



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL GEOPHYSICAL DATA CENTER
325 Broadway
Boulder, Colorado 80303

September 25, 1987

E/GC1:DTD

Mr. Howard Ross
University of Utah Research Institute
391 Chipeta Way
Suite C
Salt Lake City, UT 84108-1295

Dear Mr. Ross:

In response to our recent telephone conversation I would like to confirm some items and ask a few other questions.

I understand that the data to be deposited with NGDC are not classified or proprietary in any way and consist of magnetic tapes, all support documentation (i.e., observer logs, survey notes, uphole times, shot point maps, etc.) and that:

- o There are Approximately 120-200 data tapes
 - Original (SEG-B Format?) field tapes
 - Some processed tapes (out-out stacked?)
 - Others in various stages of processing
 - Tapes would be delivered in batches
- o Seismic Sections (1/2 scale, full, stacked?)

For your information,

When NGDC disseminates this type of data to the public:

We give the customer:

- copies of all support documentation
- copies of data tapes (preferably SEG-Y demultiplexed format)

With this information I would like to ask a couple of additional questions:

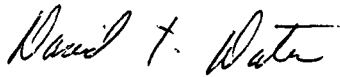
1. NGDC prefers to distribute SEG-Y format tapes. Are the data available in this format? If so is the demultiplexing documentation also available?



2. Are the seismic sections available in a reproducible format? (Sepia plastic, blackline, etc.?)

Finally, in our continuing search for Public domain Data NGDC would certainly appreciate contributions of any other types of public geophysical data that you may have such as the digital aeromagnetic survey of Utah. Such contributions would likely improve the climate for geoscience research in Utah because of the increased availability of these data. So, beyond the data exchange with NGDC, you may be helping the University to increase its potential for involvement in a more active research community.

Sincerely yours,



David T. Dater
Geophysicist

Again, many thanks for your contribution.

RECEIVED NGDC APR 27 '88

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

58 tapes total

DATA TRANSMITTAL ACKNOWLEDGEMENT

SHIPPED TO:

National Geophysical Data Center
Attn: Dr. David T. Dater
NOAA, Code E/GC1
325 Broadway
Boulder, CO 80303

SHIPPED VIA:

United States Mail

SHIPPING DATE:

April 21, 1988

Stillwater, Nevada Reflection Seismic Survey

- ✓ Box No. 1 Line No. 2. Original Field Tapes, SEG B Format,
Reels No. (870685), (870686), (870687),
(870688), (870689), (870690), (870691)
- ✓ Box No. 1 Line No. 3 Original Field Tapes, SEG B Format,
Reels No. (870692), (870693), (870694),
(870695), (870696), (870697),
(870698) IF THIS IS THE REAL PROBABLY JUST A TYPED
- ✓ Box No. 2 Line No. 4 Original Field Tapes, SEG B Format,
Reels No. (870698), (870699), (870700),
(870701), (870702), (870703)
- ✓ Box No. 2 Line No. 2 Field Correlated Tape, SEG C Format
Reel No. (J7905344)
- ✓ Box No. 2 Line No. 3 Field Correlated Tape, SEG C Format
Reel No. (J7905342)
- ✓ Box No. 2 Line No. 4 Field Correlated Tape, SEG C Format
Reel No. (J7905343)
- ✓ Box No. 2 Line No. 2,3,4 Final Stack Sections, SEG Y Format
Reel No. (J8006166)
- Box No. 1 Line No. 2,3,4 Observer's Reports, Surveyors
Notes, Location Map.

Please sign below to acknowledge receipt and return one copy to the attention of Dr. Howard P. Ross, UURI.

Received By: Doreen J. Ardour Date 5/26/88



EARTH SCIENCE LABORATORY
 391 CHIPETA WAY, SUITE C
 SALT LAKE CITY, UTAH 84108-1295
 TELEPHONE 801-524-3422

DATA TRANSMITTAL ACKNOWLEDGEMENT

SHIPPED TO:

National Geophysical Data Center
 Attn: Dr. David T. Dater
 NOAA, Code E/GC1
 325 Broadway
 Boulder, CO 80303

SHIPPED VIA:

United States Mail

SHIPPING DATE:

