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PEL 8

OTWAY BASIN

1971 O71A SEISMIC SURVEY FINAL REPORT

Submitted by

Esso Standard Oil (Australia) Ltd.
1971

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DEPARTMENT OF MINES AND ENERGY

SOUTH AUSTRALIA

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CONTENTS ENVELOPE 1687

TENEMENT: P.E.L. 8 - Otway Basin 071A.

TENEMENT HOLDER: Esso Standard Oil (Australia) Ltd.

FINAL REPORT

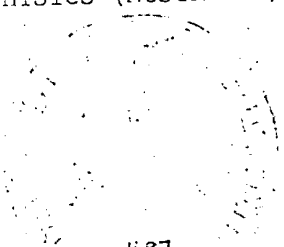
ESSO STANDARD OIL (AUSTRALIA) LTD.

07LA

P.E.L. 8

BY

RAY GEOPHYSICS (AUSTRALIA) PTY. LTD.



1687

Ray Geophysics
(Australia) Pty. Ltd.

CONTENTS

0 04

0 05

ABSTRACT

A seismic survey has been conducted by Ray Geophysics (Australia) Pty. Ltd., on behalf of Esso Standard Oil (Australia) Ltd., in P.E.L. 8, part of the Otway Basin in the south-east of South Australia.

Digital methods were employed using a 'SUM-IT' recorder to obtain a total coverage of 158.425 kilometers of six and twelve fold coverage.

The crew operated on a data acquisition basis only. Operations commenced on February 2, 1971 and were terminated due to inclement weather on May 17, 1971. A total of eighty per cent of the original program was completed.

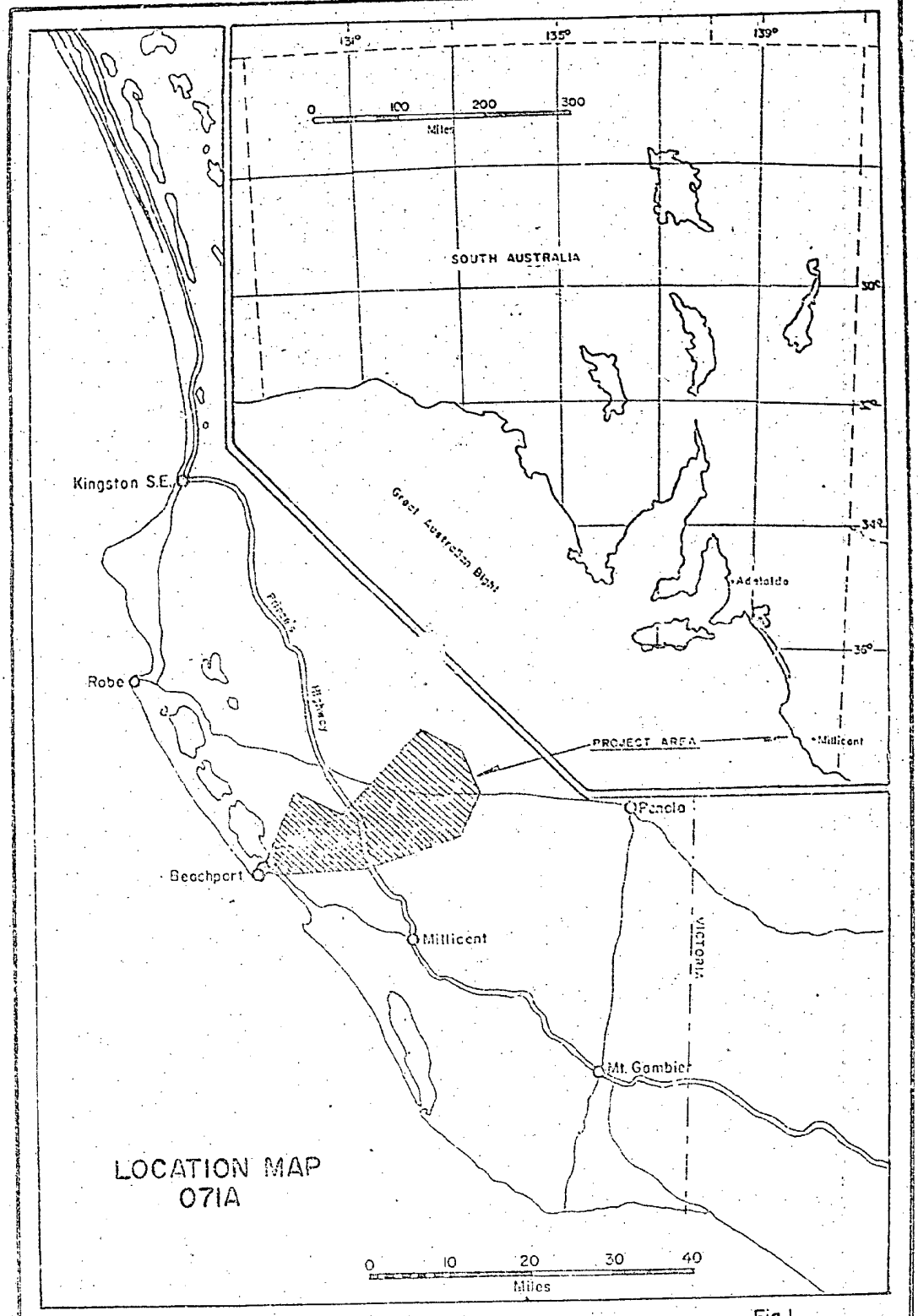

131°
135°
139°
0 100 200 300
Miles
SOUTH AUSTRALIA
Kingston S.E.
Great Australian Bight
Adelaide
Robe
Princes Highway
PROJECT AREA
Millicent
Penola
Beachport
Millicent
VICTORIA
Mt. Gambier
LOCATION MAP
071A
0 10 20 30 40
Miles

Fig.1

0 06

INTRODUCTION

A Seismic 'Thumper' Survey has been conducted in P.E.L. 8 of South Australia on behalf of Esso Standard Oil (Australia) Ltd., by Ray Geophysics (Australia) Pty. Ltd.

The objective of this survey was the acquisition of data for the purpose of evaluating petroleum prospects in that part of the Otway Basin to the north and west of the town of Millicent, South Australia. Field operations extended to Beachport in the west and to approximately twenty four miles north of Millicent. Headquarters for the crew throughout the project was in Millicent.

Digital recording techniques were employed using the Sum-It recording method. A total sub-surface coverage of 158.425 kilometers was obtained during the course of the survey. This comprised 69.950 kilometers of six fold coverage, 71.425 kilometers of twelve fold coverage and 17.050 kilometers of tapered coverage below six or twelve fold. An additional 8.328 kilometers of coverage from experimental work was accomplished.

Operations commenced on February 2, 1971 and were completed on May 17, 1971. A full statistical summary is presented with this report.

OPERATING CONDITIONS

Accessibility:

Access to the area was good. The nearest airport was at Mount Gambier, a distance of thirty-two miles from Millicent. Daily flights were scheduled by Airlines of South Australia both from Adelaide and Melbourne. Within the prospect area, a network of all-weather roads gave ready access to all parts of the program; many of these roads were sealed.

Terrain:

Surface conditions varied considerably through the area. The pastoral land which predominated was interspersed with several sandy ridges (ranges) covered with natural scrub. Large acreages on the higher ground to the north were planted with pines. In the south-west of the prospect area, near to the town of Beachport, much of the area was swampy with numerous peat bogs. With the exception of this part of the area, near surface Coastal Limestone with occasional outcrops was present over most of the area surveyed. An extensive network of drains covered the whole area. Wherever possible, lines were aligned to minimize the effect these drains might have had on the progress of the survey.

The south-eastern portion of South Australia is extensively farmed for both beef cattle and sheep. Many fences enclosing small paddocks caused considerable loss of time during the operations. Wherever access to the survey lines was not

Terrain (cont.)

readily available, fences were cut with the permission of the farmers concerned and temporary gates fitted to facilitate line procedures. All such temporary gates were removed after completion of the work and fences restored to their original condition.

Dozing:

Dozing was restricted to a minimum. However, where the density of natural scrub prevented passage by line vehicles, permission was obtained from the landowner to doze an adequate passage through the trees. This work was carried out by a local contractor or by the farmers themselves.

Permitting:

Each landowner and occupier was contacted by the permit man. A 'Notice of Intent' to conduct the survey across the land was handed to each one and a signed copy was obtained signifying their approval. These copies together with an alphabetical card index of all farmers permitted are submitted to Esso Standard Oil (Australia) Ltd., with the survey data for the area.

All farmers were informed of their rights to compensation for any damage that might have been caused as a result of the operations. All damage claims involving financial compensation were discussed with the Esso representative in the field and a report submitted to his office for approval

Permitting (cont.)

and payment. A number of smaller claims involving only repair or replacement of farm fittings were settled on the site.

Weather Conditions:

During the first part of the survey, the weather was fair with little rain and moderate temperatures. However, during the latter part of April and in May, heavy rains throughout the area slowed production considerably and made farmers wary of allowing the crew's vehicles on their land. An estimated eight inches of rainfall occurred during the last four weeks of the survey. During this period, the crew was placed on standby for seven days in the hope that surface conditions might improve; more rain during this week prevented any improvement of the wet conditions.

SURVEYING

The ground survey in 071A was conducted with a K & E transit. All loops were closed where practical; otherwise lines were double run to insure accuracy. The survey tied all available survey control including triangulation stations and Esso Control points. Declination was determined by shooting between trig station "Furner" and trig station "Mt. Muirhead". After a declination for a true north bearing (of 9° East) was determined, a convergence angle of minus 00° 25' 35" was added to correct instruments to grid north.

Horizontal control was established by a base line between tri-stations "Elgin" and "Furner". From this control other lines were run and tied to other control points. Offshore Navigation Inc., had located control points, numbers 1, 2, 3 and 4 in the prospect. An electronic instrument was used to locate these points by triangulation from first order survey points. Triangulation stations "Furner", "Mt. Muirhead" and "Bradley's Hill" were used.

All elevations were tied to the Department of Lands Survey. The maximum elevation was plus 53.14 meters at station 33, line 1, in the northeast corner of the project. The minimum elevation was plus 0.68 meters at station 1, line 14, the southwest corner of the project.

Horizontal and vertical control in the area was excellent, with many well-documented monuments

marked with the land descriptions. Permanent markers for this project are as shown on enclosed map, (Figure 4). A separate list of all markers with elevations, co-ordinates and description is also included. A loop closure map for traverse and a closure map for elevations are presented as Enclosures 1 and 2.

The first day of work for the survey crew was January 29, 1971, and the last day was May 17, 1971.

The base map for this project was supplied by Esso Standard Oil (Australia) Ltd.

LIST OF PERMANENT MARKERS

Description: Hardwood post, 15" x 4" x 4", set in ground 12" deep with metal identification plate affixed to top. A second plate is attached to nearest fence or fixture as a reference.

Line	Sta.	Elev. m	Co-ordinates(m) N	E	Remarks
1	1	41.61	5865307.3	454754.0	Offset 26m. west on fence.
1	70 + 65m	36.96	5860442.3	449856.0	On fence alongside road.
1	101	32.85	5858450.1	447517.4	On fence edge of road reserve
1	141 + 35m	35.13	5855650.6	444611.8	On fence edge of drain, E.O.L.
2	5 + 30m	40.64	5870130.4	451590.2	On fence edge of trees
2	74	34.97	5865365.6	446637.2	On fence edge of main road
2	97	34.26	5863766.6	445010.3	On fence edge of gravel road
2	149	30.75	5860155.5	441269.3	Alongside Furner gravel road
2	227	16.15	5854770.4	435671.2	On fence along gravel road
2	287	14.83	5850575.1	431391.6	On fence along gravel road
2	319	13.81	5848319.9	429122.0	On fence along gravel road, E.O.L.
3	1	25.33	5861952.6	436504.5	On fence post at start of line
3	45	31.99	5864698.5	439940.7	On fence on Furner gravel road
3	102	34.90	5868617.2	444077.0	On fence in paddock by road reserve
3	114	37.40	5869488.4	444901.8	On fence edge of gravel road
4	1	13.21	5861722.8	427891.7	On fence
4	56	20.82	5865138.5	432203.6	On fence along bitumen road

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LIST OF PERMANENT MARKERS (cont.)

Line	Sta.	Elev. m	Co-ordinates (m) N	E	Remarks
4	87 - 13m	25.55	5867012.2	434650.7	On fence along bitumen road
4	122	30.49	5869408.4	437206.7	On fence along gravel road
4	170	29.75	5872884.8	440512.8	On fence by track, beside BM 459
5	8	29.75	5872884.8	440512.8	Common with Line 4, Sta. 170
5	67	34.64	5868676.0	444643.0	On fence along gravel road
5	115 + 30m	35.61	5865332.1	448101.5	On fence along bitumen road
5	163 - 20m	37.66	5862215.8	451676.0	On fence, 20m intersection line 1
5	172	39.44	5861569.7	452330.7	On fence at end of dozed line
5	213 - 17m	43.85	5858834.5	455357.9	On fence at end of line extension
6	1	29.10	5871130.9	436621.1	On fence edge of gravel road
6	32	29.63	5869057.6	438933.9	On fence along drain track
6	90	34.74	5865283.6	443351.3	On fence along gravel road
6	170	34.13	5859717.7	449030.9	On fence along gravel road
6	194	37.08	5857849.9	450537.5	On fence in paddock near bore
12	1	1.14	5858603.2	414035.5	On fence at start of line
12	26 - 20m	4.40	5857565.5	416288.1	On fence at intersection line 14
12	49	39.84	5856614.8	418438.4	On first fence over canal
12	74	29.26	5855837.0	420773.6	On fence in paddock
12	101	17.85	5854529.9	423137.3	On fence edge of pine plantation
13	12	12.12	5859424.6	422142.6	On fence edge of road reserve

Ray Geophysics (Australia) Pty. Ltd.

LIST OF PERMANENT MARKERS (cont.)

Line	Sta.	Elev. m	Co-ordinates (m) N	E	Remarks
13	47	18.81	5856167.3	420668.3	On fence south side of bitumen road
13	109 + 50m	8.89	5850824.6	417429.7	On fence edge of road reserve
14	12	2.54	5855107.7	415175.1	On station near road bridge
14	39	4.48	5857557.3	416306.3	On fence intersection line 12
14	109 - 8m	13.94	5863945.0	419146.1	On fence edge of road
14	125 + 20m	13.55	5865458.6	419745.8	On fence at end of line
15	32	26.00	5867511.0	432864.8	On fence along bitumen road
15	73 + 50m	17.00	5868673.8	428881.0	On fence along bitumen road

Ray Geophysics (Australia) Pty. Ltd.

FIELD RECORDING

0 15

For reflection recording a Digital Floating Point Sumit system with the following specifications was used:

System:

Floating Point Sumit, unit No. 24
with 32 multiplex: 24 data channels
6 auxiliary channels
2 scan code channels

Dynamic Range:

Better than 78db. S/N ratio: better than 0.25 mv.

Maximum Input Signal:

100 mv before excessive distortion (outside specifications).

Input Impedance:

500 Ohms.

Line Control:

Built-in metering panel for instrument checks.
Built-in test oscillator with 18, 27 or 36 Hz.
Calibrated attenuator: 0 to -60 db. for setting up amplifiers.
Input monitoring system with 24 level meters for 24 channels.

Weathering System:

The system used a separate LVL recorder and RL type amplifiers. Data is acquired

Weathering System (cont.) 0 16

simultaneously with reflected data.

Format:

Output tape format: EPR format, 9 track. IBM compatible.
Tape: ½"width, computer compatible, 2400 feet per reel.
Packing density: 800 bits per inch.
Header information as desired.
A 26 channel D to A converter is built into the instruments.

Summation:

Data can be summed in the field as 1, 2, 4, 8, 16, 24, or 32 sums. When set up as a sum system, individual drops are not recoverable as such.

Amplifiers:

SDA-1, ETL
Bandwidth: 5Hz to 125Hz Hz $\pm$ 3db. Binary gain ranges from a minimum gain of 30 db, to a maximum gain of 120 db.
High cut filter: high cut is at 62½ Hz at 2 ms sample rate; normally no low cut filter is used with the thumper. Four positions of low cut filters are available if required. An S.I.E. FL-50D 50Hz notch filter was fitted prior to the commencement of operations. The filters are in the amplifiers. No filtering is available for field playback purposes.

Camera:

Dry process, type SDW 100, 32 galvos, 6" paper. A normal monitor has 24 data channels with the timebreak on channel 25, and the 100 Hz sine wave on channel 26. Monitoring can be done from, 1) Amplifiers
2) Summing
3) Output

Trip Delay:

100 ms minimum to 1.2 second maximum in 12 steps. The range can be doubled to 200 ms - 2.4 seconds. The trip delay is ganged for two channels.

Record Length:

A record length of six seconds was used at the outset of the survey. This was later changed following instructions from the client on March 3, 1971, at drop segment 1194, Line 14 to a four second record length.

Geophones:

EVS-2B 14Hz geophones were used in multiple arrays. After initial experimentation in which a number of geophone arrays were compared, a 72 phone half-feather configuration was adopted as the most suitable. Dimensions of this patch which comprised six strings of twelve geophones, were 50 meters by 150 meters. After three days production on the first line from February 5 to 7, 1971, geophone arrays were enlarged to 60 meters by 160 meters. Patch layout of both arrays are

Geophones (cont.)

shown in Figures 2 and 3.

