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FILE_CAB⁹DRAWER__

GEOTHERM:
ALASKA

RECORD IDENTIFICATION

RECORD NO.... 0045009
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 64-52-47N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 147-49-05W

Doyon

TOWNSHIP RANGE SECTION 1/4 1/4
01N 01W 30 SE SE
MAP REFERENCE: FAIRBANKS D-2

SAMPLE INFORMATION

COLLECTION DATE..... 1976/08/30

WATER ANALYSIS

PH 1)..... W 6.8

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			130			
NH4	NO3	P04	SI02	S04	C03	HC03
						692

RECORD IDENTIFICATION

RECORD NO.... 0045008
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 64-52-49N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 147-49-11W

TOWNSHIP RANGE SECTION 1/4 1/4
01N 01W 30 SE SW
MAP REFERENCE: FAIRBANKS D-2

Dayon

SAMPLE INFORMATION

COLLECTION DATE..... 1976/09/09

WATER ANALYSIS

PH 1)..... W 6.9

RECORD IDENTIFICATION

RECORD NO..... 0045072
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. ACOCI BIAL NO. 1
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 59-44-44N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 153-13-51W

TOWNSHIP RANGE SECTION 1/4 1/4
05S 23W 17 NW SE
MAP REFERENCE: ILIAMNA C-1

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1956/06/13
DEPTH..... 2970.3 M
GRADIENT..... 31.4 C/KM
WATER SAMPLING TEMP.... 92.2 C

OTHER SAMPLE INFORMATION: CONSIDERABLE LOW PRESSURE GAS FROM 6000FT TO 9622FT PLUS OIL SHOWS.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045070
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. AMOCO CATHEDRAL RIVER UNIT NO. 1
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 55-44-03N LONGITUDE..... 162-07-18W

TOWNSHIP RANGE SECTION 1/4 1/4
51S 83W 29 SE NW
MAP REFERENCE: COLD BAY C-1

ALEUT

SAMPLE INFORMATION

COLLECTION DATE..... 1974/06/28
DEPTH..... 4355.6 M
GRADIENT..... 31.7 C/KM
WATER SAMPLING TEMP.... 142.8 C
OTHER SAMPLE INFORMATION: TD 4359.0M.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD 00025

RECORD IDENTIFICATION

RECORD NO.... 0045077
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. ANTONIO ZAPPA NO. 1, ALASKA CONSOLIDATED OIL CO INC.
 COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
 STATE/PROVINCE..... ALASKA

TOWNSHIP	RANGE	SECTION	1/4	1/4
05S	23W	18	NW	SE

MAP REFERENCE: ILIAMNA C-1

59°40' 153°10' — CHugak

SAMPLE INFORMATION

COLLECTION DATE..... 1961/11/07
 DEPTH..... 2591. M
 WATER SAMPLING TEMP.... 100M C

OTHER SAMPLE INFORMATION: FLOWING HOT SALT WATER AND STEAM AT 375 POUNDS. TO 3422.9M(11231FT). OCT. 17-22, 1961:
 APPROX. 8512' (2594.5M) USING 52BBL WATER CUSHION (2 7/8 IN. TBG), WAT. TO SURF. IN 8 MIN. FOLLOWED BY MUD W/SLIGHT
 SHOW OF GAS AT 60# FLOWING PRESSURE. AFTER 2HR 19MIN CLOSED FOR 5MIN TO CHANGE TOP CHOKE TO 1/2". PRESSURE BUILT
 UP TO 2150#. REOPENED AND WELL FLOWED MUD FOR 4 1/2 HRS AT 400#. THEN STARTED FLOWING HOT SALT WATER AND STEAM AT
 375#. FLOWED STEADILY FOR 2HRS AND SHUT IN. 6780-8005 PERFORATIONS YIELDED ONLY DRY GAS TOO SMALL TO MEASURE.
 (3" FLAME THROUGH 2" PIPE). PRESENT STATUS 11/8/61: RETAINER AT 8367 TO SHUT OFF SALT WATER ENCOUNTERED IN OPEN
 HOLE AND PERFORATIONS FROM 8500-8425'. 10310' RECRYSTALLIZATION OF THE ROCK MIGHT BE THE RESULT OF HIGH
 TEMPERATURES AND PRESSURES ALONG A FAULT ZONE. FROM CORE DESCRIPT. #27. CORE #28(1040010410) VERY HIGHLY
 FRACTURED SILTSTONE. CORE #29(10502-10514) VERY HIGHLY FRACTURED SILTSTONE. CORE # 30(10514-10532) VERY HIGHLY
 FRACTURED VOLCANIC SEDS. 10774-5 FAULTED INTERVAL.

WATER ANALYSIS

REFERENCES: BLASKO, DONALD P., OIL AND GAS EXPLORATION ON THE INISKIN PEN., AK., OPEN FILE REPORT 69-76

RECORD IDENTIFICATION

RECORD NO.... 0045048
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. ARCO DRIFT RIVER ST. OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-32- N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 152-12- W

COOK INLET

TOWNSHIP RANGE SECTION 1/4 1/4
05N 17W 11 SE NW
MAP REFERENCE: KENAI C-6

SAMPLE INFORMATION

COLLECTION DATE..... 1966/11/15
DEPTH..... 1644.1 M
GRADIENT..... 50.5 C/KM
WATER SAMPLING TEMP.... 82.2 C
OTHER SAMPLE INFORMATION: OFFSHORE

WATER ANALYSIS

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045062
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. ATLANTIC REF RAINBOW FED. NO.2
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 62-30-32N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 146-04-15W

AHTNA

TOWNSHIP RANGE SECTION 1/4 1/4
08N 05W 01 NW NE
MAP REFERENCE: KENAI D-1

SAMPLE INFORMATION

COLLECTION DATE..... 1966/01/25
DEPTH..... 851.3 M
GRADIENT..... 34.3 C/KM
WATER SAMPLING TEMP.... 26.7 C
OTHER SAMPLE INFORMATION: NO WATER, OIL, OR GAS FLOWS IN THIS WELL.