April 21, 1988

Dixie Valley, Nevada Reflection Seismic Survey

Box 1

Line	SP to SP	Date	Format	Type of data	REC#
1-South	102-138	"	"	"	SRC-S01A ✓
1-South	102-138	"	"	"	SRC-S01C ✓
1-South	140-176	"	"	"	SRC-S02A ✓
1-South	140-176	"	"	"	SRC-S02B ✓
1-South	178-214	"	"	"	SRC-S03B ✓
1-South	178-214	"	"	"	SRC-S03A ✓
1-South	182?-298	"	"	"	SRC-S05 ✓
1-South	216-254	"	"	"	SRC-S04B ✓
ok 1-South	216-254	10/7/81	SegB-G	Field	SRC-S04B ✓ ← <i>not rec'd</i>
1-South	216-254	"	"	"	SRC-S04A ✓
1-South	223-244	"	"	"	SRC-507 ✓

From member 216-254

✓ Box 2

Line	SP to SP	Date	Format	Type of data	REEL NO.
1-South	298-336	10/07/81	SEG B-G	Field	SRC-S06
1-South	382-404	"	"	"	SRC-S08
1-North	102-140	"	"	"	SRC-N01A
1-North	(Possible duplicate of 102-140)	"	"	"	SRC-N01
102-140 1-North	102-140	"	"	"	SRC-N02A
1-North	142-180	"	"	"	SRC-N02B
1-North	182-220	"	"	"	SRC-N03
1-North	220-260	"	"	"	SRC-N04
1-North	262-300	"	"	"	SRC-N05
1-North	302-332	"	"	"	SRC-N06A

Page 2
April 21, 1988
Dixie Valley

Box 3

✓ Line	SP to SP	Date	Format	Type of data	REEL NO.
1-North	302-332	10/07/81	SEG B-G	Field	SRC-N06B
1-North	334-362	"	"	"	SRC-N07
1-North	364-376	"	"	"	SRC-N08
2	102-140	"	"	"	001A
2	102-140	"	"	"	HPF-001B
2	142-176	"	"	"	HPF-002
2	178-200	"	"	"	HPF-003
3	101-140	"	"	"	HPF-001C
3	101-140	"	"	"	HPF-001B
3	101-140	"	"	"	HPF-001A

Box 4

✓ Line	SP to SP	Date	Format	Type of data	REEL NO.
3	142-180	10/7/81	SEG B-G	Field	HPF-002
3	220-256	"	"	"	HPF-004
3	182-218	"	"	"	HPF-003
3	258-278	"	"	"	HPF-005A
3	258-278	"	"	"	HPF-005B

Please sign below to acknowledge receipt and return one copy to the attention of Dr. Howard P. Ross, UURI.

Received By: Doreen J. Ardswel Date 5/26/88

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

April 25, 1988

Mr. David Hastings
National Geophysical Data Center
NOAA, Code E/GC1
325 Broadway
Boulder CO 80303

Dear Dave:

Enclosed please find a few additional items relating to the Stillwater, NV and Dixie Valley, NV seismic data. These include:

- 1) Abstract of 1981 AAPG presentation "Reflection Seismic Surveys for Basin and Range Geothermal Areas - An Assessment by Ross, Glenn and Swift.
- 2) List of supplemental geoscience open-file data for the Stillwater and Dixie Valley areas.
- 3) ESL/UURI report reference for the Stillwater, NV area.

I will be pleased to comment on the NGDC data release announcement when it has been drafted.

Sincerely,



Howard Ross
Section Head/Applied Geophysics

encl.

HPR:kr



EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

TRANSMITTAL MEMORANDUM

SHIPPED TO:

National Geophysical Data Center
Attn: Dr. David T. Dater
Department of Commerce - NOAA
325 Broadway
Boulder, CO 80303

SHIPPED VIA:

United Parcel Service

SHIPPING DATA:
March 17, 1988

Materials Transmitted:

Reproducible Mylars of Seismic Sections and 1 Map as follows:

Stillwater, Nevada - Union Geothermal Co.

- Line 2 - Scaled Final Stack
- Line 2 - Relative Amplitude Stack
- Line 2 - Migrated Final Stack
- Line 3 - Scaled Final Stack
- Line 3 - Migrated Final Stack
- Line 4 - Scaled Final Stack
- Line 4 - Migrated Final Stack
- Seismic Line Location Map

Dixie Valley, Nevada - Southland Royalty Co.