Spread:

Patch spacing was 100 meters. Twenty-four detector stations were recorded simultaneously into a split spread to give a 600% or 1200% coverage depending upon the drop segment configuration. A spread of 1250-150, 150-1250 meters was maintained throughout the survey.

Energy Source:

Two weight drop units by Longreach fitted on International Harvester (Series N) 6x6 trucks.

Drop System:

Three methods of dropping were employed during the course of the survey.

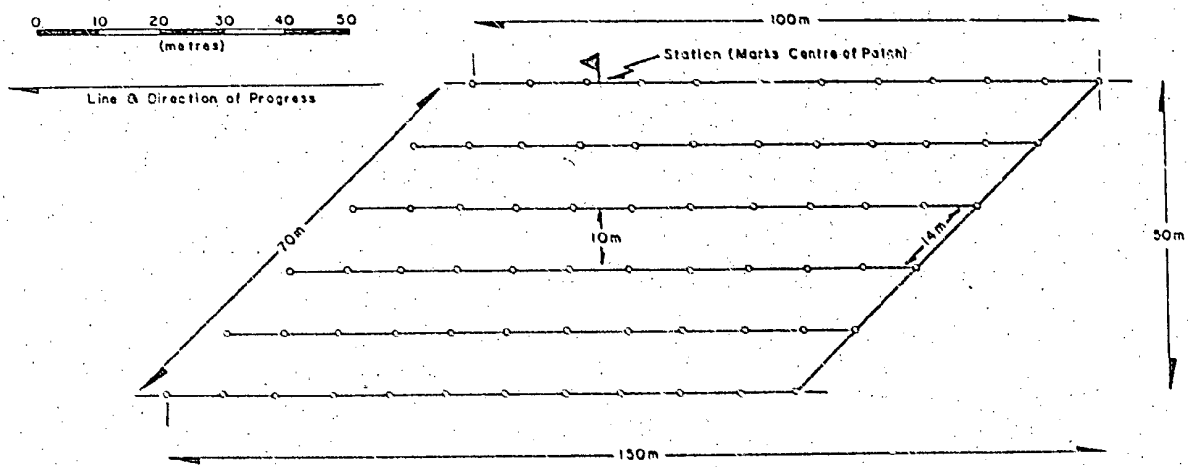
1. Two parallel lines of drops, 30 meters apart along the line of traverse. 2x32 drops equispaced in line every 200 meters.
2. Two parallel lines of drops as above with 2 x 16 drops equispaced in line every 100 meters.
3. Two parallel lines of drops as above with 2 x 32 drops equispaced every 100 meters.

The first of these systems gave six fold coverage and was used until March 21, 1971.

Method 2 was adopted at the start of line 0-71-A/5 on March 22, 1971 at drop station 2000. This

PATCH LAYOUT

(50 x 150 metres)



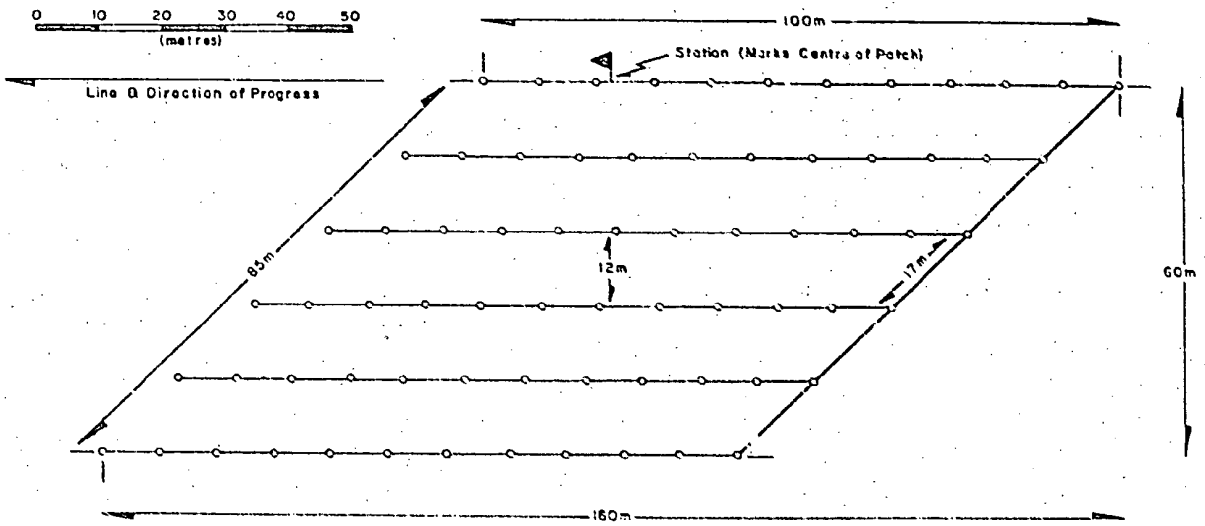
6 Strings per Patch, 12 Geophones per String

Geophones are spaced at intervals of 9 metres

Fig. 2

PATCH LAYOUT

(60 x 160 metres)



6 Strings per Patch, 12 Geophones per String

Geophones are spaced at intervals of 9 metres

Fig. 3

Drop System (cont.)

method gave twelve fold coverage

The twelve fold coverage was maintained with an increased effort factor of 64 drops over 100 meter segments by Method 3 which was employed on April 1, 1971 from drop segment 2242 on line 0-71-A/1 for the remainder of the survey.

Drop procedures are illustrated in Figures 4 and 5.

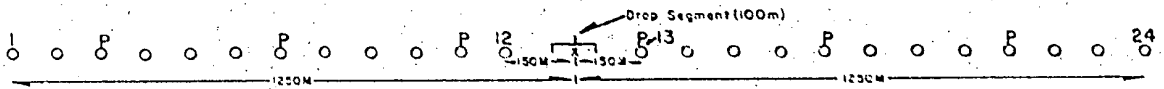
Noise Studies:

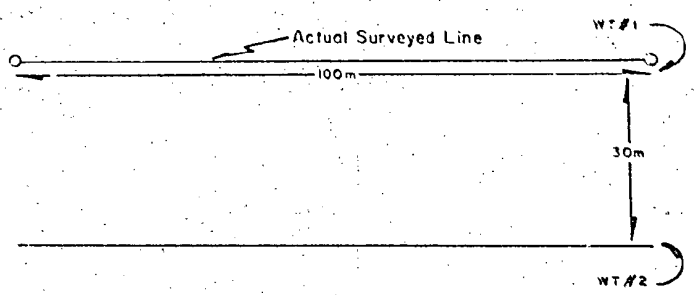
Seven noise studies were carried out at the start of the survey under the supervision of the client representative. These were not recorded on magnetic tape. A comprehensive comparison of a number of geophone arrays was made in conjunction with these noise studies which were interpreted by the Esso representative. They also provided information on near surface weathering and sub-weathering velocities as a guide towards the subsequent interpretation of LVL records for weathering corrections. A map showing the locations of these noise studies is presented with this report as Enclosure 3.

DROP PROCEDURE I

(100 metre segment)

0 22





DROP PATTERN

o : Centre of Geophone Array (every 100m)

P : L.V.L. Station (every 400m)

x : Centre of Drop Station

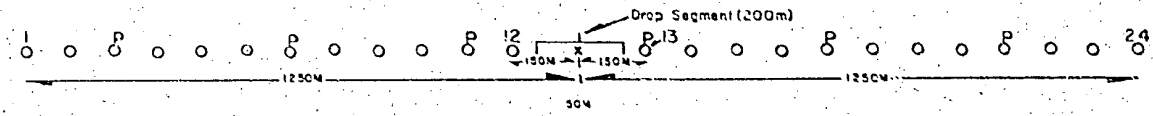
Remarks : 1) Dropping as shown, record channels 1-12, 13-24

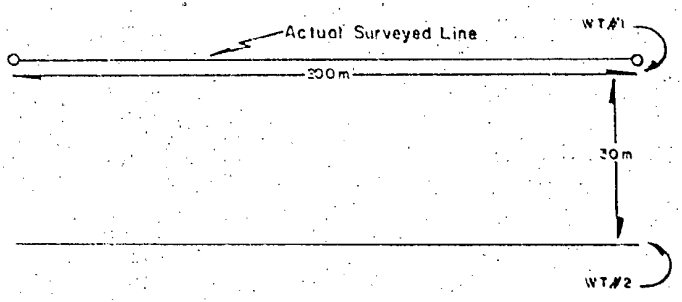
2) Procedure shown used with 32 & 64 drops

Fig. 4

DROP PROCEDURE II

(200 metre segment)





DROP PATTERN

O : Centre of Geophone Array (every 100m)

P : L.V.L. Station (every 400m)

x : Centre of Drop Station

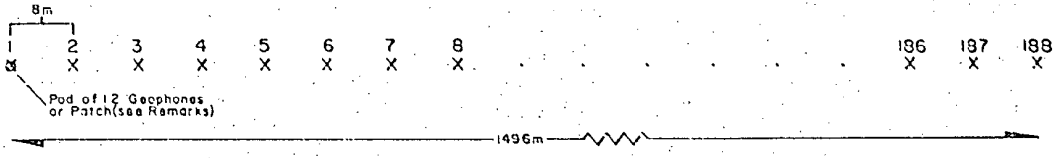
Remarks : 1) Dropping as shown; record channels 1-12, 13-24

2) Procedure shown used with 64 drops only

Fig. 5

NOISE STUDY

0 24



O : Pod of 12 Geophones or Patch(see Remarks)

X : Single drop(every 8m)

Remarks : N.S.1: Dropped into Pod, Diamond, Star, Small ½ Feather and Vadis Arrays

N.S.2: " " "

N.S.3: " " "

N.S.4: " " Small ½ Feather and Vadis Arrays

N.S.5: " " " " " " " " also Large ½ Feather and Pod

N.S.6: " " " " " " " "

N.S.7: " " Large ½ Feather and Pod

All of the above patches contain 72 geophones

All of the above Noise Studies recorded on the L.V.L. Recorder, not magnetic tape

Fig.6

COMPUTATIONS

Static corrections were determined by using the intercept times from the LVL monitors and by computing the average weathering and subweathering velocities at each weathering station. Three, 14 cycle weathering geophones were placed four stations apart. These apparent velocities were then used to calculate the weathering and subweathering corrections at the weathering station to a common datum of sea level. Values for the intermediate stations were interpolated.

CONCLUSIONS AND RECOMMENDATIONS

Future work in the area should only be conducted during the summer months, because weather was a large factor in determining production.

Cattle and sheep were also a problem. A large number of geophone strings were destroyed and several C.D.P. cables were damaged. The only partial solution to this problem was to hire extra men to keep livestock off the line, and where possible, feed the cattle in other parts of the paddocks.

The area was very difficult to work because of the small size of paddocks and large number of fences without gates. A fencing contractor was hired to cut fences and place temporary gates where necessary. This reduced drive time considerably.

C 27

Submitted by:

B. J. Stephens

B.J. Stephens
Party Chief

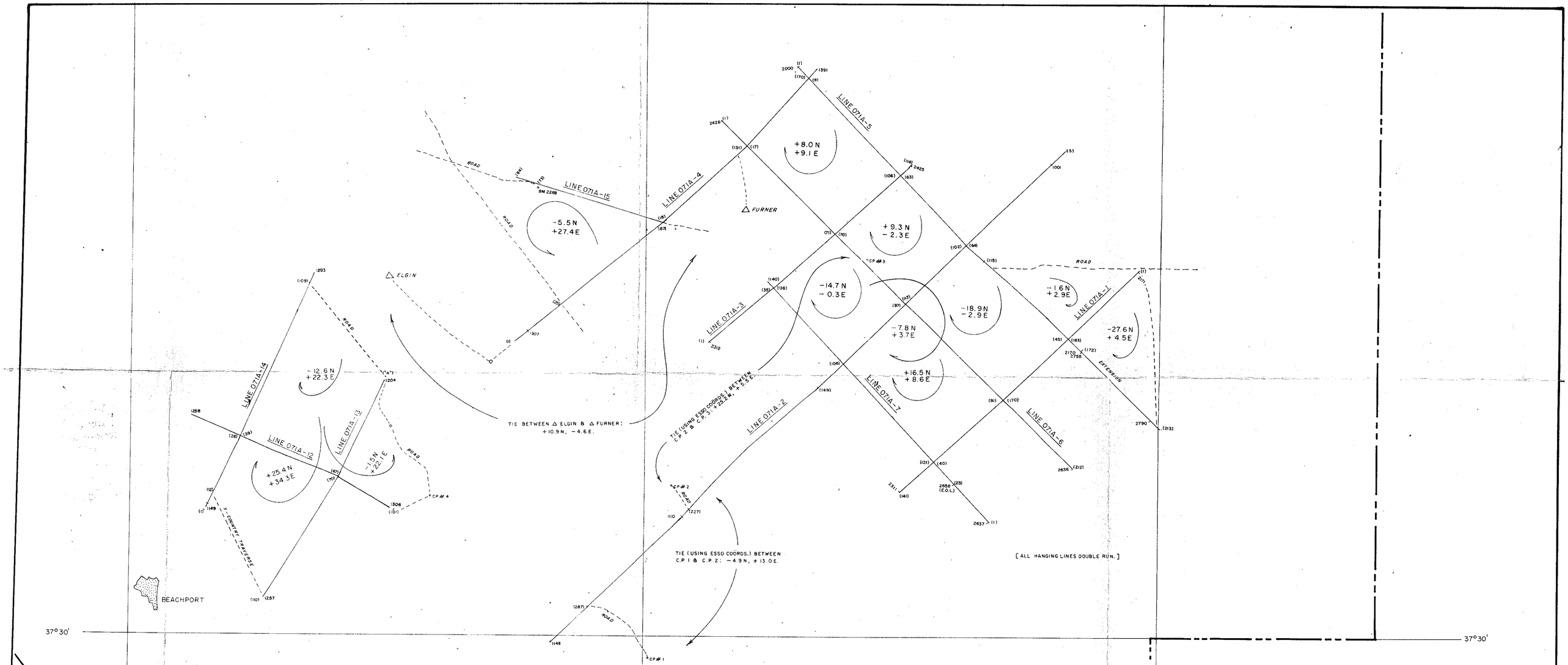
Approved by:

L. E. Twining

L.E. Twining
Area Manager

STATISTICAL DATA

Operating Days:		105 days
Production:	88 days	
Experimental:	3 days	
Weather:	5 days	
Line Move:	2 days	
Shutdown/Leave:	7 days (May 2 - 8)	
Total Subsurface Coverage (Production Only):		158.425Km
1- 6 Fold:	9.650	
1-12 Fold:	7.400	
6 Fold:	69.950	
12 Fold:	71.425	
Average Production Subsurface Coverage/ Production Day:		1.800Km
Experimental Coverage:		8.328Km
Total Drops:		68,654
Production Drops:	66,347	
Experimental Drops:	2,307	
Average Drops/Production Day:		754
Average Daily Drive Time:		1.27 hours



ALL VALUES SHOWN ARE IN METRES

LOOP CLOSURE MAP

HORIZONTAL

RAY GEOPHYSICS (AUST.) PTY, LIMITED

SCALE 1:100,000

317-828

2316 - ESSO S.P IDENTIFICATION

(1211) - RAY STN. IDENTIFICATION

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22 SEP 1971
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1687

ENCLOSURE I

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ENV 1687-6


LINE 071A-5
LINE 071A-4
LINE 071A-15
LINE 071A-3
LINE 071A-2
LINE 071A-1
LINE 071A-7
LINE 071A-6
LINE 071A-14
LINE 071A-13
LINE 071A-12
+0.11
-0.13
+0.57
+0.02
+0.08
+0.14
+0.16
-0.65
+0.41
+0.02
TIE TO B.M. FROM (73) = +0.05
BM 2268
FURNER
ELGIN
ROAD
EXTENSION
CP #3
CP #2
CP #4
CP #1
¼ & ⅞ BENCH MARK
B.M. 2233
⅞ BENCH MARK
⅞ BENCHMARK # 2224
BEACHPORT
MILLICENT
37°30'
140°00'
140°15'
140°30'
ALL VALUES SHOWN ARE IN METRES
LOOP CLOSURE MAP
VERTICAL
RAY GEOPHYSICS (AUST.) PTY, LIMITED
SCALE 1:100,000
317-828
2316 - ESSO S.P IDENTIFICATION
(121) - RAY STN IDENTIFICATION