WATER ANALYSIS

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045063
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. ATLANTIC REF RAINBOW FED. NO. 1
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 62-25-51N LONGITUDE..... 146-14-01W

TOWNSHIP RANGE SECTION 1/4 1/4
08N 05W 31 SW NW
MAP REFERENCE: KENAI C-1

AHTNA

SAMPLE INFORMATION

COLLECTION DATE..... 1965/12/20
DEPTH..... 910.4 M
GRADIENT..... 33.7 C/KM
WATER SAMPLING TEMP.... 28.3 C
OTHER SAMPLE INFORMATION: TD 914.4M NO WATER, OIL OR GAS FLOWS IN THIS WELL.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045028
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. BERNICE LAKE POWER PLANT WELL DISCHARGE LINE
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-41-32N LONGITUDE..... 151-23-10W

TOWNSHIP RANGE SECTION 1/4 1/4
07N 12W 16 SE SE
MAP REFERENCE: KENAI C-4

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1964/05/11
DEPTH..... 53.0 M
WATER SAMPLING TEMP.... 20.5 C
WATER FLOW RATE..... 50. GPM
OTHER SAMPLE INFORMATION: SAMPLES MAY BE AFFECTED BY LOCAL HEAT OR HAVE STEAM ADDED; WAS A COLD WATER WELL BEFORE ALASKA EARTHQUAKE MARCH 1964. FLOW ESTIMATED

WATER ANALYSIS

PH 1)..... 8.4
SPECIFIC CONDUCTANCE..... 605. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	50	0.8				
MG	CA	SR	BA	CA+MG		
12	48					
F	CL	BR	I			
	99					
NH4	N03	P04	SI02	S04	C03	HC03
	1.8			41	12	127

REFERENCES: USGS WELL RECORD DIV. ANCHORAGE; R.A. JOHNSON, HOMER ELECTRIC AREA SUPERVISOR, ORAL COM.

RECORD IDENTIFICATION

RECORD NO.... 0045055
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. BP WAS ILLA ST. NO. 1 OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 61-31-12N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 149-27-08W

COOK INLET

TOWNSHIP RANGE SECTION 1/4 1/4
17N 01W 33 SE NE

MAP REFERENCE: ANCHORAGE C-7

SAMPLE INFORMATION

COLLECTION DATE..... 1963/02/22
DEPTH..... 1468.5 M
GRADIENT..... 39.5 C/KM
WATER SAMPLING TEMP.... 36.7 C
OTHER SAMPLE INFORMATION: TD 1478.0M

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045068
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. BP WHITE RIVER NO. 3
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-03-57N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 142-12-44W

TOWNSHIP RANGE SECTION 1/4 1/4
21S 19E 29 NW NE

CAUGACH

MAP REFERENCE: BERING GLACIER A-4

SAMPLE INFORMATION

COLLECTION DATE..... 1963/06/30
DEPTH..... 2077.2 M
GRADIENT..... 31.8 C/KM
WATER SAMPLING TEMP.... 66.7 C
OTHER SAMPLE INFORMATION: TD 2128.7M REACHED JUNE 4, 1963.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045029
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. COLLIER CARBON PLANT WELL (INDUSTRIAL WASTE WELL)
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-40-23N LONGITUDE..... 151-22-38W

COOK INLET

TOWNSHIP RANGE SECTION 1/4 1/4
07N 12W 27 NW NW

MAP REFERENCE: KENAI C-4

SAMPLE INFORMATION

COLLECTION DATE..... 1975/06/18
DEPTH..... 21.0 M
WATER SAMPLING TEMP.... 25. C
OTHER SAMPLE INFORMATION: MAY BE INFLUENCED BY LOCAL HEAT. COLLIER TEST WELL NO. 1 ON 5/21/76 HAD 4 C TEMP.
SB00701221DDBC1008

WATER ANALYSIS

PH 1)..... 9.6
SPECIFIC CONDUCTANCE..... 52000. UMHO/CM
TOTAL DISSOLVED SOLIDS... 720. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K
	62	22			
MG	CA	SR	BA	CA+MG	
0.0	3.9				
MN+3	MN(TOT)	FE+3	FE(TOT)	CU	
			0.090		
F	CL	BR	I		
1.1	150				
NH4	N03	P04	SI02	S04	C03 HC03
	49000			450	32600 13900

REFERENCES: USGS WELL RECORD DIV, ANCHORAGE; USGS CENT, LAB PRINTOUT USED

RECORD IDENTIFICATION

RECORD NO.... 0045067
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. COLORADO OIL AND GAS COREHOLE NO. 1
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 59-33-57N LONGITUDE..... 139-31-26W

TOWNSHIP RANGE SECTION 1/4 1/4
27S 35E 20 NW NE
MAP REFERENCE: YAKUTAT C-5

SEALASKA

SAMPLE INFORMATION

COLLECTION DATE..... 1961/06/02
DEPTH..... 980.5 M
GRADIENT..... 32.1 C/KM
WATER SAMPLING TEMP.... 33.3 C
OTHER SAMPLE INFORMATION: TD 984.5M; USED AS A WATER WELL.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045032
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. CRAIG HOT SPRINGS
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 55-21-00N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 133-38-10W

TOWNSHIP RANGE SECTION 1/4 1/4
75S 77E 24
MAP REFERENCE: CRAIG 1:250,000

SEALASKA

SAMPLE INFORMATION

COLLECTION DATE..... 1924/08/18
WATER SAMPLING TEMP.... 43.5 C
OTHER SAMPLE INFORMATION: LOCATION INACCURATE BUT PEOPLE OF CRAIG PLANNED TO USE THE SPRINGS FOR A BATH

WATER ANALYSIS

W

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	30					
MG	CA	SR	BA	CA+MG		
1.5	3.9					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			0.02			
F	CL	BR	I			
	8.4					
NH4	N03	P04	SI02	S04	C03	HC03
	0.0		57	20	16	24

REFERENCES: UNPUBLISHED; USGS WATER RESOURCES; ANALYTICAL STATEMENT BY WARING BUT WARING DID NOT INCLUDE IT IN WSP
418

RECORD IDENTIFICATION

RECORD NO.... 0045046
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. FARMS RED SHIRT LAKE NO. 1 OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 61-38-32N LONGITUDE..... 150-05-43W