- Line 1-B - South - F.D. Migration
- Line 1-B - South - Final Stack
- Line 1-B - North - Final Stack
- Line 1-B - North - F. D. Migration
- Line SRC - 2 - Final Stack
- Line SRC - 2 - F. D. Migration
- Line SRC - 3 - Final Stack
- Line SRC - 3 - F. D. Migration

Interpretation report and maps, location map: Haskins-Pfeiffer, Inc. Please sign below to acknowledge receipt and return one copy.

Received by :

David Dater

Date:

4-14-88

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

DATA TRANSMITTAL ACKNOWLEDGEMENT

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Attn: Dr. David T. Dater
NOAA, Code E/GC1
325 Broadway
Boulder, CO 80303

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April 21, 1988

Dixie Valley, Nevada Reflection Seismic Survey

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1-South	178-214	"	"	"	SRC-S03A
1-South	182?-298	"	"	"	SRC-S05
1-South	216-254	"	"	"	SRC-S04B
<i>dup</i> 1-South	216-254	10/7/81	SegB-G	Field	SRC-S04B
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Page 2
April 21, 1988
Dixie Valley

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2	178-200	"	"	"	HPF-003
3	101-140	"	"	"	HPF-001C
3	101-140	"	"	"	HPF-001B
3	101-140	"	"	"	HPF-001A

Box 4

<u>Line</u>	<u>SP to SP</u>	<u>Date</u>	<u>Format</u>	<u>Type of data</u>	<u>REEL NO.</u>
3	142-180	10/7/81	SEG B-G	Field	HPF-002
3	220-256	"	"	"	HPF-004
3	182-218	"	"	"	HPF-003
3	258-278	"	"	"	HPF-005A
3	258-278	"	"	"	HPF-005B

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Received By: _____ Date: _____

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UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

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Box No. 2	Line No. 2	Field Correlated Tape, SEG C Format Reel No. J7905344
Box No. 2	Line No. 3	Field Correlated Tape, SEG C Format Reel No. J7905342
Box No. 2	Line No. 4	Field Correlated Tape, SEG C Format Reel No. J7905343
Box No. 2	Line No. 2,3,4	Final Stack Sections, SEG Y Format Reel No. J8006166
Box No. 1	Line No. 2,3,4	Observer's Reports, Surveyors Notes, Location Map.

Please sign below to acknowledge receipt and return one copy to the attention of Dr. Howard P. Ross, UURI.

Received By: _____ Date _____

UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

March 14, 1988

Dr. David T. Dater
National Geophysical Data Center
Department of Commerce - NOAA
325 Broadway
Boulder, CO 80303

Dear Dr. Dater:

I am enclosing some information regarding the seismic reflection data we have discussed in earlier conversations. Digital data tapes are available for two areas, Dixie Valley and Stillwater, both in Churchill County, Nevada. We may be able to make available data tapes for two other areas in the future.

Observers reports, surveyors notes, and location maps are transmitted here for the Stillwater and Dixie Valley Areas. Reproducible sepias or mylars of the seismic sections for these areas are being printed and will be shipped in a map tube when returned from the printing firm. I understand that NOAA will provide shipping labels for the digital data tapes to reduce our costs in completing this data transfer.

Please call me at (801)524-3444 or FTS-588-3444 with any questions you may have regarding these data.

Sincerely,



Howard P. Ross
Section Head/Applied Geophysics

encl.

cc: P. M. Wright

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

March 14, 1988

Ms. Belinda Eubanks
CEJA Corp.
4400 One Williams Center
Tulsa, OK 74172

Dear Belinda:

Enclosed is a signed copy of your transmittal letter for the last seismic data tapes (boxes 3 and 4 of 4) for the Dixie Valley, NV area which were returned to UURI.

Thank you for your cooperation in shipping, insuring and handling these data tapes. The data tapes will be transmitted to the National Geophysical Data Center this month. Please let me know if you have experienced any significant problems in copying, or the future processing of these data, that may be useful information for the NGDC.

Sincerely,

Howard Ross

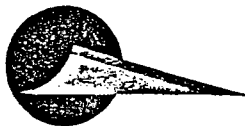
Howard P. Ross
Section Head/Geophysics

HPR:kr

encl.

CEJA CORPORATION

4400 - One Williams Center
Tulsa, Oklahoma 74172



DATE 3/7/88

TRANSMITAL LETTER

DR. HOWARD ROSS
TO THE EARTH SCIENCE LAB FROM BELINDA EUBANKS
UNIV. OF UTAH RES. LAB CETA CORP.
391 CHIPETA WAY, STEC 4400 ONE WM CTR.
SALT LAKE CITY, UTAH TULSA, OKLA 74172
84108-1295
SUBJECT BOXES 3 & 4 OF 4
NEVADA DATA

I AM RETURNING HERewith THE LAST
OF THE FOUR BOXES OF FIELD TAPES
FOR DIXIE VALLEY, NV.