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ENCLOSURE 2

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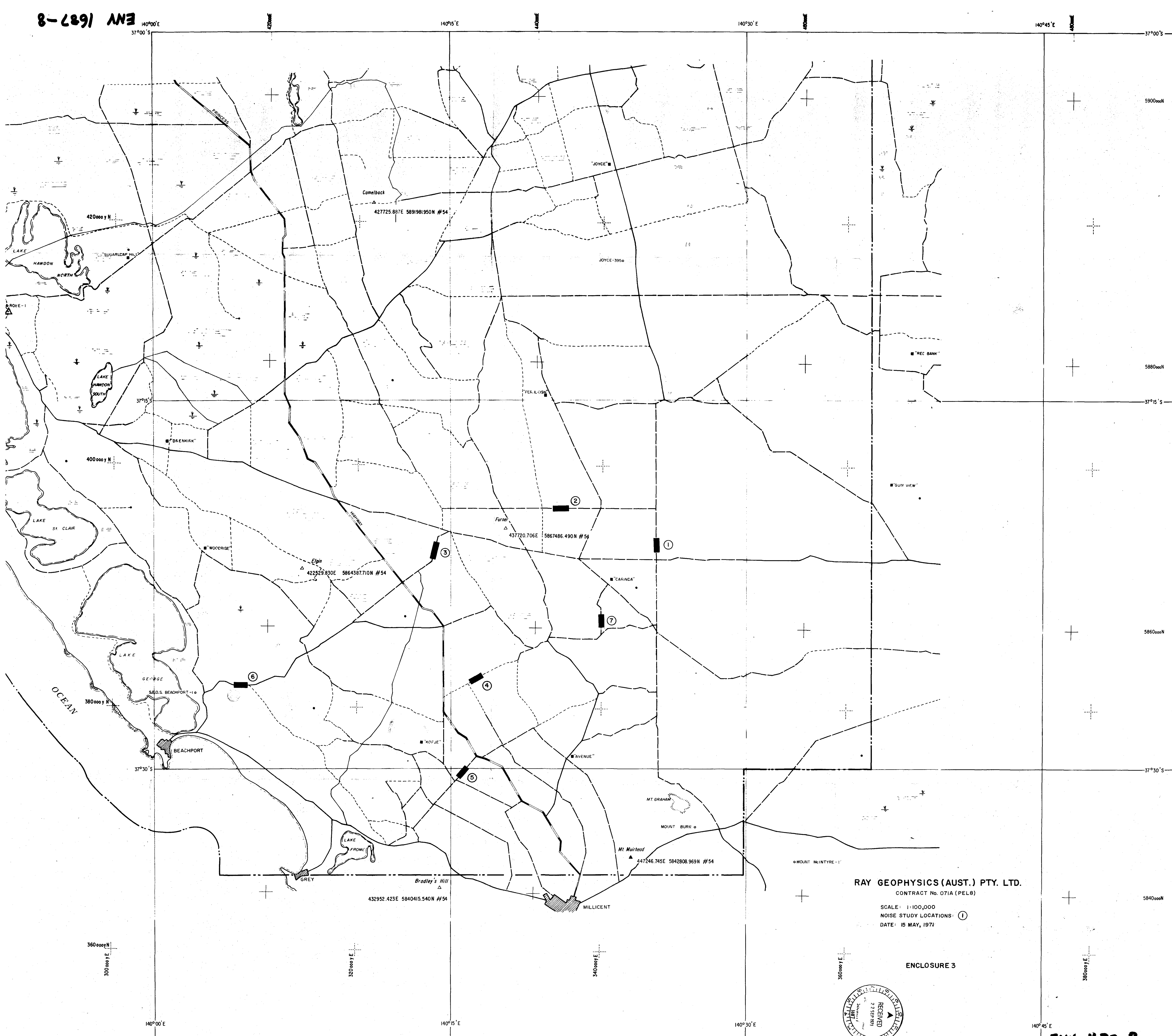

140°00'E
140°15'E
140°30'E
140°45'E
37°00'S
37°15'S
37°30'S
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5840000N
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LAKE HAWDON SOUTH
"REC BANK"
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Bradley's Hill
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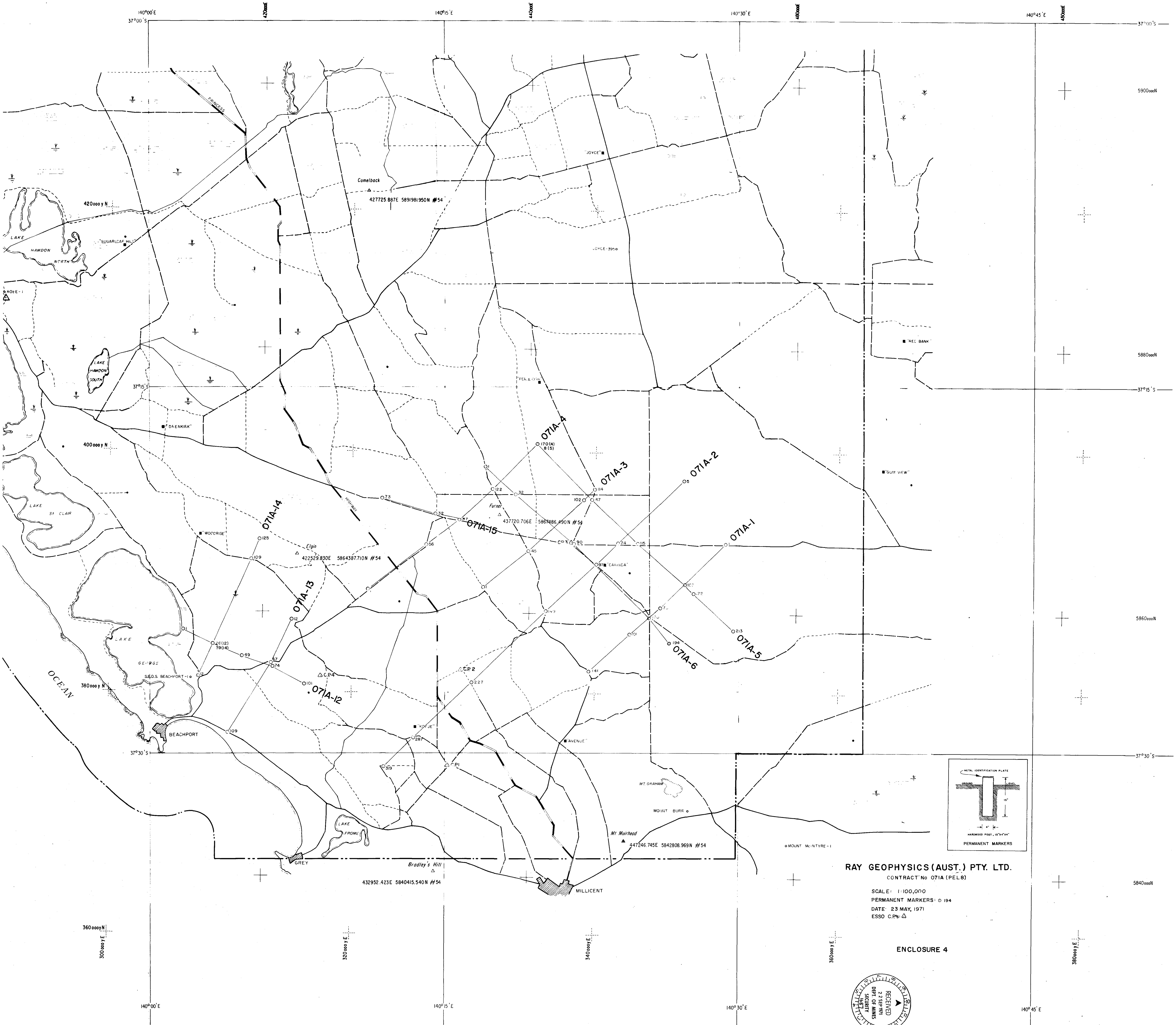
MILLICENT
1
2
3
4
5
6
7
RAY GEOPHYSICS (AUST.) PTY. LTD.
CONTRACT No. 071A (PEL8)
SCALE: 1:100,000
NOISE STUDY LOCATIONS: (1)
DATE: 15 MAY, 1971
ENCLOSURE 3
RECEIVED

ENV 1687-8



140°00'E
140°15'E
140°30'E
140°45'E
37°00'S
37°15'S
37°30'S
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440000E
460000E
480000E
5900000N
5880000N
5860000N
5840000N
420000 y N
400000 y N
380000 y N
360000 y N
300000 y E
320000 y E
340000 y E
360000 y E
380000 y E
PRINCESS
HIGHWAY
Camelback
427725.887E 5891981.950N #54
LAKE
HAWDON
NORTH
SUGARLOAF HILL
JOYCE
JOYCE-395
RED BANK
LAKE
HAWDON
SOUTH
DRENKIRK
GUM VIEW
LAKE
ST. CLAIR
WOODRISE
Elgin
422529.830E 5864387.710N #54
Furner
437720.706E 5867486.490N #54
CARINGA
071A-1
071A-2
071A-3
071A-4
071A-5
071A-6
071A-12
071A-13
071A-14
071A-15
OCEAN
LAKE
GEORGE
S.E.O.S. BEACHPORT - 1
BEACHPORT
C.P.1
C.P.2
C.P.3
C.P.4
AVENUE
MT. GRAHAM
MOUNT BURR
Mt Muirhead
447246.745E 5842808.969N #54
MOUNT McINTYRE - 1
LAKE
FROME
GREY
Bradley's Hill
432952.423E 5840415.540N #54
MILLICENT
METAL IDENTIFICATION PLATE
GROUND LEVEL
HARDWOOD POST, 15"x4"x4"
PERMANENT MARKERS
RAY GEOPHYSICS (AUST.) PTY. LTD.
CONTRACT No 071A (PEL 8)
SCALE: 1:100,000
PERMANENT MARKERS: ○ 194
DATE: 23 MAY, 1971
ESSO C.P's: △
ENCLOSURE 4
RECEIVED
22 SEP 1971
DEPT OF MINES
SECURITY

ENV 1687-9

0 29

FINAL SUBSIDY REPORT

071A LAND SEISMIC SURVEY

SOUTH AUSTRALIAN PETROLEUM EXPLORATION LICENCE 8

by

ESSO EXPLORATION & PRODUCTION AUSTRALIA INC.

J.K. DAVIDSON

RECEIVED
22 SEP 1971
DEPT. OF MINES
SECURITY
1687

July 1971

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0 30

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Plate II	Structure on Pretty Hill Sandstone
Plate III	Shot Point Map

Appendix 1 — Final Report, Esso Standard Oil (Australia) Ltd., 071A Geophysical Survey, P.E.L.8 & S.A.8 By Ray Geophysics (Australia) Pty. Ltd.

Appendix 2 — Noise Study.

ABSTRACT

The 071A Land Seismic Survey using a weight drop or "thumper" source was designed to (i) gain extra seismic coverage on the Beachport and Mt. Hope features and (ii) to gain coverage on the high basement feature, here referred to as Diamond Swamp. Diamond Swamp, like the Beachport and Mt. Hope features, was interpreted from previous gravity and magnetic surveys and from sparse seismic coverage.

The 071A seismic lines show that Diamond Swamp is a high basement fault block similar to Beachport and Mt. Hope. The seismic traverses show that the prospective reservoir unit onlaps these basement highs and may not extend over the higher portions of these paleo-topographic features.

INTRODUCTION

The 071A Land Seismic Survey commenced on February 2, 1971 and was completed on May 17, 1971. The survey was conducted within P.E.L.8 in South Australia where Esso has a farmin agreement with General Exploration of Australia, Alliance Petroleum Australia N.L. and Beach Petroleum N.L. (see Figure 1). 158.425 kilometres of data were recorded of which 9.65 kilometres was 1-6 fold C.P.D., 7.4 kilometres was 1-12 fold C.P.D., 69.95 kilometres was 6-fold C.D.P. and 71.425 kilometres was 12 fold C.D.P.

INTERPRETATION

(A) OBJECTIVES

The objectives of the 071A Land Seismic Survey were to detail the Diamond Swamp gravity and magnetic anomaly which was poorly controlled by previous seismic work and to gain extra control on the Beachport and Mt. Hope gravity and magnetic anomalies which had been fairly well detailed as a result of the 069A Land Seismic Survey.

The Beachport anomaly was identified as an anomaly (Rochow, 1968 and Geophysical Associates Pty. Ltd., 1969), mapped as a result of the EU-68 Marine Seismic Survey (Wiggin and Bein, 1969) and the 069A Land Seismic Survey (Wiggin and Graham, 1969) and was subsequently drilled (Lake George 1). The 071A Land Seismic Survey was principally designed to prove northerly dip and to gain more structural control and distribution of the Pretty Hill reservoir sand.

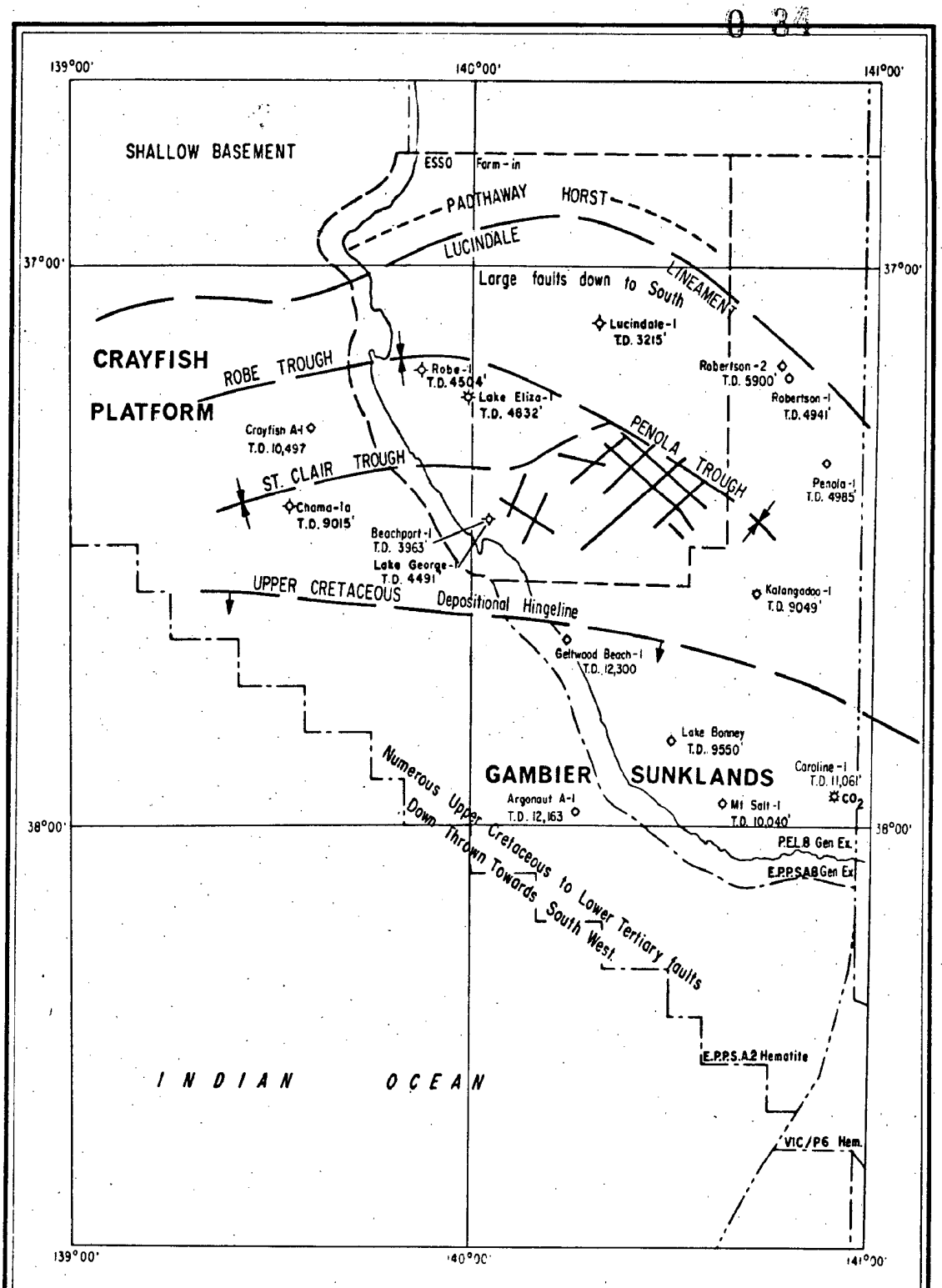
Part of the 071A survey was planned to add to the 069A seismic control over the Mt. Hope structure which was recognised on the same gravity survey as Beachport. However, inclement weather prevented the completion of this part of the survey.

The EV-68 Gravity Survey (Geophysical Associates Pty. Ltd., 1969) located a large anomaly at Diamond Swamp. Very little seismic control existed over this structure, and a major aim of the 071A survey was to outline this structure.

(B) REGIONAL GEOLOGY

The survey area is within South Australia P.E.L.8 in the northwestern part of the Otway Basin and is north of the hinge line which marks the boundary of thick Upper Cretaceous deposition. This part of the basin is an onshore extension of the "Crayfish Platform" which is bounded by the Lucindale Lineament to the north and the Upper Cretaceous hinge line to the south (see Figure 1). It is a platform only in the sense that Upper Cretaceous and Tertiary rocks are found in relatively thin sequences thickening towards the sea. In Lower Cretaceous times an extensive depositional trough existed in the area.

The northern edge of the Otway Basin is formed by up-faulted basement on a line approximately west-northwest from Melbourne to Cape Jaffa. The basement rocks appear to be metamorphosed Paleozoic sediments related to the formation of the Tasman Geosyncline which involved essentially the filling and deformation of a series of north-south trending troughs. The Otway Basin, which formed in Mesozoic times, however, trends east-west and contains sediments ranging from Mesozoic to Tertiary.



