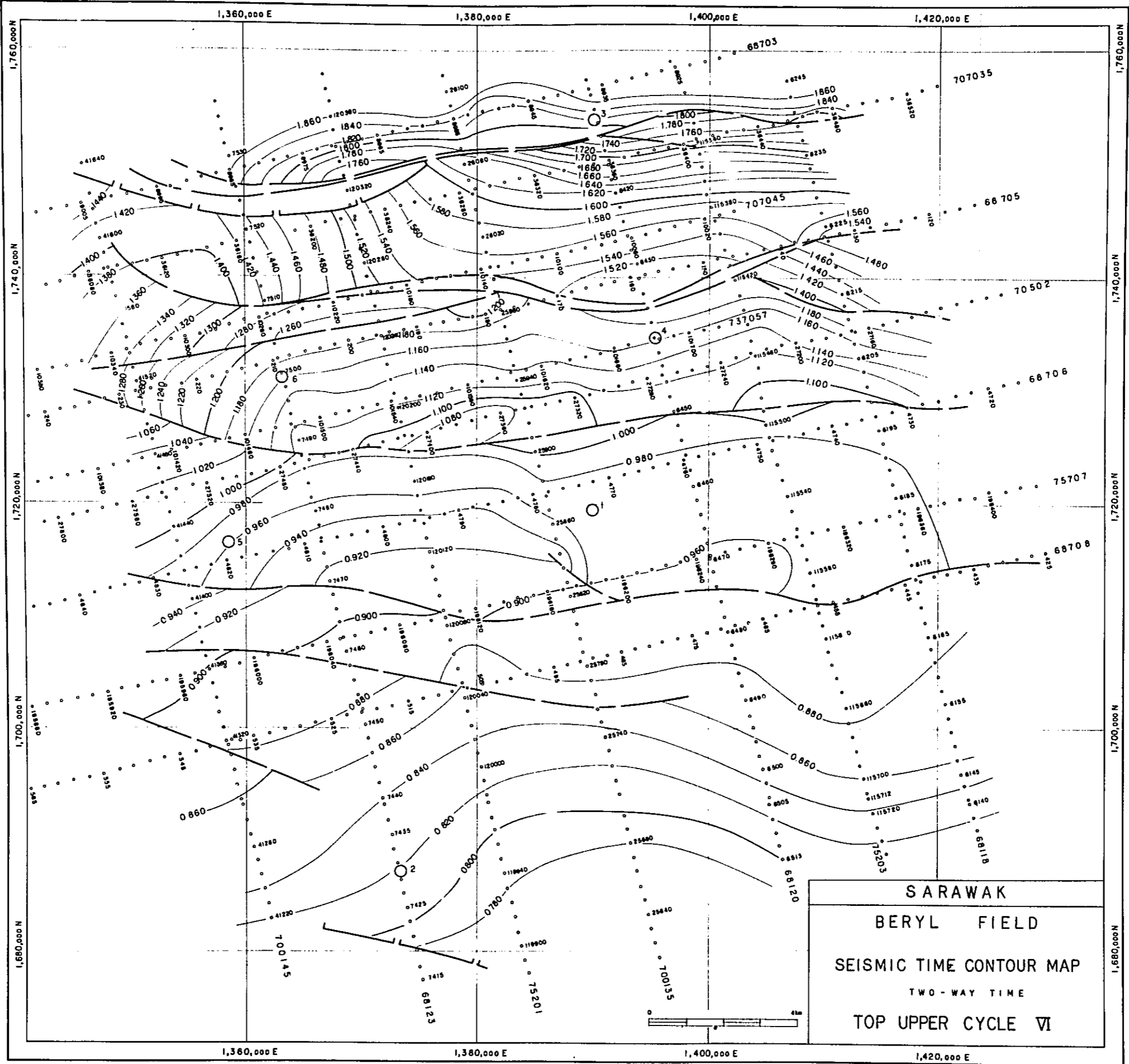


Fig. 10-1-1 TIME CONTOUR MAP, BERYL FIELD, TOP UPPER CYCLE VI
Vol. IV

Fig. 10-1-2

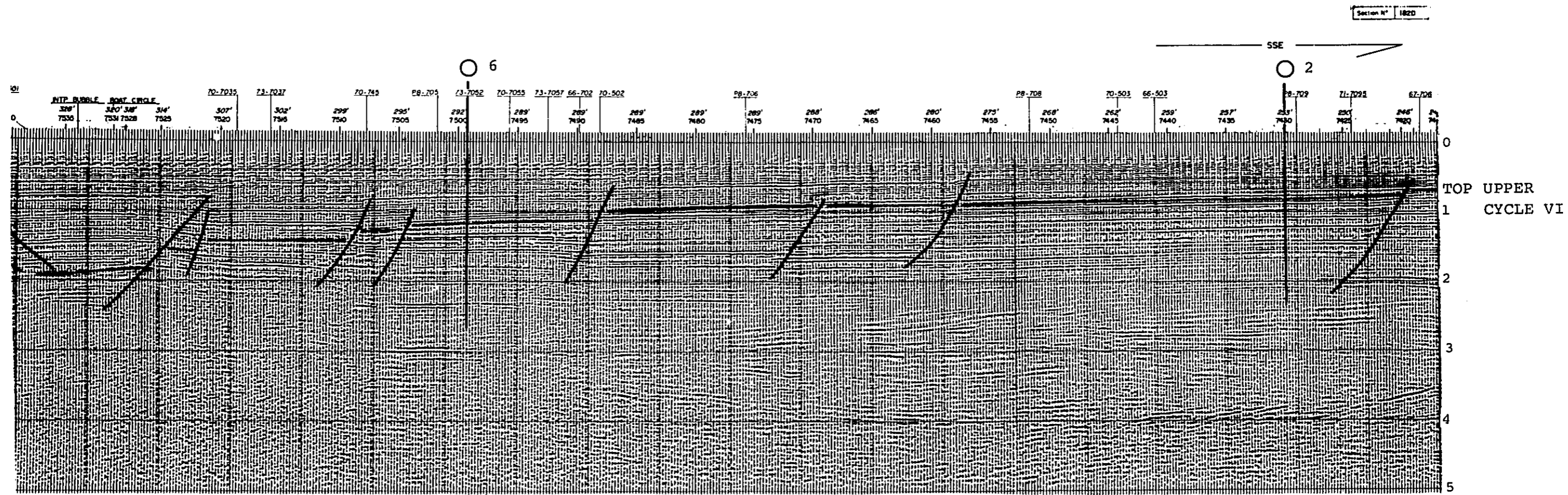


Fig. 10-1-2 SEISMIC SECTION, BERYL FIELD, Line P8-123
Vol. IV

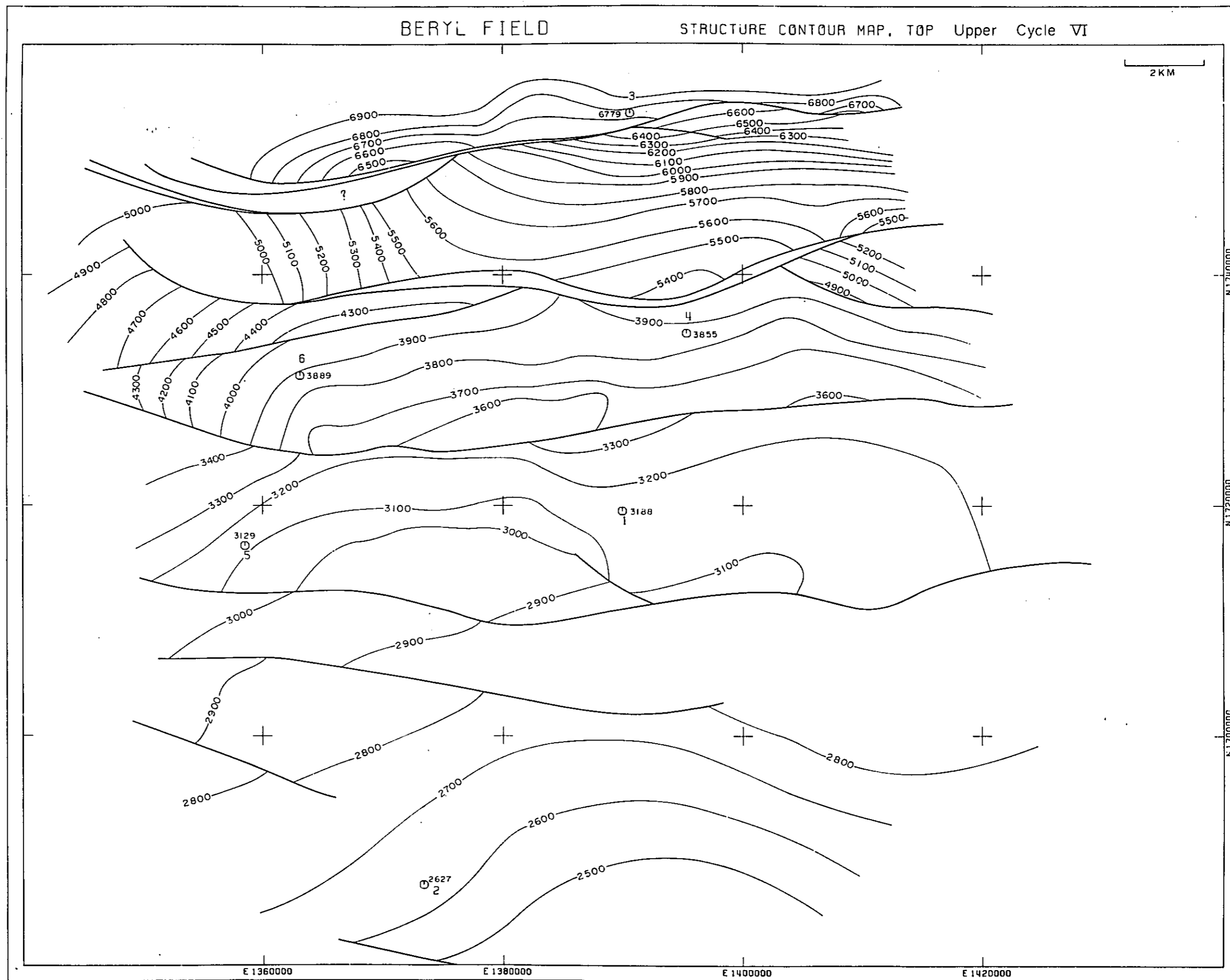


Fig. 10-2-1 STRUCTURE CONTOUR MAP, BERYL FIELD, TOP CYCLE VI
Vol. IV

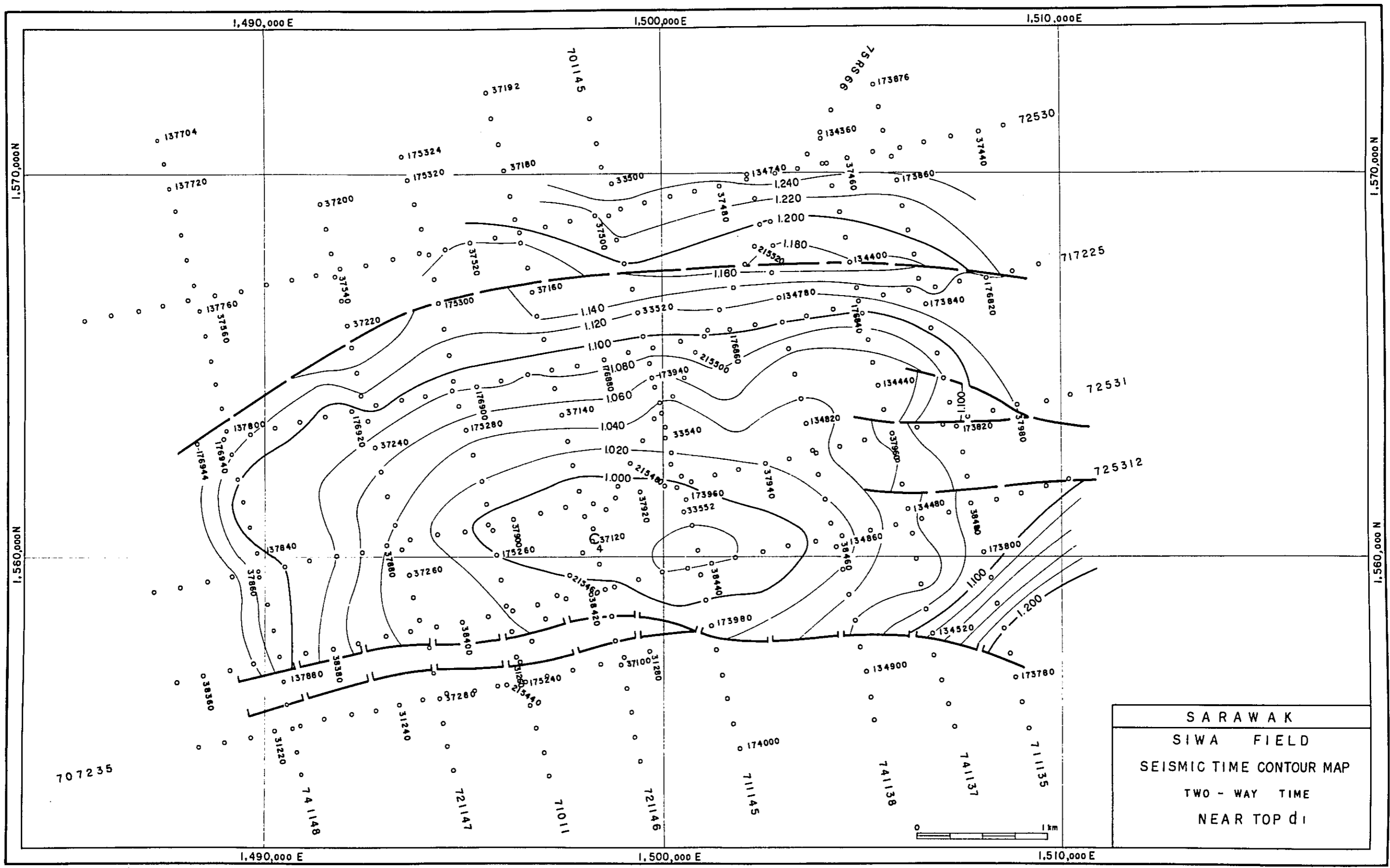


Fig. 11-1-1 TIME CONTOUR MAP, SIWA FIELD, NEAR TOP d1
Vol. IV

Fig. 11-1-2

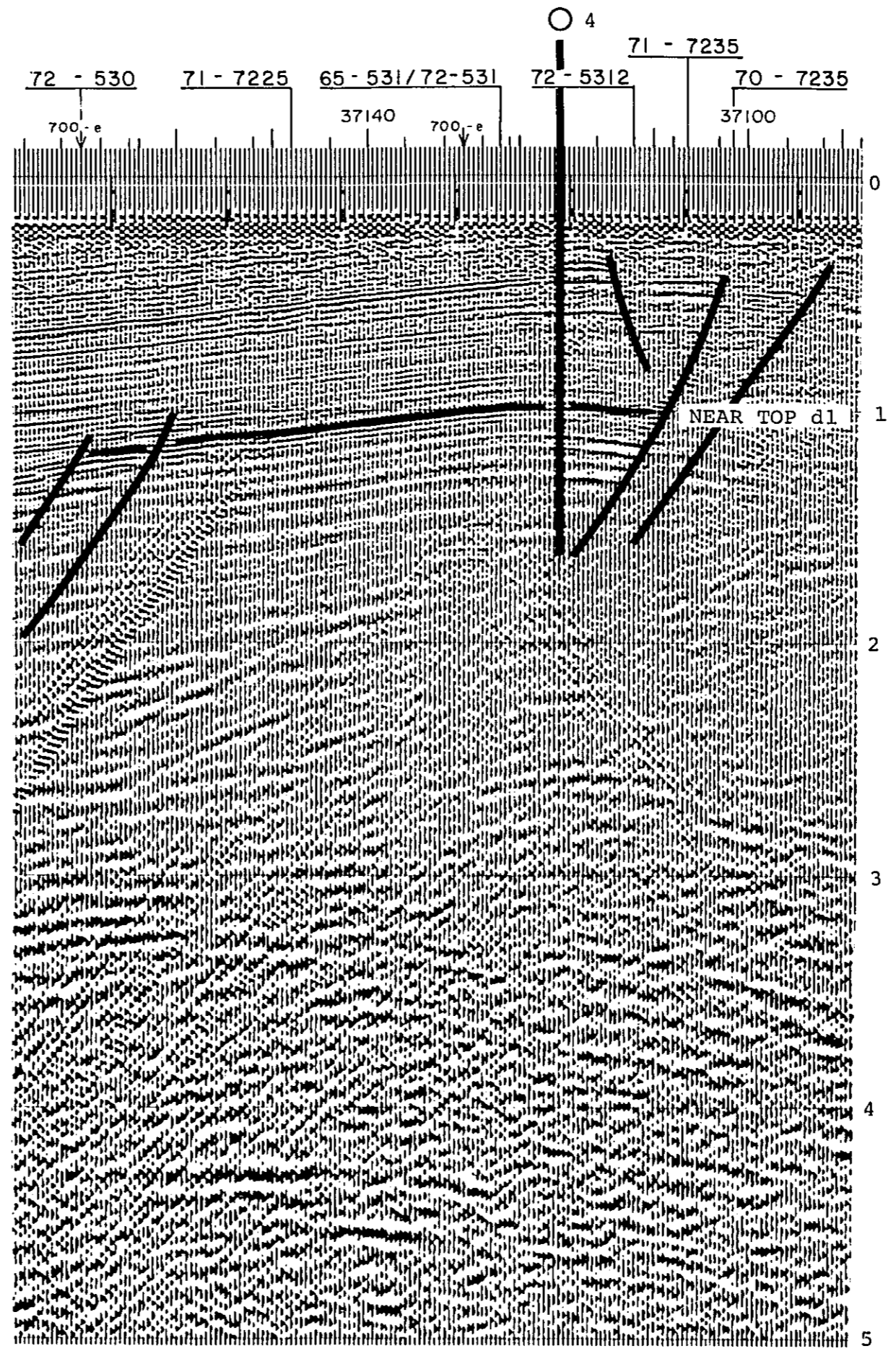


Fig. 11-1-2 SEISMIC SECTION, SIWA FIELD, Line 72-1146
Vol. IV

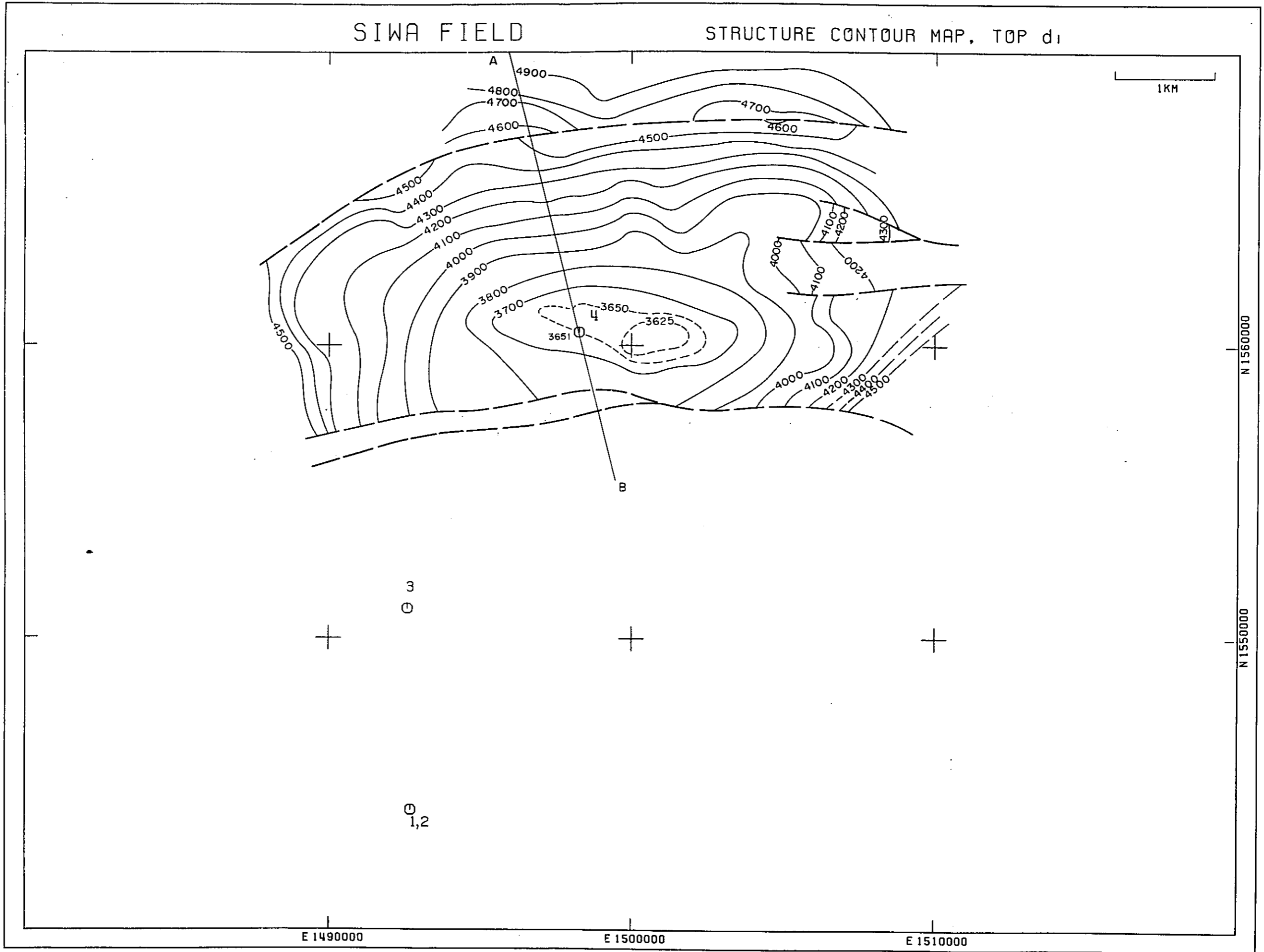


Fig. 11-2-1 STRUCTURE CONTOUR MAP, SIWA FIELD, TOP d1
Vol. IV

SIWA FIELD