COOK INLET

TOWNSHIP RANGE SECTION 1/4 1/4
18N 05W 24 NE NW
MAP REFERENCE: TYONEK C-1

SAMPLE INFORMATION

COLLECTION DATE..... 1968/12/13
DEPTH..... 632.2 M
GRADIENT..... 123.1 C/KM
WATER SAMPLING TEMP.... 76.7 C

OTHER SAMPLE INFORMATION: DRILLED TO JURASSIC GRANITE. HISTORY RECHECKED; NO RECORD OF ANY FLUIDS ENCOUNTERED

WATER ANALYSIS

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045016
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. GAS ROCKS HOT SPRING NEAR KANATAK, NO. AKRG 4013S
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 57-51-55N LONGITUDE..... 156-29-55W

TOWNSHIP RANGE SECTION 1/4 1/4
27S 44W 09 SW NW
MAP REFERENCE: UGASHIK D-2

KONIAG

SAMPLE INFORMATION

COLLECTION DATE..... 1977/08/25
WATER SAMPLING TEMP.... 53. C
WATER FLOW RATE..... 15. GPM
OTHER SAMPLE INFORMATION: RECORDED BY GEORGE MCCOY, USGS, SHOULD BE PUBLISHED IN 1977, ANNUAL REPORT. ONE OF SEVERAL SPRINGS ON THE GAS ROCKS PENINSULA. FLOW ESTIMATED

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... W 65850. UMHO/CM
REFERENCES: UNPUBLISHED; WILL BE INCLUDED IN OPEN FILE REPORT BY IVAN BARNES; INFO FROM USGS WATER RESOURCES SPRING SCHEDULE, ANCHORAGE

RECORD IDENTIFICATION

RECORD NO..... 0045073
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. GREAT BASINS UGASHIK NO. 1
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 57-25-34N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 157-44-16W

TOWNSHIP RANGE SECTION 1/4 1/4
32S 52W 08 SE SW
MAP REFERENCE: UGASHIK B-6

BRISTOL BAY

SAMPLE INFORMATION

COLLECTION DATE..... 1966/08/22
DEPTH..... 2888.3 M
GRADIENT..... 31.4 C/KM
WATER SAMPLING TEMP.... 92.2 C

WATER ANALYSIS

W

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045075
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. GULF PORT HEIDEN UNIT NO. 1
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 56-58-01N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 158-41-07W

BRISTOL BAY

TOWNSHIP RANGE SECTION 1/4 1/4
37S 59W 20 NE SE
MAP REFERENCE: CHIGNIK D-3

SAMPLE INFORMATION

COLLECTION DATE..... 1972/09/10
DEPTH..... 4578.1 M
GRADIENT..... 30.7 C/KM
WATER SAMPLING TEMP.... 138.9 C
OTHER SAMPLE INFORMATION: BOTTOM 272FT. N. AND 1034 FT W. OF SURFACE; BOTTOM OFFSHORE.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD 00039

RECORD IDENTIFICATION

RECORD NO.... 0045074
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
 NAME OF SAMPLE SOURCE.. GULF SANDY RIVER FEDERAL NO. 1
 COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
 STATE/PROVINCE..... ALASKA
 LATITUDE..... 56-12-52N LONGITUDE..... 160-10-20W

TOWNSHIP	RANGE	SECTION	1/4	1/4
46S	70W	10	NE	SW

MAP REFERENCE: CHIGNIK A-7

ALEUT

SAMPLE INFORMATION

COLLECTION DATE..... 1963/11/28
 DEPTH..... 3989.2 M
 GRADIENT..... 30.7 C/KM
 WATER SAMPLING TEMP.... 131.1 C
 OTHER SAMPLE INFORMATION: GAS AND SALT WATER BETWEEN 10495FT AND 10860FT. 11/29/63: PERFORATED 7IN CSG.
 10735'-10745'. 12/1/63: 1000' WATER CUSHION, VERY WEAK BLOW, DEAD IN 30 MIN. RECOVERED 110 STANDS WATER CUSH.,
 12 STANDS GAS AND SALT WATER CUT DRILLING FLUID. PERFORATED 10495-10510'. 12/2/63: 460' WATER CUSH. OPEN 1HR,
 7MIN., WITH VERY WEAK BLOW. CLOSED 45 MIN., OPENED AGAIN FOR 1 HR. WITH NO BLOW, VERY LITTLE GAS OR WATER.
 10/21/63: DST#1 10854-10860'. RECOVERED 2100' SLIGHTLY GASEOUS SALT WATER. MEASURED BLOW DROPPED FROM 1 CU.FT/MIN
 TO 0.6CFM WHILE DP FILLED UP.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045052
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HALBOUTY FRITZ CREEK OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 59-41-22N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 151-19-52W

TOWNSHIP RANGE SECTION 1/4 1/4
06S 12W 04 NE SW

COOK INLET

MAP REFERENCE: SELDOVIA C-4

SAMPLE INFORMATION

COLLECTION DATE..... 1963/03/02
DEPTH..... 1156.7 M
GRADIENT..... 41.8 C/KM
WATER SAMPLING TEMP.... 50.0 C
OTHER SAMPLE INFORMATION: BRACKISH WATER(?) ABOVE 3580FT.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045071
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HALBOUTY KING OIL; SHUT-IN GAS WELL; NO PIPELINE OR MKT
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-43-34N LONGITUDE..... 150-54-47W

Cook Inlet

TOWNSHIP RANGE SECTION 1/4 1/4
07N 09W 06 SE NE

MAP REFERENCE: KENAO BHT TD 3668M; 103.3C AT 3303.4M; STRONG SALT WATER FLOWS 3624.1 TO TD; GAS AT 2588-2592 AND 1522-1530; GAS CUT FRESH WATER AT 1645M. TEMP. FROM DEEPEST POINT.