0 71 A Survey Lines

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN
SOUTH AUSTRALIA

MAJOR STRUCTURAL FEATURES & LOCATION OF 0 71 A LAND SEISMIC SURVEY

TO ACCOMPANY: FINAL SUBSIDY REPORT, 0 71 A

Scale 1:1,000,000

20 10 0 20

Miles

DWG 140:/08/1

The lowermost unit, the Otway Group, comprises a thick section of non-marine Lower Cretaceous rocks. The basal formation of this group, the Pretty Hill Sandstone is a fresh water fluvial, deltaic, quartzose sandstone up to 10,000 feet thick. This formation was intersected by Esso's Lake Eliza-1 and Lucindale-1.wells. The finer grained greywacke-shale-mudstone Otway Group, unconformably overlies the Pretty Hill Sandstone and the Lower Cretaceous is overlain discordantly by Upper Cretaceous sediments.

Upper Cretaceous rocks although exceeding 10,000 feet in thickness south of the Upper Cretaceous depositional hinge line are less than a thousand feet thick over most of the survey area. The top of the Upper Cretaceous is usually marked by a gentle angular unconformity.

The Eocene-Paleocene sequence is a sandstone deposited in paralic to neritic conditions on a southward dipping surface. These rocks thin by onlap in the shelfward direction, thicken basinward, then thin over a gross regional clinoform to a southern zero edge. The younger Tertiary sequences consist of shales, marls and limestones.

Tertiary intrusive and extrusive rocks are common on the northern and eastern margins of the basin.

(C) EXISTING GEOPHYSICAL INFORMATION

1. South Australia Mines Department Air Magnetic Survey, contracted by BMR, in 1955 and re-interpreted by CGG, in 1965.

2. Esso's EV-68 Gravity Survey consisting of 1044 miles of coverage at ½ mile intervals recorded in 1968-69.

3. South Australia Mines Department single-fold wiggle trace shooting covering approximately 300 miles recorded between 1960 and 1965.

4. Single-fold analog recording seismic surveys by Alliance Oil Development including the following:

Kalangadoo - Lucindale, and Penola.

5. The Cape Grimm to Cape Jaffa Marine Single-Fold Analog Seismic Survey by Hematite Exploration Pty. Ltd., 1965.

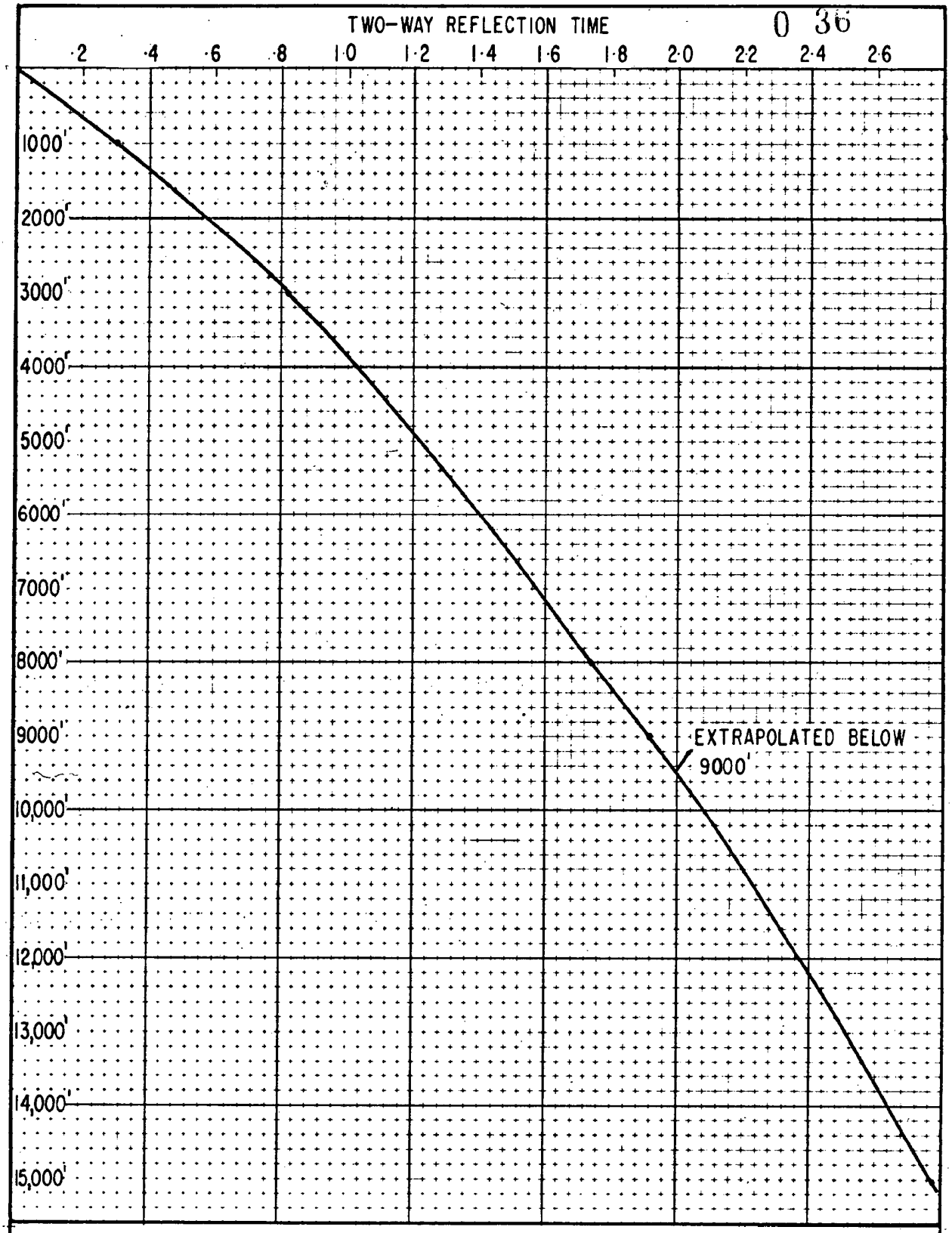
6. Offshore Otway Basin Marine Seismic Surveys, Esso Exploration and Production Australia, 1967 (EO, EP and ER Surveys).

7. Offshore Otway EV-68 Marine Seismic Survey by Esso on SA.8. (Aquapulse 12-fold digital recording).

8. Onshore Otway 069A Land Seismic Survey by Esso on P.E.L.8 (Dynamite, 1 to 24-fold C.D.P.).

(D) HORIZONS MAPPED

The enclosed structure contour depth maps are at a scale of 1:100,000, with a sea level datum. Figure 2 is a time vs. depth plot based on the velocit scans produced from the 069A Land Survey data and velocity data derived



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

TIME DEPTH CURVE

BASED ON VELOCITY SCANS FROM THE 069A LAND SEISMIC SURVEY AND VELOCITY DATA FROM LAKE GEORGE-1, LAKE ELIZA-1, AND LUCINDALE-1, IN P.E.L.8 & S.A./8 SOUTH AUSTRALIA

TO ACCOMPANY: FINAL SUBSIDY REPORT
071A LAND SEISMIC SURVEY

FIG. 2

from the wells Lake George-1, Lake Eliza-1 and Lucindale-1. This time vs. depth curve was used to convert the reflection times to depth for the mapped horizons below. Considerable scatter occurred between plots of individual velocity scans from the 071A Survey. The velocities encountered in the above three wells did not depart significantly from the curve based on the 069A Survey velocity scans, so this curve was used for the time to depth conversion for the 071A Survey data.

The following maps are enclosed:

1. Plate I Structure on Economic Basement
2. Plate II Structure on the Pretty Hill Sandstone
3. Plate III Shot Point Map

1. Structure on Economic Basement, Plate I.

Economic Basement at Lake George-1 and Lucindale-1 was found to be a phyllite and slightly metamorphosed sediments were found to comprise basement at Lake Eliza-1 and Kalangdoo-1. Both these rock types are thought to be Paleozoic in age. As the velocities encountered in these rocks approach the same velocities as the Pretty Hill Sandstones, it is often difficult to define economic basement on the seismic lines. Basement is often defined by a high amplitude signal which has weak unconformable events beneath it. In many instances, it is the deepest reflection event on the section.

The Economic Basement Map (Plate I) is essentially comprised of two parts. One part lies south of Lake Eliza-1 and was interpreted by integrating the new survey (071A) with the 069A survey and the well control at Lake George-1. The second part lies north of and includes Lake Eliza-1 and is a re-interpretation of the 069A data incorporating the well control of Lake Eliza-1 and Lucindale-1.

The most noteable features on the Basement Structure map are the horst blocks which form closed structures. These features include, Lucindale and Lake Eliza in the northern area, Diamond Swamp in the east and Lake George and Mt. Hope in the south. The Mt. Hope basement high has been interpreted as an extension of the Lake George (Beachport) high. Figure 3 is a seismic section across the Mt. Hope and Diamond Swamp structures which shows the horst block form of the structures. It also shows that, on comparing the relative positions of faults of various ages on either side of the high points of the structures, that the two structures are very similar.

2. Structure on the Pretty Hill Sandstone, Plate II.

The top of the Pretty Hill Sandstone is usually characterised by a high amplitude reflection. The reflection marks the boundary between the mudstones and greywackes of the overlying Otway Group and the underlying Pretty Hill Sandstone. This boundary is generally an unconformity and where unconformable, two high amplitude cycles are observed. This characteristic is more clearly seen when the seismic data are presented as variable area sections with a wiggly trace overprint. A significant frequency change is also observed at this contact.

The variable area presentation was preferred for the 071A survey rather than a variable density presentation which was used for the 069A survey because of this improved resolution.

A reflection event from the top of the Pretty Hill ties Esso's offshore well, Crayfish-1 and the onshore Esso wells, Lake Eliza-1 and Lucindale-1. Plate II shows the structure on the top of the Pretty Hill Sandstone. Like the Basement Map, the area south of Lake Eliza-1 has been interpreted by integrating the 071A survey with the 069A survey and data from the Lake George-1 well and the area north of, and including Lake Eliza-1, has been re-interpreted using the 069A seismic data and has incorporated the results of Lake Eliza-1 and Lucindale-1. This map indicates structural closure at Lucindale, Lake Eliza, Lake George, Mt. Hope and Diamond Swamp. The Sugar Loaf and Konetta structures interpreted using the 069A data are considered to be secondary structures and are not mapped in detail on Plate II as a contour interval of·500', although adequate to define structures like Beachport and Diamond Swamp, was too coarse to define Sugar Loaf and Konetta.

The Pretty Hill Sandstone onlaps the basements highs and becomes very thin to absent at Beachport, Diamond Swamp and Mt. Hope.

3. Shot Point Map, Plate III

This map is a compilation of all Esso and other company shooting and surveys done by the South Australia Department of Mines.

(E) POST PRETTY HILL SEQUENCE (NOT MAPPED)

Lake George-1 penetrated only 560 feet of Upper Cretaceous rocks. Thus the base of the Tertiary is essentially the top of the Otway Group (Lower Cretaceous) for mapping purposes. The Upper Cretaceous is a sedimentary wedge which pinches out by onlap on the Lower Cretaceous surface as well as by truncation by the Tertiary rocks.

The base of the Tertiary or the top of the Lower Cretaceous does not reflect the structure on the top of the Pretty Hill and was,therfore, of little structural significance and hence not mapped. In the 069A subsidy report (Wiggin & Graham, 1969) it was stated that the Base of the Tertiary, as mapped for 069A data, showed a regional thinning towards the north-east and this configuration can also be seen on Figure 3.

(F) DATA QUALITY

The data quality of the 071A survey using a weight drop energy source is essentially comparable to the 069A data which used a dynamite source. Although data quality is only fair to good in both cases, it is adequate for mapping the top of the Pretty Hill Sandstone. The definition on "basement" is less than adequate on both the "thumper"survey and the dynamite data.

(G) RESULTS

The 071A Land Seismic Survey has shown that the Diamond Swamp gravity

anomaly is a basement controlled feature similar to the Beachport high. Structural closure is mapped on the top of the Pretty Hill Sandstone, but both features are shown to have areas where the Pretty Hill Sandstone is absent.

FIELD RECORDING

Field data was recorded on a Mandrel SUM-IT digital system at a two millisecond sample rate, then processed at a four millisecond sample with corrections for near surface statics, amplitude equalisation, twelve fold stack and time varying deconvolution before stack. This recording method is described in more detail on p.10 of the contractors report (Appendix 1).

DATA PROCESSING

Eleven lines totalling 158.425 kilometres of the 071A Land Seismic Survey were processed at Western Geophysical's digital processing centre in Sydney, N.S.W. Final sections were processed using the optimum parameters determined through experimentation and data analysis.

Near surface static corrections were adjusted for surface elevations and this was done in the field by Ray Geophysics. The intercept times t_2, ...tn, were determined from the LVL monitors and weathering depths computed by the formula below:-

$$h_1 = \frac{V_1}{\cos\left(\sin^{-1}\frac{V_1}{V_2}\right)}\left[\frac{t_2}{2}\right]$$

$$h_2 = \frac{V_2}{\cos\left(\sin^{-1}\frac{V_2}{V_3}\right)}\left[\frac{t_3}{2} - \frac{h_1\cos\left(\sin^{-1}\frac{V_1}{V_3}\right)}{V_1}\right]$$

IN GENERAL, FOR $n > 1$:

$$h_n = \frac{V_n}{\cos\left(\sin^{-1}\frac{V_n}{V_{n+1}}\right)}\left[\frac{t_{n+1}}{2} - \sum_{i=1}^{n-1}\frac{h_i\cos\left(\sin^{-1}\frac{V_i}{V_{n+1}}\right)}{V_i}\right]$$

EXAMPLE: FOR $n = 3$, $i = 1$ AND 2, THEREFORE:

$$h_3 = \frac{V_3}{\cos\left(\sin^{-1}\frac{V_3}{V_4}\right)}\left[\frac{t_4}{2} - \frac{h_1\cos\left(\sin^{-1}\frac{V_1}{V_4}\right)}{V_1} - \frac{h_2\cos\left(\sin^{-1}\frac{V_2}{V_4}\right)}{V_2}\right]$$

In most instances only one or two distinct low velocity layers were evident and the topographic relief resulted in small (approximately 20 milliseconds) static corrections to sea level datum.

Computer automated velocity gathers were extracted from the twelve fold data at intervals of approximately six kilometers or closer. Velocity functions input for normal moveout corrections were derived from the gathers and distributed over the line. The velocity functions are identified on the section.

Final sections were plotted as variable area film with time varying filter.

Quality of the final sections graded from fair to good.

FIELD OPERATIONS AND STATISTICAL REPORT

Ray Geophysics (Australia) Pty. Ltd. has prepared a statistical summary of the field operations which is attached to this report (Appendix 1). An experimental thumping program was conducted at the start of the survey and the results of these tests appear in the contractors report (Appendix 1) and in (Appendix 2).

The following is a list Line Numbers and Shot Points included in the 071A survey.

Line	From	To
1	2310	2171
2	1148	1001
3	2312	2425
4	1308	1390
5	2000, 2748	2164, 2790
6	2426	2636
7	2658	2637
12	1258	1306
13	1257	1204
14	1149	1203
15	2741	2659

BIBLIOGRAPHY

Rochow, K. (1968) Geological Interpretation of Seismic Time Sections in the Gambier Embayment. Department of Mines, South Australia.

Wiggin,R.W. & Bein, J.(1969) Final Subsidy Report, EU-68 Marine Seismic Survey. Esso Exploration and Production Australia Inc.

Geophysical Associates Pty. Ltd. (1969) Final Subsidy Report, EV-68 Land Gravity Survey. Esso Exploration Australia Inc.

Wiggin,R.W. & Graham, R.L.(1969) Final Subsidy Report, 069A Land Seismic Survey. Esso Production Australia Inc.

APPENDIX 2.

FINAL SUBSIDY REPORT 071A LAND SEISMIC SURVEY, P.E.L.8 SOUTH AUSTRALIA.

NOISE STUDY

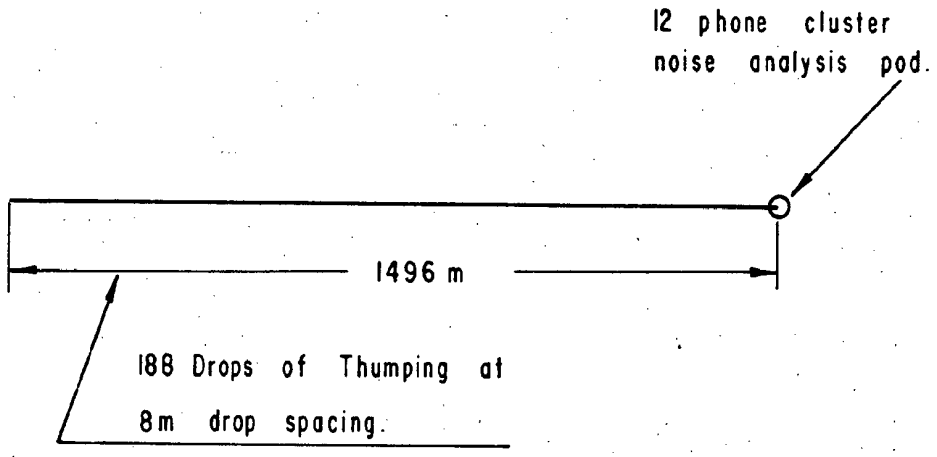
Ray Geophysics (Australia) Pty. Ltd. conducted a noise analysis program designed by Esso in P.E.L.8 South Australia from Feburary 3, 1971 through to February 5, 1971 to determine the optimum recording parameters for the 071A Land Seismic Survey.