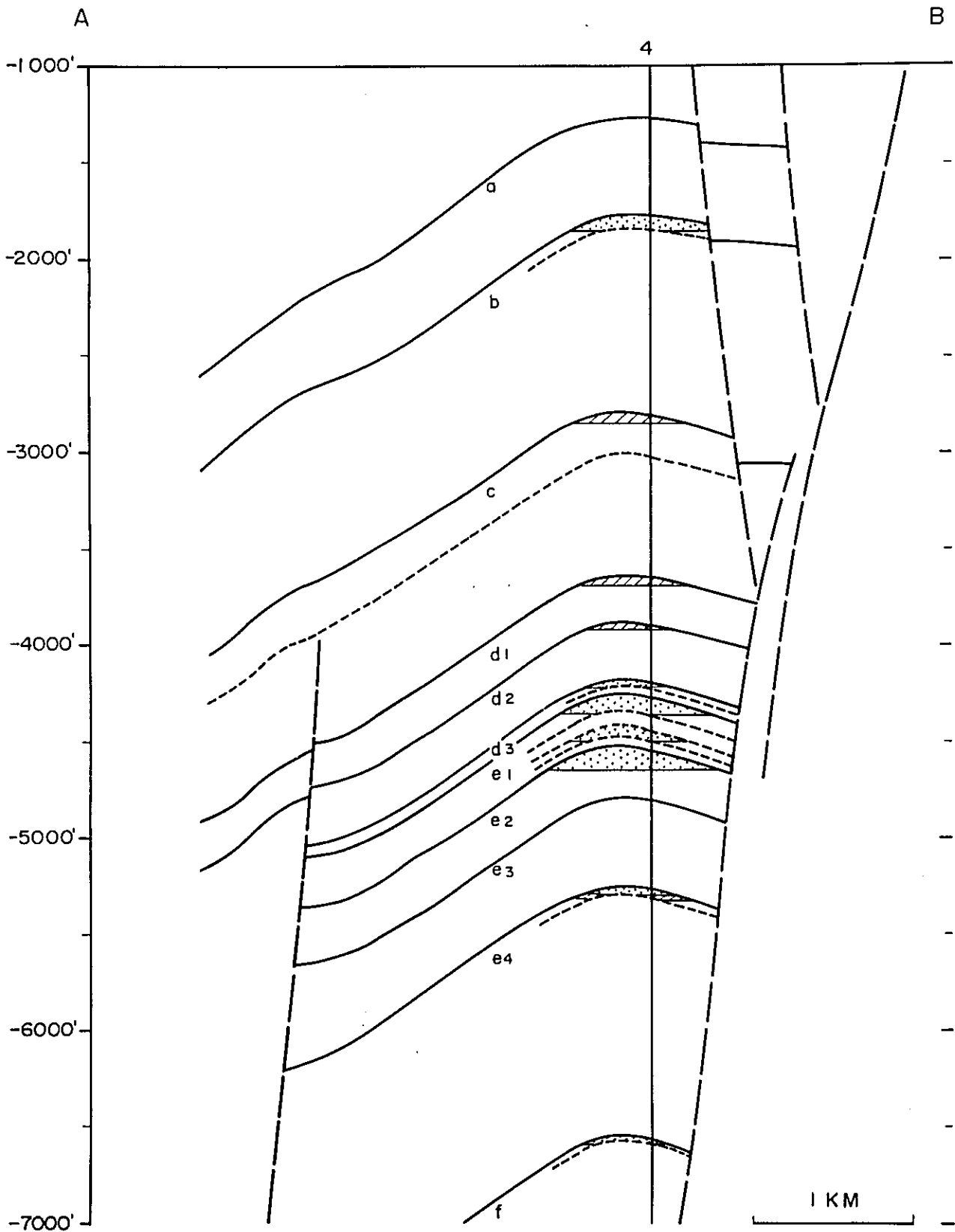


Fig. 11-2-2
Vol. IV

STRUCTURAL CROSS-SECTION, SIWA FIELD

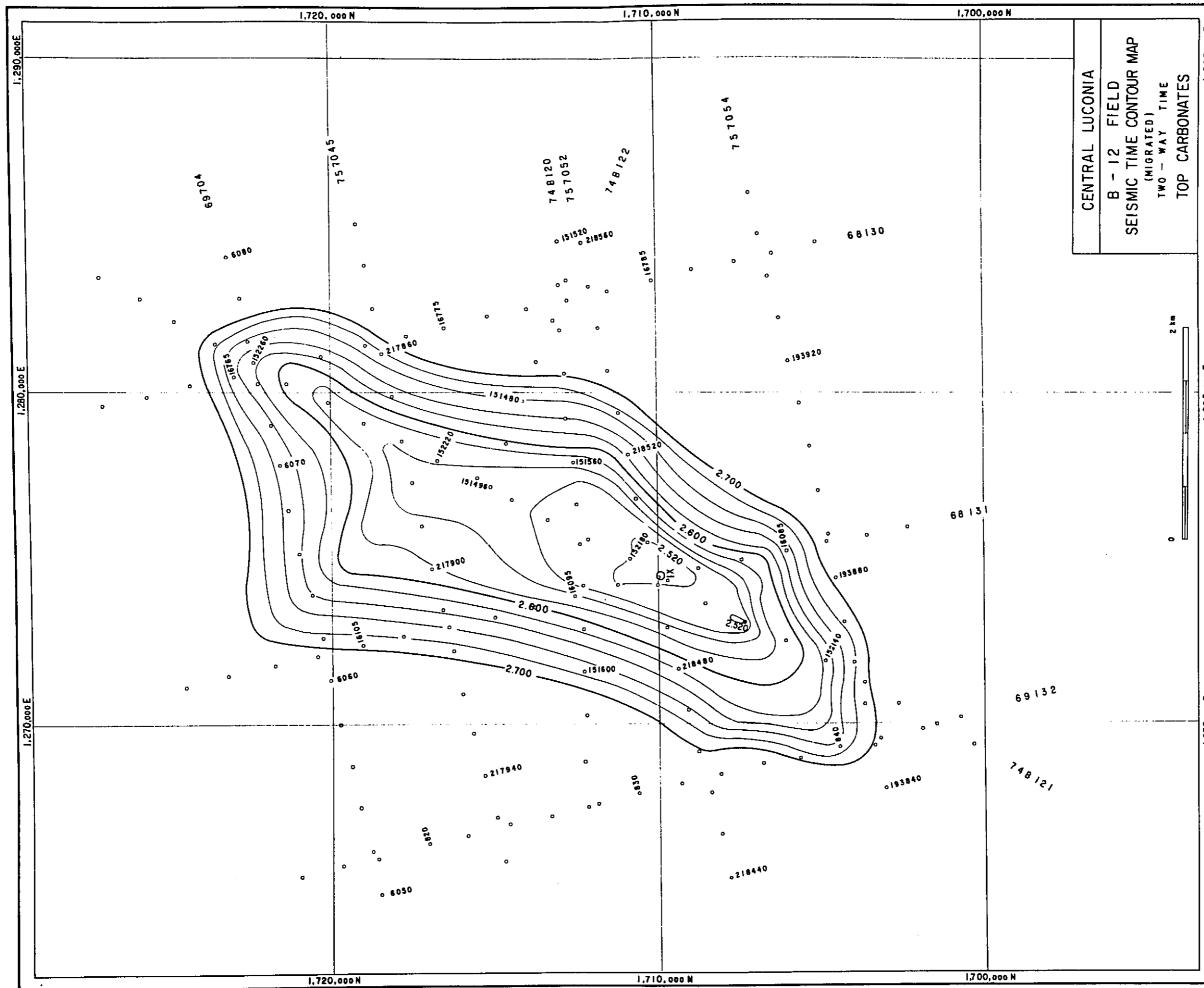


Fig. 12-1-1

Fig. 12-1-1 TIME CONTOUR MAP, B-12 FIELD, TOP CARBONATES
Vol. IV

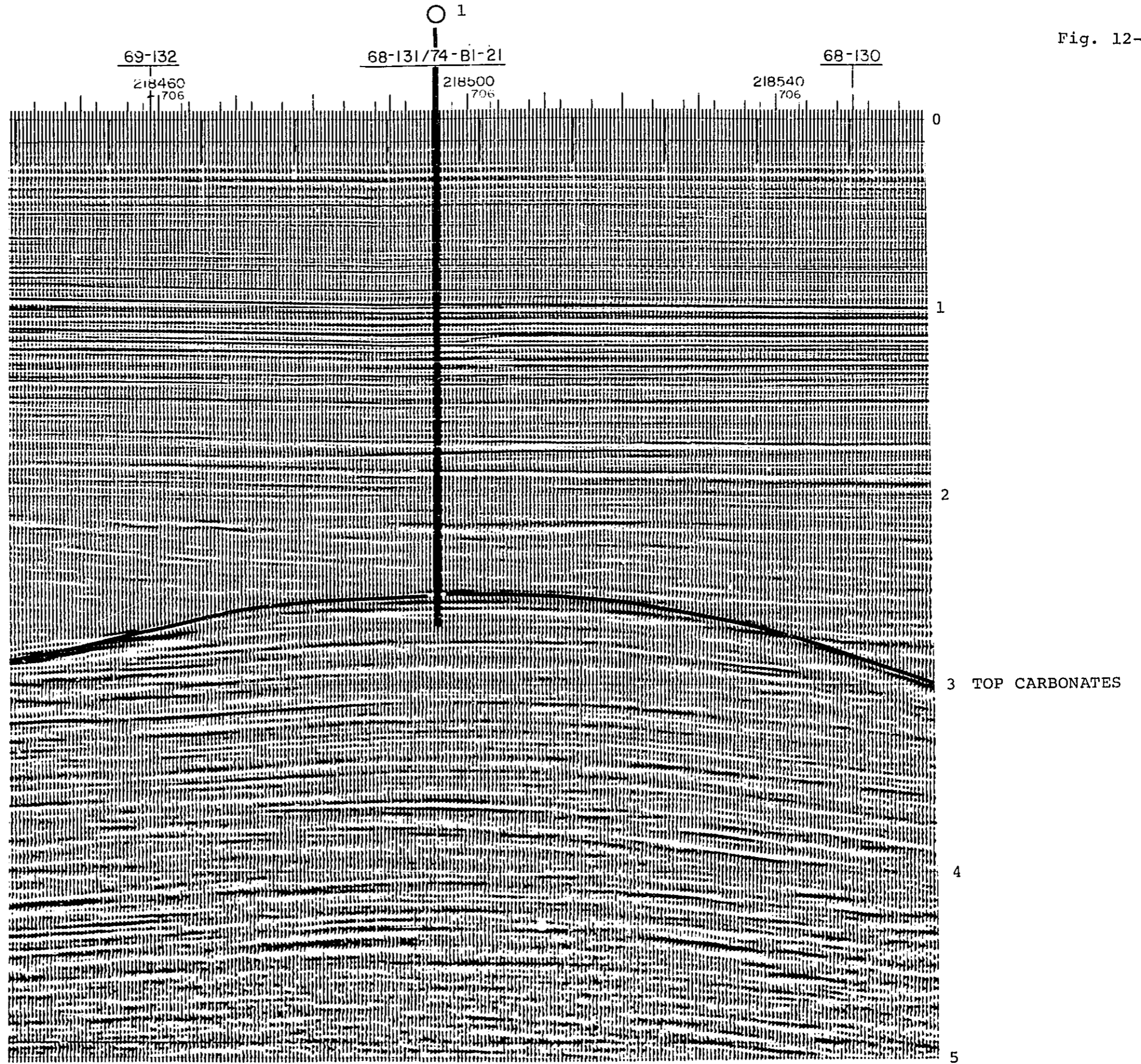


Fig. 12-1-2 SEISMIC SECTION, B-12 FIELD, Line 75-7052
Vol. IV

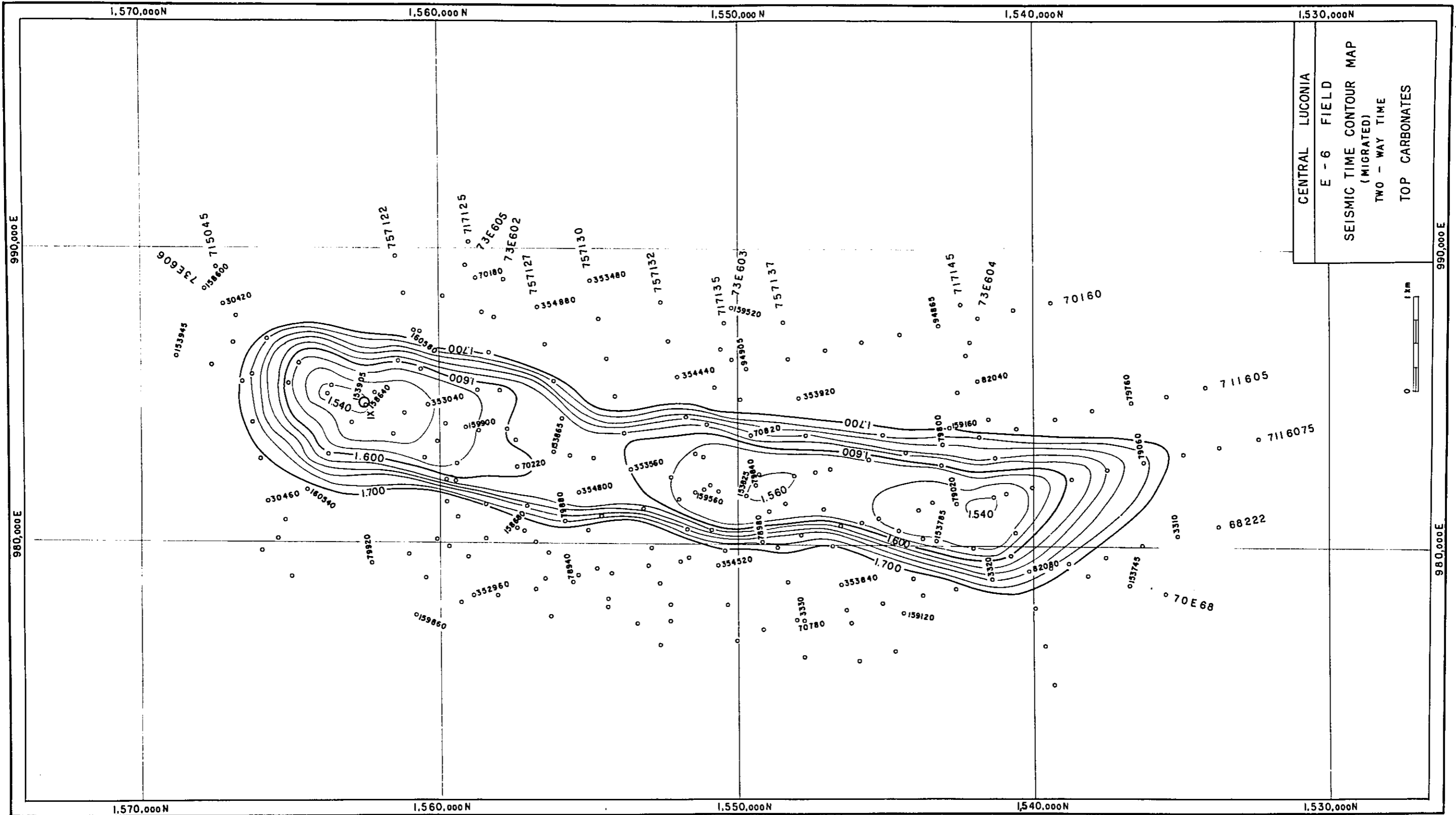


Fig. 12-1-3 TIME CONTOUR MAP, E-6 FIELD, TOP CARBONATES
Vol. IV

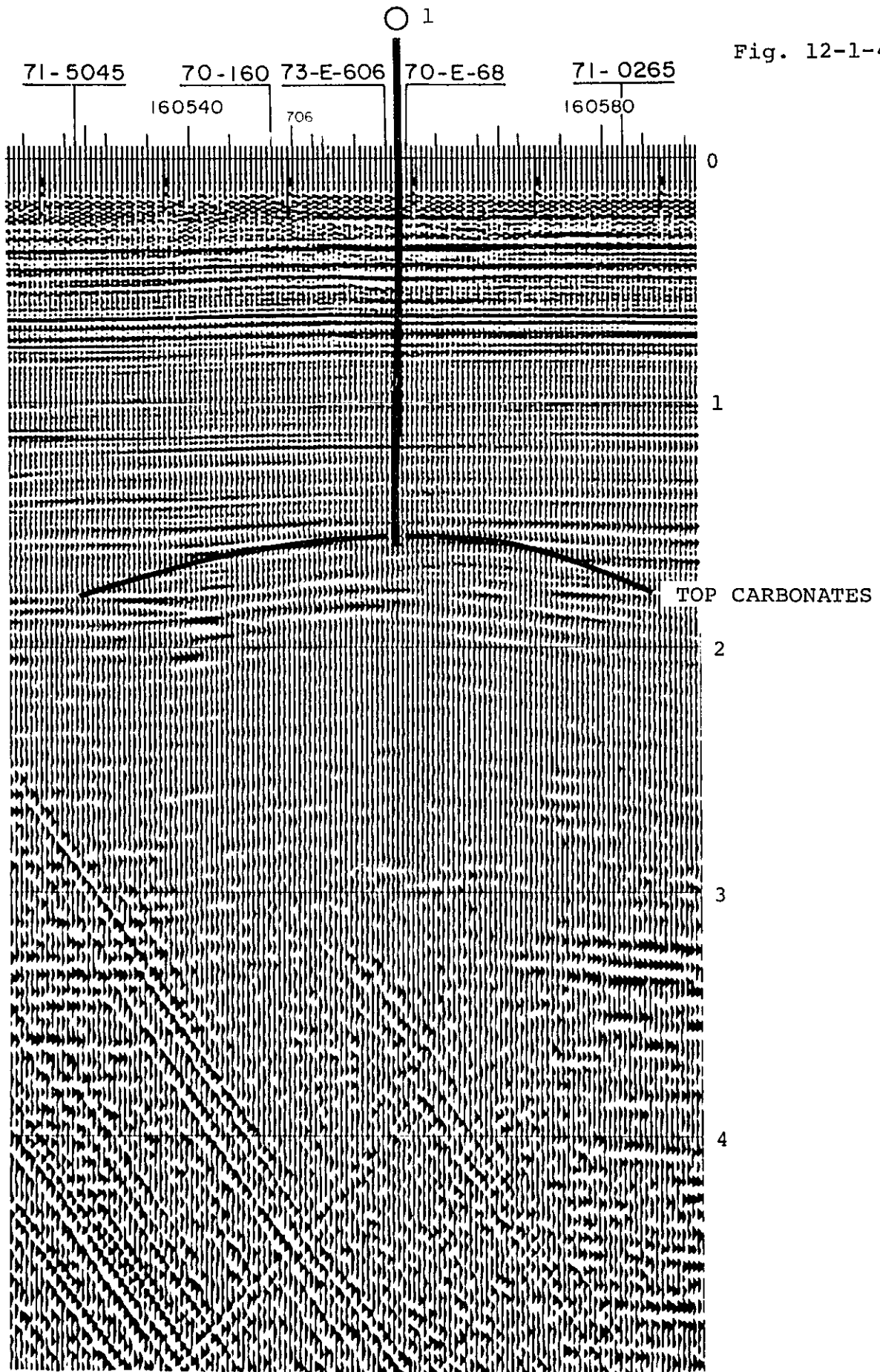


Fig. 12-1-4

Fig. 12-1-4 SEISMIC SECTION, E-6 FIELD, Line 73-E-605
Vol. IV

Fig. 12-1-5

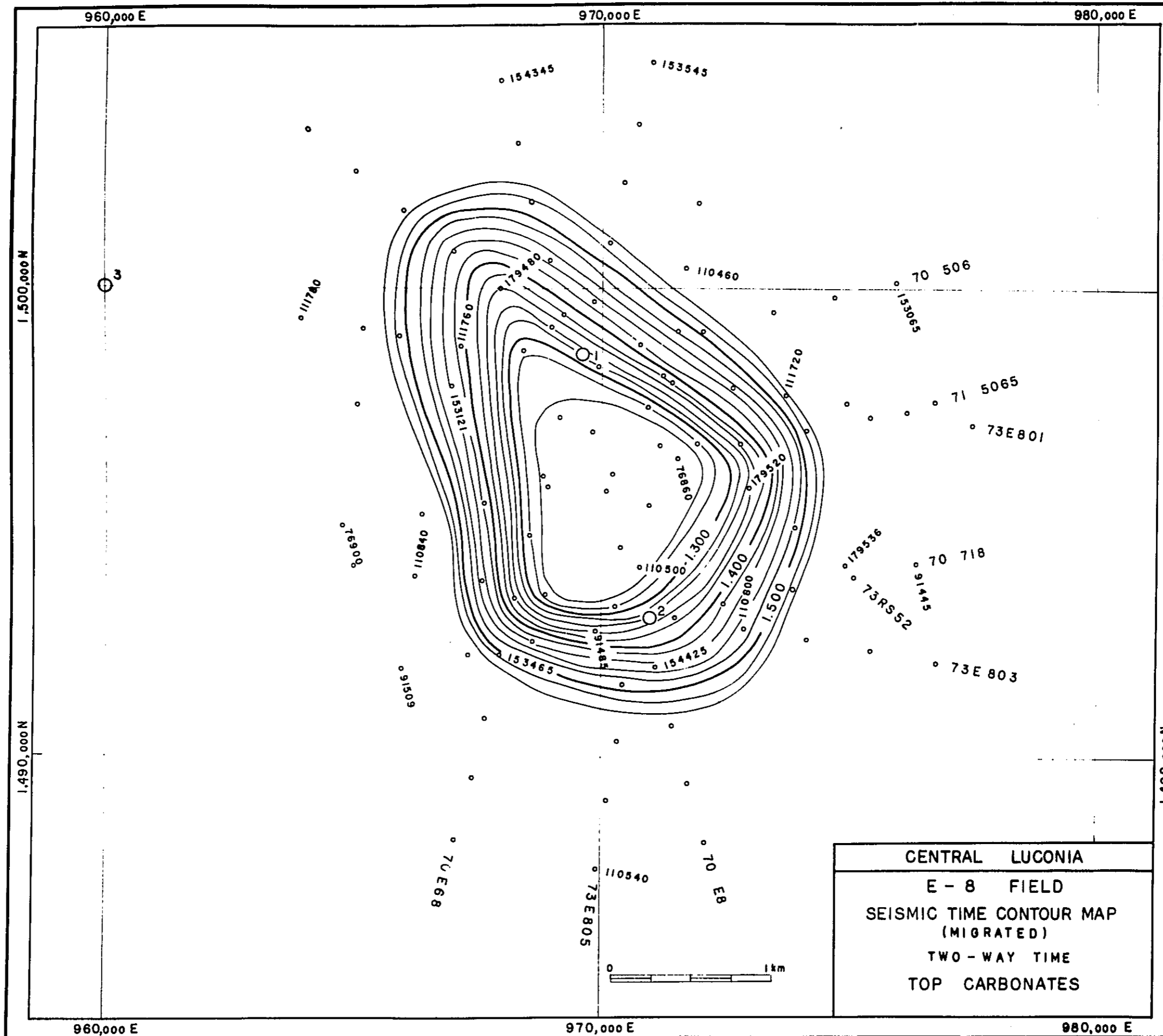


Fig. 12-1-5 TIME CONTOUR MAP, E-8 FIELD, TOP CARBONATES
Vol. IV

Fig. 12-1-6