SAMPLE INFORMATION

COLLECTION DATE..... 1959/05/04
DEPTH..... 3456.1 M
GRADIENT..... 31.6 C/KM
WATER SAMPLING TEMP..... 62.2 C

WATER ANALYSIS

W

RECORD IDENTIFICATION

RECORD NO.... 0045000
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. HORNER HOT SPRINGS 6 MI. W. OF KOKRINES, AK.
 COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
 STATE/PROVINCE..... ALASKA
 LATITUDE..... 64-55-16N LONGITUDE..... 154-50-10W

Doyon

TOWNSHIP RANGE SECTION 1/4 1/4
 06S 20E 33 SW NW
 MAP REFERENCE: RUBY D-4

SAMPLE INFORMATION

COLLECTION DATE..... 1915/08/10
 WATER SAMPLING TEMP.... 47. C
 WATER FLOW RATE..... 25. GPM
 OTHER SAMPLE INFORMATION: H2S PRESENT BUT NOT MEASURED. MILLER LISTS LONG. AS 154-47. FLOW ESTIMATED.

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 271. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	58					
MG	CA	SR	BA	CA+MG		
3	10					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			2.7			
F	CL	BR	I			
39	39					
NH4	NO3	PO4	SI02	S04	C03	HC03
			29	45	32	22

REFERENCES: WARING, 1917, MINERAL SPRINGS OF ALASKA, USGS WSP 418; MILLER, AND OTHERS, GEOL. SETTING & CHEM. CHAR. OF HOT SPRINGGS IN WEST-CENTRAL ALASKA, 1975, JOUR. RES. USGS VOL. 3

RECORD IDENTIFICATION

RECORD NO..... 0045031
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. HOT SPRING ON NORTH ARM OF PERIL STRAIT
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 57-46-17N LONGITUDE..... 135-49-10W

TOWNSHIP RANGE SECTION 1/4 1/4
47S 59E 26
MAP REFERENCE: SITKA

SEALASKA

SAMPLE INFORMATION

COLLECTION DATE..... 1915/06/29
WATER SAMPLING TEMP.... 38.3 C

WATER ANALYSIS

PH 1)..... W 790

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K	
	206	3.8				
MG	CA	SR	BA	CA+MG		
11	37					
MN+3	MN(TOT)	FE+3	FE(TOT)	CU		
			1.4			
F	CL	BR	I			
	133					
NH4	N03	P04	SI02	S04	C03	HC03
	1.0		40	329	0.0	35

REFERENCES: WARING, 1917, WATER SUPPLY PAPER 418; MILLER OPEN FILE MAP NO. 570, USGS WATER RESOURCES DIV.
ANALYTICAL STATEMENT BY WARING

RECORD IDENTIFICATION

RECORD NO.... 0045049
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALSKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. HUMBLE SHELL BEAR CREEK NO. 1 OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 57-37-42N LONGITUDE..... 155-51-35W

TOWNSHIP RANGE SECTION 1/4 1/4
29S 41W 36 SE SE

MAP REFERENCE: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

Bristol Bay

SAMPLE INFORMATION

COLLECTION DATE..... 1959/02/26
GRADIENT..... 46.9 C/KM
WATER SAMPLING TEMP.... 210. C

OTHER SAMPLE INFORMATION: DRILLED THROUGH SHALLOW WATER SHALES, SILTSTONES, AND WATER-LAID VOLCANICS OF UPPER TRIASSIC THROUGH UPPER JURASSIC AGE . TOTAL DEPTH=4383.3 M. IRREGULAR TEMP CHANGES WITH DEPTH: 3/2/58: 176 F AT 8673 FT; 4/19/58: 186 F AT 9887 FT; 6/02/58: 210 F AT 10820 FT; 8/12/58: 194 F AT 10926 FT; 9/18/58: 227 F AT 10050 FT; 12/16/58: 245 F AT 12626 FT; 1/24/59: 265 F AT 13641 FT; 2/26/59: 410 F AT 14382 FT

WATER ANALYSIS

W

RECORD IDENTIFICATION

RECORD NO.... 0045900
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. KENAI HIGH SCHOOL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-33-43N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 151-12-40W

TOWNSHIP RANGE SECTION 1/4 1/4
06N 11W 33 SE SE

MAP REFERENCE: KENAI C-4

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1966/09/02
DEPTH..... 61.3 M
WATER SAMPLING TEMP.... 24.0 C
OTHER SAMPLE INFORMATION: SAMPLE TAKEN IN TEACHER'S LOUNGE. SEE REC. 45027

WATER ANALYSIS

PH 1)..... 8.1
SPECIFIC CONDUCTANCE..... 488. UMHO/CM

RECORD IDENTIFICATION

RECORD NO.... 0045027
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. KENAI HIGH SCHOOL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-33-43N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 151-12-40W

TOWNSHIP RANGE SECTION 1/4 1/4
06N 11W 33 SE SE
MAP REFERENCE: KENAI C-4

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1967/09/26
DEPTH..... 61.3 M
WATER SAMPLING TEMP.... 20. C

WATER ANALYSIS

PH 1)..... 8.0
SPECIFIC CONDUCTANCE..... 475. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	108	4.7				
MG	CA	SR	BA	CA+MG		
0.7	0.5					
F	CL	BR	I			
1.2	5.6					
NH4	NO3	PO4	SI02	S04	C03	HC03
	2.2		32	2.0	0	308

REFERENCES: USGS WELL RECORD DIV. ANCHORAGE

RECORD IDENTIFICATION

RECORD NO.... 0045024
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. KLAWSI GROUP OF SPRINGS WITH MUD CONES-WEST SPRING
 COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
 STATE/PROVINCE..... ALASKA
 LATITUDE..... 62-03-29N LONGITUDE..... 145-13-21W

AHTNA

TOWNSHIP RANGE SECTION 1/4 1/4
 03N 01E 09 NE SE
 MAP REFERENCE: GULKANA A-3

SAMPLE INFORMATION

COLLECTION DATE..... 1960/07/13
 WATER SAMPLING TEMP.... 21. C
 OTHER SAMPLE INFORMATION: GRANTZ, WHITE, OND OTHERS NOV. 1962; SALINE SPRINGS, COPPER RIVER LOWLAND, AAPG., VOL. 46, NO. 11. TEMPERATURE ESTIMATED

WATER ANALYSIS

PH 1)..... 7.7
 TOTAL DISSOLVED SOLIDS... 27500. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K			
6.9	10000	271						
MG	CA	SR	BA	CA+MG				
136	31							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		169						
F	CL	BR	I					
	12100							
NH4	NO3	P04	SI02	S04	C03	HC03		
	17	18	123	664	0	7230		