AS REQUESTED, EACH BOX HAS BEEN
INSURED FOR \$10000

ONCE AGAIN, THANK YOU FOR HELPING
US OBTAIN THIS DATA!

Belinda Eubanks

PLEASE SIGN AND RETURN ONE COPY.

Howard P. Ross

DATE March 11, 1988

CEJA CORPORATION

4400 - One Williams Center
Tulsa, Oklahoma 74172

Received 3/11/88



DATE 3/7/88

TRANSMITTAL LETTER

DR. HOWARD ROSS
 TO THE EARTH SCIENCE LAB FROM BEZINDA EUBANKS
 UNIV. OF UTAH RES. LAB CETA CORP.
 391 CHIPETA WAY, STEC 4400 ONE WM CTR.
 SALT LAKE CITY, UTAH TULSA, OKLA 74172
 84108-1295

SUBJECT BOXES 3 & 4 OF 4
NEVADA DATA

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PLEASE SIGN AND RETURN ONE COPY.

Howard P. Ross

DATE

March 11, 1988

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
TELEPHONE 801-524-3422

M E M O R A N D U M

TO: Susan M. Prestwich
Marshall Reed

FROM: Howard P. Ross
Phillip M. Wright

DATE: February 19, 1988

SUBJECT: Transfer of Industry Coupled Program and Exploration
Technology Program Data Tapes to the National Data
Center.

As part of the DOE/DGE Exploration Technology Program of 1979 and 1980, DOE funded the acquisition of detailed, state-of-the-art reflection seismic data via modifications to existing contracts with companies participating in the Industry Coupled Program. New reflection seismic data were obtained at the Stillwater, NV (Union Oil Company) and Dixie Valley, NV (Southland Royalty Co.) geothermal areas. One line of subscription seismic data was also purchased for the Roosevelt Hot Springs, UT area by UURI.

Hard copy of the seismic data (processed seismic sections, maps, reports) have been distributed by UURI for several years following DOE approved open file data releases in 1980 and 1981. Seismic data tapes were also submitted to UURI as deliverables and these have been maintained in vault storage by UURI for several years. Upon direct request from geothermal companies UURI has released the tapes for copying at company computer centers, and monitored the return and storage of these tapes. An increasing number of requests to copy these data has increased the risk of loss or damage, and has required a significant amount of effort on the part of UURI.

We have determined that the National Geophysical Data Center, National Oceanic and Atmospheric Administration (NOAA), 325 Broadway, Boulder, Colorado 80303 is the proper permanent repository for these data. Dr. David T. Dater, Geophysicist with the NGDC, is prepared to accept delivery of these digital data tapes and appropriate backup data, and to respond to valid requests for copies of the data.

UURI intends to transfer the previously described seismic data tapes, and other digital data tapes as may become available and may be appropriate, to the NGDC. Please indicate to us any DOE objection to the proposed data transfer.

SEISMIC REFLECTION DATA
Digital Data Tapes

Feb. 25, '88

1 BOX OF 9 TAPES, REFLECTION SEISMIC DATA TAPES.
HILL AIR FORCE BASE, GEOTHERMAL STUDY.

1 BOX OF 5 TAPES, GRASS VALLEY.
LINE 1, REEL # J7905793.
LINE 2, REEL # J7905796.
LINE 3, REEL # J7905799.
LINE 4, REEL # J7905803.
LINE 1-4, REEL # J7905744.

October 3, 1979

PROPRIETARY DATA

G.S.I. SPECULATIVE SURVEY, SOUTHERN UTAH

LINES 5 AND OPT 5W

(Crosses Roosevelt Hot Springs and the
Mineral Mountains, Utah)

Restricted Usage: For Access and Permission
to use, see:

DR. HOWARD P. ROSS, ESL/WURI

DR. P. M. WRIGHT, " "

DR. S. H. WARD, " "

MR JOSEPH N. FIORE, DOE/NVO

Data become public on Aug 15, 1984.

Howard P. Ross
October 3, 1979

DATA TRANSMITTAL

GS-I-TI

DATE SHIPPED

20-9-79

CONSIGNEE'S ADDRESS

ATTEN.