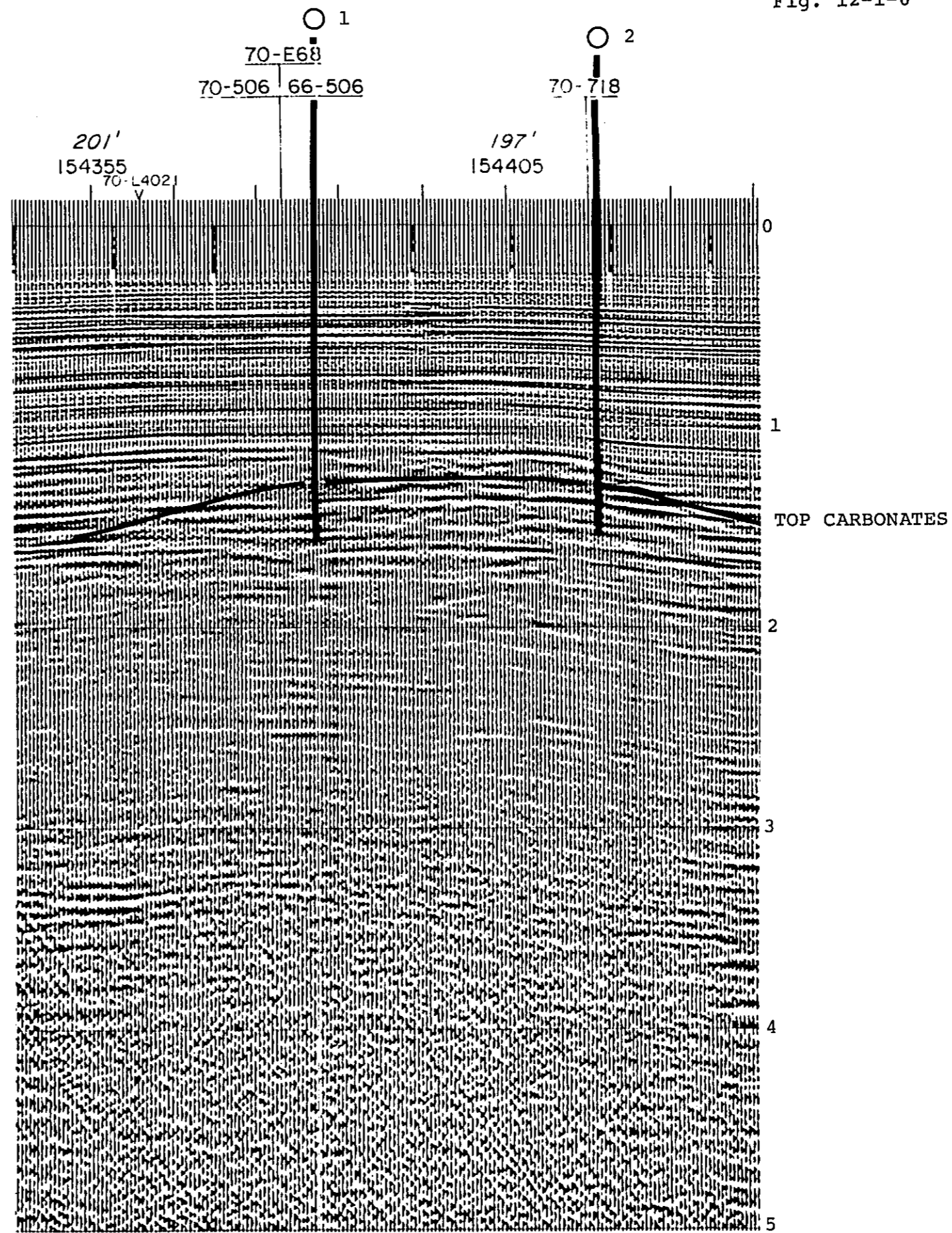


Fig. 12-1-6 SEISMIC SECTION, E-8 FIELD, Line 70-E8
Vol. IV

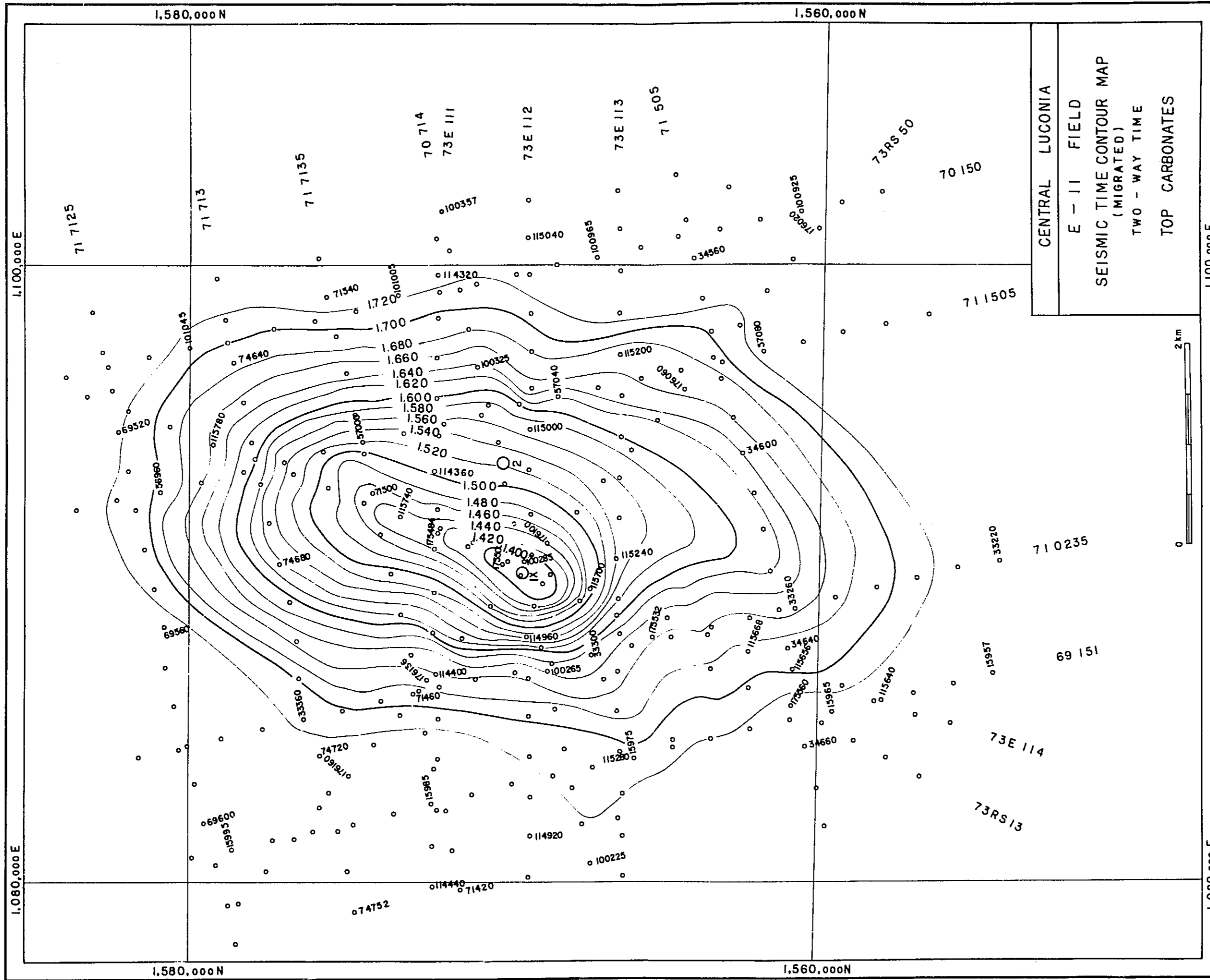


Fig. 12-1-7

Fig. 12-1-7 TIME CONTOUR MAP, E-11 FIELD, TOP CARBONATES
Vol. IV

Fig. 12-1-8

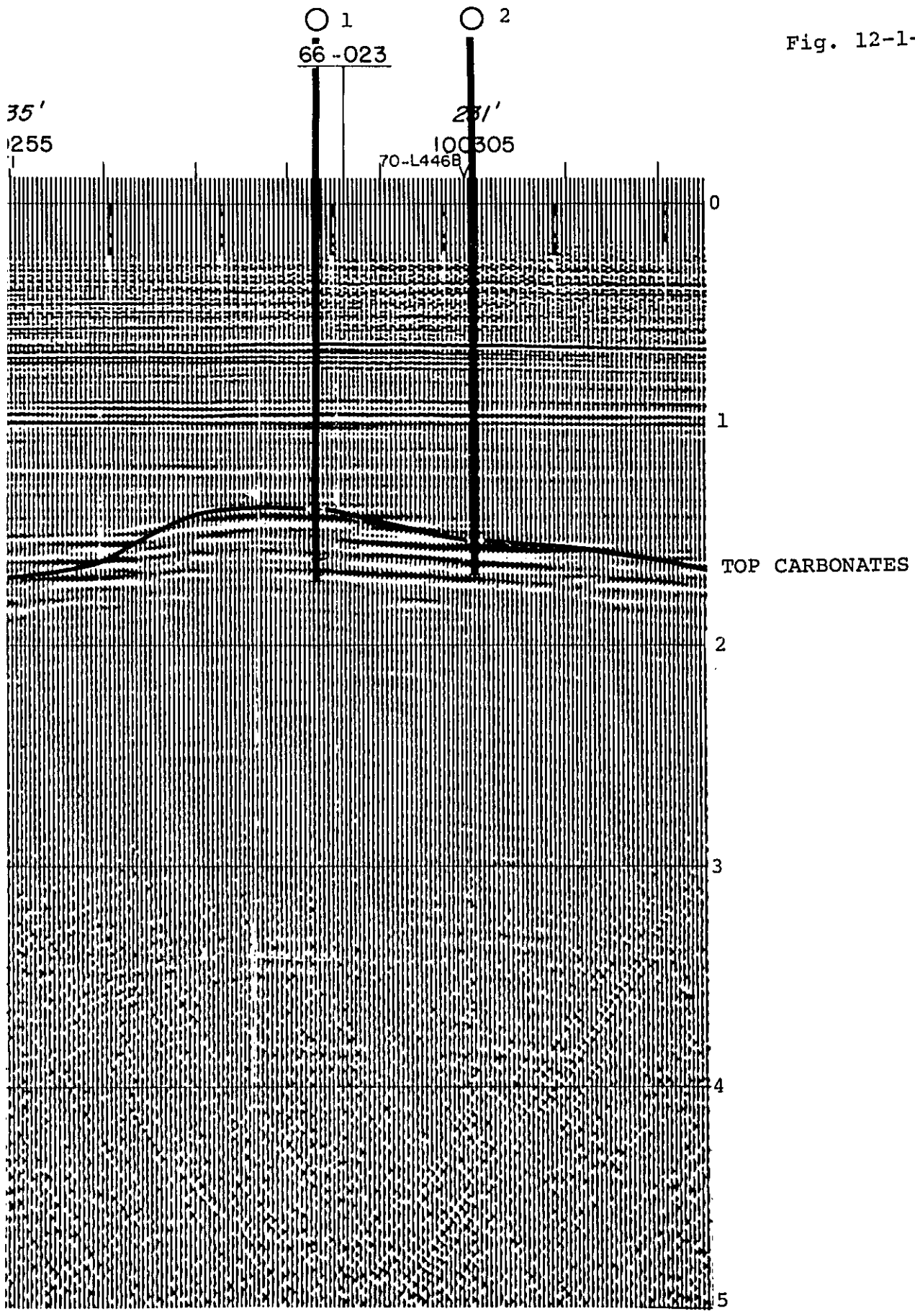


Fig. 12-1-8 SEISMIC SECTION E-11 FIELD, Line 70-714
Vol. IV

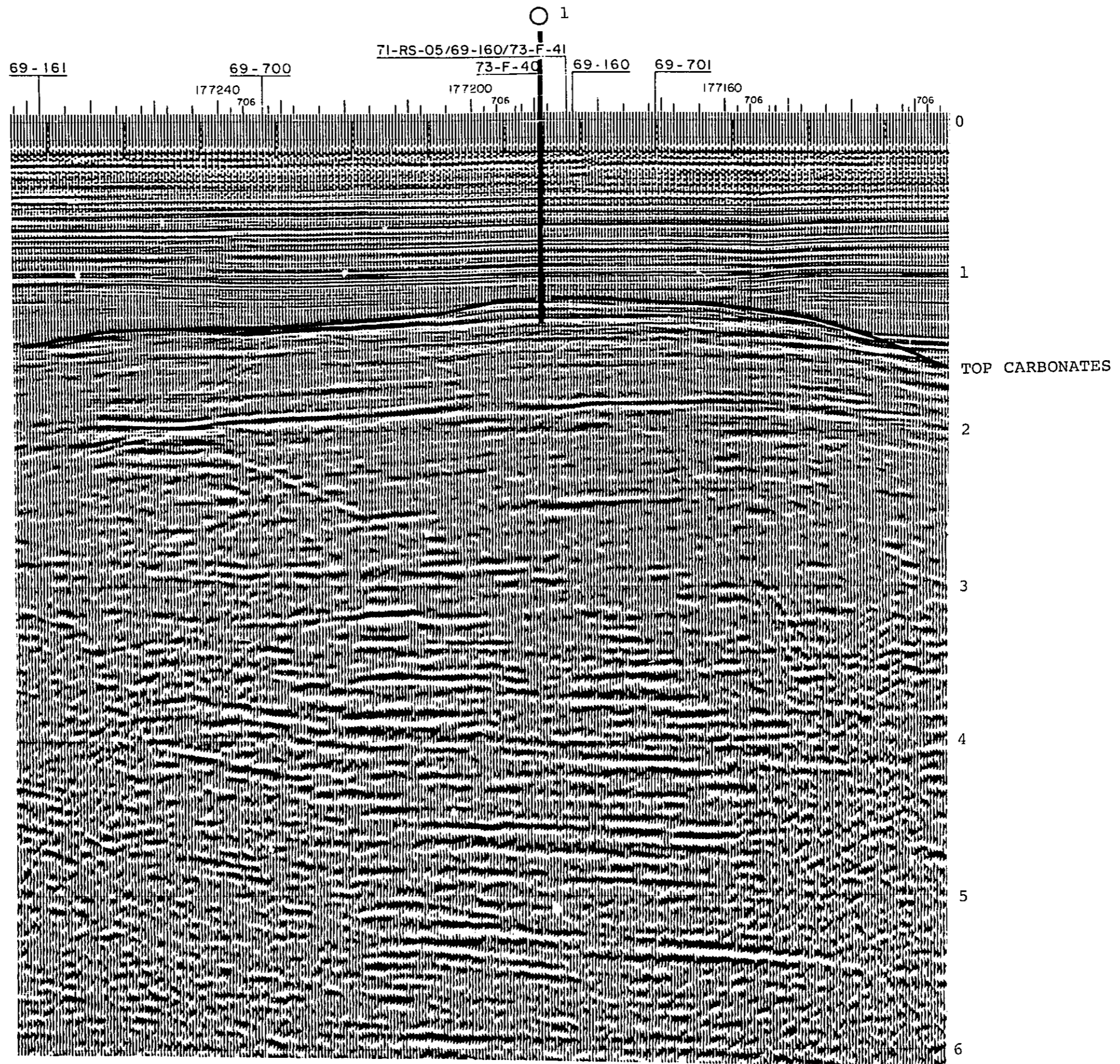


Fig. 12-1-10 SEISMIC SECTION, F-6 FIELD, Line 73-RS-50
Vol. IV

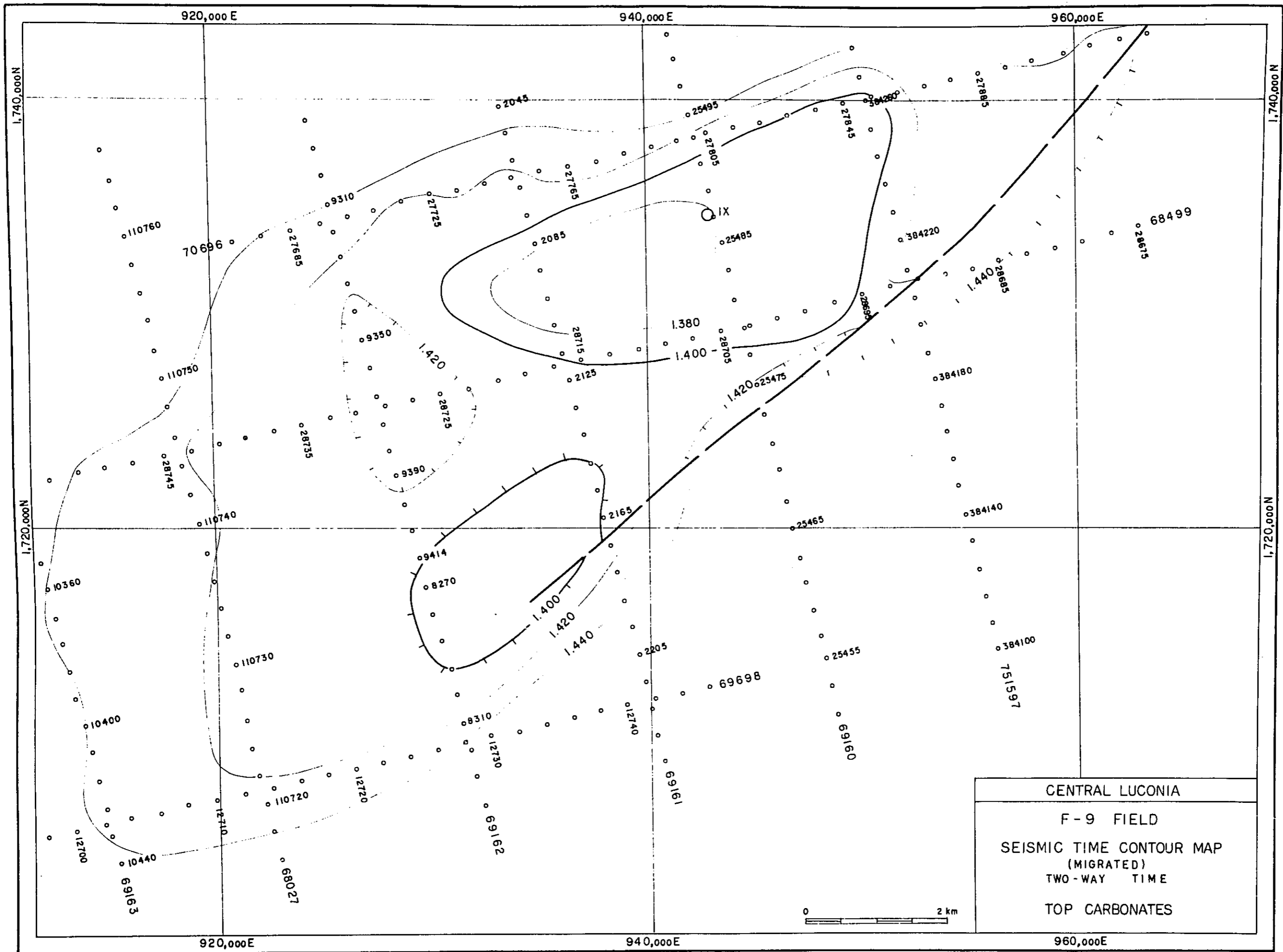


Fig. 12-1-11

Fig. 12-1-11 TIME CONTOUR MAP, F-9 FIELD, TOP CARBONATES
Vol. IV

Fig. 12-1-12

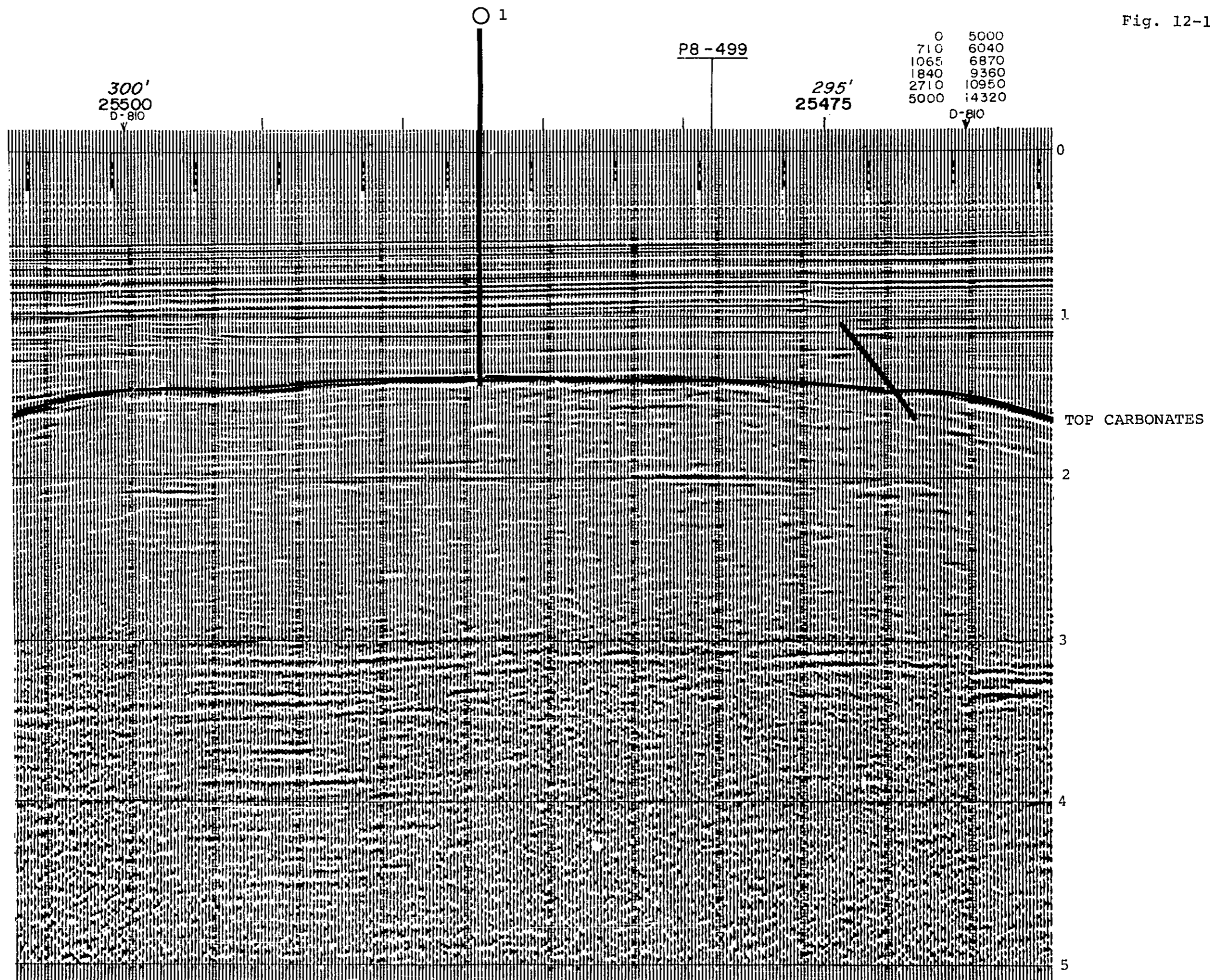


Fig. 12-1-12 SEISMIC SECTION, F-9 FIELD, Line J9-160
Vol. IV

Fig. 12-1-13