RECORD IDENTIFICATION

RECORD NO.... 0045023
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. MULTIPLE VENTS IN LOWER KLAWASI CONE (MUD VOLCANO)
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 62-03-29N LONGITUDE..... 145-13-21W

TOWNSHIP RANGE SECTION 1/4 1/4
03N 01E 09 NE SE

AHTNA

SAMPLE INFORMATION

COLLECTION DATE..... 1954/00/00
MEAN ANNUAL TEMP..... 5.6 C
WATER SAMPLING TEMP.... 27.7 C
WATER FLOW RATE..... 8. GPM
OTHER SAMPLE INFORMATION: OTHER HOT SPRINGS IN THIS AREA; WATER QUALITY BAD

WATER ANALYSIS

W

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K
	9390M				
F	CL	BR	I		
	12200M				
NH4	N03	P04	SI02	S04	C03
				666	HC03
					290M

REFERENCES: ERDA GEOTHERMAL ENERGY PROGRAM, AHTNA NATIVE REGIONAL CORP., DRUM THERMAL SPRINGS AREA, OCT. 1975, AK.
GEOL. CONSULTANTS; NICHOLS, D.R., YEHLE, L.A., 1961, MUD VOLCANOES IN THE COPPER R. BASIN, AK., INT. SYM. ON
ARCTIC GEOL. 1ST CALGARY CONF.

RECORD IDENTIFICATION

RECORD NO.... 0045037
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. OKPILAK HOT SPRING
 COUNTRY CODE..... US
 STATE/PROVINCE..... ALASKA
 LATITUDE..... 69-19-50N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 144-02-40W

ARCTIC SLOPE

TOWNSHIP RANGE SECTION 1/4 1/4
 01S 33E 25 NW SE
 MAP REFERENCE: MT. MICHELSON B-1

SAMPLE INFORMATION

COLLECTION DATE..... 1976/08/27
 WATER SAMPLING TEMP.... 48.5 C
 OTHER SAMPLE INFORMATION: NO FIELD NOTES FOUND; INFO FROM ABOVE REF; C.E. SLOAN CONFIRMED THHE TEMPERATURE;
 UNPUBLISHED EXCEPT IN ABOVE REF

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 650. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	120	4.5				
MG	CA	SR	BA	CA+MG		
0.1	9.8					
F	CL	BR	I			
14	31					
NH4	NO3	P04	SI02	S04	C03	HC03
				200		

REFERENCES: USGS, 1977, WATER RESOURCES DATA FOR ALASKA, 1976

RECORD IDENTIFICATION

RECORD NO.... 0045069
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PAN AM BACHATNA CREEK
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-46-25N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 152-05-00W

TOWNSHIP RANGE SECTION 1/4 1/4
08N 15W 21 SW SW
MAP REFERENCE: KENAI D-5

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1969/02/04
DEPTH..... 1871.8 M
GRADIENT..... 31.7 C/KM
WATER SAMPLING TEMP.... 60.0 C
OTHER SAMPLE INFORMATION: TD 1926.3M

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045066
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PAN AM DAVID RIVER NO. 1 AND 1A
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 55-51-48N LONGITUDE..... 161-34-10W

ALEUT

TOWNSHIP RANGE SECTION 1/4 1/4
50S 80W 12 SW NE

MAP REFERENCE: PORT MOLLER

SAMPLE INFORMATION

COLLECTION DATE..... 1969/08/01
DEPTH..... 4196.8 M
GRADIENT..... 32.4 C/KM
WATER SAMPLING TEMP.... 151.1 C

OTHER SAMPLE INFORMATION: TD4196.8M; FLOWING WATER AND GAS IN LOWER PART OF WELL; BHT AT 3525.9M WAS 139.4C AND FLUID WAS 2900PPM CHLORIDES. 1969/08/06: DST ON PERF. ZONE 11555-68' WITH 3700FT WATER CUSHION. TOOL OPEN 10.25 P.M., WATER CUSHION SURFACE AT 1:22A.M. 1969/08/07 WITH 75PSI TP. GAS TO SURFACE AT 2:27A.M. WITH 81PSI TP. MUD TO SURFACE AT 2:47A.M. WITH 100PSI TP. MUD WAS 2200PPM CHLORIDES. AT 3:45 A.M. FLUID CLEANED UP AND WAS 2900PPM CHLORIDES. STABILIZED FLOW RATE AT 6A.M. OF 395-410 BWPD, SEPARATOR PRESSURE 30-35PSI. GAS GAUGED AT 4.9 MCF/D.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045060
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PAN AM STEDATNA CREEK ST. OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 61-06- N LONGITUDE..... 151-28- W

TOWNSHIP RANGE SECTION 1/4 1/4
12N 12W 30 SW SE
MAP REFERENCE: TYONEK A-4

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1962/02/07
DEPTH..... 2181.5 M
GRADIENT..... 34.7 C/KM
WATER SAMPLING TEMP.... 47.2 C
OTHER SAMPLE INFORMATION: TD 2273.5M; QUARTZ DIORITE.

WATER ANALYSIS

PH 1)..... 8
REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045065
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. PURE CANOE BAY NO. 1
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 55-31- N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 161-16- W

TOWNSHIP RANGE SECTION 1/4 1/4
54S 78W 08 NE SE
MAP REFERENCE: PORT MOLLER C-4

ALEUT

SAMPLE INFORMATION

COLLECTION DATE..... 1961/10/24
DEPTH..... 2024.5 M
GRADIENT..... 32.9 C/KM
WATER SAMPLING TEMP.... 71.1 C

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045022
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. RED HILL SPRING NEAR KAKTOVIK
 COUNTRY CODE..... US
 STATE/PROVINCE..... ALASKA
 LATITUDE..... 69-37-37N
 MAP REFERENCE: MT. MICHELSON C-4

COUNTRY NAME..... UNITED STATES
 LONGITUDE..... 146-01-38W

ARCTIC SLOPE

SAMPLE INFORMATION

COLLECTION DATE..... 1975/08/12
 WATER SAMPLING TEMP.... 29.3 C
 OTHER SAMPLE INFORMATION: STRONG ODOR OF H2S

WATER ANALYSIS

PH 1)..... 8.2
 SPECIFIC CONDUCTANCE..... 967. UMHO/CM
 TOTAL DISSOLVED SOLIDS... 558. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	120.	5.8				
MG	CA	SR	BA	CA+MG		
21	55					
F	CL	BR	I			
1.0	130					
NH4	NO3	PO4	SI02	S04	C03	HC03
		0.03	27	50	0	322