LOCATION

M/S

CITY, STATE

Howard P. Ross
Ross

408 W. Research, Ind.

Earth Science Lab

120 Computer way

SLC Utah

SHIPPER'S ADDRESS

SHIPPED BY

LOCATION

M/S

CITY, STATE

M.S.O.

2460 W. 26th Av

Denver, Colo

80211

SLC 400-C

THIS SHIPMENT CONTAINS

 MAGNETIC TAPES FILM SECTIONS PAPER SECTIONS PRINTOUTS PROCESSING DATA OTHER

THE LISTED ITEM WERE

 TI SHUTTLE HAND CARRIED SHIPPED VIA LAND AIR SEA

SHIPMENT NO.

PROSPECT ID

W/B NO.

CLIENT

DIVISION

COST CENTER

ACCOUNT NO.

WORK ORDER NO.

LIST THE CONTENTS OF EACH BOX

In compliance with Dept of Energy Control # DE-AC08-79NV10097

M.S.O. is submitting to you the following items:

6 Reels 5064 FORMAT TRIMMER, Duplicates of ORIGINAL
CORRELATION Seismic DATA FROM GSIS 1978 Southern
Utah SPEC PROGRAM.

Reel # J79-04-417 ✓ SCS 807-949 Reel # 2-73

Reel # J79-04-418 ✓ SCS 951-1093 Reel # 74-145

Reel # J79-04-419 ✓ SCS 1095-1237 Reel # 116-217

Reel # J79-04-420 ✓ SCS 1239-1381 Reel # 218-285

Reel # J79-04-421 ✓ SCS 1383-1525 Reel # 286-357

Reel # J79-04-422 ✓ SCS 1527-1663 Reel # 358-426

1 XEROX COPY of ORIGINAL OBSERVATION LOGS

1 XEROX COPY of ORIGINAL SUMMARY INFO.

1 COPY of INFO LOGS ✓

ABOVE LISTED ITEM RECEIVED BY

Howard P. Ross UURI/ESL

DATA RECEIVED

October 3, 1979

DISTRIBUTION.

- PINK - TRANSMITTER'S COPY
- CANARY - RECEIVER'S COPY
- WHITE - TRANSMITTER'S RECORD

INSTRUCTION:

- PINK AND CANARY COPIES ACCOMPANY SHIPMENT TO CONSIGNEE.
- CONSIGNEE MUST SIGN THE PINK COPY AND RETURN TO SHIPPER
- WHITE COPY TO BE RETAINED BY SHIPPER UNTIL PINK COPY IS RETURNED.

TI-23362

LINE 5

UNIT _____

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD
807	J7904417	2	867	J7904417	32
809		3	869		33
811		4	871		34
813		5	873		35
815		6	875		36
817		7	877		37
819		8	879		38
821		9	881		39
823		10	883		40
825		11	885		41
827		12	887		42
829		13	889		43
831		14	891		44
833		15	893		45
835		16	895		46
837		17	897		47
839		18	899		48
841		19	901		49
843		20	903		50
845		21	905		51
847		22	907		52
849		23	909		53
851		24	911		54
853		25	913		55
855		26	915		56
857		27	917		57
859		28	919		58
861		29	921		59
863		✓	30		923
865	J7904417	31	925	J7904417	61

LINE 5

UNIT _____

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD
927	J7904417	62	987	J7904418	92
929		63	989		93
931		64	991		94
933		65	993		95
935		66	995		96
937		67	997		97
939		68	999		98
941		69	1001		99
942		70	1003		100
945		71	1005		101
947	✓	72	1007		102
949	J7904417	73	1009		103
951	J7904418	74	1011		104
953		75	1013		105
955		76	1015		106
957		77	1017		107
959		78	1019		108
961		79	1021		109
963		80	1023		110
965		81	1025		111
967		82	1027		112
969		83	1029		113
971		84	1031		114
973		85	1033		115
975		86	1035		116
977		87	1037		117
979		88	1039		118
981		89	1041		119
983	✓	90	1043	✓	120
985	J7904418	91	1045	J7904418	121