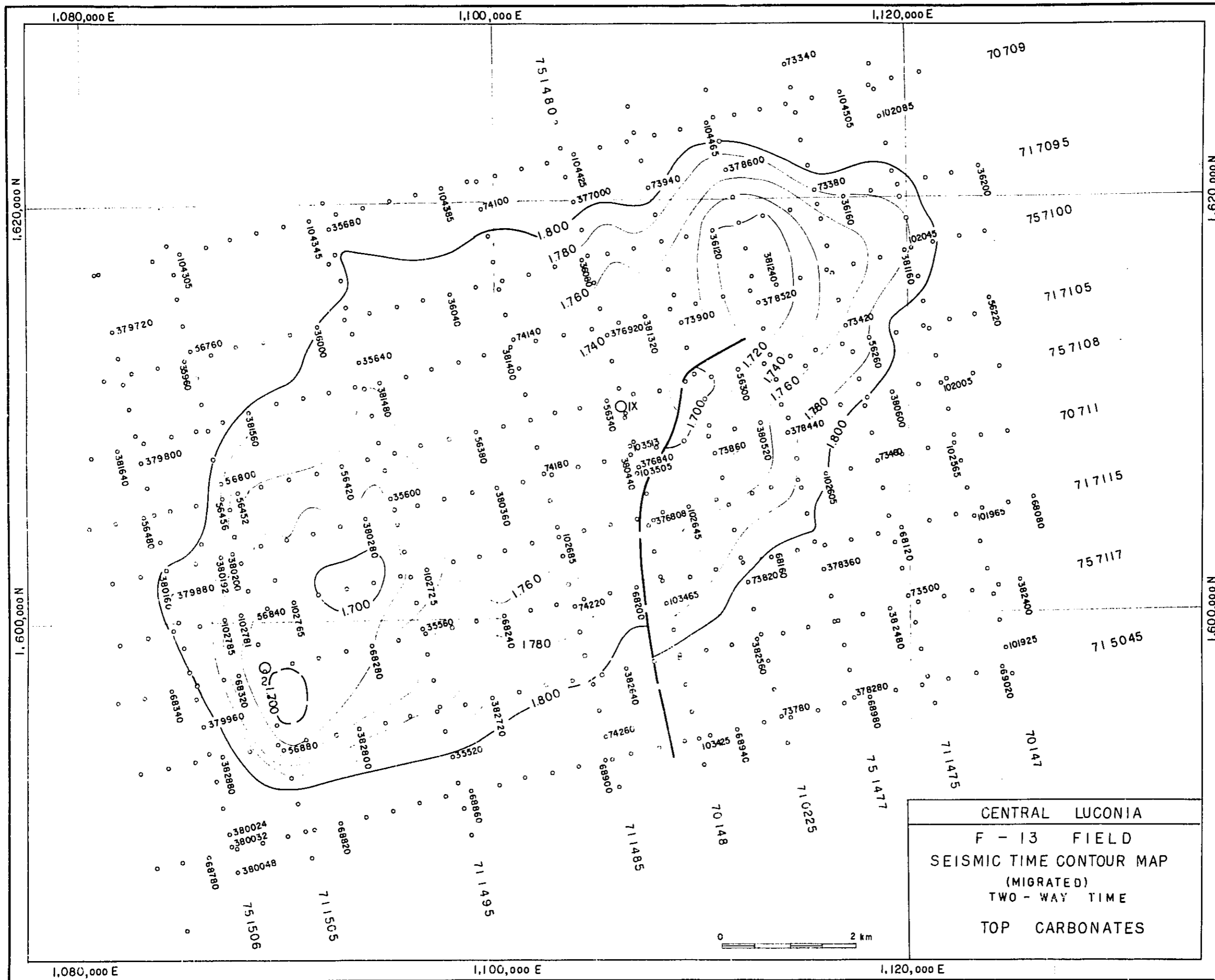


Fig. 12-1-13 TIME CONTOUR MAP, F-13 FIELD, TOP CARBONATES
Vol. IV

Fig. 12-1-14

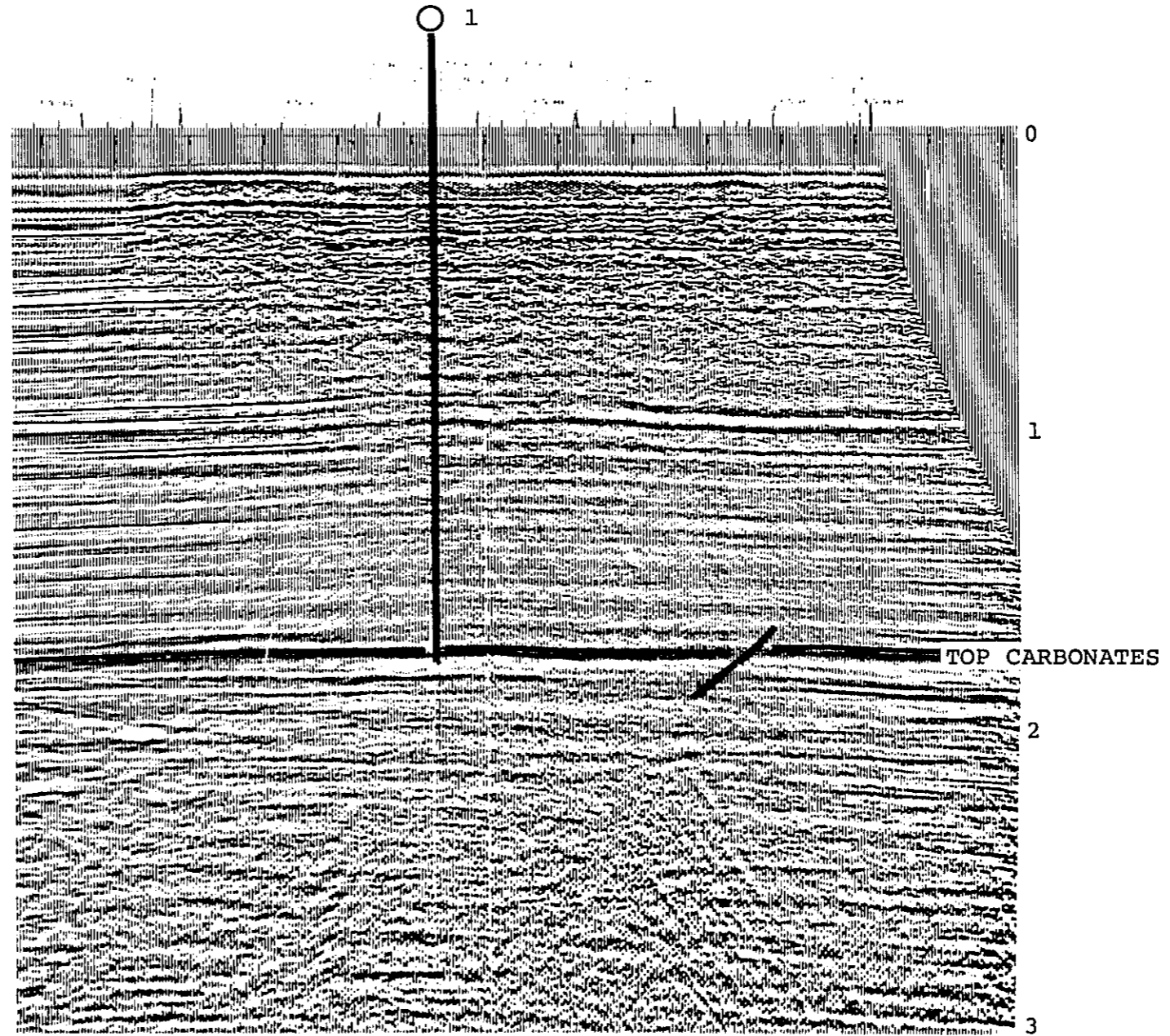


Fig. 12-1-14 SEISMIC SECTION F-13 FIELD, Line 75-1480
Vol. IV

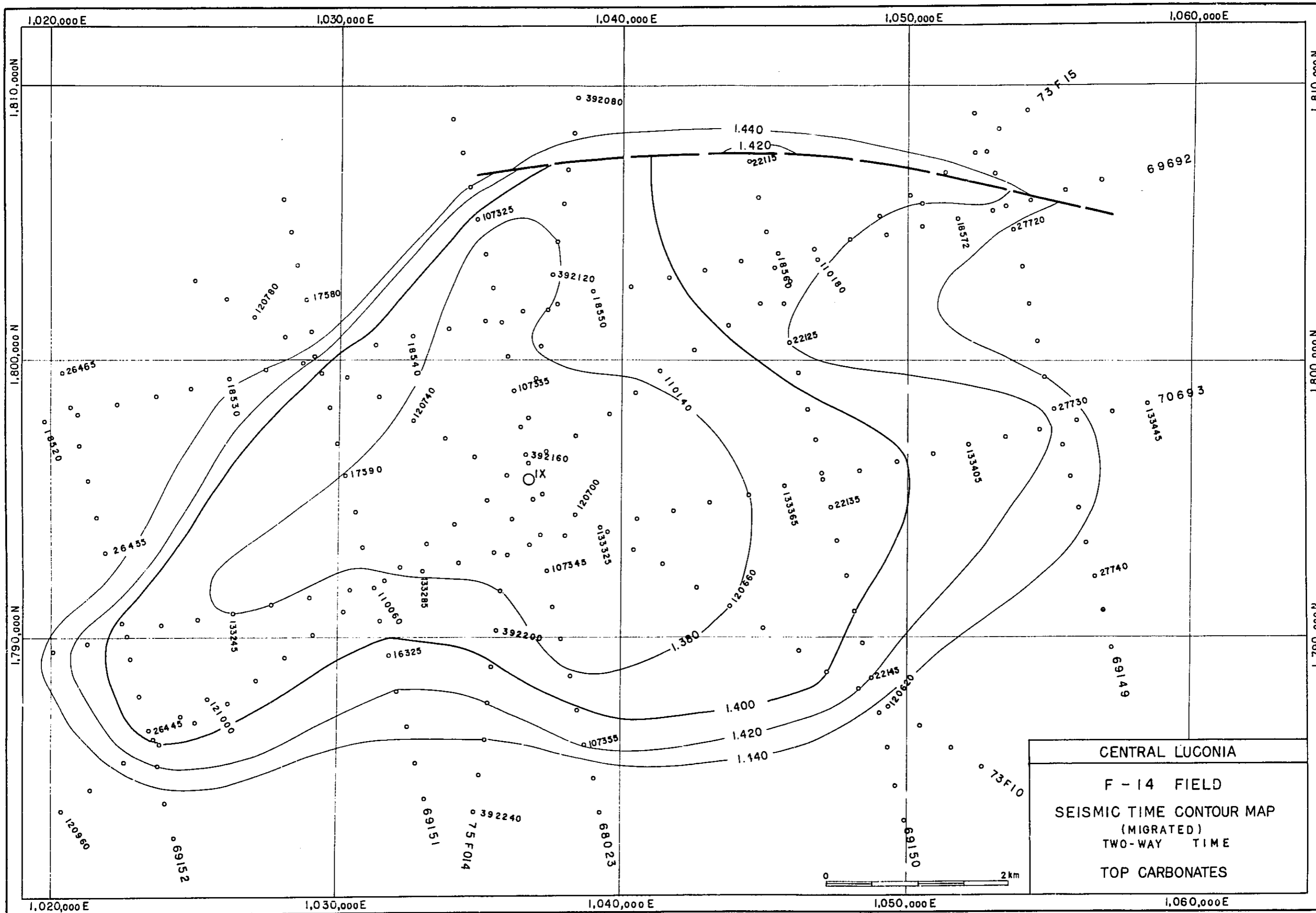


Fig. 12-1-15 TIME CONTOUR MAP, F-14 FIELD, TOP CARBONATES
Vol. IV

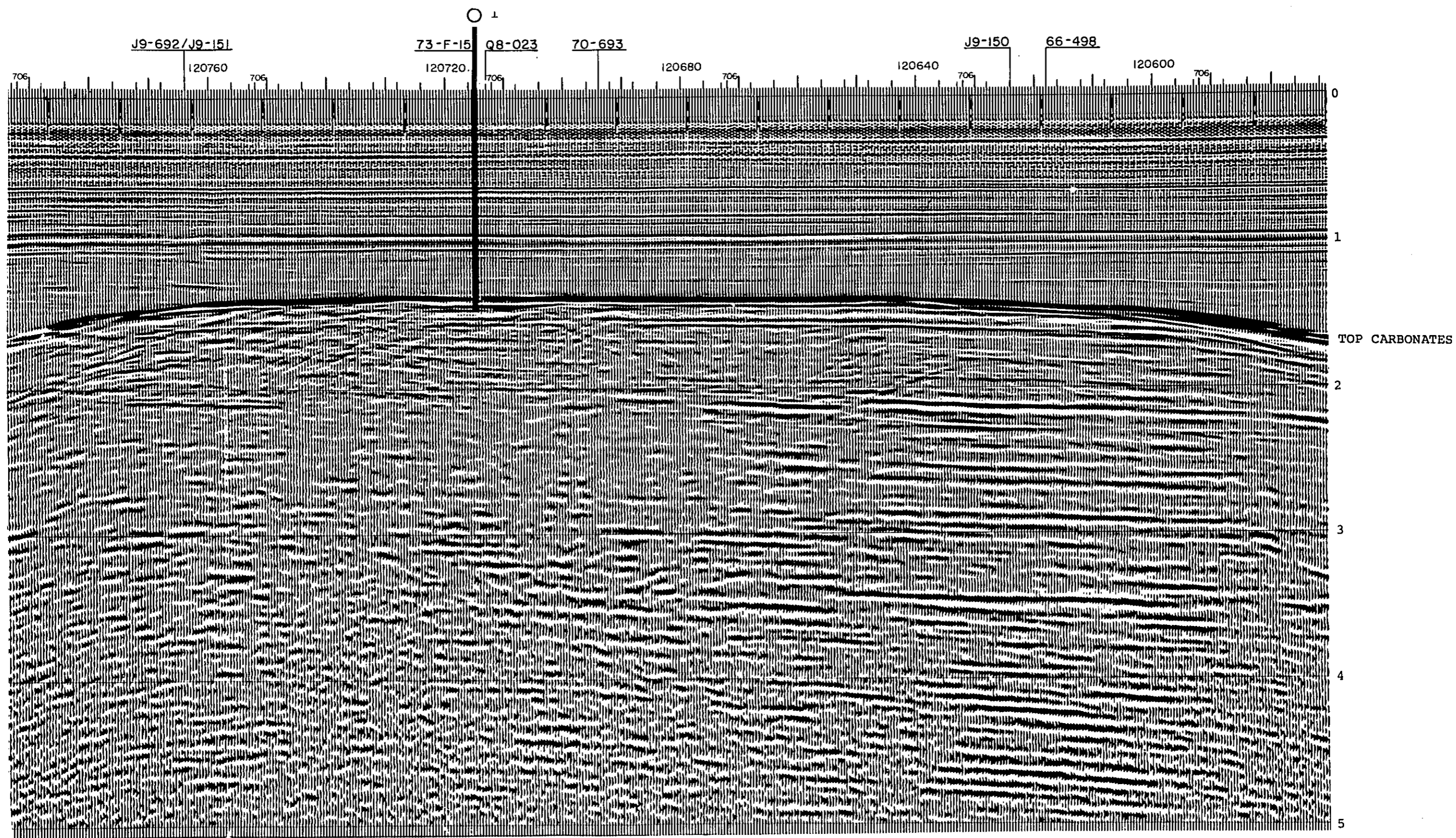


Fig. 12-1-16 SEISMIC SECTION, F-14 FIELD, Line 73-F-10
Vol. IV

Fig. 12-1-17

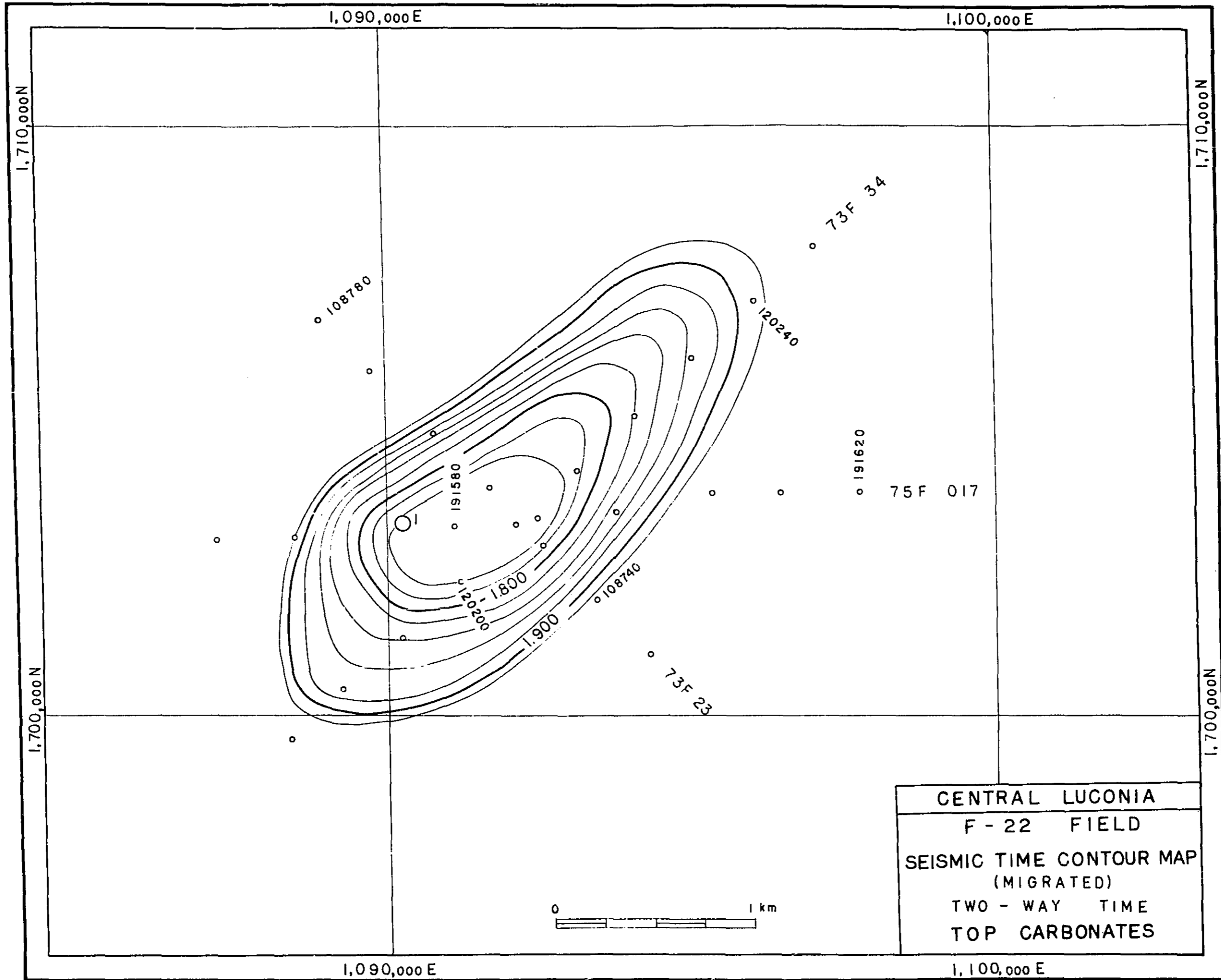


Fig. 12-1-17 TIME CONTOUR MAP, F-22 FIELD, TOP CARBONATES
Vol. IV

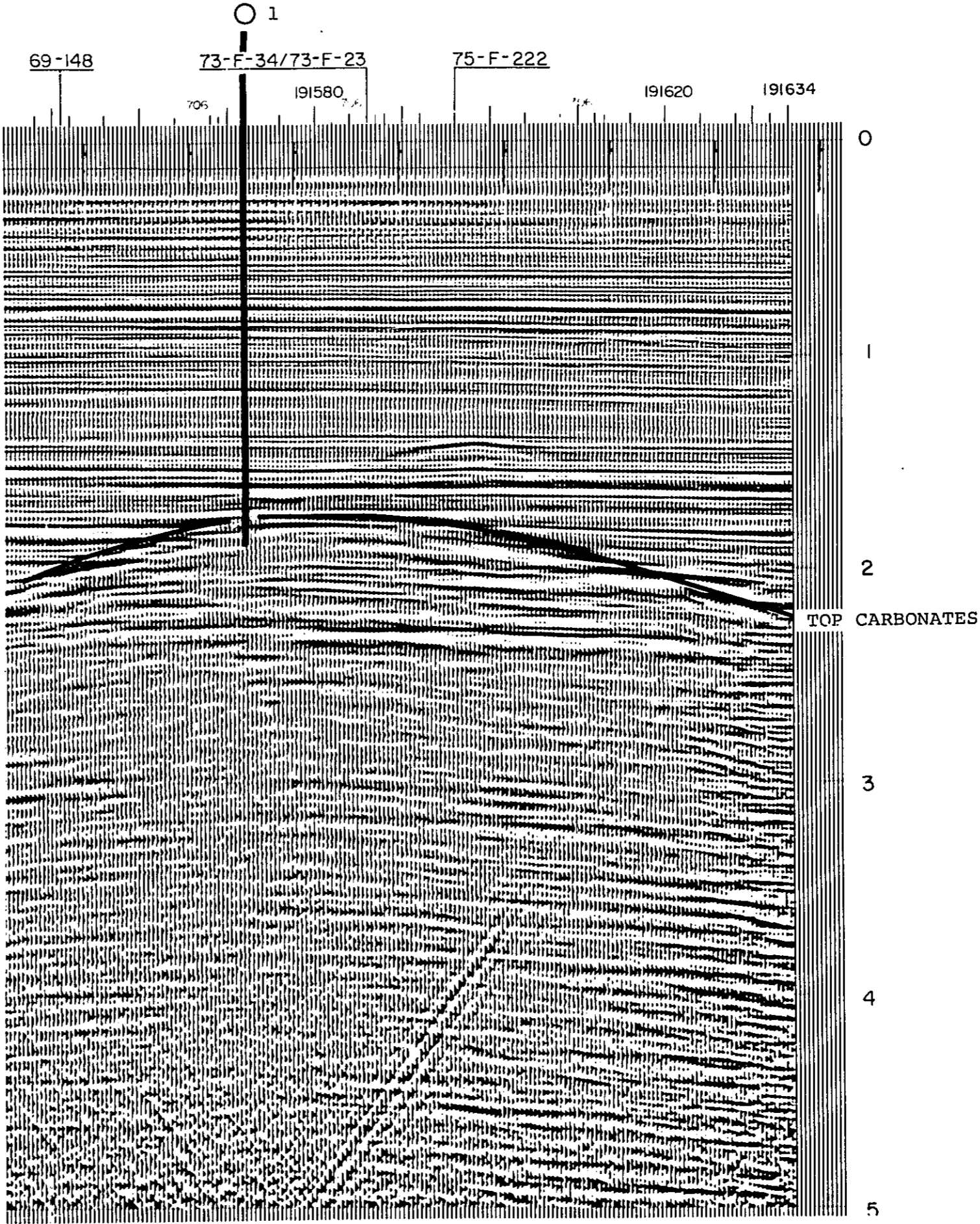


Fig. 12-1-18 SEISMIC SECTION, F-22 FIELD, Line 75-F-017
Vol. IV

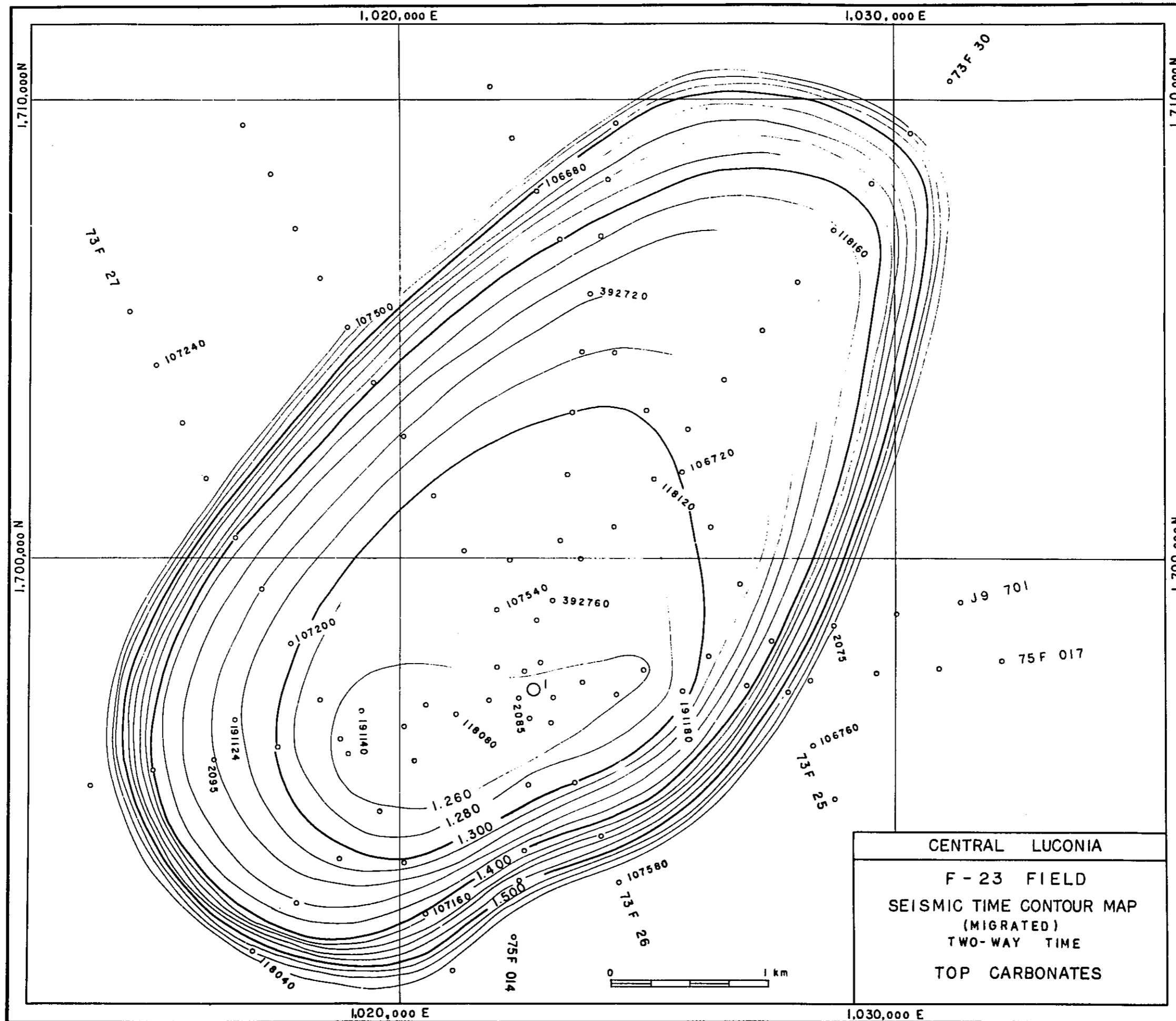