This noise program was conducted in seven different areas of interest (see figure 6 Appendix 1). Each of the seven noise studies was accomplished by dropping the thumper weight 188 times in a continuous straight line with a drop interval of eight meters. The first drop was on top of either a small pod of geophones to determine noises present, or at the near geophone of an array to determine the amount of noise cancellation to be obtained from that array.

Figures 1 to 6 depict the spread configuration and different arrays attempted.

Table 1 is a tabulation of the noises present in each of the seven areas and the type of geophone array attempted.

Figures 7 & 8 show the LVL recordings of noise study no. 5 and indicate why the "half feather" array was preferred to the "noise pod" and "centre-loaded in-line" arrays and also why the "large half feather" was preferred to the "small half feather".



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

NOISE POD - 12 PHONES

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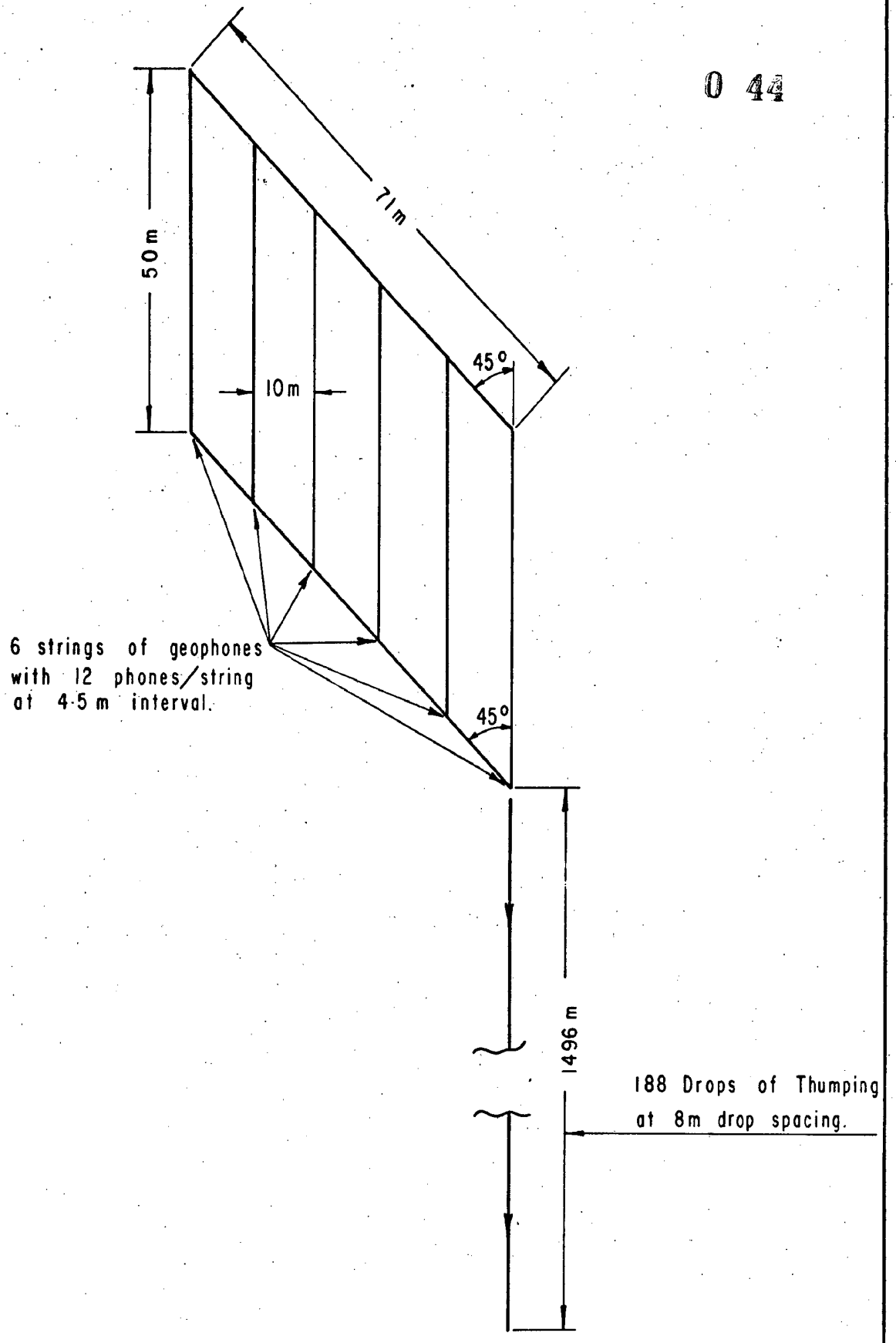
O71A LAND SEISMIC SURVEY

FIG. 1

DWG.1401/OP/3



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

SMALL HALF FEATHER - 72 PHONES

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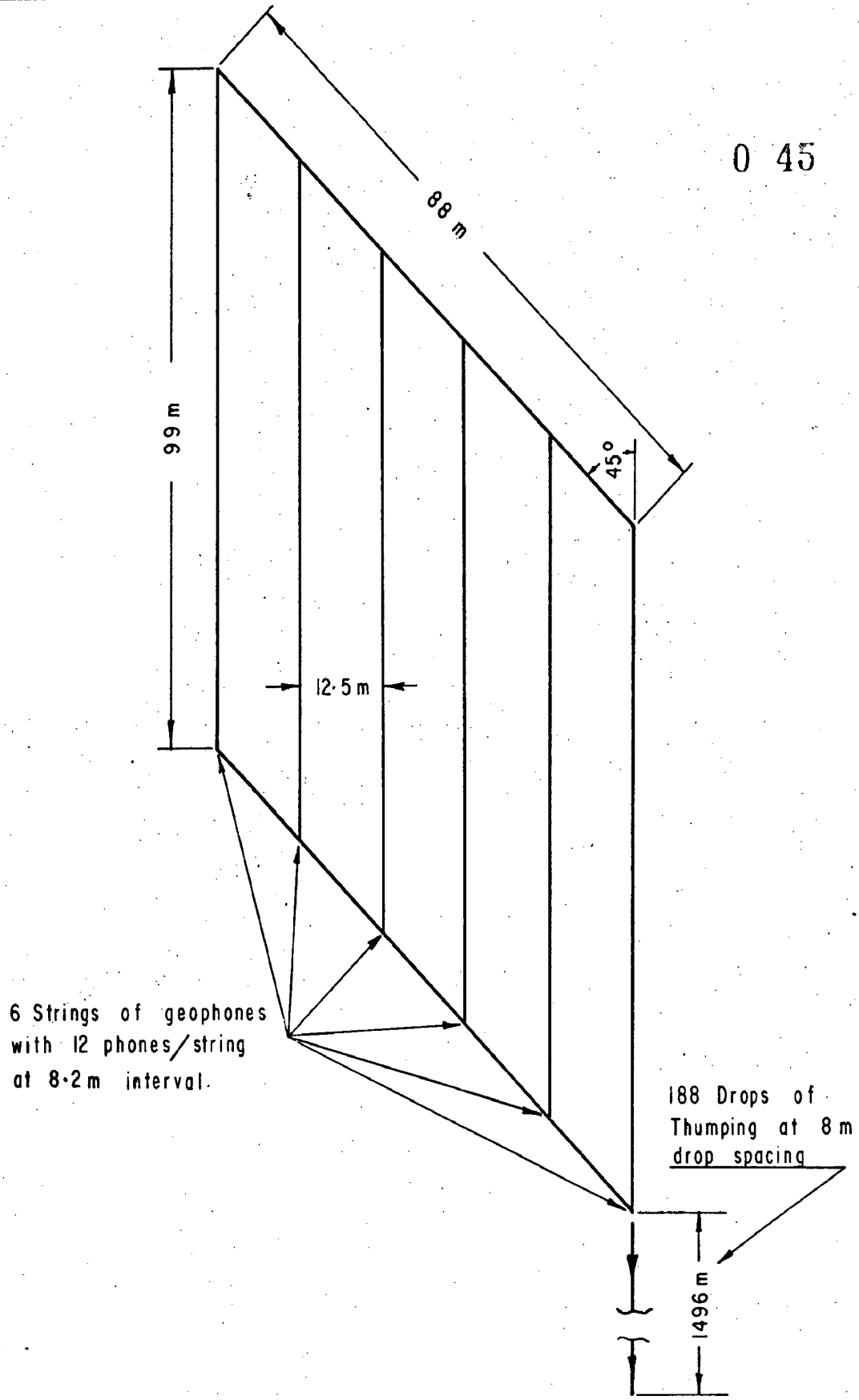
O71A LAND SEISMIC SURVEY

FIG. 2

DWG. 1401/OP/4

0 45



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

LARGE HALF FEATHER - 72 PHONES

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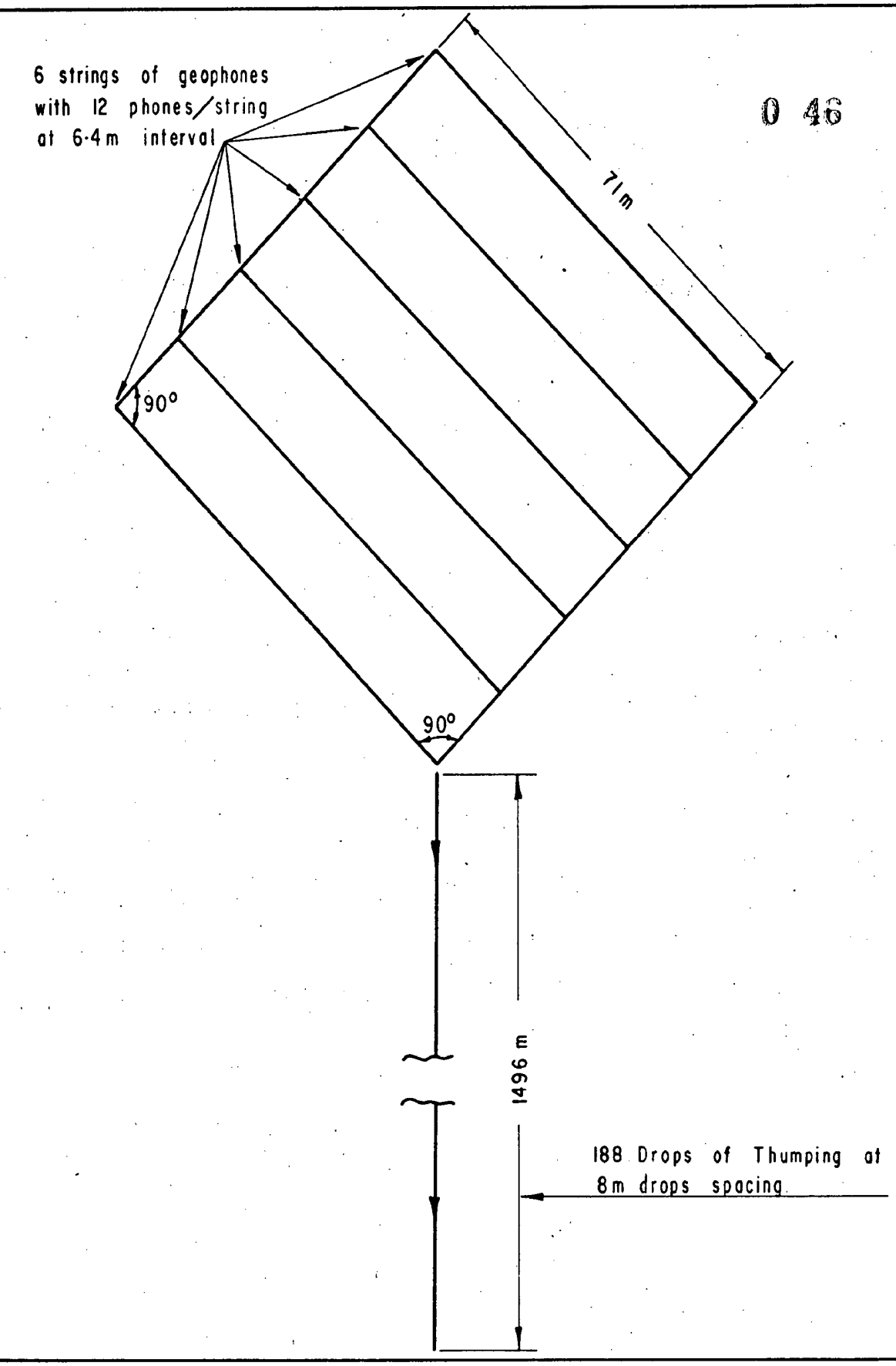
071A LAND SEISMIC SURVEY