LINE

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UNIT

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD
1047	J7904418	122	1107	J7904419	152
1049		123	1109		153
1051		124	1111		154
1053		125	1113		155
1055		126	1115		156
1057		127	1117		157
1059		128	1119		158
106		129	1121		159
1063		130	1123		160
1065		131	1125		161
1067		132	1127		162
1069		133	1129		163
1071		134	1131		164
1073		135	1133		165
1075		136	1135		166
1077		137	1137		167
1079		138	1139		168
1081		139	1141		169
1083		140	1143		170
1085		141	1145		171
1087		142	1147		172
1089		143	1149		173
1091	✓	144	1151		174
1093	J7904418	145	1153		175
1095	J7904419	146	1155		176
1097		147	1157		177
1099		148	1159		178
1101		149	1161		179
1103	✓	150	1163	✓	180
1105	J7904419	151	1165	J7904419	181

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UNIT _____

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD	
1167	J7904419	182	1227	J7904419	212	
1169	↓	183	1229	↓	213	
1171		184	1231		214	
1173		185	1233		215	
1175		186	1235		216	
1177		187	1237		J7904419	217
1179		188	1239		J7904420	218
1181		189	1241		↓	219
1183		190	1243			220
1185		191	1245			221
1187		192	1247			222
1189		193	1249			223
1191		194	1251			224
1193		195	1253			225
1195		196	1255			226
1197		197	1257			227
1199		198	1259			228
1201		199	1261			229
1203		200	1263			230
1205	201	1265	231			
1207	202	1267	232			
1209	203	1269	233			
1211	204	1271	234			
1213	205	1273	235			
1215	206	1275	236			
1217	207	1277	237			
1219	208	1279	238			
1221	209	1281	239			
1223	↓	210	↓	240		
1225	J7904419	211	J7904420	241		

LINE 5

UNIT _____

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD	
1287	J7904420	242	1347	J7904420	272	
1289	↓	243	1349	↓	273	
1291		244	1351		274	
1293		245	1353		275	
1295		246	1355		276	
1297		247	1357		277	
1299		248	1359		278	
1301		249	1361		279	
1303		250	1363		280	
1305		251	1365		281	
1307		252	1367		DUMMY	
1309		253	1369		DUMMY	
1311		254	1371		DUMMY	
1313		255	1373		DUMMY	
1315		256	1375		282	
1317		257	1377		283	
1319		258	1379		284	
1321		259	1381		J7904420	285
1323		260	1383		J7904421	286
1325	261	1385	↓	287		
1327	262	1387		288		
1329	263	1389		289		
1331	264	1391		290		
1333	265	1393		291		
1335	266	1395		292		
1337	267	1397		293		
1339	268	1399		294		
1341	269	1401		295		
1343	270	1403		296		
1345	J7904420	271	1405	J7904421	297	

LINE 5

UNIT _____

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD
1407	J7904421	298	1467	J7904421	328
1409		299	1469		329
1411		300	1471		330
1413		301	1473		331
1415		302	1475		332
1417		303	1477		333
1419		304	1479		334
1421		305	1481		335
1423		306	1483		336
1425		307	1485		337
1427		308	1487		338
1429		309	1489		339
1431		310	1491		340
1433		311	1493		341
1435		312	1495		342
1437		313	1497		343
1439		314	1499		344
1441		315	1501		345
1443		316	1503		346
1445		317	1505		347
1447		318	1507		348
1449		319	1509		349
1451		320	1511		350
1453		321	1513		351
1455		322	1515		352
1457		323	1517		353
1459		324	1519		354
1461		325	1521		355
1463	∇	326	1523	∇	356
1465	J7904421	327	1525	J7904421	357

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UNIT _____

VP	SEGY TAPE	SEGY OUTPUT RECORD	VP	SEGY TAPE	SEGY OUTPUT RECORD
1527	J7904422	358	1587	J7904422	388
1529	↓	359	1589	↓	389
1531		360	1591		390
1533		361	1593		391
1535		362	1595		392
1537		363	1597		393
1539		364	1599		394
1541		365	1601		395
1543		366	1603		396
1545		367	1605		397
1547		368	1607		398
1549		369	1609		399
1551		370	1611		400
1553		371	1613		401
1555		372	1615		402
1557		373	1617		403
1559		374	1619		404
1561		375	1621		405
1563		376	1623		406
1565	377	1625	407		
1567	378	1627	408		
1569	379	1629	409		
1571	380	1631	410		
1573	381	1633	411		
1575	382	1635	412		
1577	383	1637	413		
1579	384	1639	414		
1581	385	1641	415		
1583	↓	386	↓	416	
1585	J7904422	387	1645	J7904422	417