Fig. 12-1-19

Fig. 12-1-19 TIME CONTOUR MAP, F-23 FIELD, TOP CARBONATES
Vol. IV

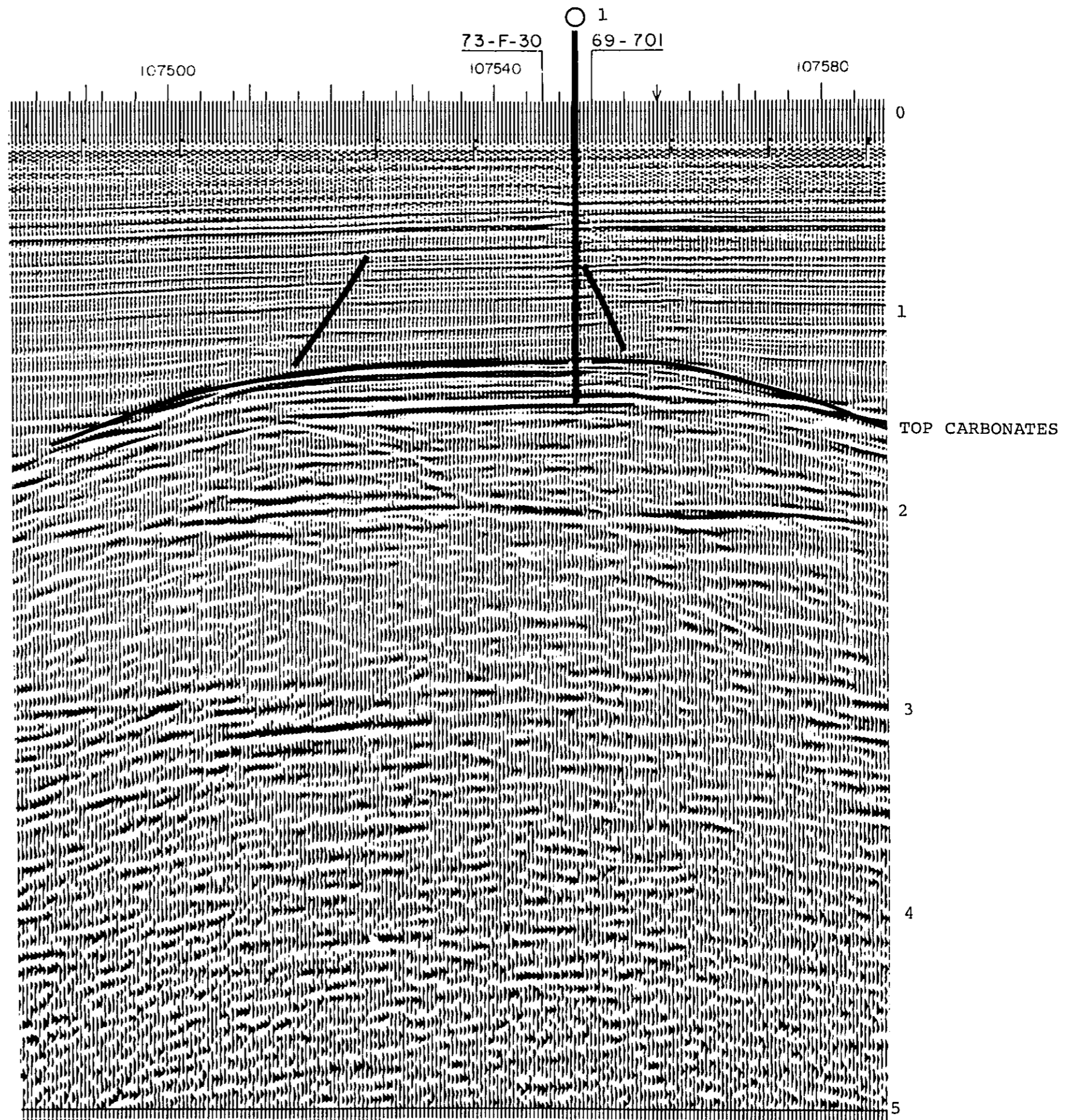


Fig. 12-1-20 SEISMIC SECTION, F-23 FIELD, Line 73-F-26
Vol. IV

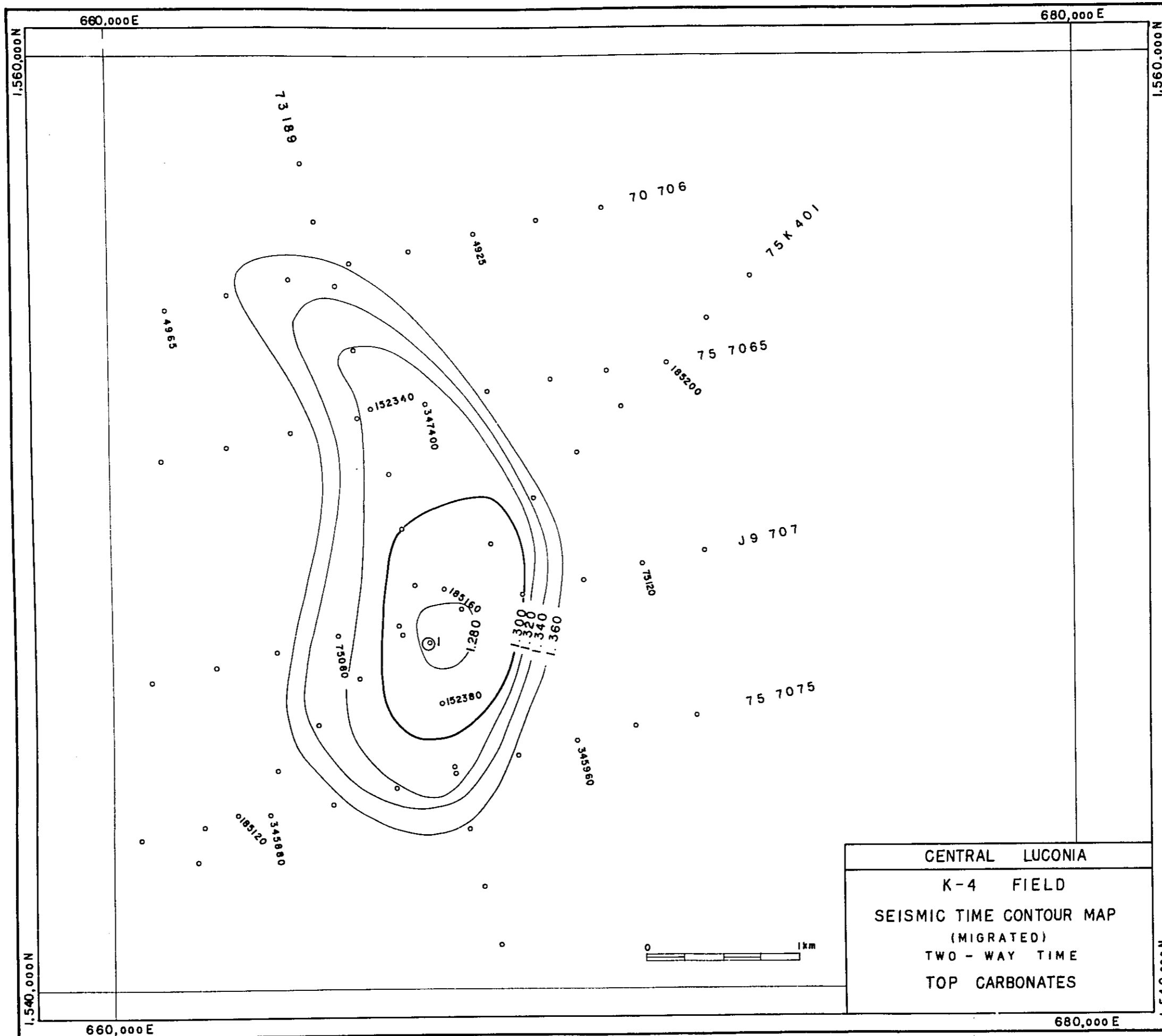


Fig. 12-1-21

Fig. 12-1-21 TIME CONTOUR MAP, K-4 FIELD, TOP CARBONATES
Vol. IV

Fig. 12-1-22

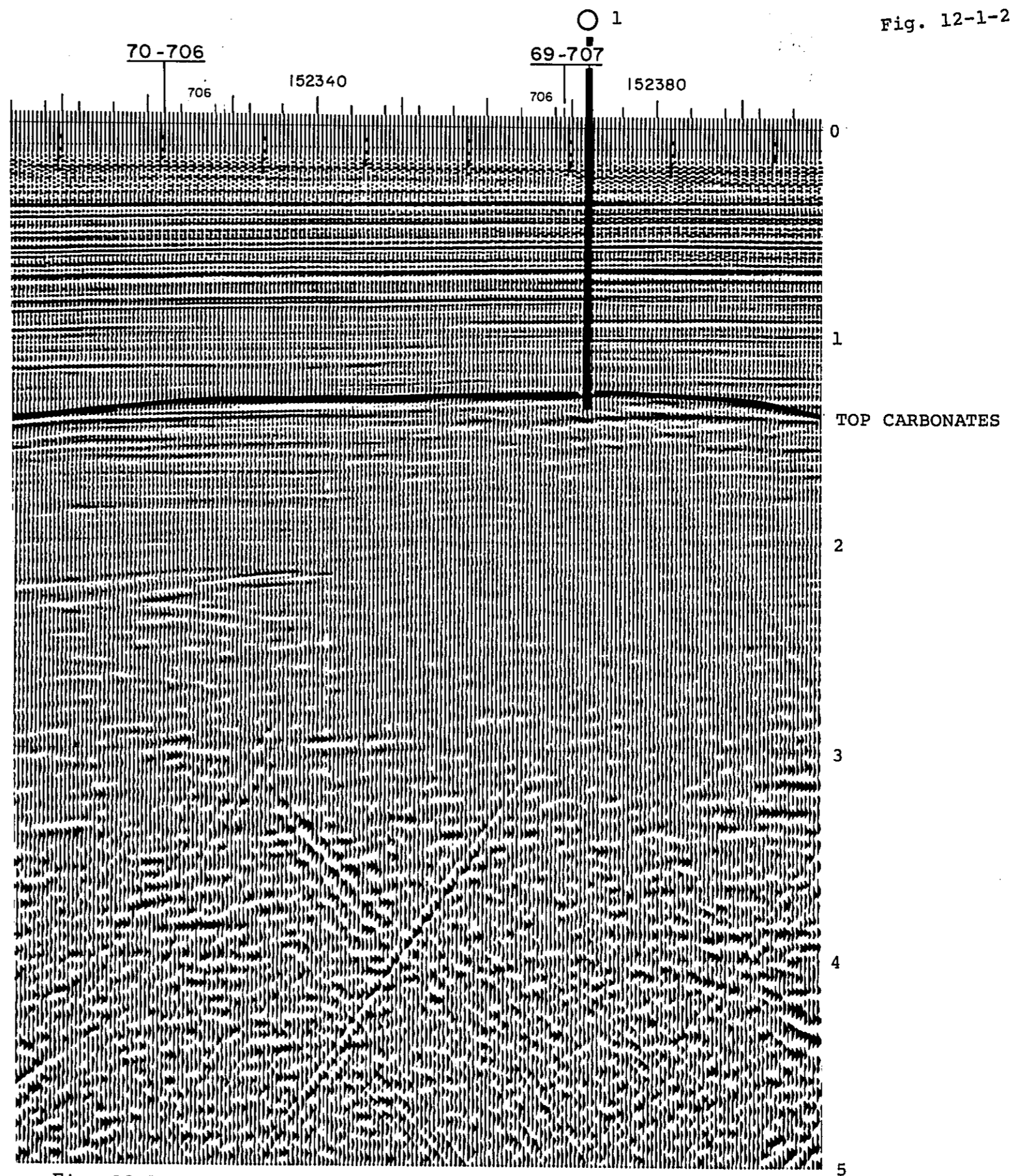


Fig. 12-1-22 SEISMIC SECTION, K-4 FIELD, Line 73-189
Vol. IV

Fig. 12-1-24

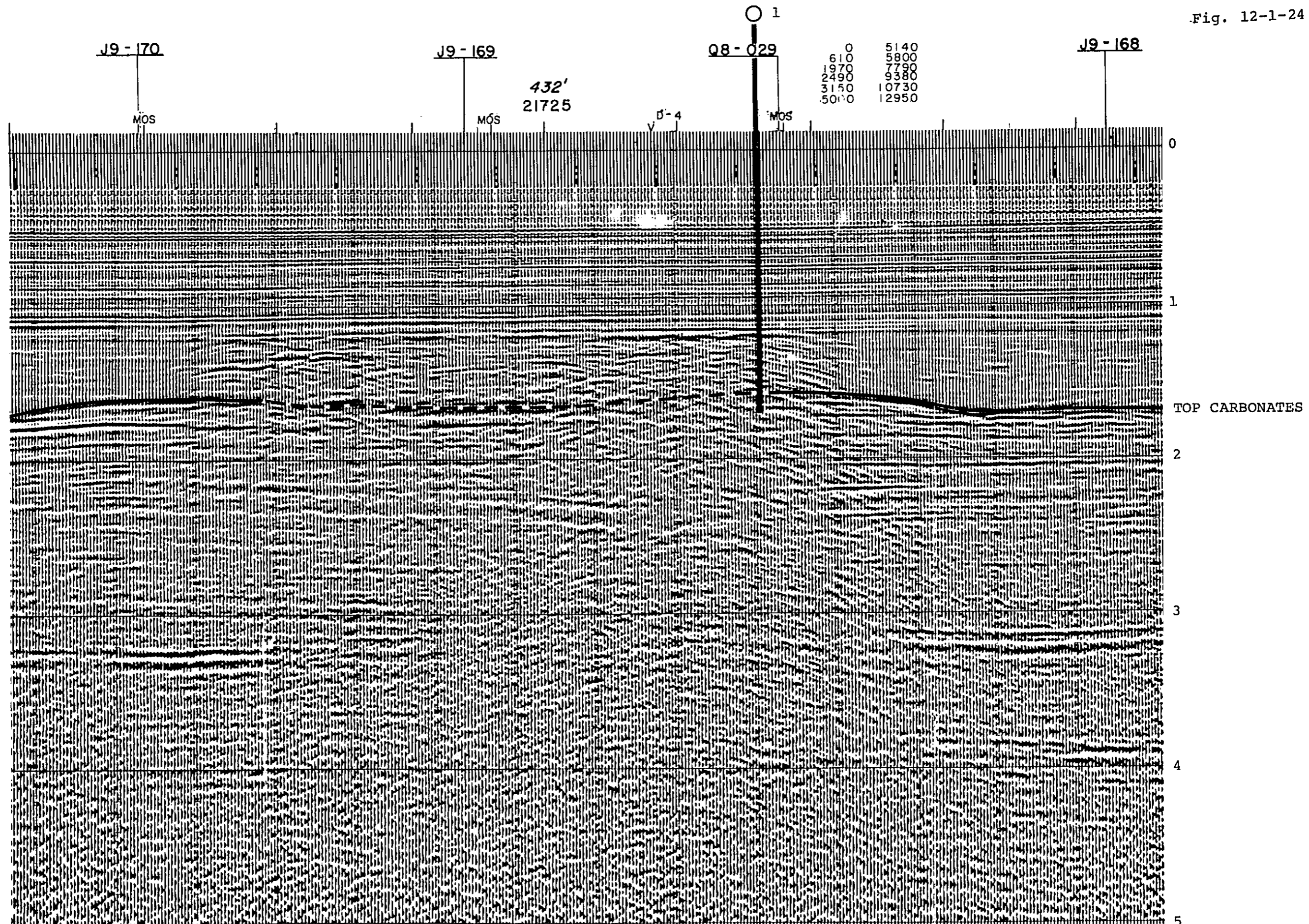


Fig. 12-1-24 SEISMIC SECTION, M-1 FIELD, Line J9-674
Vol. IV

Fig. 12-1-25

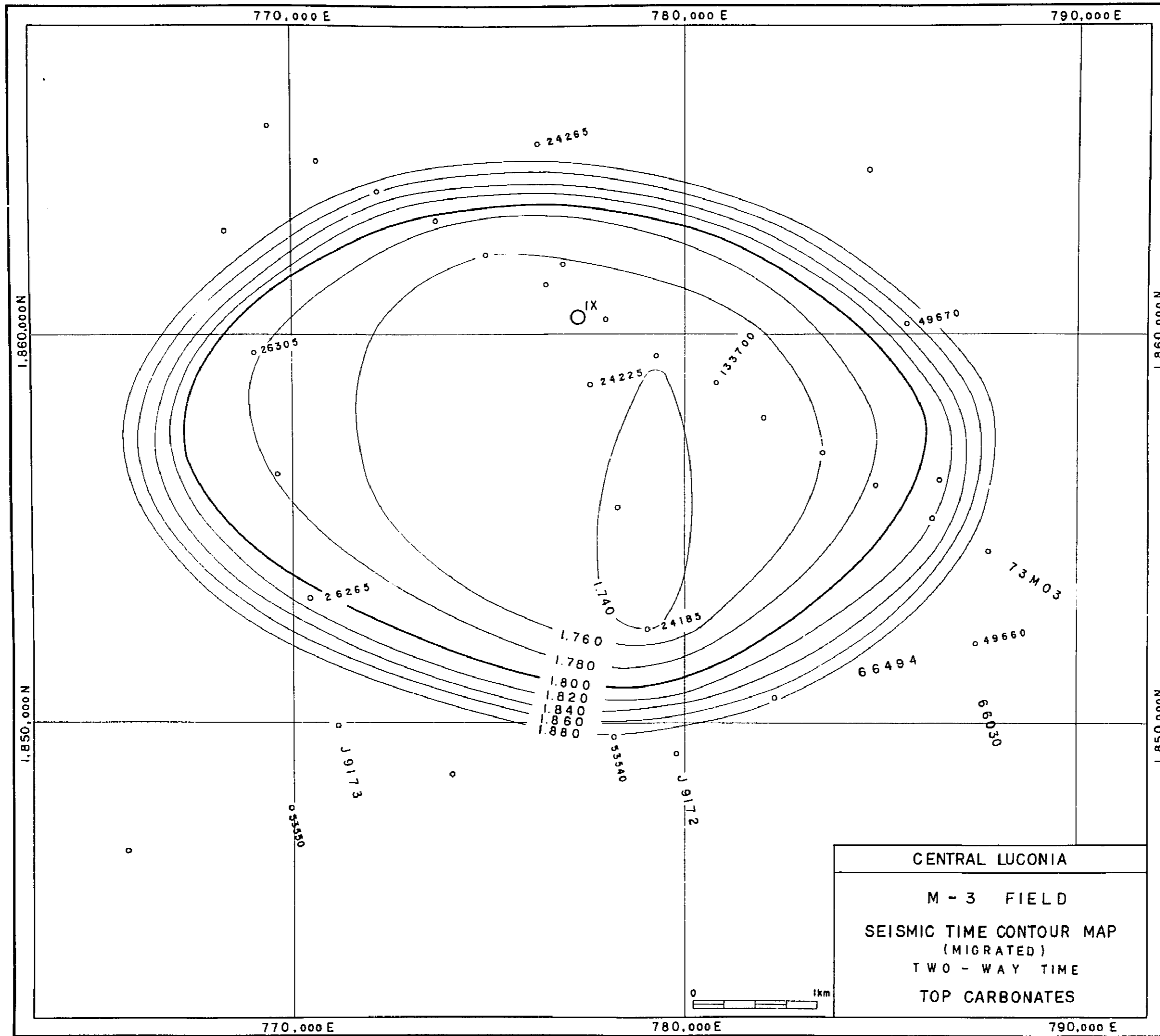


Fig. 12-1-25 TIME CONTOUR MAP, M-3 FIELD, TOP CARBONATES
Vol. IV