REFERENCES: USGS OPEN FILE REPORT 77-492, 1977, CHILDERS, SLOAN, AND OTHERS, HYDROLOGIC RECONNAISSANCE OF THE EASTERN NORTH SLOPE, ALASKA, 1975

RECORD IDENTIFICATION

RECORD NO.... 0045021
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. RED HILL SPRING NEAR KAKTOVIK
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 69-37-37N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 146-01-38W

TOWNSHIP RANGE SECTION 1/4 1/4
03N 25E 08
MAP REFERENCE: MT. MICHELSON C-4

ARCTIC SLOPE

SAMPLE INFORMATION

COLLECTION DATE..... 1975/04/28
WATER SAMPLING TEMP.... 32.8 C
OTHER SAMPLE INFORMATION: REPORTED BY C.E. SLOAN . STRONG ODOR OF H2S. DISCHARGE 0.85 CUFT/SEC

WATER ANALYSIS

PH 1)..... W 7.0

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K	
	130	5.9				
F	CL	BR	I			
1.1	150					
NH4	N03	P04	SI02	S04	C03	HC03
		0.09	29	90		93

REFERENCES: USGS OPEN FILE REPORT 77-492, 1977, CHILDERS, SLOAN, AND OTHERS, HYDROLOGIC RECONNAISSANCE OF THE EASTERN NORTH SLOPE, ALASKA, 1975

RECORD IDENTIFICATION

RECORD NO.... 0045059
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. RICHFIELD WIDE BAY NO. 1 OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 57-21-48N LONGITUDE..... 156-23-54W

TOWNSHIP RANGE SECTION 1/4 1/4
33S 44W 05 NW NW
MAP REFERENCE: UGASHIK B-2

KONIAG

SAMPLE INFORMATION

COLLECTION DATE..... 1963/10/13
DEPTH..... 3830.1 M
GRADIENT..... 35.2 C/KM
WATER SAMPLING TEMP.... 139.4 C
OTHER SAMPLE INFORMATION: TD 3830.1M; METAMORPHICS, PROBABLY TUFF OR VOLCANICS; OFFSHORE.

WATER ANALYSIS

REFERENCES: DRILLERS LOG AND HISTORY; ALASKA DIV. OIL AND GAS.

RECORD IDENTIFICATION

RECORD NO..... 0045054
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. SHELL JOHNSON SLOUGH OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-44- N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 152-00- W

TOWNSHIP RANGE SECTION 1/4 1/4
08N 16W 36 SE S2
MAP REFERENCE: KENAI C-6

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1969/02/15
DEPTH..... 1917.8 M
GRADIENT..... 39.7 C/KM
WATER SAMPLING TEMP.... 75.0 C
OTHER SAMPLE INFORMATION: TD 1919.0M

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045064
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. SHELL KUSTATAN RIVER
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-48-31N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 151-54-52W

COOK INLET

TOWNSHIP RANGE SECTION 1/4 1/4
08N 15W 04 SE SW
MAP REFERENCE: KENAI D-6

SAMPLE INFORMATION

COLLECTION DATE..... 1969/01/11
DEPTH..... 1207.0 M
GRADIENT..... 33.1 C/KM
WATER SAMPLING TEMP.... 38.9 C

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045053
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. SHELL MIDDLE RIVER ST. OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-59- N LONGITUDE..... 151-37- W

TOWNSHIP RANGE SECTION 1/4 1/4
10N 13W 05 SW NE
MAP REFERENCE: KENAI D-5

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1967/03/05
DEPTH..... 1611.2 M
GRADIENT..... 41.4 C/KM
WATER SAMPLING TEMP.... 64.4 C
OTHER SAMPLE INFORMATION: BOTTOM AT 416.5 FT.S., 487.1 FT. W. OF SURFACE.

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045035
CROSS INDEX NO..
RECORD TYPE..... 8

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. SURPRISE LAKE HOT SPRING AT ANIAKCHAK CRATER
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 56-55-42N LONGITUDE..... 158-07-10W

TOWNSHIP RANGE SECTION 1/4 1/4
38S 56W 01 NW NE
MAP REFERENCE: CHIGNIK D-1

Bristol Bay

SAMPLE INFORMATION

COLLECTION DATE..... 1976/07/25
WATER SAMPLING TEMP.... 23. C
OTHER SAMPLE INFORMATION: WITHIN ANIAKCHAK CRATER NEAR PORT HEIDEN

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 850. UMH//CM
TOTAL DISSOLVED SOLIDS... 548. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K				
	99	9.8							
MG	CA	SR	BA	CA+MG					
31	45								
ZN	HG	B	HB02	AL	PB	AS	SB	U	
		3800							
F	CL	BR	I						
0.7	86								
NH4	N03	P04	SI02	S04	C03	HC03			
		0.15	87	23		388			

REFERENCES: USGS WATER-DATA REPORT AK-76-1

RECORD IDENTIFICATION

RECORD NO.... 0045030
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. SWANSON RIVER #4
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-46-40N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 150-51-45W

TOWNSHIP RANGE SECTION 1/4 1/4
08N 09W 16 SE SW
MAP REFERENCE: KENAI D-3

COOK TAILLET

SAMPLE INFORMATION

COLLECTION DATE..... 1959/03/03
DEPTH..... 3834.4 M
WATER SAMPLING TEMP.... 102.8 C
OTHER SAMPLE INFORMATION: OIL-GAS WELL, S-0 WESTERN

WATER ANALYSIS

PH 1)..... 6.5
SPECIFIC CONDUCTANCE.... 49400. UMHO/CM
TOTAL DISSOLVED SOLIDS... 36100. PPM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K				
20	4716.	138							
MG	CA	SR	BA	CA+MG					
59	7820								
ZN	HG	B	HB02	AL	PB	AS	SB	U	
0.0									
F	CL	BR	I						
2.4	21400								
NH4	NO3	P04	SI02	S04	C03	HC03			
		0.0	55	79		330			

REFERENCES: USGS WELL RECORD DIV. ANCHORAGE

RECORD IDENTIFICATION

RECORD NO.... 0045058
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION BACHATNA CREEK U-1
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-46-25N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 152-05-00W

TOWNSHIP RANGE SECTION 1/4 1/4
08N 16W 21 NE NE
MAP REFERENCE: KENAI D-6

Cook Inlet

SAMPLE INFORMATION

COLLECTION DATE..... 1972/01/02
DEPTH..... 938.8 M
GRADIENT..... 38.4 C/KM
WATER SAMPLING TEMP.... 35.0 C
OTHER SAMPLE INFORMATION: TD 939.7M; BASEMENT ROCK.