FIG. 3

DWG. 1401/OP/5



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

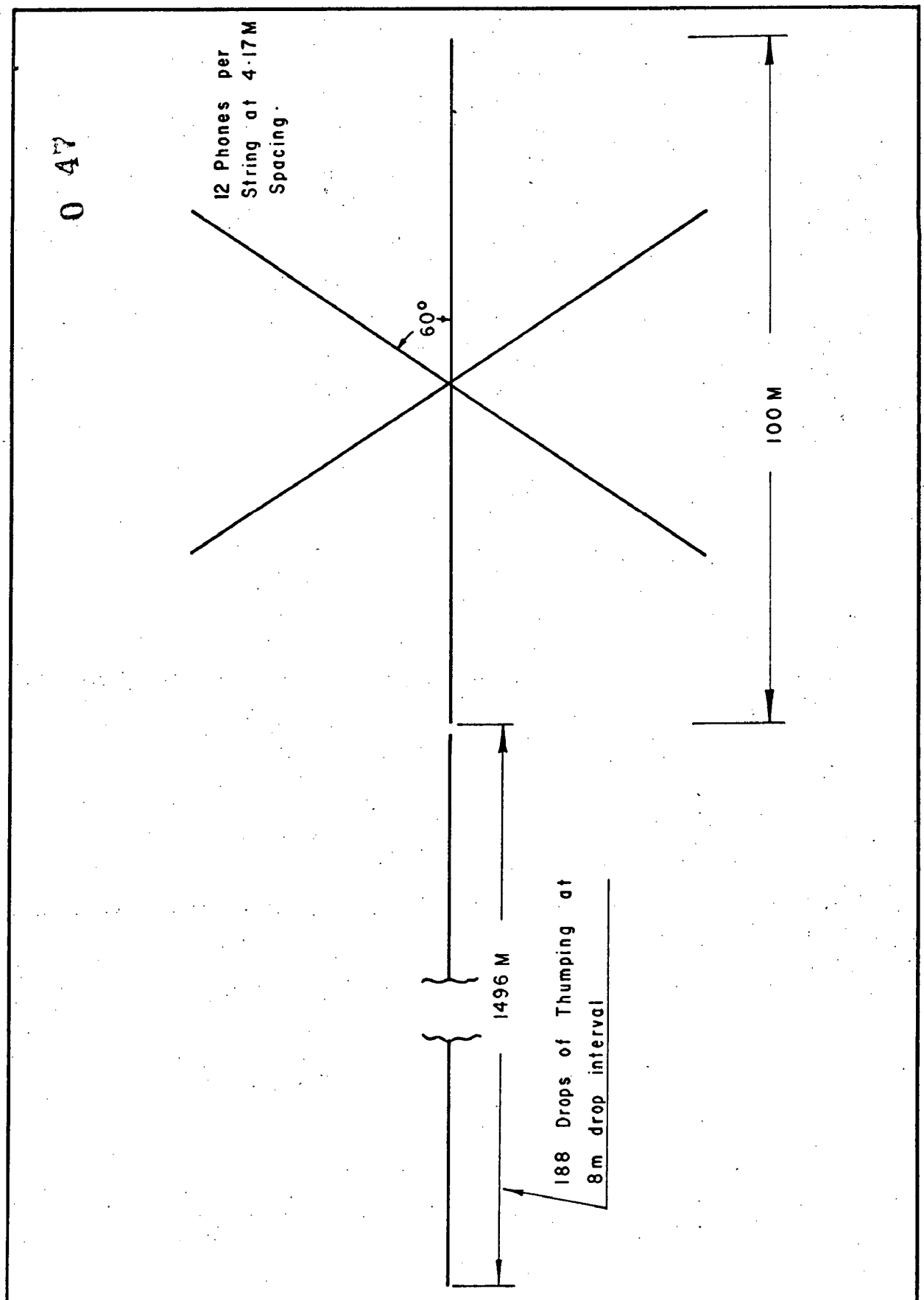
OTWAY BASIN

71M × 71M DIAMOND - 100M PT. TO PT.-72 PHONES

TO ACCOMPANY: FINAL SUBSIDY REPORT
O71A LAND SEISMIC SURVEY

FIG. 4

DWG. 1401/OP/6



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

6 POINT STAR - 50M LEGS - 72 PHONES

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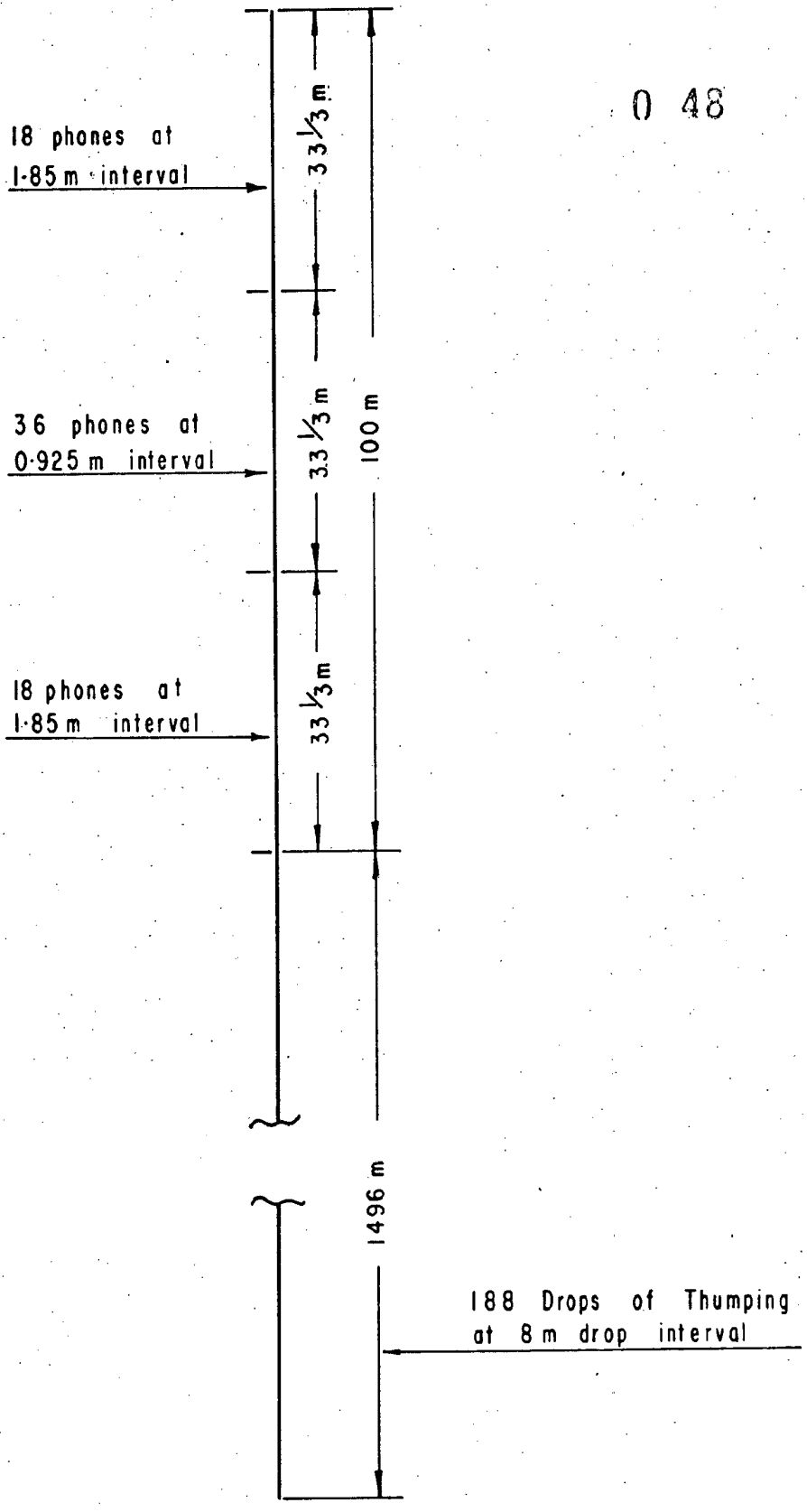
O71A LAND SEISMIC SURVEY

FIG. 5



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

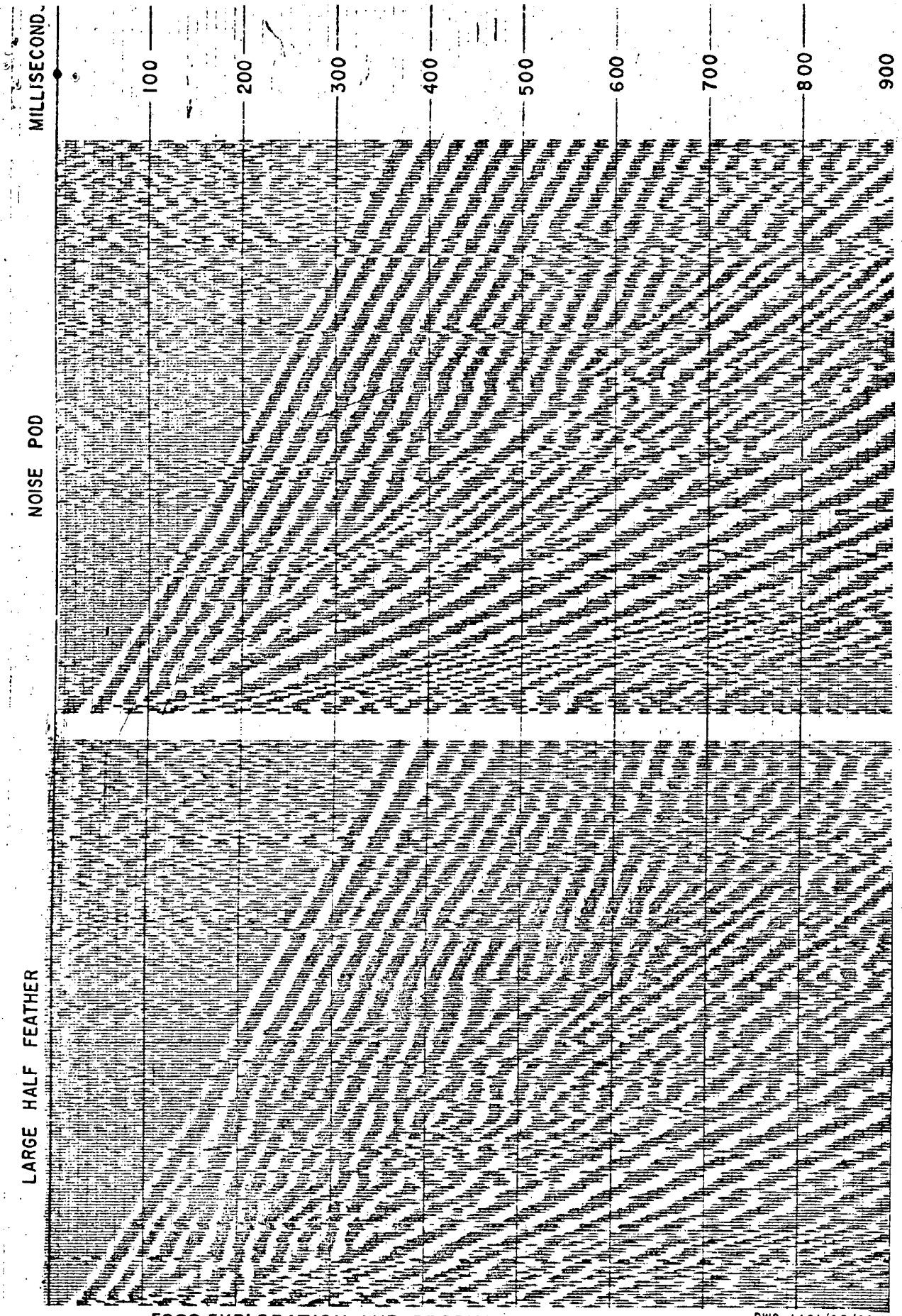
OTWAY BASIN

CENTRE LOADED INLINE - 72 PHONES

TO ACCOMPANY: FINAL SUBSIDY REPORT
071A LAND SEISMIC SURVEY

FIG. 6

DWG 1401/OP/8



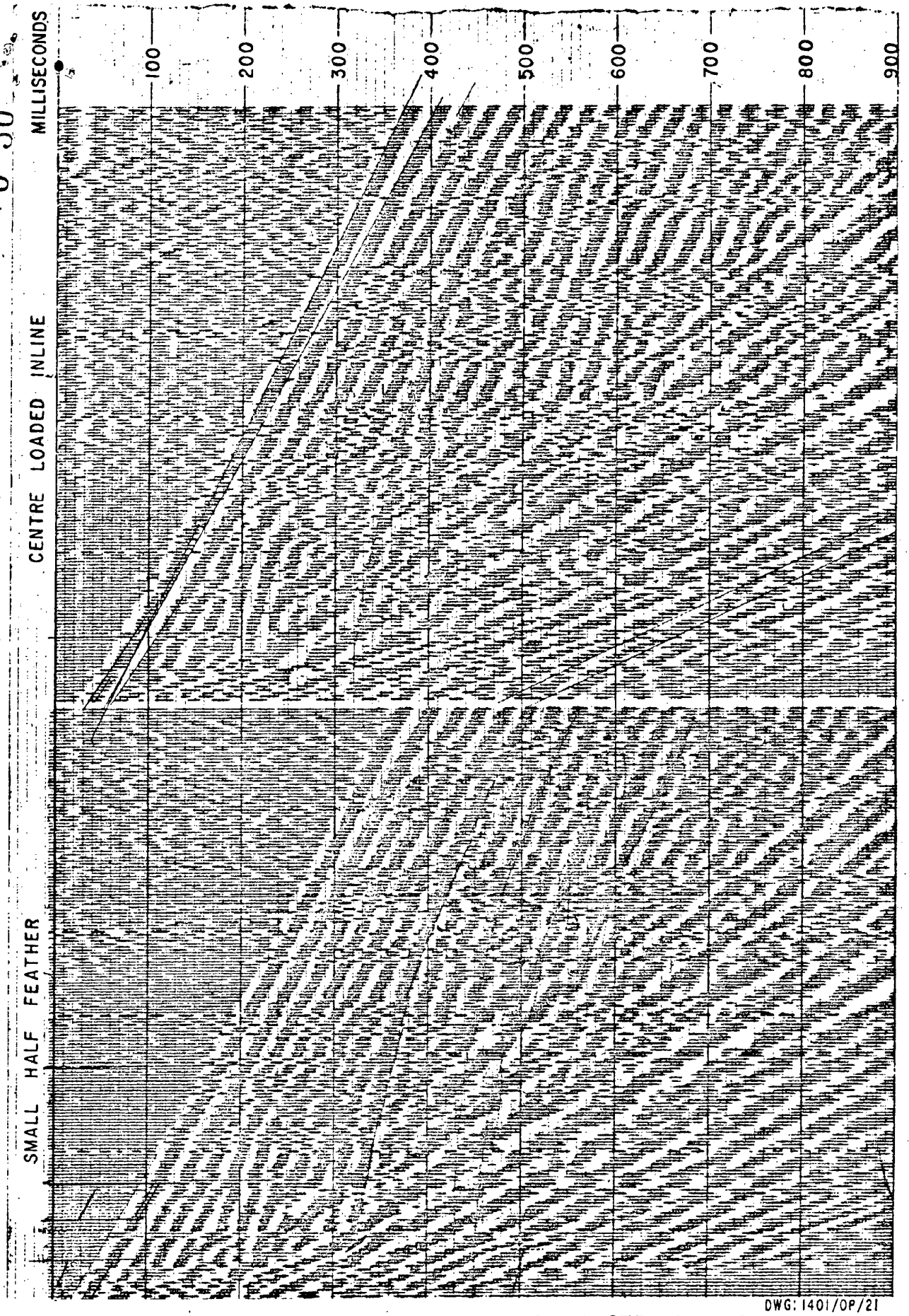
ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC. DWG: 1401/OP/20

OTWAY BASIN

NOISE STUDY - LOCATION 5

TO ACCOMPANY: FINAL SUBSIDY REPORT
O 71A LAND SEISMIC SURVEY

FIG. 7



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

OTWAY BASIN

NOISE STUDY - LOCATION 5

TO ACCOMPANY FINAL SUBSIDY REPORT
O 71 A LAND SEISMIC SURVEY

FIG. 8

071A-1

051

071A

JOB.. ESSO LINE.. 071A-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 10912 TRACE 1

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.216	0.477	0.734
0.200	6700.	6729.	0.200	6529.	1990.	0.741	0.052	0.166	0.427	0.684
1.000	6800.	7200.	0.300	6557.	1999.	0.663	0.037	0.128	0.377	0.634
1.200	7200.	9200.	0.400	6586.	2007.	0.595	0.028	0.102	0.327	0.584
2.000	9000.	11700.	0.500	6614.	2016.	0.536	0.022	0.084	0.285	0.534
2.400	10500.	18000.	0.600	6643.	2025.	0.484	0.019	0.071	0.250	0.484
4.000	13000.	16750.	0.700	6671.	2033.	0.440	0.016	0.061	0.222	0.440
5.000	13700.	16500.	0.800	6700.	2042.	0.401	0.014	0.054	0.198	0.401
0.0	0.	0.	0.900	6750.	2057.	0.365	0.012	0.048	0.178	0.365
0.0	0.	0.	1.000	6800.	2073.	0.334	0.011	0.042	0.160	0.334
0.0	0.	0.	1.100	7000.	2134.	0.295	0.009	0.036	0.140	0.295
0.0	0.	0.	1.200	7200.	2195.	0.261	0.008	0.033	0.122	0.261
0.0	0.	0.	1.400	7650.	2332.	0.205	0.006	0.024	0.094	0.205
0.0	0.	0.	1.600	8100.	2469.	0.163	0.005	0.019	0.074	0.163
0.0	0.	0.	1.800	8550.	2606.	0.132	0.004	0.015	0.060	0.132
0.0	0.	0.	2.000	9000.	2743.	0.108	0.003	0.012	0.048	0.108
0.0	0.	0.	2.200	9750.	2972.	0.084	0.002	0.010	0.038	0.084
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067
0.0	0.	0.	2.700	10969.	3343.	0.055	0.002	0.006	0.025	0.055
0.0	0.	0.	3.000	11438.	3486.	0.046	0.001	0.005	0.020	0.046
0.0	0.	0.	3.500	12219.	3724.	0.034	0.001	0.004	0.015	0.034
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015

COE NO.	MAXIMUM DIST	MAXIMUM NMO	MAXIMUM MUTE	MAXIMUM STAT	INPUT REEL	INPUT FILES - TRACE NUMBERS
14	492	24	50	-24	12	2 12
15	820	60	50	-23	12	1 13 3 11
16	1148	104	50	-23	12	1 14 3 12 4 10
17	1476	148	400	-23	12	1 15 2 13 4 11 5 9
18	1804	192	475	-23	12	1 16 2 14 4 12 5 10 6 8
19	2132	232	550	-23	12	1 17 2 15 3 13 5 11 6 9 7 7
20	2460	276	625	-23	12	1 18 2 16 3 14 5 12 6 10 7 8
					12	1 19 2 17 3 15 4 13

OUTPUT ACE II

0 51

RECEIVED
13 JUL 1973
DEPT. OF MINES
SECURITY

ENV. 1687

JOB.. ESSO LINE.. 0714-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 20012 TRACE 12 24 CDPS TO XT VELO

1-1A
52

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.
0.100	6500.	6500.
0.800	6700.	6729.
1.000	6900.	7200.
1.200	7200.	9200.
2.000	9000.	11700.
2.400	10500.	18000.
4.000	13000.	16750.
5.000	13700.	16500.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.
0.0	0.	0.

TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')
0.100	6500.	1981.	0.828
0.200	6529.	1990.	0.741
0.300	6557.	1999.	0.663
0.400	6586.	2007.	0.595
0.500	6614.	2016.	0.536
0.600	6643.	2025.	0.484
0.700	6671.	2033.	0.440
0.800	6700.	2042.	0.401
0.900	6750.	2057.	0.365
1.000	6800.	2073.	0.334
1.100	7000.	2134.	0.295
1.200	7200.	2195.	0.261
1.400	7650.	2332.	0.205
1.600	8100.	2469.	0.163
1.800	8550.	2606.	0.132
2.000	9000.	2743.	0.109
2.200	9750.	2972.	0.094
2.400	10500.	3200.	0.067
2.700	10969.	3343.	0.055
3.000	11438.	3486.	0.046
3.500	12219.	3724.	0.034
4.000	13000.	3962.	0.027
5.000	13700.	4176.	0.019
5.900	14330.	4368.	0.015

NMO WITH LIMITING FACTOR				
1000'	2000'	4000'	6000'	[illegible]
0.083	0.216	0.477	0.734	.985 1135
0.052	0.166	0.427	0.684	.935
0.037	0.128	0.377	0.634	.885
0.028	0.102	0.327	0.584	.835
0.022	0.084	0.285	0.534	.785
0.019	0.071	0.250	0.484	.735
0.016	0.061	0.222	0.440	.685
0.014	0.054	0.198	0.401	.35
0.012	0.048	0.178	0.365	.85
0.011	0.042	0.160	0.334	.35
0.009	0.036	0.140	0.295	.85
0.008	0.032	0.122	0.261	.435
0.006	0.024	0.094	0.205	0.347
0.005	0.019	0.074	0.163	0.280
0.004	0.015	0.060	0.132	0.229
0.003	0.012	0.049	0.108	0.189
0.002	0.010	0.038	0.084	0.149
0.002	0.008	0.030	0.067	0.118
0.002	0.006	0.025	0.055	0.097
0.001	0.005	0.020	0.046	0.080
0.001	0.004	0.015	0.034	0.061
0.001	0.003	0.012	0.027	0.047
0.001	0.002	0.009	0.019	0.034
0.000	0.002	0.007	0.015	0.026