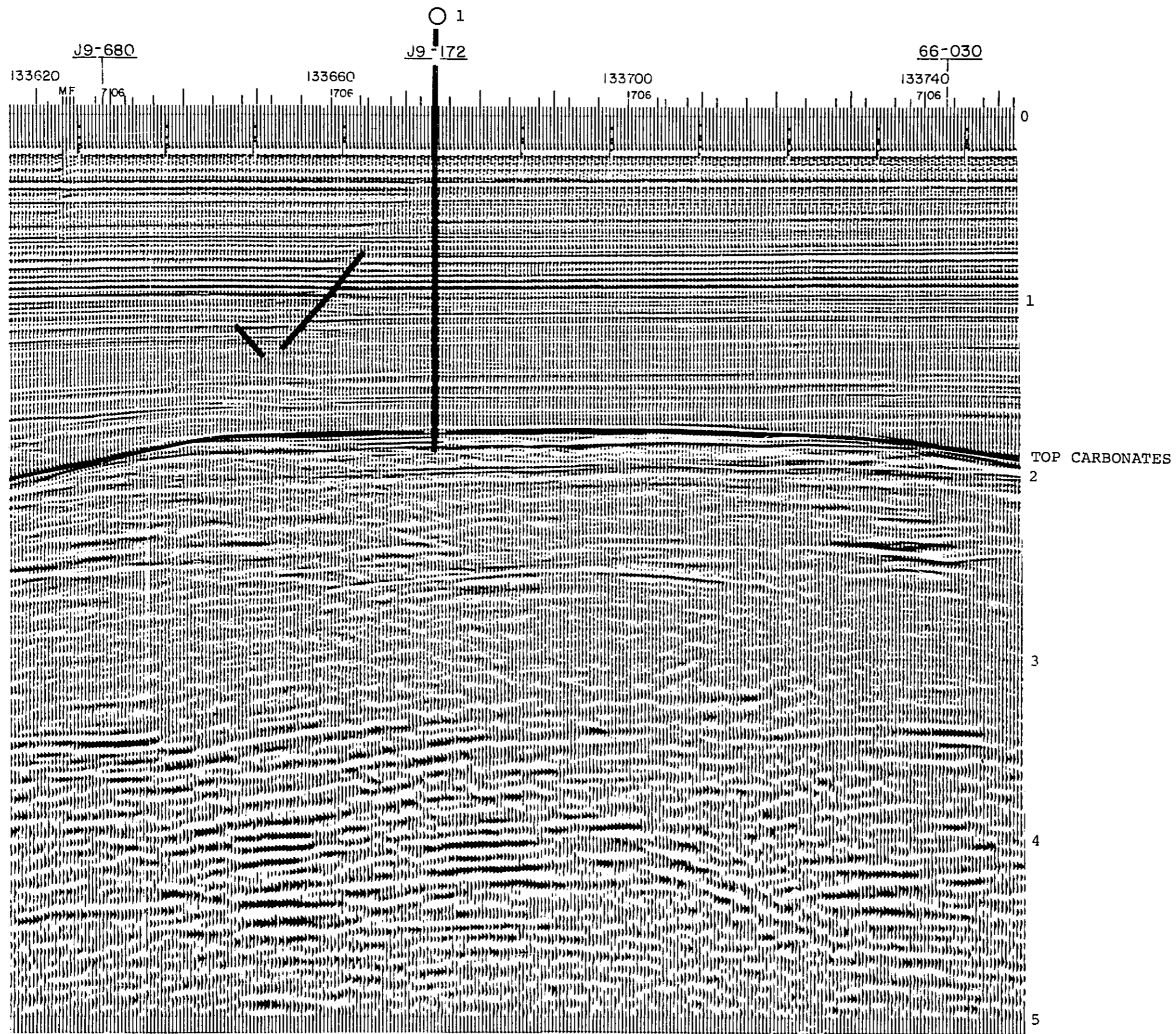


Fig. 12-1-26 SEISMIC SECTION, M-3 FIELD, Line 73-M-03
Vol. IV

Fig. 12-1-28

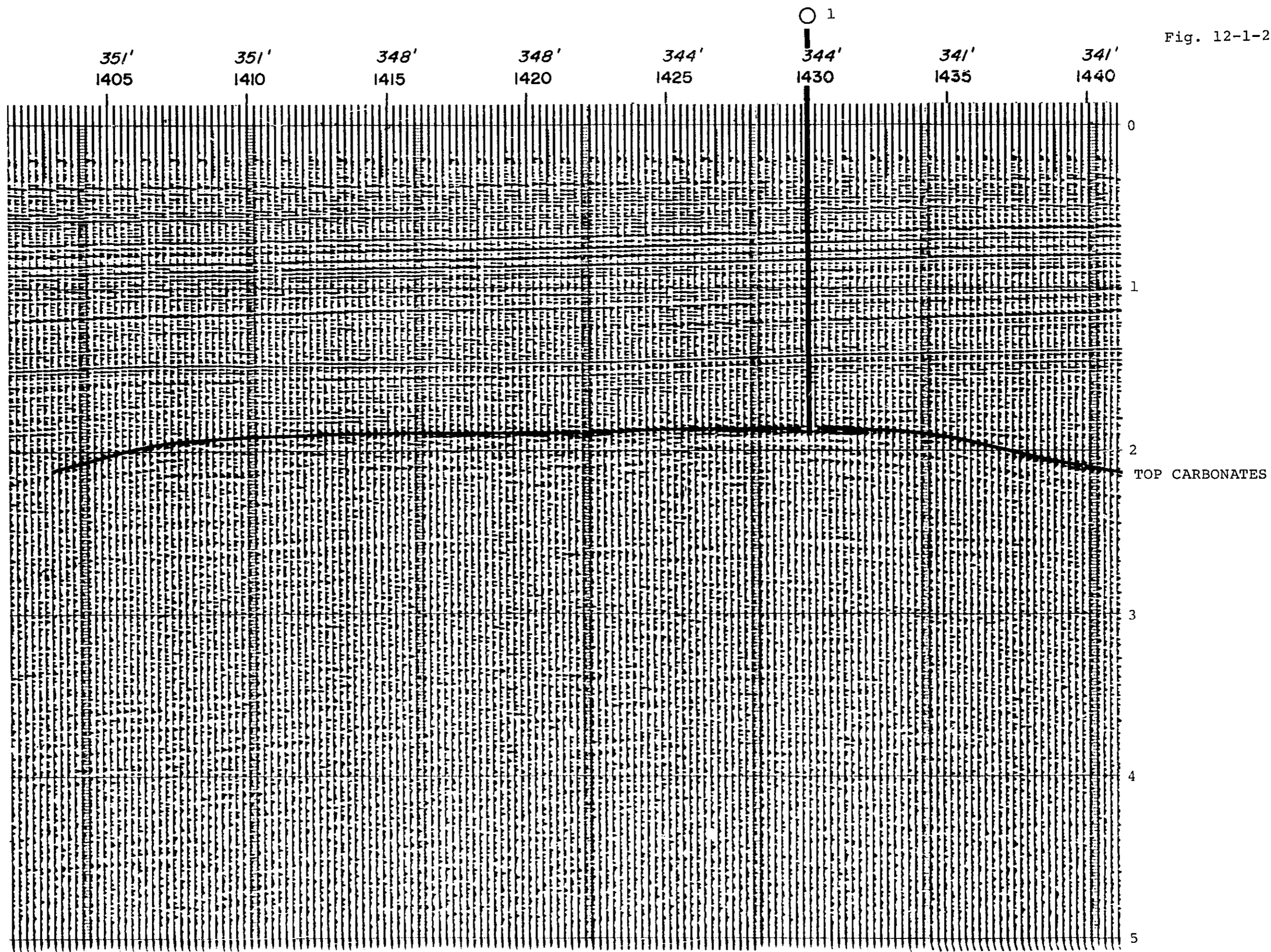


Fig. 12-1-28 SEISMIC SECTION, M-5 FIELD, Line Q8-031
Vol. IV

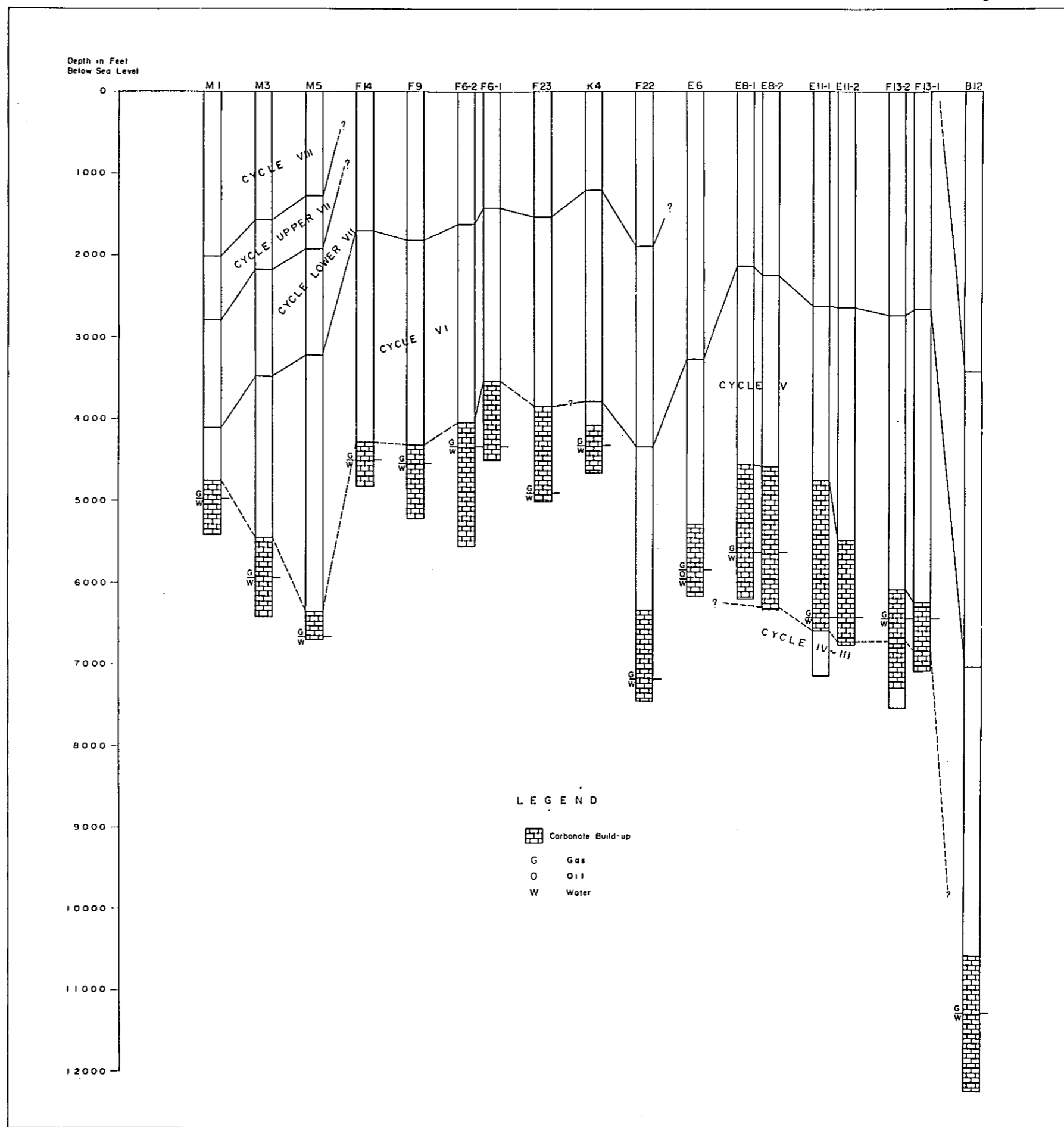


Fig. 12-2-1
Vol. IV

CARBONATE BUILDUP DEVELOPMENT AND SEDIMENTARY CYCLES
IN CENTRAL LUCONIA FIELD

Fig. 12-2-2

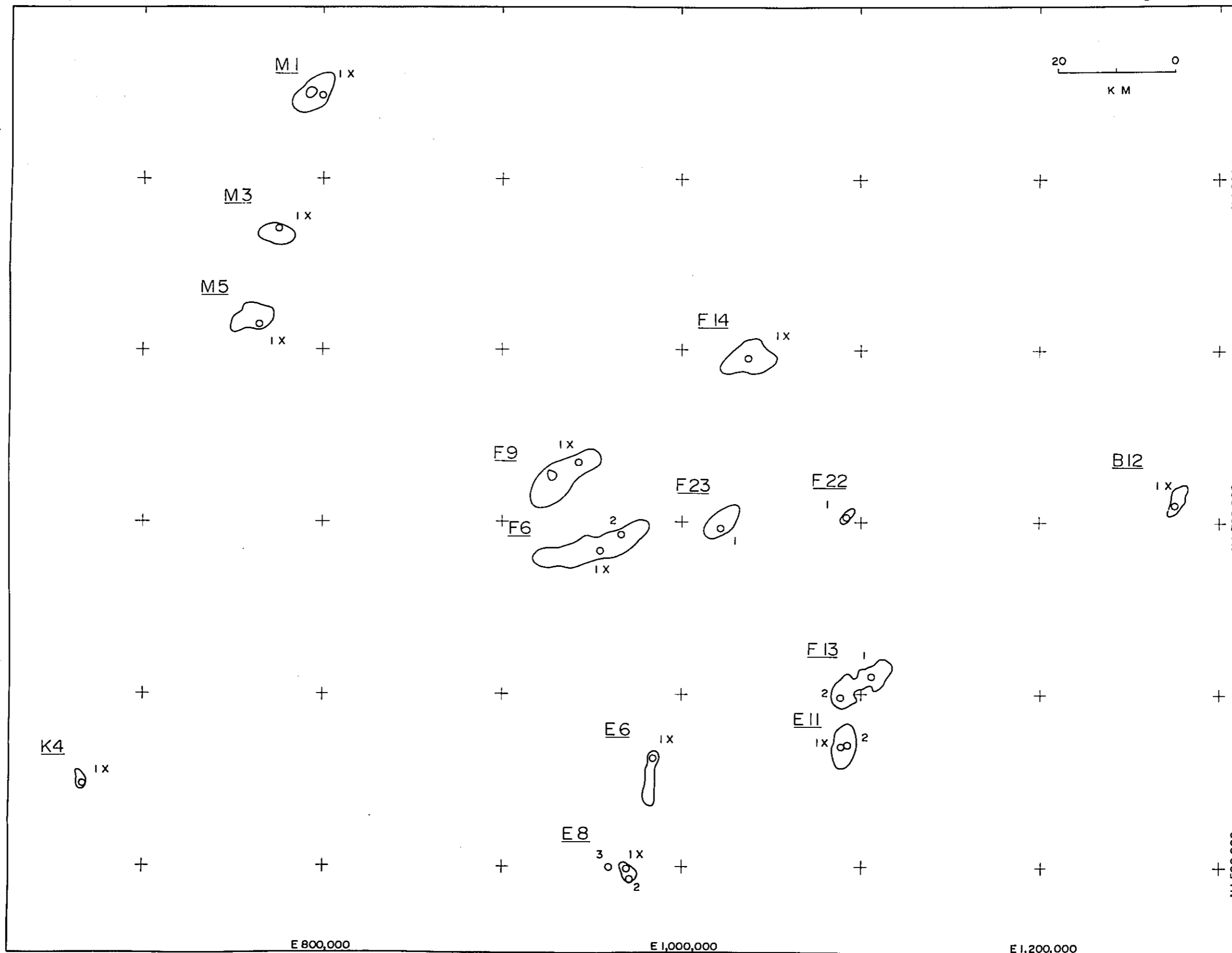


Fig. 12-2-2 Vol. IV MAP SHOWING LOCATION AND AREAL SIZE OF CENTRAL LUCONIA FIELD

CENTRAL LUCONIA B-12

STRUCTURE CONT. MAP, TOP CARBONATES

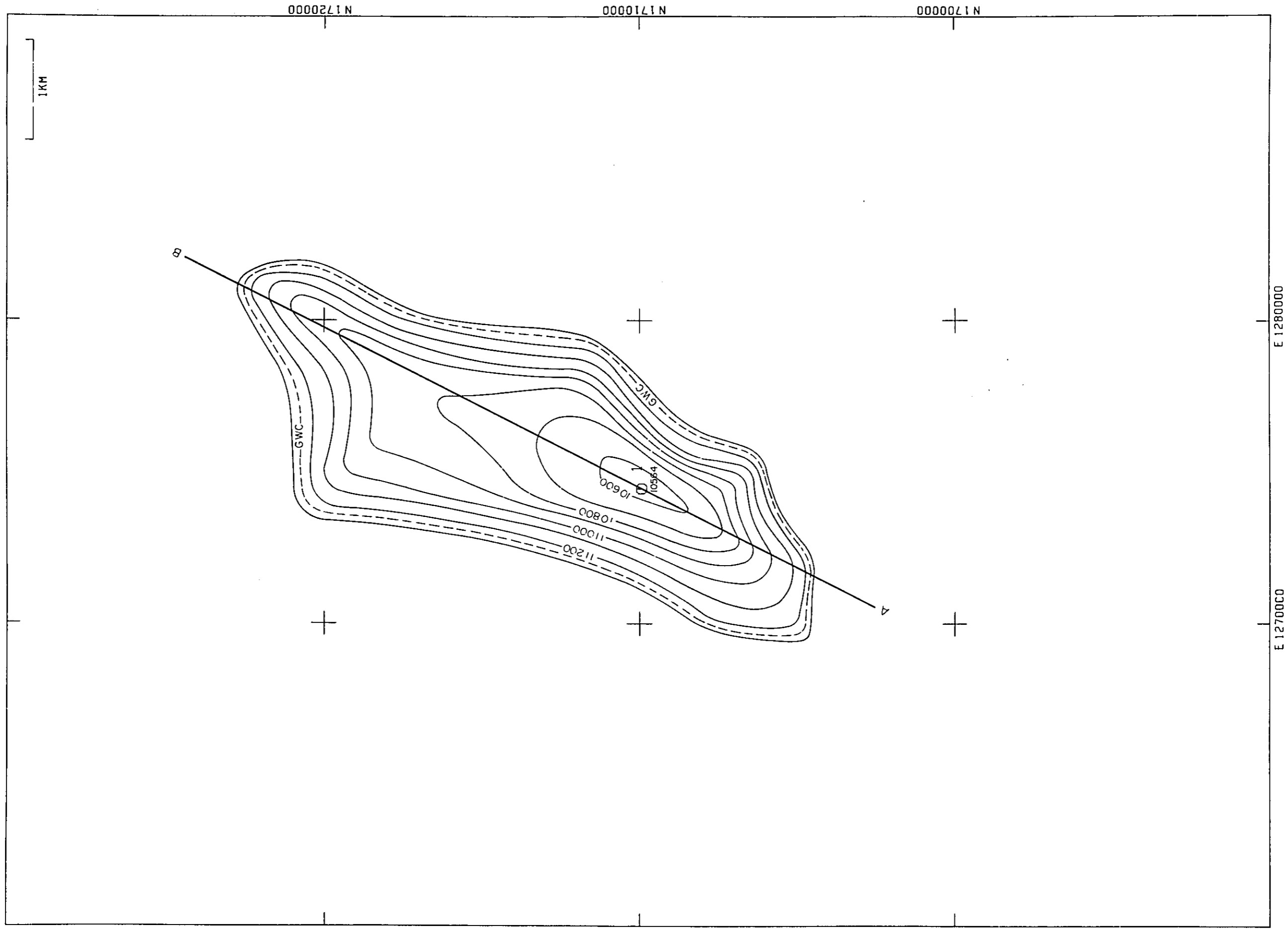


Fig. 12-2-3 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA
Vol. IV B12, TOP CARBONATES