WATER ANALYSIS

PH 1)..... 10.0
REFERENCES: DRILLERS LOG- SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO.... 0045056
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION BACHATNA CREEK U-7 OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-42-51N LONGITUDE..... 152-05-56W

COOK INLET

TOWNSHIP RANGE SECTION 1/4 1/4
07N 16W 09 NW SE
MAP REFERENCE: KENAI C-6

SAMPLE INFORMATION

COLLECTION DATE..... 1972/02/10
DEPTH..... 809.2 M
GRADIENT..... 39.1 C/KM
WATER SAMPLING TEMP.... 30.6 C
OTHER SAMPLE INFORMATION: JURASSIC AT 791.0M RECOVERED SALT WATER, MAX. PRESSURE 60PSI, DEAD AFTER 2 HR FLOW.

WATER ANALYSIS W

SOLUTE ANALYSIS (WATER)

F CL BR I
2100.0

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045057
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION BIG RIVER OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-45-12N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 152-01-26W

TOWNSHIP RANGE SECTION 1/4 1/4
08N 16W 26 SE NE
MAP REFERENCE: KENAI D-6

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1976/01/09
DEPTH..... 826.0 M
GRADIENT..... 39.0 C/KM
WATER SAMPLING TEMP.... 31.7 C
OTHER SAMPLE INFORMATION: TD 826.6M; GRANODIORITE. NO BHT RECORDED; 31.7 DEG. C. MAX. TEMP. RECORDED.

WATER ANALYSIS

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS.

RECORD IDENTIFICATION

RECORD NO..... 0045061
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION FISH CREEK U. 12-8 OIL WELL
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 61-29-29N LONGITUDE..... 149-51-56W

TOWNSHIP RANGE SECTION 1/4 1/4
16N 03W 08 NW SW
MAP REFERENCE: ANCHORAGE B-8

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1961/09/30
DEPTH..... 1954.4 M
GRADIENT..... 34.4 C/KM
WATER SAMPLING TEMP.... 66.1 C
OTHER SAMPLE INFORMATION: TD 1956.2M; TUFFACEOUS IGNEOUS OR METAMORPHIC ROCK.

WATER ANALYSIS

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045076
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION KASILOF NO. 1
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-19- N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 151-23- W

TOWNSHIP RANGE SECTION 1/4 1/4
03N 12W 28 SW SW
MAP REFERENCE: KENAI B-4

Cook Inlet

SAMPLE INFORMATION

COLLECTION DATE..... 1964/06/20
DEPTH..... 4907.6 M
GRADIENT..... 30.7 C/KM
WATER SAMPLING TEMP.... 94.4 C
OTHER SAMPLE INFORMATION: BOTTOM IN SW1/4 OF NW1/4 OF SEC. 29 OFFSHORE TD 4913.7M

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045047
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION KASILOF U-1 OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 60-19- N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 151-26- W

TOWNSHIP RANGE SECTION 1/4 1/4
03N 12W 30 NE SW
MAP REFERENCE: KENAI B-4

COOK I WLET

SAMPLE INFORMATION

COLLECTION DATE..... 1967/10/06
DEPTH..... 1676.4 M
GRADIENT..... 57.0 C/KM
WATER SAMPLING TEMP.... 50.6 C

OTHER SAMPLE INFORMATION: FORMATION WATER FILLED DRILL STRING, SALINITY 900 PPM, 3405-3435 FT OFFSHORE. TEST NO.1: INT=3405-3435 FT; TEMP=100 F, SALINITY =900 PPM,; TEST NO. 2: INT=3315-3345 FT, TEMP=97 F, SALINITY=800 PPM, TIME TO FILL DRILL PIPE=50 MIN; TEST ?: INT=3215-3230 FT, TEMP=95 F, SALINITY=930 PPM, TIME TO FILL DRILL PIPE=20 MIN. DRILL PIPE KEPT FILLING WITH SALT WATER, NO PRESSURES OF FLOW REATE GIVEN

WATER ANALYSIS

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045051
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION KNIK ARM NO. 2 OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 61-30-41N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 149-51-00W

TOWNSHIP RANGE SECTION 1/4 1/4
16N 03W 05 NE NW
MAP REFERENCE: ANCHORAGE C-8

Cook Inlet

SAMPLE INFORMATION

COLLECTION DATE..... 1960/10/23
DEPTH..... 981.2 M
GRADIENT..... 41.9 C/KM
WATER SAMPLING TEMP.... 40.0 C

WATER ANALYSIS

REFERENCES: DRILLERS LOG - SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045050
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... WELL
NAME OF SAMPLE SOURCE.. UNION KNIK ARM NO. 1 OIL WELL
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 61-30-45N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 149-56-04W

TOWNSHIP RANGE SECTION 1/4 1/4
16N 04W 02 NE NW
MAP REFERENCE: ANCHORAGE C-8

COOK INLET

SAMPLE INFORMATION

COLLECTION DATE..... 1960/10/06
DEPTH..... 917.4 M
GRADIENT..... 45.4 C/KM
WATER SAMPLING TEMP.... 40.6 C

WATER ANALYSIS W

SOLUTE ANALYSIS (WATER)