CDP NO.	MAXIMUM DIST	MAXIMUM NMO	MAXIMUM MUTE	MAXIMUM STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)	OUTP TRACE
49	4100	488	1000	-22	12 13 23 14 21 15 19 16 17 17 15 18 13 20 11 21 9 22 7 23 5 24 3 25 1	12
50	4100	488	1000	-22	12 13 24 14 22 15 20 16 18 17 16 18 14 20 12 21 10 22 8 23 6 24 4 25 2	13
51	4100	488	1000	-22	12 14 23 15 21 16 19 17 17 18 15 19 13 21 11 22 9 23 7 24 5 25 3 26 1	14
52	4100	488	1000	-22	12 14 24 15 22 16 20 17 18 18 16 19 14 21 12 22 10 23 8 24 6 25 4 26 2	15
53	4100	488	1000	-22	12 15 23 16 21 17 19 18 17 19 15 20 13 22 11 23 9 24 7 25 5 26 3 27 1	16
54	4100	484	1000	-22	12 15 24 16 22 17 20 18 18 19 16 20 14 22 12 23 10 24 8 25 6 26 4 27 2	17
55	4100	484	1000	-22	12 16 23 17 21 18 19 19 17 20 15 21 13 23 11 24 9 25 7 26 5 27 3 28 1	18
56	4100	484	1000	-22	12 16 24 17 22 18 20 19 18 20 16 21 14 23 12 24 10 25 8 26 6 27 4 28 2	19
57	4100	484	1000	-22	12 17 23 18 21 19 19 20 17 21 15 22 13 24 11 25 9 26 7 27 5 28 3 29 1	20
58	4100	484	1000	-22	12 17 24 18 22 19 20 20 18 21 16 22 14 24 12 25 10 26 8 27 6 28 4 29 2	21

0 52

1-2A

JOB.. ESSO LINE.. 071A-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 30012 TRACE 12 48 CDPS TO M VELOC

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.383	0.213	0.461	0.710	
0.400	6800.	6900.	0.200	6600.	2012.	0.731	0.051	0.163	0.411	0.560	
1.000	7000.	7133.	0.300	6700.	2042.	0.644	0.035	0.123	0.361	0.610	
1.200	8000.	13000.	0.400	6800.	2073.	0.569	0.026	0.094	0.311	0.560	
1.600	8500.	10400.	0.500	6833.	2083.	0.510	0.021	0.079	0.270	0.510	
2.000	10500.	18100.	0.600	6867.	2093.	0.460	0.017	0.067	0.236	0.460	
2.700	12500.	18214.	0.700	6900.	2103.	0.416	0.015	0.058	0.203	0.416	
4.000	13500.	15577.	0.800	6933.	2113.	0.379	0.013	0.050	0.186	0.379	
5.000	14200.	17000.	0.900	6967.	2123.	0.346	0.011	0.045	0.168	0.346	
0.0	0.	0.	1.000	7000.	2134.	0.317	0.010	0.040	0.152	0.310	
0.0	0.	0.	1.100	7500.	2286.	0.260	0.008	0.032	0.122	0.260	
0.0	0.	0.	1.200	8000.	2438.	0.215	0.006	0.026	0.100	0.215	
0.0	0.	0.	1.400	8300.	2530.	0.176	0.005	0.021	0.081	0.176	
0.0	0.	0.	1.600	8600.	2621.	0.145	0.004	0.017	0.066	0.145	
0.0	0.	0.	1.800	9550.	2911.	0.106	0.003	0.012	0.048	0.106	
0.0	0.	0.	2.000	10500.	3200.	0.080	0.002	0.009	0.036	0.080	
0.0	0.	0.	2.200	11071.	3375.	0.066	0.002	0.007	0.029	0.066	
0.0	0.	0.	2.400	11643.	3549.	0.055	0.002	0.006	0.024	0.055	
0.0	0.	0.	2.700	12500.	3810.	0.042	0.001	0.005	0.019	0.042	
0.0	0.	0.	3.000	12731.	3880.	0.037	0.001	0.004	0.016	0.037	
0.0	0.	0.	3.500	13115.	3998.	0.030	0.001	0.003	0.013	0.030	
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUTPUT TRACE ID
73	4100	472	1000	-22	12 25 23	26 21 27 19 28 17 29 15 30 13 32 11 33 9 34 7 35 5 36 3 37 1	12
74	4100	472	1000	-22	12 25 24	26 22 27 20 28 18 29 16 30 14 32 12 33 10 34 8 35 6 36 4 37 2	13
75	4100	472	1000	-22	12 26 23	27 21 28 19 29 17 30 15 31 13 33 11 34 9 35 7 36 5 37 3 38 1	14
76	4100	472	1000	-22	12 26 24	27 22 28 20 29 18 30 16 31 14 33 12 34 10 35 8 36 6 37 4 38 2	15
77	4100	472	1000	-22	12 27 23	28 21 29 19 30 17 31 15 32 13 34 11 35 9 36 7 37 5 38 3 39 1	16
78	4100	472	1000	-22	12 27 24	28 22 29 20 30 18 31 16 32 14 34 12 35 10 36 8 37 6 38 4 39 2	17
79	4100	472	1000	-22	12 28 23	29 21 30 19 31 17 32 15 33 13 35 11 36 9 37 7 38 5 39 3 40 1	18
80	4100	472	1000	-22	12 28 24	29 22 30 20 31 18 32 16 33 14 35 12 36 10 37 8 38 6 39 4 40 2	19
1	4100	472	1000	-22	12 29 23	30 21 31 19 32 17 33 15 34 13 36 11 37 9 38 7 39 5 40 3 41	

JOB.. ESSO LINE.. 071A-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 50012 TRACE 12 48 CDPS TO ... VELO

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8...
0.100	6300.	6300.	0.100	6300.	1920.	0.858	0.088	0.218	0.460	0.677	0..
0.800	7500.	7671.	0.200	6471.	1972.	0.748	0.053	0.168	0.410	0.627	0..
1.200	7100.	6300.	0.300	6643.	2025.	0.652	0.036	0.125	0.360	0.577	0..
1.600	8000.	10700.	0.400	6814.	2077.	0.567	0.026	0.096	0.310	0.527	0..
2.000	9500.	15500.	0.500	6986.	2129.	0.494	0.020	0.076	0.260	0.477	0..
2.400	10500.	15500.	0.600	7157.	2182.	0.431	0.016	0.062	0.220	0.427	0..
4.000	13000.	16750.	0.700	7329.	2234.	0.377	0.013	0.051	0.188	0.377	0..
5.000	13700.	16500.	0.800	7500.	2286.	0.331	0.011	0.043	0.161	0.331	0..
0.0	0.	0.	0.900	7400.	2256.	0.311	0.010	0.040	0.150	0.311	0..
0.0	0.	0.	1.000	7300.	2225.	0.294	0.009	0.037	0.140	0.294	0..
0.0	0.	0.	1.100	7200.	2195.	0.280	0.009	0.035	0.132	0.280	0..
0.0	0.	0.	1.200	7100.	2164.	0.268	0.008	0.033	0.126	0.268	0..
0.0	0.	0.	1.400	7550.	2301.	0.210	0.006	0.025	0.097	0.210	0..
0.0	0.	0.	1.600	8000.	2438.	0.167	0.005	0.019	0.076	0.167	0..
0.0	0.	0.	1.800	8750.	2667.	0.126	0.004	0.014	0.057	0.126	0..
0.0	0.	0.	2.000	9500.	2896.	0.097	0.003	0.011	0.044	0.097	0..
0.0	0.	0.	2.200	10000.	3048.	0.080	0.002	0.009	0.036	0.080	0..
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0..
0.0	0.	0.	2.700	10969.	3343.	0.055	0.002	0.006	0.025	0.055	0..
0.0	0.	0.	3.000	11438.	3486.	0.046	0.001	0.005	0.020	0.046	0..
0.0	0.	0.	3.500	12219.	3724.	0.034	0.001	0.004	0.015	0.034	0..
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0..
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0..
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0..

0 54

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPU) PACE T
121	4100	472	1000	-22	12 49 23	50 21 51 19 52 17 53 15 54 13 56 11 57 9 58 7 59 5 60 3 61 1	12
122	4100	472	1000	-22	12 49 24	50 22 51 20 52 18 53 16 54 14 56 12 57 10 58 8 59 6 60 4 61 2	13
123	4100	472	1000	-22	12 50 23	51 21 52 19 53 17 54 15 55 13 57 11 58 9 59 7 60 5 61 3 62 1	14
124	4100	472	1000	-22	12 50 24	51 22 52 20 53 18 54 16 55 14 57 12 58 10 59 8 60 6 61 4 62 2	15
125	4100	472	1000	-22	12 51 23	52 21 53 19 54 17 55 15 56 13 58 11 59 9 60 7 61 5 62 3 63 1	16
126	4100	472	1000	-22	12 51 24	52 22 53 20 54 18 55 16 56 14 58 12 59 10 60 8 61 6 62 4 63 2	17
127	4100	472	1000	-22	12 52 23	53 21 54 19 55 17 56 15 57 13 59 11 60 9 61 7 62 5 63 3 64 1	18
128	4100	472	1000	-22	12 52 24	53 22 54 20 55 18 56 16 57 14 59 12 60 10 61 8 62 6 63 4 64 2	19
129	4100	472	1000	-22	12 53 23	54 21 55 19 56 17 57 15 59 13 60 11 61 9 62 7 63 5 64 3 65 1	20

1-4A

JOB.. ESSO LINE.. 071A-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 70012 TRACE 12 48 CDPS TO NE VELOCI

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.213	0.461	0.696	0.8
1.000	7400.	7500.	0.200	6600.	2012.	0.731	0.051	0.163	0.411	0.646	0.8
1.200	8000.	11000.	0.300	6700.	2042.	0.644	0.035	0.123	0.361	0.596	0.8
1.400	9000.	15000.	0.400	6800.	2073.	0.569	0.026	0.096	0.311	0.546	0.7
2.000	11000.	15667.	0.500	6900.	2103.	0.503	0.021	0.078	0.266	0.496	0.7
2.700	12000.	14857.	0.600	7000.	2134.	0.446	0.017	0.065	0.229	0.446	0.6
4.000	13500.	16615.	0.700	7100.	2164.	0.397	0.014	0.055	0.199	0.397	0.6
5.000	14200.	17000.	0.800	7200.	2195.	0.355	0.012	0.047	0.174	0.355	0.5
0.0	0.	0.	0.900	7300.	2225.	0.319	0.010	0.041	0.154	0.319	0.5
0.0	0.	0.	1.000	7400.	2256.	0.287	0.009	0.035	0.137	0.287	0.4
0.0	0.	0.	1.100	7700.	2347.	0.248	0.008	0.030	0.116	0.248	0.4
0.0	0.	0.	1.200	8000.	2438.	0.215	0.006	0.026	0.100	0.215	0.3
0.0	0.	0.	1.400	9000.	2743.	0.151	0.004	0.018	0.069	0.151	0.2
0.0	0.	0.	1.600	9667.	2946.	0.116	0.003	0.013	0.053	0.116	0.2
0.0	0.	0.	1.800	10333.	3150.	0.091	0.003	0.010	0.041	0.091	0.1
0.0	0.	0.	2.000	11000.	3353.	0.073	0.002	0.008	0.033	0.073	0.1
0.0	0.	0.	2.200	11286.	3440.	0.063	0.002	0.007	0.028	0.063	0.1
0.0	0.	0.	2.400	11571.	3527.	0.055	0.002	0.006	0.025	0.055	0.0
0.0	0.	0.	2.700	12000.	3658.	0.046	0.001	0.005	0.020	0.046	0.0
0.0	0.	0.	3.000	12346.	3763.	0.039	0.001	0.004	0.017	0.039	0.0
0.0	0.	0.	3.500	12923.	3939.	0.031	0.001	0.003	0.014	0.031	0.0
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.0
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.0
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.0

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUTPUT SCE ID
169	4100	472	1000	-19	12 73 23	74 21 75 19 76 17 77 15 78 13 80 11 81 9 82 7 83 5 84 3 85 1	12
170	4100	472	1000	-19	12 73 24	74 22 75 20 76 18 77 16 78 14 80 12 81 10 82 8 83 6 84 4 85 2	13
171	4100	472	1000	-19	12 74 23	75 21 76 19 77 17 78 15 79 13 81 11 82 9 83 7 84 5 85 3 86 1	14
172	4100	476	1000	-19	12 74 24	75 22 76 20 77 18 78 16 79 14 81 12 82 10 83 8 84 6 85 4 86 2	15
173	4100	476	1000	-19	12 75 23	76 21 77 19 78 17 79 15 80 13 82 11 83 9 84 7 85 5 86 3 87 1	16
174	4100	476	1000	-19	12 75 24	76 22 77 20 78 18 79 16 80 14 82 12 83 10 84 8 85 6 86 4 87 2	17
175	4100	476	1000	-19	12 76 23	77 21 78 19 79 17 80 15 81 13 83 11 84 9 85 7 86 5 87 3 88 1	18
176	4100	476	1000	-18	12 76 24	77 22 78 20 79 18 80 16 81 14 83 12 84 10 85 8 86 6 87 4 88 2	19
[illegible]	4100	476	1000	-19	12 77 23	78 21 79 19 80 17 81 15 83 13 84 11 85 9 86 7 87 5 88 3 89 1	[illegible]

15A

JOB.. ESSO LINE.. 071A-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 90012 TRACE 12 48 CDPS T... T VELO

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INT.VEL. (INPUT)	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8...
0.100	6300. 6300.	0.100	6300.	1920.	0.858	0.088	0.223	0.486	0.737	0..
0.800	6700. 6757.	0.200	6357.	1938.	0.765	0.054	0.173	0.436	0.687	0..
1.000	7400. 10200.	0.300	6414.	1955.	0.682	0.038	0.133	0.386	0.637	0..
1.200	8400. 13400.	0.400	6471.	1972.	0.610	0.029	0.105	0.336	0.587	0..
1.600	10000. 14800.	0.500	6529.	1990.	0.546	0.023	0.086	0.291	0.537	0..
2.000	10600. 13000.	0.600	6586.	2007.	0.491	0.019	0.072	0.254	0.497	0..
4.000	13000. 15400.	0.700	6643.	2025.	0.443	0.016	0.062	0.223	0.437	0..
5.000	13700. 16500.	0.800	6700.	2042.	0.401	0.014	0.054	0.198	0.387	0..
0.0	0. 0.	0.900	7050.	2149.	0.339	0.011	0.044	0.164	0.337	0..
0.0	0. 0.	1.000	7400.	2256.	0.287	0.009	0.036	0.137	0.287	0..
0.0	0. 0.	1.100	7900.	2408.	0.237	0.007	0.030	0.111	0.237	0..
0.0	0. 0.	1.200	8400.	2560.	0.196	0.006	0.023	0.091	0.196	0..
0.0	0. 0.	1.400	9200.	2804.	0.144	0.004	0.017	0.066	0.144	0..
0.0	0. 0.	1.600	10000.	3048.	0.109	0.003	0.012	0.049	0.109	0..
0.0	0. 0.	1.800	10300.	3139.	0.092	0.003	0.010	0.041	0.092	0..
0.0	0. 0.	2.000	10600.	3231.	0.079	0.002	0.009	0.035	0.079	0..
0.0	0. 0.	2.200	10840.	3304.	0.069	0.002	0.008	0.031	0.069	0..
0.0	0. 0.	2.400	11080.	3377.	0.060	0.002	0.007	0.027	0.060	0..
0.0	0. 0.	2.700	11440.	3487.	0.050	0.001	0.006	0.023	0.050	0..
0.0	0. 0.	3.000	11800.	3597.	0.043	0.001	0.005	0.019	0.043	0..
0.0	0. 0.	3.500	12400.	3780.	0.033	0.001	0.004	0.015	0.033	0..
0.0	0. 0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0..
0.0	0. 0.	5.000	13700.	4176.	0.019	0.001	0.002	0....	0.019	0..
0.0	0. 0.	5.900	14330.	4368.	0.015	0.000	0.002	0....	0.015	0..