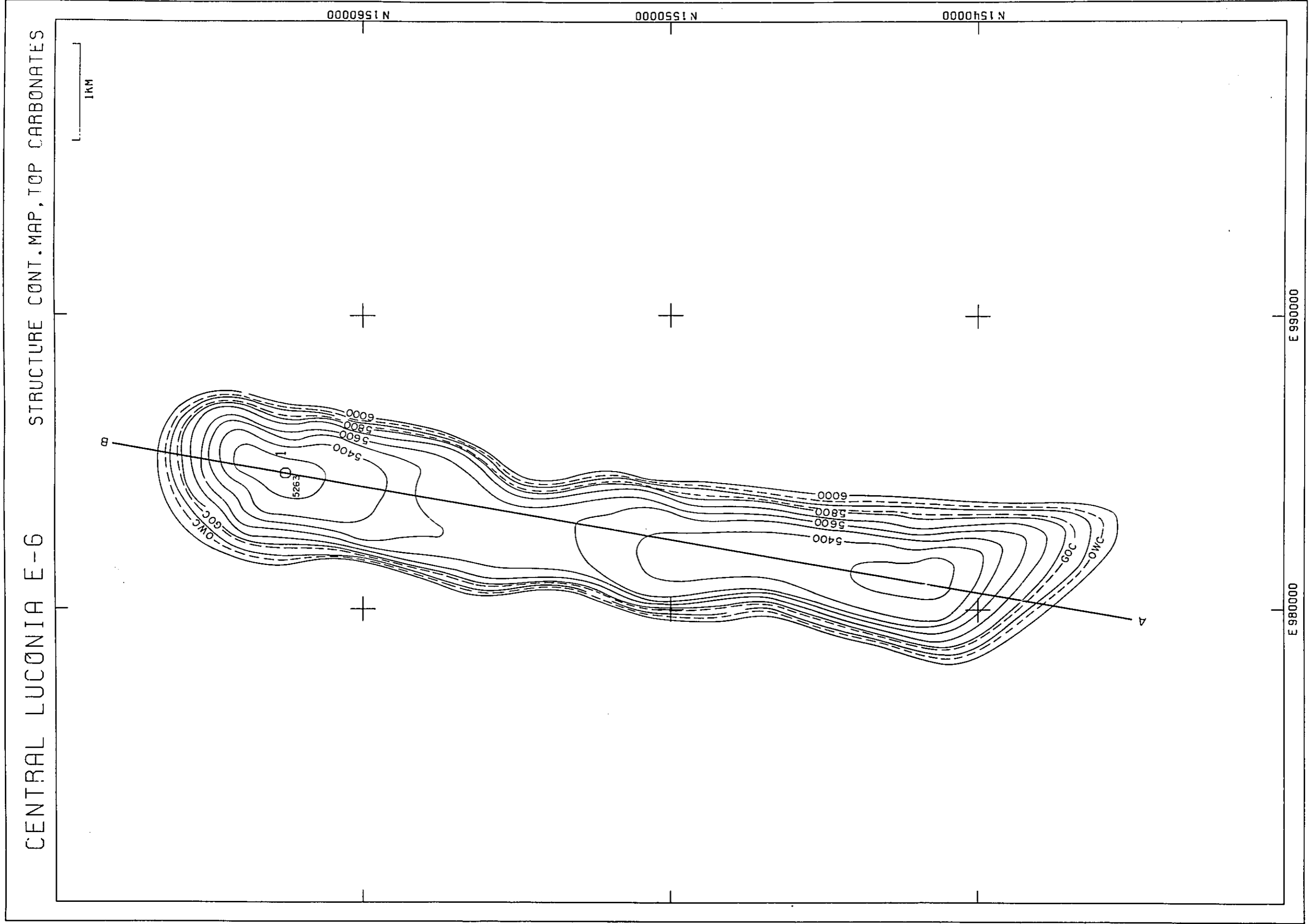


Fig. 12-2-4 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA
 Vol. IV E6, TOP CARBONATES

CENTRAL LUCONIA E-8

STRUCTURE CONT. MAP, TOP CARBONATES

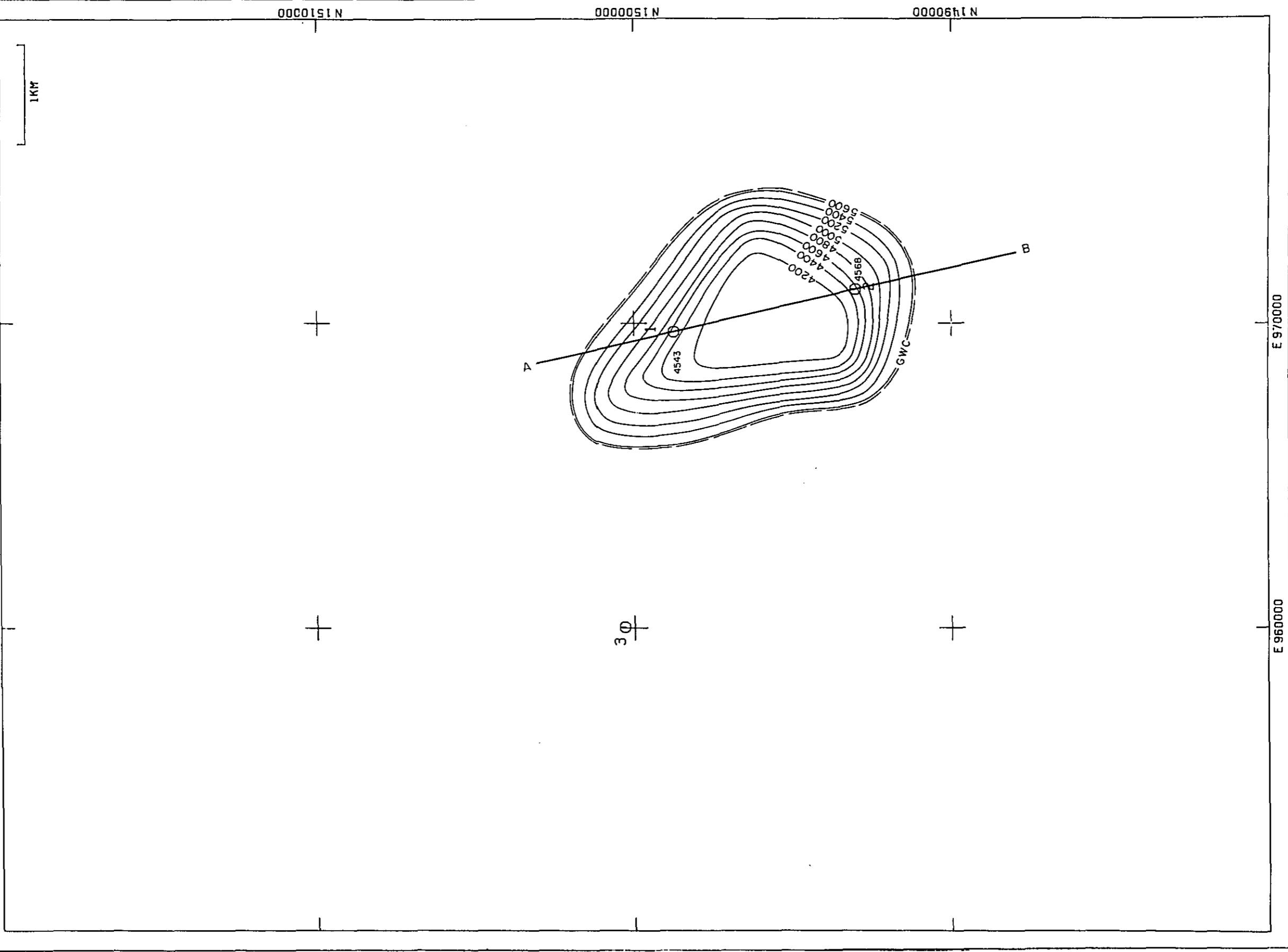


Fig. 12-2-5 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA
Vol. IV E8, TOP CARBONATES

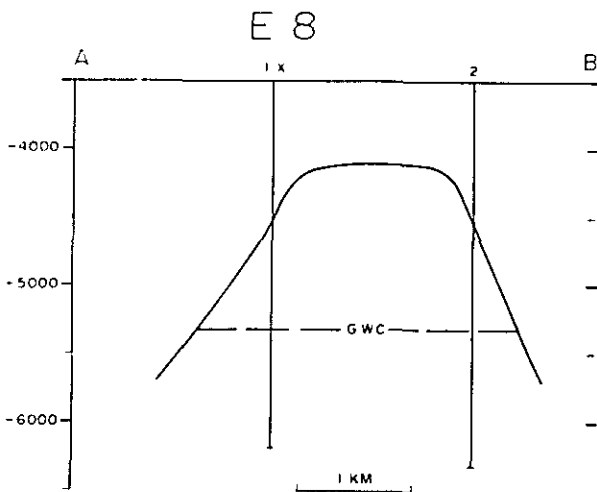
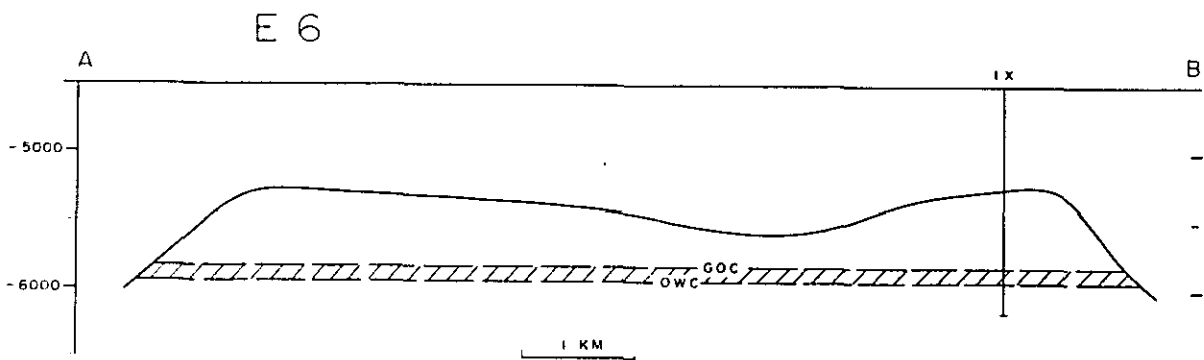
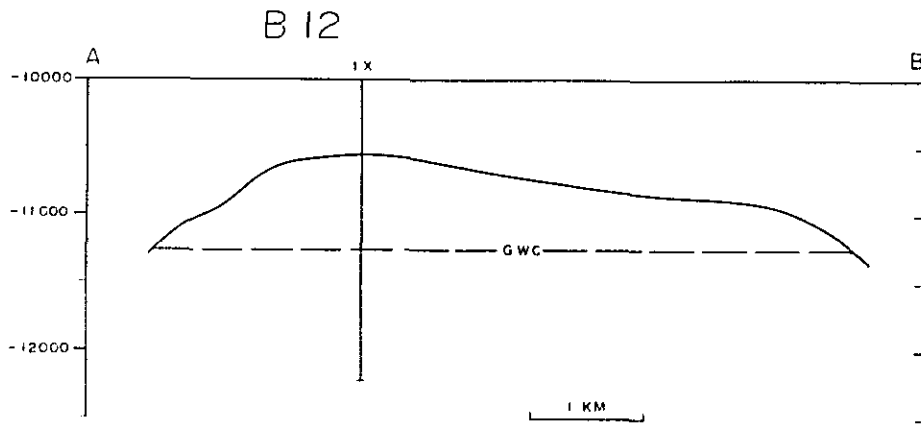


Fig. 12-2-6 STRUCTURAL CROSS-SECTION, CENTRAL LUCONIA B12, E6
Vol. IV AND E8

CENTRAL LUCONIA E-11

STRUCTURE CONT. MAP, TOP CARBONATES

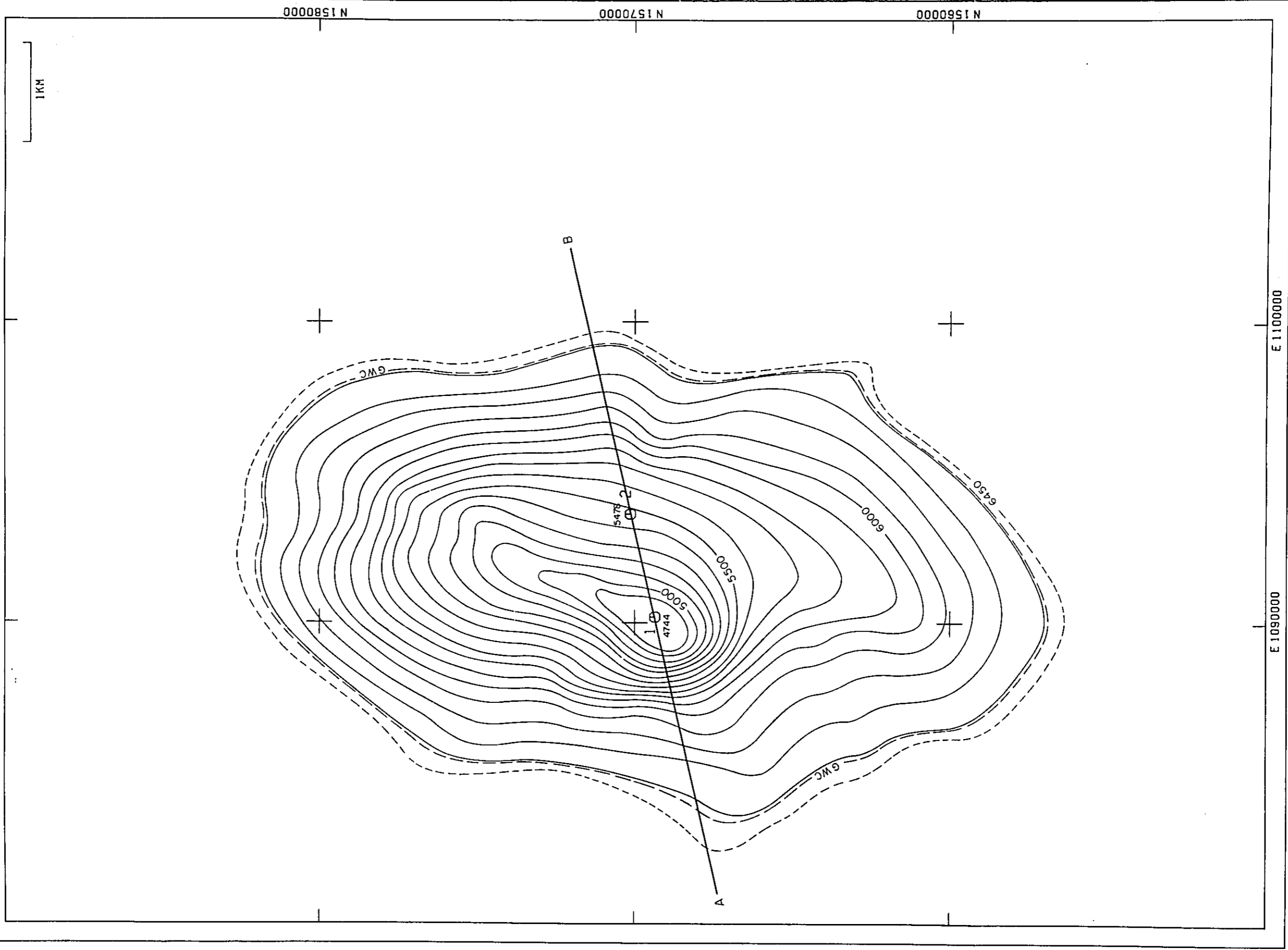


Fig. 12-2-7 STRUCTURE CONTOUR MAP CENTRAL LUCONIA
Vol. IV E11, TOP CARBONATES

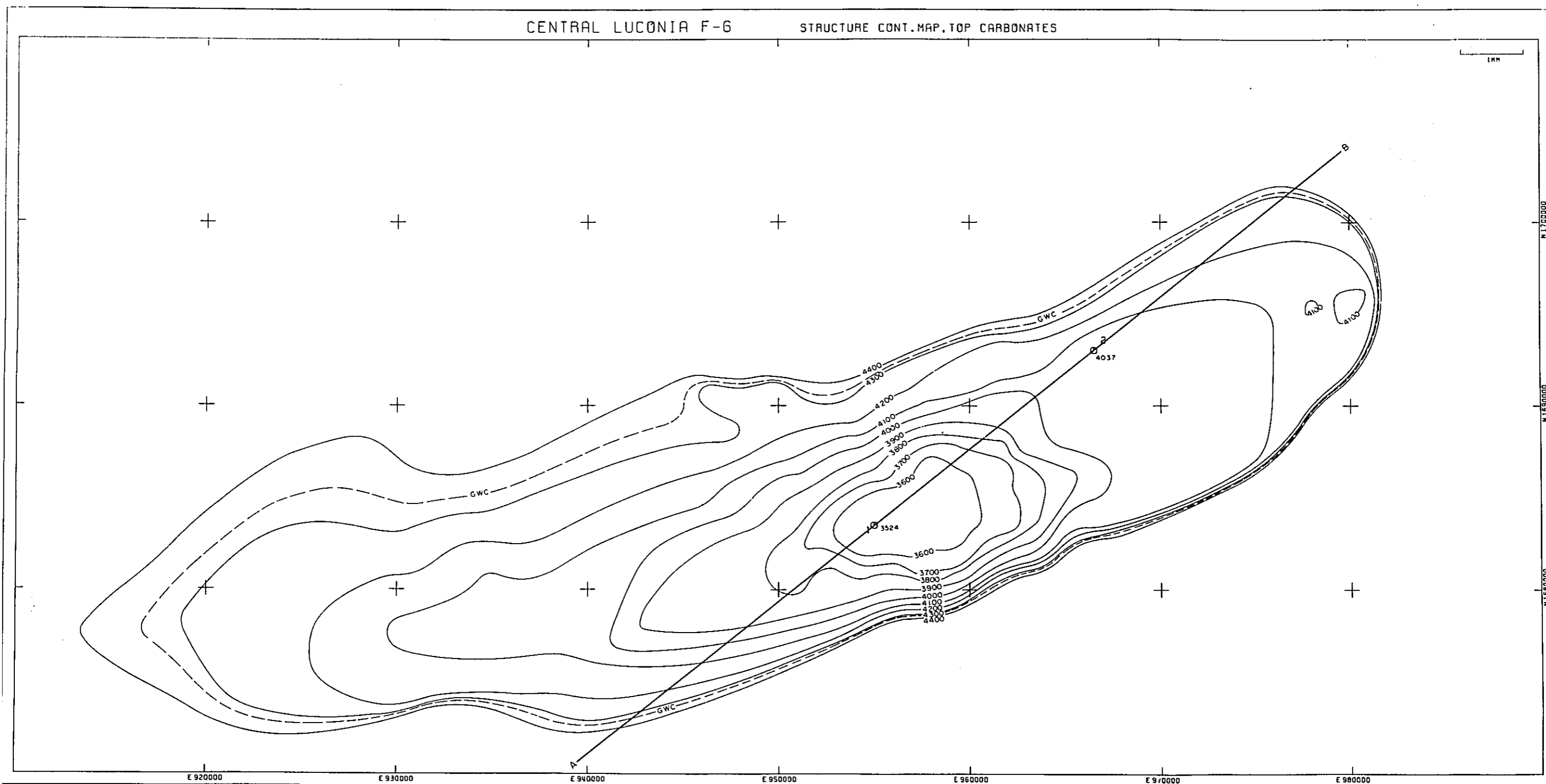


Fig. 12-2-8
Vol. IV

STRUCTURE CONTOUR MAP, CENTRAL LUCONIA
F6, TOP CARBONATES

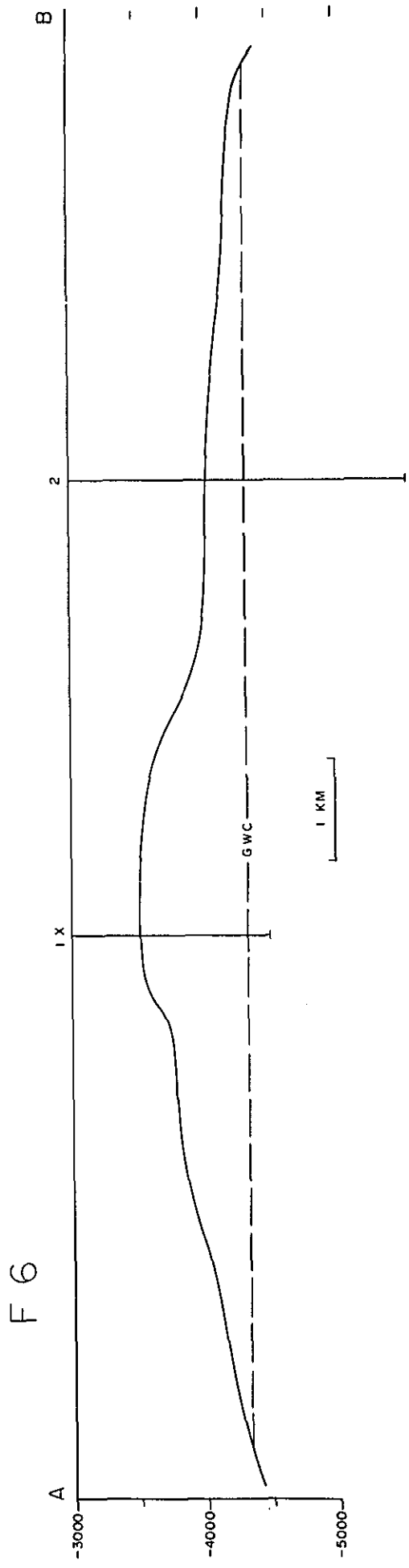
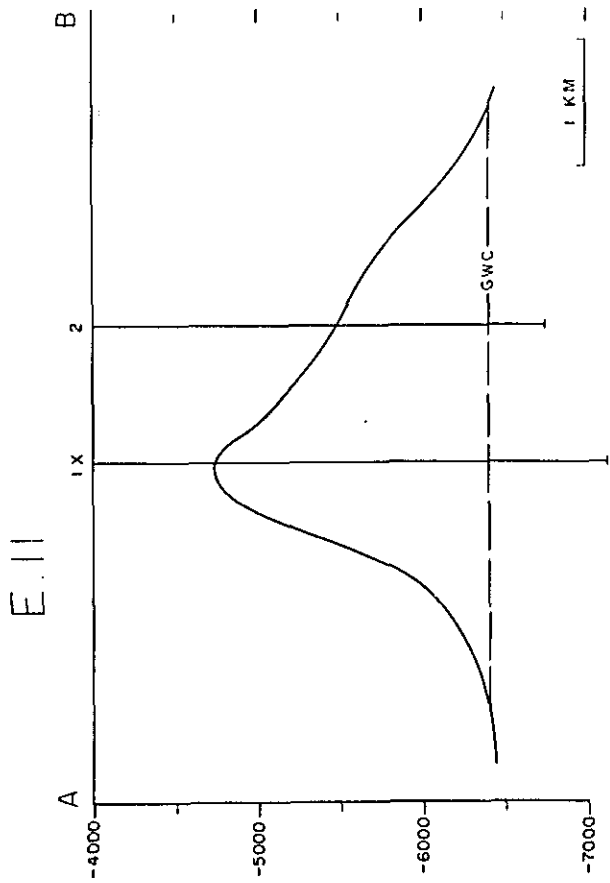