NH4 NO3 PO4 SI02 SO4 CO3 HC03
0.20

REFERENCES: DRILLERS LOG-SCHLUMBERGER; ALASKA DIV. OIL AND GAS

RECORD IDENTIFICATION

RECORD NO..... 0045036
 CROSS INDEX NO..
 RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
 DATE..... 78/04
 ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
 NAME OF SAMPLE SOURCE.. UNNAMED SPRING NEAR FT. GLENN ON UMNAK IS; INANUDAK BAY
 COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
 STATE/PROVINCE..... ALASKA
 LATITUDE..... 53-15-00N LONGITUDE..... 168-21-45W

TOWNSHIP RANGE SECTION 1/4 1/4
 80S 133W
 MAP REFERENCE: UMNAK 1:250,000

ALEUT

SAMPLE INFORMATION

COLLECTION DATE..... 1976/07/15
 WATER SAMPLING TEMP.... 92.5 C
 WATER FLOW RATE..... 15. GPM
 OTHER SAMPLE INFORMATION: DIFFERENT CHEM. ANALYSES THAN THE HOT SPRINGS COVE SPRIGS ALREADY RECORDED. FLOW IS AN ESTIMATE. ACCORDING TO C.E. SLOAN (USGS WATER RESOURCES DIV., HYDROLOGIST) THERE ARE MANY DEEP POOLS OF SUPERHEATED WATER WHICH HAVE LOW FLOW RATES IN THIS VICINITY. ALSO SEE MINUTES OF THE LAND CLASSIFICATION BOARD, DEFINITION OF THE OKMOK CALDERA AND THE GEYSER SPRING BASIN, UMNAK ISLAND, AK.

WATER ANALYSIS

PH 1)..... 7.1
 SPECIFIC CONDUCTANCE..... 4085. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... MG/L

LI	NA	K	RB	CS	NA+K			
2.600	650	36						
MG	CA	SR	BA	CA+MG				
1.5	180							
ZN	HG	B	HB02	AL	PB	AS	SB	U
0.030		28			0.0	3.6		
F	CL	BR	I					
	1300							
O2	N2	CO2	S02	H2S	H2	CH4		
				0.2				
NH4	N03	P04	SI02	S04	CO3	HC03		
			110	88				

REFERENCES: USGS WATER-DATA REPORT AK-76-1; BYERS AND BRANNOCK, 1949, VOLCANIC ACTIVITY ON UMNAK AND GREAT SITKIN IS., TRANS AM GEOPHYS UNION V. 30

RECORD IDENTIFICATION

RECORD NO..... 0045025
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. UPPER KLAWASI (MUD VOLCANO) LARGE POND 96 FT. DIAM.
COUNTRY CODE..... US COUNTRY NAME..... UNITED STATES
STATE/PROVINCE..... ALASKA
LATITUDE..... 62-04-49N LONGITUDE..... 145-00-21W

TOWNSHIP RANGE SECTION 1/4 1/4
04N 02E 34 SE SE
MAP REFERENCE: GULKANA A-3

AHTNA

SAMPLE INFORMATION

COLLECTION DATE..... 1962/01/31
WATER SAMPLING TEMP.... 30.3 C
WATER FLOW RATE..... 5.L GPM
OTHER SAMPLE INFORMATION: SHARP INCREASE IN DISCHARGE OF BOTH GAS AND WATER 1941-1954

WATER ANALYSIS

REFERENCES: USGS WATER RESOURCES SPRING SCHEDULE, ANCHORAGE; NICHOLS AND YEHLE, 1961, MUD VOLCANOES IN THE COPPER R. BASIN, AK., GEOL. OF THE ARTIC

RECORD IDENTIFICATION

RECORD NO.... 0045026
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. UPPER KLAWSI (MUD VOLCANO
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 62-04-49N

COUNTRY NAME..... UNITED STATES
LONGITUDE..... 145-00-21W

TOWNSHIP RANGE SECTION 1/4 1/4
04N 02E 34 SE SE
MAP REFERENCE: GULKANA A-3

AHTNA

SAMPLE INFORMATION

COLLECTION DATE..... 1973/07/09
WATER SAMPLING TEMP.... 18. C
OTHER SAMPLE INFORMATION: INCLUDED TO SHOW DROP IN TEMP. GENERAL DISCUSSION IN MILLER & BARNES ,POTENTIAL FOR
GEOTHERMAL ENERGY DEVELOPMENT IN ALASKA-SUMMARY

WATER ANALYSIS

PH 1)..... 7.1
SPECIFIC CONDUCTANCE..... 32200. UMHO/CM

SOLUTE ANALYSIS (WATER)

UNITS USED..... PPM

LI	NA	K	RB	CS	NA+K			
7.9	10000	240						
MG	CA	SR	BA	CA+MG				
300	6.5							
ZN	HG	B	HB02	AL	PB	AS	SB	U
		140						
F	CL	BR	I					
0.4	11000							
NH4	NO3	P04	SI02	S04	C03	HC03		
			53	740	360	6970		

REFERENCES: USGS WATER RESOURCES, ANALYTICAL STATEMENT; ANCHORAGE

RECORD IDENTIFICATION

RECORD NO..... 0045015
CROSS INDEX NO..
RECORD TYPE..... B

REPORTER

NAME..... MACBETH, JOYCE
DATE..... 78/04
ORGANIZATION.. UNIVERSITY OF ALASKA

GEOGRAPHIC LOCALITY

SAMPLE TYPE..... SURFACE
NAME OF SAMPLE SOURCE.. W. UKINEK SPRING
COUNTRY CODE..... US
STATE/PROVINCE..... ALASKA
LATITUDE..... 57-49-53N

COUNTRY NAME..... UNITED STATES

LONGITUDE..... 156-30-47W

TOWNSHIP RANGE SECTION 1/4 1/4
27S 44W 20 SE SE
MAP REFERENCE: UGASHIK D-2

KONIA G

SAMPLE INFORMATION

COLLECTION DATE..... 1977/08/24
WATER SAMPLING TEMP.... 81. C

OTHER SAMPLE INFORMATION: RECORDED BY GEORGE MCCOY USGS, SHOULD BE PUBLISHED IN 1977 ANN. RPT. (POOL FROM SPRING IN BOTTOM OF MAAR) & IN OPEN FILE REPORT BY I. BARNES

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 17740. UMHO/CM

REFERENCES: UNPUBLISHED; INFO FROM USGS WATER RESOURCES SPRING SCHEDULE, ANCHORAGE