Fig. 12-2-9 STRUCTURAL CROSS-SECTION, CENTRAL LUCONIA E11 AND F6
Vol. IV

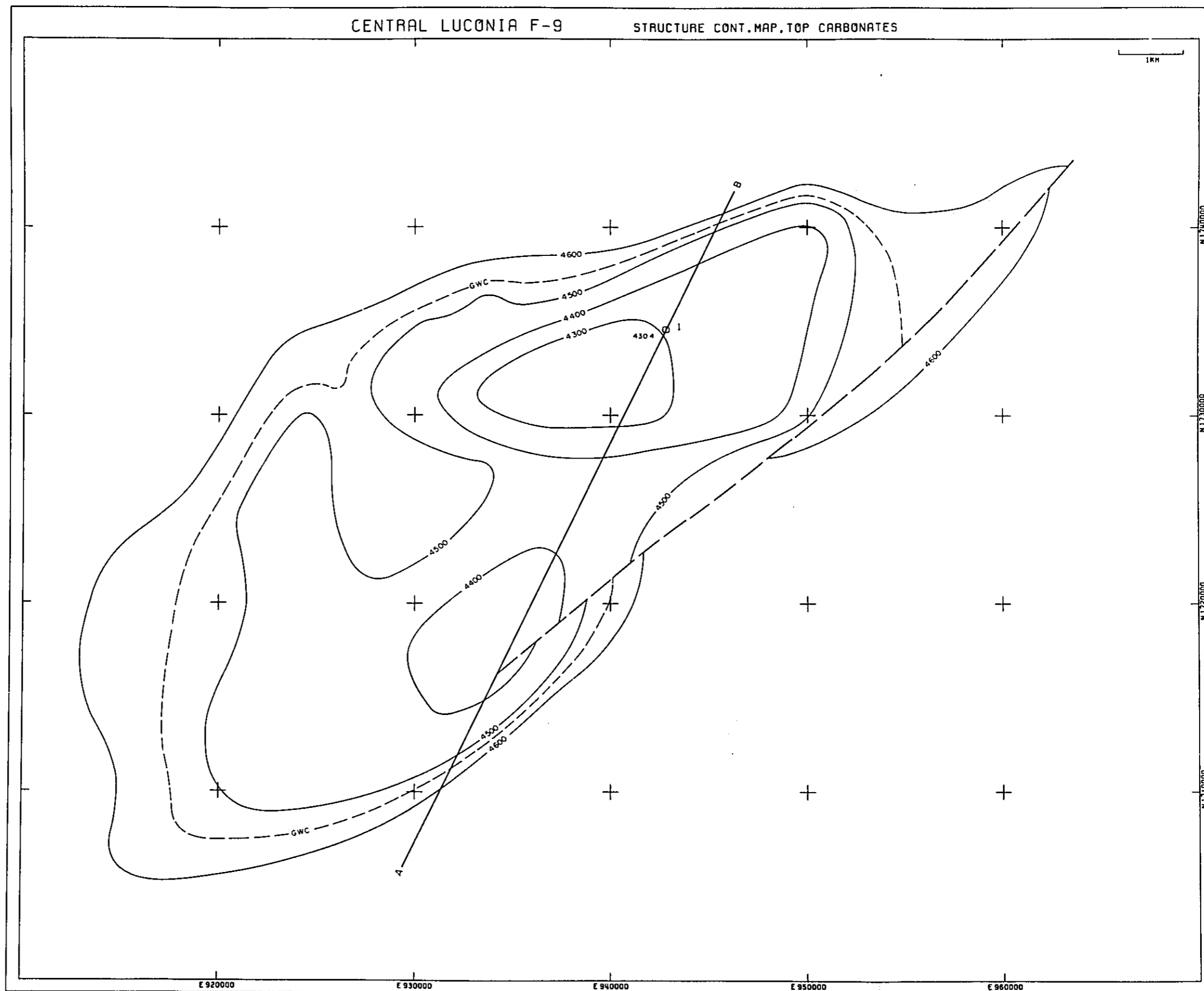


Fig. 12-2-10 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA F9, TOP CARBONATES
Vol. IV

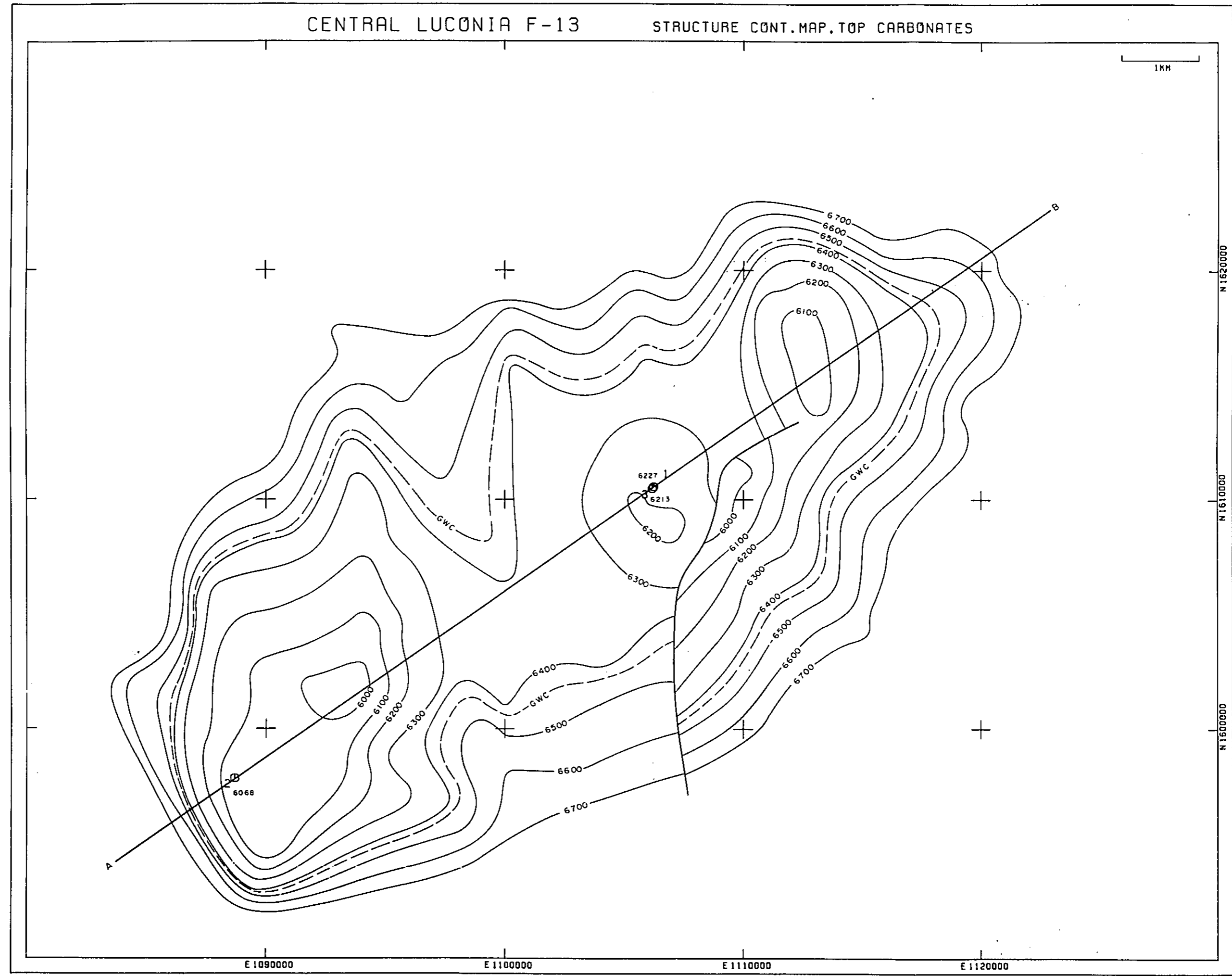
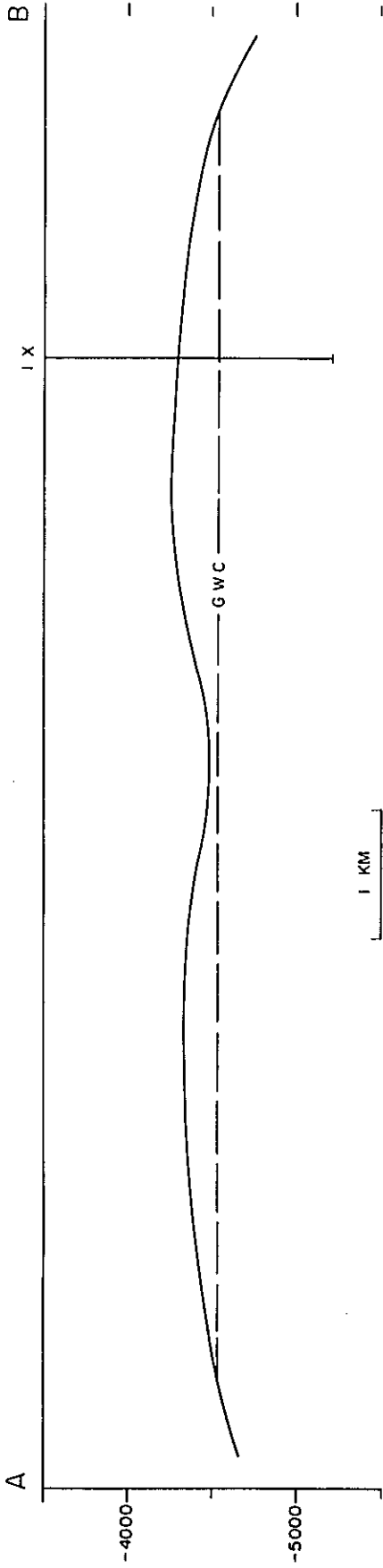


Fig. 12-2-11 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA F13, TOP CARBONATES
Vol. IV

F 9



F 13

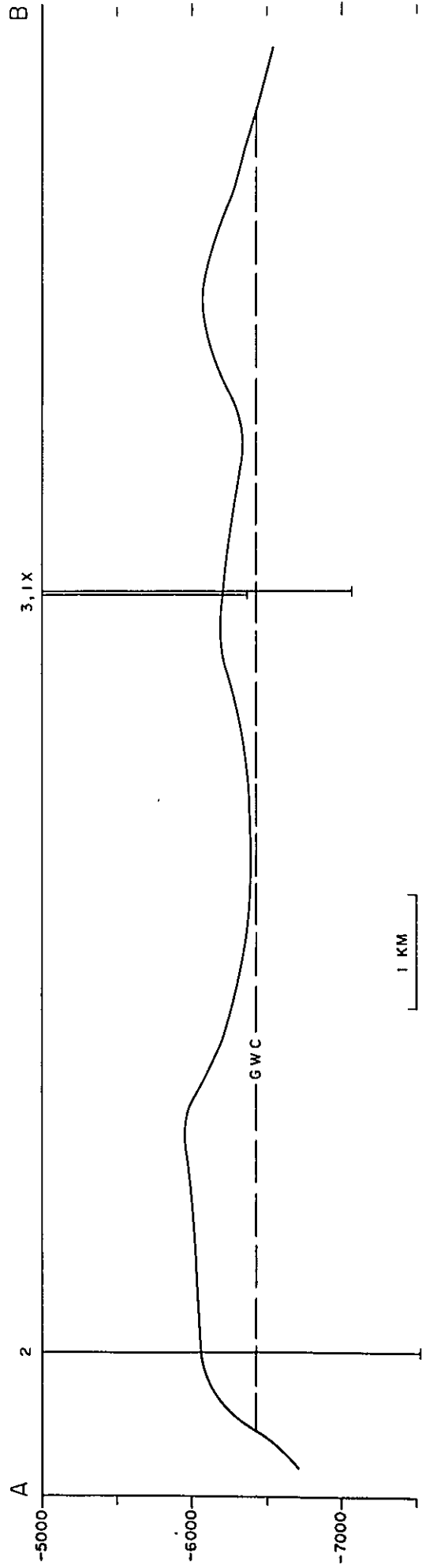


Fig. 12-2-12 STRUCTURAL CROSS-SECTION, CENTRAL LUCONIA F9 AND F13
VOL. IV

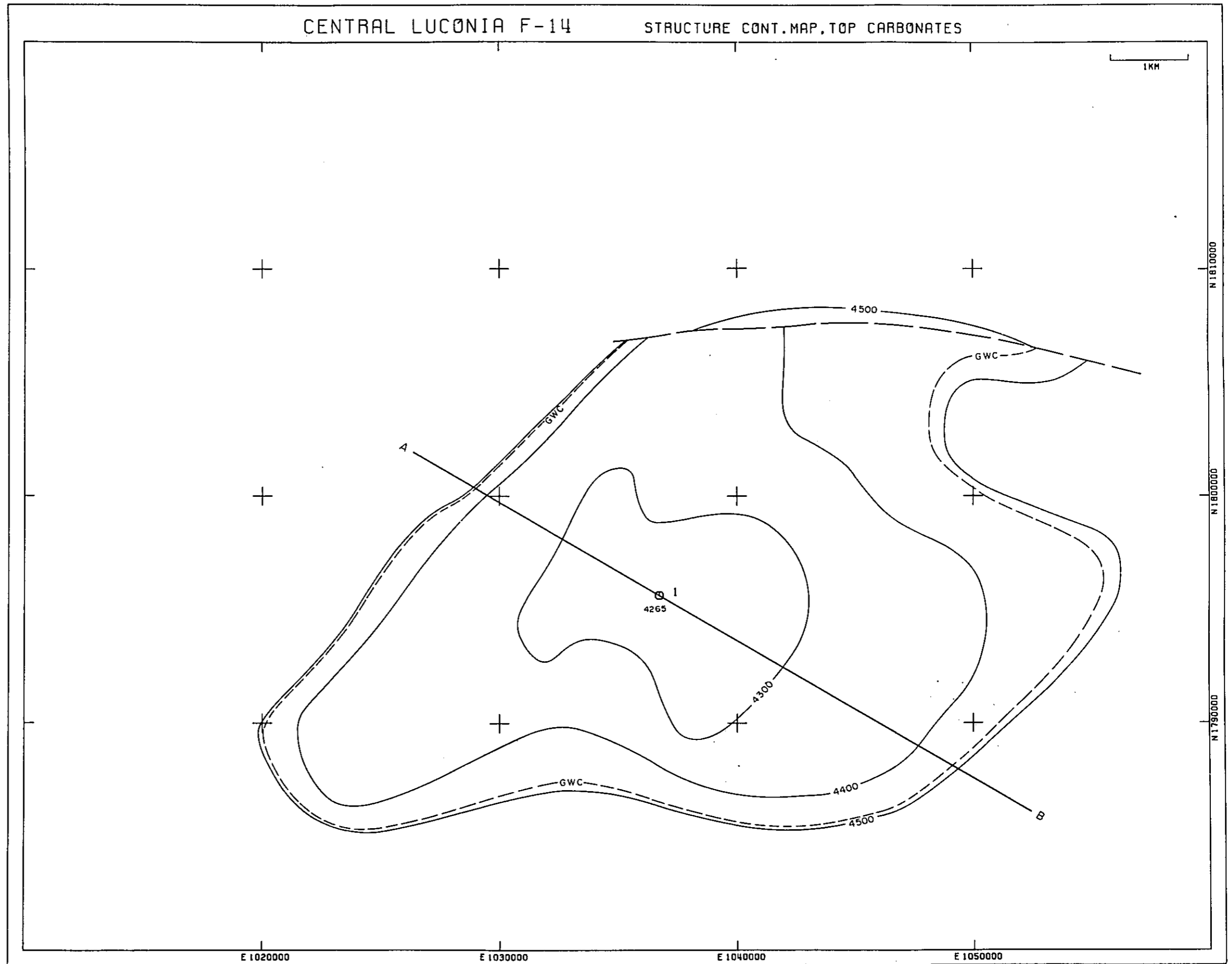


Fig. 12-2-13 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA F14, TOP
Vol. IV CARBONATES

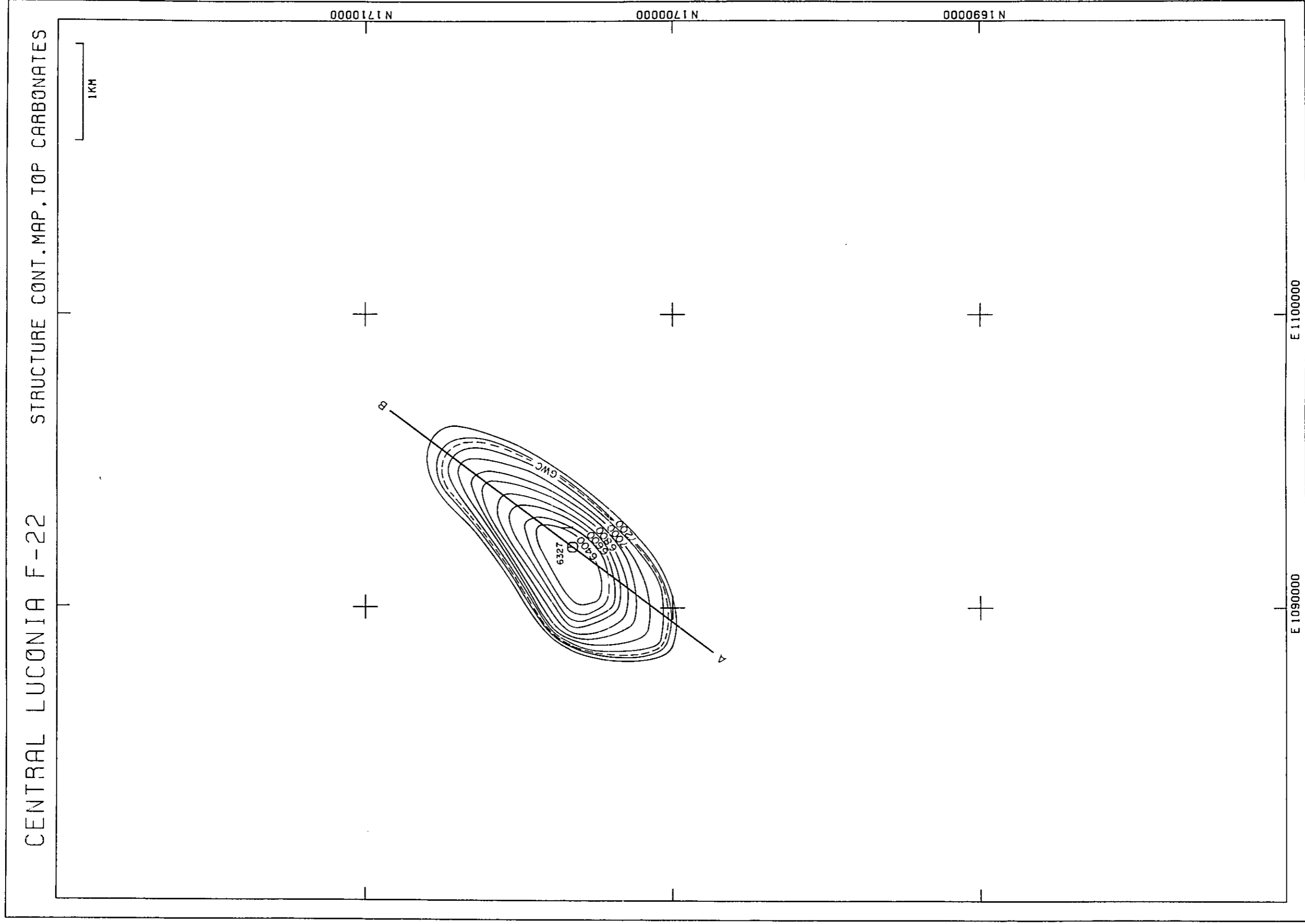


Fig. 12-2-14 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA F22, TOP
Vol. IV CARBONATES

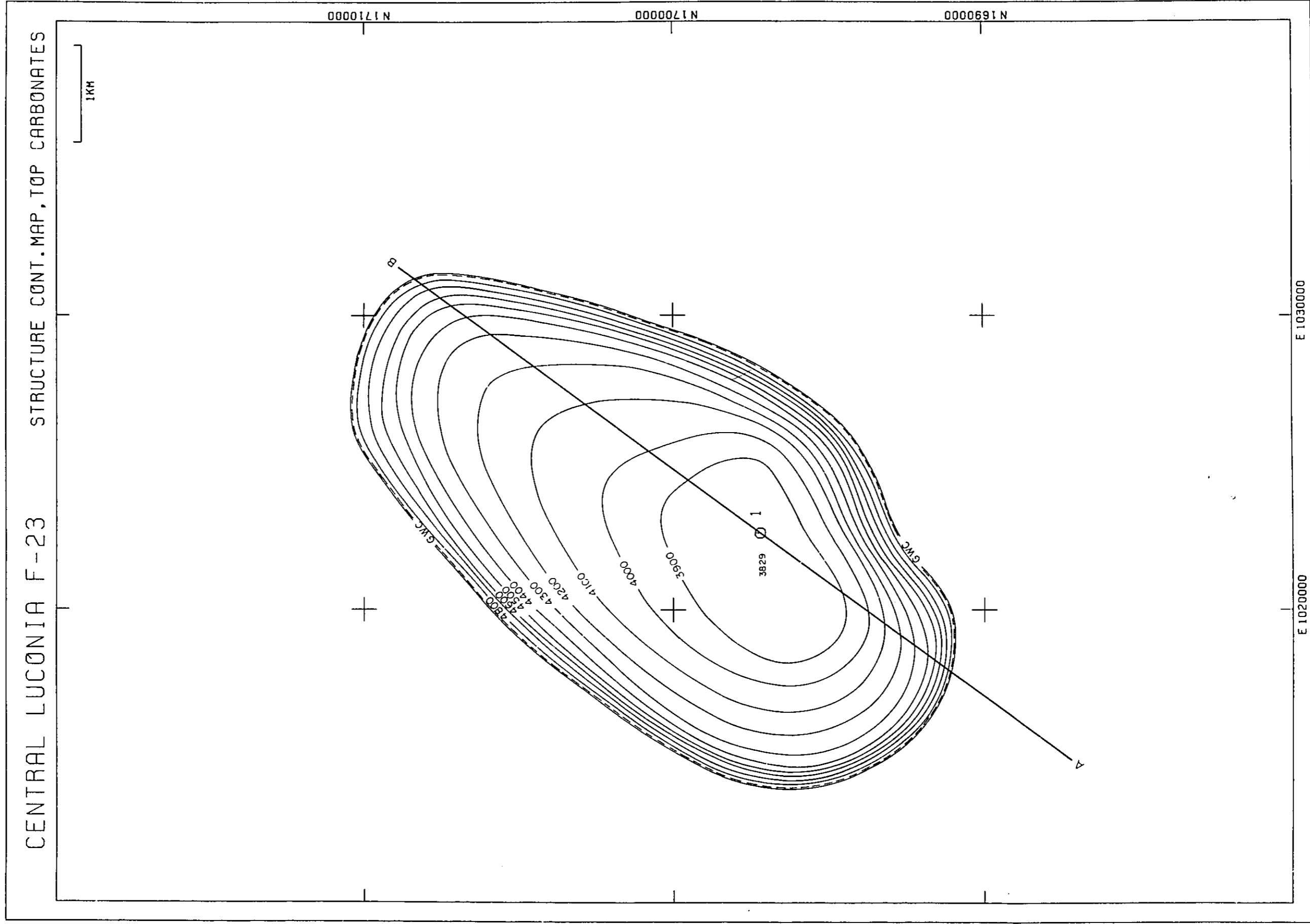


Fig. 12-2-15 STRUCTURE CONTOUR MAP, CENTRAL LUCONIA F23, TOP
Vol. IV CARBONATES