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUTPUT TRACE
217	4100	500	1000	-18	12 97 23	98 21 99 19 0 17 1 15 2 13 4 11 5 9 6 7 7 5 8 3 9 1	12
218	4100	496	1000	-18	12 97 24	98 22 99 20 0 18 1 16 2 14 4 12 5 10 6 8 7 6 8 4 9 2	13
219	4100	496	1000	-18	12 98 23	99 21 0 19 1 17 2 15 3 13 5 11 6 9 7 7 8 5 9 3 10 1	14
220	4100	496	1000	-19	12 98 24	99 22 0 20 1 18 2 16 3 14 5 12 6 10 7 8 8 6 9 4 10 2	15
221	4100	496	1000	-19	12 99 23	0 21 1 19 2 17 3 15 4 13 6 11 7 9 8 7 9 5 10 3 11 1	16
222	4100	496	1000	-19	13 99 24	0 22 1 20 2 18 3 16 4 14 6 12 7 10 8 8 9 6 10 4 11 2	17
223	4100	492	1000	-19	13 0 23	1 21 2 19 3 17 4 15 5 13 7 11 8 9 9 7 10 5 11 3 12 1	18
224	4100	492	1000	-19	13 0 24	1 22 2 20 3 18 4 16 5 14 7 12 8 10 9 8 10 6 11 4 12 2	19
[illegible]	4100	492	1000	-19	13 1 23	2 21 3 19 4 17 5 15 6 13 8 11 9 9 10 7 11 5 12 3 13 1	[illegible]

JOB.. ESSO LINE.. D71A-1 BEGIN VELOCITY FUNCTIONS AT STACK ID 110012 TRACE 12 0 CDPS TO ME VELOCI

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.211	0.451	0.682	0.82
0.500	7100.	7250.	0.200	6650.	2027.	0.724	0.050	0.161	0.401	0.632	0.87
1.100	7200.	7283.	0.300	6800.	2073.	0.632	0.034	0.120	0.351	0.582	0.82
1.600	7800.	9120.	0.400	6950.	2118.	0.551	0.025	0.093	0.301	0.532	0.77
2.000	9500.	16300.	0.500	7100.	2164.	0.482	0.019	0.074	0.253	0.482	0.73
2.400	10500.	15500.	0.600	7117.	2169.	0.435	0.016	0.063	0.222	0.435	0.67
4.000	13000.	16750.	0.700	7133.	2174.	0.394	0.014	0.054	0.197	0.394	0.63
5.000	13700.	16500.	0.800	7150.	2179.	0.359	0.012	0.047	0.176	0.359	0.57
0.0	0.	0.	0.900	7167.	2184.	0.329	0.011	0.042	0.159	0.329	0.53
0.0	0.	0.	1.000	7183.	2189.	0.303	0.010	0.038	0.145	0.303	0.49
0.0	0.	0.	1.100	7200.	2195.	0.280	0.009	0.035	0.132	0.280	0.45
0.0	0.	0.	1.200	7320.	2231.	0.253	0.008	0.031	0.119	0.253	0.42
0.0	0.	0.	1.400	7560.	2304.	0.209	0.006	0.025	0.097	0.209	0.35
0.0	0.	0.	1.600	7800.	2377.	0.175	0.005	0.020	0.080	0.175	0.30
0.0	0.	0.	1.800	8650.	2637.	0.129	0.004	0.015	0.058	0.129	0.23
0.0	0.	0.	2.000	9500.	2896.	0.097	0.003	0.011	0.044	0.097	0.17
0.0	0.	0.	2.200	10000.	3048.	0.080	0.002	0.009	0.036	0.080	0.14
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.11
0.0	0.	0.	2.700	10969.	3343.	0.055	0.002	0.006	0.025	0.055	0.09
0.0	0.	0.	3.000	11438.	3486.	0.046	0.001	0.005	0.020	0.046	0.08
0.0	0.	0.	3.500	12219.	3724.	0.034	0.001	0.004	0.015	0.034	0.06
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.04
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.03
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.03

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CDP NO.	..(MAXIMUM).. DIST	NMO	MUTE	STAT	INPUT REEL ..(INPUT FILES - TRACE NUMBERS)..	OUTPUT ACE
265	4100	460	1000	-20	13 21 23 22 21 23 19 24 17 25 15 26 13 28 11 29 9 30 7 31 5 32 3 33 1	12
266	4100	460	1000	-20	13 21 24 22 22 23 20 24 18 25 16 26 14 29 12 29 10 30 8 31 6 32 4 33 2	13
267	4100	460	1000	-20	13 22 23 23 21 24 19 25 17 26 15 27 13 29 11 30 9 31 7 32 5 33 3 34 1	14
268	4100	460	1000	-20	13 22 24 23 22 24 20 25 18 26 16 27 14 29 12 30 10 31 8 32 6 33 4 34 2	15
269	4100	460	1000	-20	13 23 23 24 21 25 19 26 17 27 15 28 13 30 11 31 9 32 7 33 5 34 3 35 1	16
270	4100	460	1000	-20	13 23 24 24 22 25 20 26 18 27 16 28 14 30 12 31 10 32 8 33 6 34 4 35 2	17
271	4100	460	1000	-20	13 24 23 25 21 26 19 27 17 28 15 29 13 31 11 32 9 33 7 34 5 35 3 36 1	18
272	4100	460	1000	-20	13 24 24 25 22 26 20 27 18 28 16 29 14 31 12 32 10 33 9 34 6 35 4 36 2	19
[illegible]	4100	460	1000	-20	13 25 23 26 21 27 19 28 17 29 15 [illegible]	[illegible]

071A-2--1.

JOB.. ESSO TIME.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 10001; TRACE 1 11 CDPS TO NEX

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	6400.	6400.	0.100	6400.	1951.	0.843	0.086	0.221	0.442	0.642	0.851
0.600	7600.	8200.	0.200	6400.	1951.	0.759	0.054	0.171	0.392	0.592	0.801
1.200	8200.	8800.	0.300	6700.	2042.	0.644	0.035	0.123	0.342	0.542	0.751
1.400	8400.	9600.	0.400	7000.	2134.	0.546	0.025	0.092	0.292	0.492	0.701
1.800	9000.	11100.	0.500	7300.	2225.	0.462	0.018	0.070	0.242	0.442	0.651
2.000	10000.	10000.	0.600	7600.	2316.	0.392	0.014	0.055	0.199	0.392	0.601
2.400	11500.	19000.	0.700	7700.	2347.	0.347	0.012	0.047	0.172	0.347	0.551
4.000	13500.	14500.	0.800	7800.	2377.	0.310	0.010	0.040	0.150	0.310	0.501
5.000	14200.	17000.	0.900	7900.	2408.	0.278	0.009	0.035	0.133	0.278	0.456
0.0	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.414
0.0	0.	0.	1.100	8100.	2469.	0.226	0.007	0.027	0.106	0.226	0.376
0.0	0.	0.	1.200	8200.	2499.	0.205	0.006	0.025	0.095	0.235	0.342
0.0	0.	0.	1.400	8400.	2560.	0.172	0.005	0.020	0.079	0.172	0.283
0.0	0.	0.	1.600	8700.	2652.	0.142	0.004	0.016	0.065	0.142	0.245
0.0	0.	0.	1.800	9000.	2743.	0.119	0.003	0.014	0.054	0.119	0.209
0.0	0.	0.	2.000	10000.	3048.	0.098	0.002	0.010	0.040	0.098	0.154
0.0	0.	0.	2.200	10750.	3277.	0.070	0.002	0.008	0.031	0.070	0.122
0.0	0.	0.	2.400	11500.	3505.	0.056	0.002	0.006	0.025	0.056	0.099
0.0	0.	0.	2.700	11875.	3620.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.000	12250.	3734.	0.040	0.001	0.004	0.018	0.040	0.070
0.0	0.	0.	3.500	12875.	3924.	0.031	0.001	0.003	0.014	0.031	0.055
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
5	2624	292	750	-38	1 1 5	
6	2952	332	837	-40	1 1 6	2 5
7	3280	364	925	-38	1 1 7	2 6 3 3
8	3608	400	1012	-38	1 1 8	2 7 3 4 4 3
9	3936	436	1100	-38	1 1 9	2 8 3 5 4 4 5 1
10	2608	400	1012	-38	1 1 10	2 9 3 6 4 5 5 2
11	3280	364	925	-38	1 1 11	2 10 3 7 4 6 5 3
12	[illegible]	[illegible]	[illegible]	-38	1 1 12	2 11 3 8 4 7 5 4

JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 20001 TRACE 12 24 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	6600.	6600.	0.100	6600.	2012.	0.815	0.082	0.213	0.466	0.710	0.909
0.800	7000.	7133.	0.200	6600.	2012.	0.731	0.051	0.163	0.416	0.660	0.859
1.200	8000.	10000.	0.300	6667.	2032.	0.649	0.035	0.124	0.366	0.610	0.808
1.400	9800.	13600.	0.400	6733.	2052.	0.577	0.027	0.098	0.316	0.560	0.758
2.200	10000.	12100.	0.500	6800.	2073.	0.514	0.021	0.080	0.272	0.510	0.709
4.000	12500.	15556.	0.600	6867.	2093.	0.460	0.017	0.067	0.236	0.460	0.653
5.000	13200.	16000.	0.700	6933.	2113.	0.413	0.015	0.057	0.207	0.413	0.609
0.0	0.	0.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.372	0.559
0.0	0.	0.	0.900	7250.	2210.	0.333	0.011	0.041	0.156	0.323	0.503
0.0	0.	0.	1.000	7500.	2286.	0.281	0.009	0.035	0.133	0.281	0.459
0.0	0.	0.	1.100	7750.	2362.	0.245	0.008	0.030	0.115	0.245	0.409
0.0	0.	0.	1.200	8000.	2438.	0.215	0.006	0.026	0.100	0.215	0.362
0.0	0.	0.	1.400	8800.	2682.	0.157	0.005	0.018	0.072	0.157	0.269
0.0	0.	0.	1.600	9100.	2774.	0.131	0.004	0.015	0.059	0.131	0.225
0.0	0.	0.	1.800	9400.	2865.	0.110	0.003	0.013	0.050	0.110	0.191
0.0	0.	0.	2.000	9700.	2957.	0.093	0.003	0.011	0.042	0.093	0.163
0.0	0.	0.	2.200	10000.	3048.	0.080	0.002	0.009	0.036	0.080	0.141
0.0	0.	0.	2.400	10278.	3133.	0.070	0.002	0.008	0.031	0.070	0.123
0.0	0.	0.	2.700	10694.	3260.	0.058	0.002	0.006	0.026	0.058	0.102
0.0	0.	0.	3.000	11111.	3387.	0.048	0.001	0.005	0.022	0.048	0.085
0.0	0.	0.	3.500	11806.	3598.	0.037	0.001	0.004	0.016	0.037	0.065
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	0.051
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	0.037
0.0	0.	0.	5.900	13830.	4215.	0.016	0.000	0.002	0.007	0.016	0.028

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)															
40	3608	416	1012	-39	1	8 22	9 21	10 18	11 17	12 14	13 13	14 12	15 11	16 8	17 7	18 4	19				
41	3936	456	1100	-37	1	8 23	9 22	10 19	11 18	12 15	13 14	15 12	16 9	17 8	18 5	19 4	20				
42	4264	492	1187	-39	1	8 24	9 23	10 20	11 19	12 16	13 15	16 10	17 9	18 6	19 5	20 2	21				
43	3936	448	1100	-40	1	9 24	10 21	11 20	12 17	13 16	14 13	16 11	17 10	18 7	19 6	20 3					
44	3608	408	1012	-39	1	10 22	11 21	12 18	13 17	14 14	15 13	16 12	17 11	18 8	19 7	20 4					
45	3936	444	1100	-40	1	10 23	11 22	12 19	13 18	14 15	15 14	17 12	18 9	19 8	20 5	21					
46	4264	480	1187	-39	1	10 24	11 23	12 20	13 19	14 16	15 15	19 10	19 9	20 6	21 5						
47	3936	440	1100	-40	1	11 24	12 21	13 20	14 17	15 16	16 13	18 11	19 10	20 7	21						
48	3608	400	1012	-39	1	12 22	13 21	14 18	15 17	16 14	17 15	18 12	19 11	20 8							

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JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 30001 TRACE 12 24 CDPs IN

TWO-WAY TIME	AVG.VEL. FEET/SEC (INPUT)	INT.VEL. FEET/SEC (INPUT)	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.132	0.402	0.589	0.735
0.600	8200.	8950.	0.200	7000.	2134.	0.680	0.046	0.149	0.358	0.539	0.735
0.800	8400.	8700.	0.300	7325.	2233.	0.572	0.030	0.106	0.308	0.489	0.685
1.200	8500.	8700.	0.400	7550.	2302.	0.489	0.021	0.078	0.259	0.439	0.635
1.600	8700.	9300.	0.500	7975.	2431.	0.403	0.015	0.059	0.208	0.389	0.585
2.000	10000.	15200.	0.600	8300.	2530.	0.339	0.012	0.047	0.170	0.339	0.536
3.000	11500.	14500.	0.700	8350.	2545.	0.303	0.010	0.040	0.148	0.303	0.487
4.000	12500.	15500.	0.800	8400.	2560.	0.272	0.009	0.035	0.131	0.272	0.444
5.000	13200.	16000.	0.900	8425.	2568.	0.248	0.008	0.031	0.118	0.248	0.408
0.0	0.	0.	1.000	8450.	2576.	0.226	0.007	0.028	0.106	0.226	0.377
0.0	0.	0.	1.100	8475.	2583.	0.208	0.006	0.025	0.097	0.208	0.349
0.0	0.	0.	1.200	8500.	2591.	0.192	0.006	0.023	0.089	0.192	0.325
0.0	0.	0.	1.400	8600.	2621.	0.164	0.005	0.019	0.075	0.164	0.281
0.0	0.	0.	1.600	8700.	2652.	0.142	0.004	0.016	0.065	0.142	0.245
0.0	0.	0.	1.800	9350.	2850.	0.111	0.003	0.013	0.050	0.111	0.193
0.0	0.	0.	2.000	10000.	3048.	0.088	0.002	0.010	0.040	0.088	0.154
0.0	0.	0.	2.200	10300.	3139.	0.076	0.002	0.009	0.034	0.076	0.133
0.0	0.	0.	2.400	10600.	3231.	0.066	0.002	0.007	0.029	0.066	0.116
0.0	0.	0.	2.700	11050.	3368.	0.054	0.002	0.006	0.024	0.054	0.095
0.0	0.	0.	3.000	11500.	3505.	0.045	0.001	0.005	0.020	0.045	0.080
0.0	0.	0.	3.500	12000.	3658.	0.036	0.001	0.004	0.016	0.036	0.063
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	0.051
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	0.037
0.0	0.	0.	5.900	13830.	4215.	0.016	0.000	0.002	0.007	0.016	0.028

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
64	3608	368	1012	-34	1	20 22 21 21 22 18 23 17 24 14 25 13 26 12 27 11 28 8 29 7 30 4 31 3
65	3936	400	1100	-34	1	20 23 21 22 22 19 23 18 24 15 25 14 27 12 28 9 29 8 30 5 31 4 32 1
66	4264	432	1187	-34	1	20 24 21 23 22 20 23 19 24 16 25 15 28 10 29 9 30 6 31 5 32 2 33 1
67	3936	404	1100	-34	1	21 24 22 21 23 20 24 17 25 16 26 13 28 11 29 10 30 7 31 6 32 3 33 2
68	3608	372	1012	-34	1	22 22 23 21 24 18 25 17 26 14 27 13 28 12 29 11 30 8 31 7 32 4 33 3
69	3936	404	1100	-34	1	22 23 23 22 24 19 25 18 26 15 27 14 29 12 30 9 31 8 32 5 33 4 34 1
70	4264	436	1187	-34	1	22 24 23 23 24 20 25 19 26 16 27 15 30 10 31 9 32 6 33 5 34 2 35 1
71	3936	408	1100	-34	1	23 24 24 21 25 20 27 17 28 14 29 13 30 11 31 10 32 7

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JOB.. ESSO LINE.. 0714-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 40001 TRACE 12 24 CDPS TO EXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.428	0.642	0.858
0.600	7600.	7900.	0.200	7000.	2134.	0.690	0.046	0.149	0.378	0.592	0.809
1.400	8000.	8300.	0.300	7150.	2179.	0.591	0.031	0.110	0.328	0.542	0.754
1.800	9400.	14300.	0.400	7300.	2225.	0.514	0.023	0.085	0.278	0.492	0.708
2.200	11500.	20950.	0.500	7450.	2271.	0.448	0.018	0.068	0.234	0.442	0.658
3.000	13000.	17125.	0.600	7600.	2316.	0.392	0.014	0.055	0.198	0.392	0.608
4.000	14000.	17000.	0.700	7650.	2332.	0.351	0.012	0.047	0.174	0.351	0.559
5.000	14700.	17500.	0.800	7700.	2347.	0.317	0.010	0.041	0.154	0.317	0.511
0.0	0.	0.	0.900	7750.	2362.	0.287	0.009	0.036	0.137	0.287	0.470
0.0	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.432
0.0	0.	0.	1.100	7850.	2393.	0.239	0.007	0.029	0.112	0.239	0.400
0.0	0.	0.	1.200	7900.	2408.	0.220	0.007	0.026	0.102	0.220	0.370
0.0	0.	0.	1.400	8000.	2438.	0.188	0.006	0.022	0.087	0.188	0.320
0.0	0.	0.	1.600	8700.	2652.	0.142	0.004	0.016	0.065	0.142	0.245
0.0	0.	0.	1.800	9400.	2865.	0.110	0.003	0.013	0.050	0.110	0.191
0.0	0.	0.	2.000	10450.	3185.	0.081	0.002	0.009	0.036	0.081	0.142
0.0	0.	0.	2.200	11500.	3505.	0.061	0.002	0.007	0.027	0.061	0.107
0.0	0.	0.	2.400	11875.	3620.	0.053	0.001	0.006	0.024	0.053	0.093
0.0	0.	0.	2.700	12437.	3791.	0.043	0.001	0.005	0.019	0.043	0.076
0.0	0.	0.	3.000	13000.	3962.	0.035	0.001	0.004	0.016	0.035	0.062
0.0	0.	0.	3.500	13500.	4115.	0.028	0.001	0.003	0.013	0.028	0.050
0.0	0.	0.	4.000	14000.	4267.	0.023	0.001	0.003	0.010	0.023	0.041
0.0	0.	0.	5.000	14700.	4481.	0.017	0.000	0.002	0.007	0.017	0.030
0.0	0.	0.	5.900	15330.	4673.	0.013	0.000	0.001	0.006	0.013	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)
88	3608	384	1012	-33	1 32 22 33 21 34 18 35 17 36 14 37 13 38 12 39 11 40 8 41 7 42 4 43 3
89	3936	420	1100	-33	1 32 23 33 22 34 19 35 18 36 15 37 14 39 12 40 9 41 8 42 5 43 4 44 1
90	4264	456	1187	-33	1 32 24 33 23 34 20 35 19 36 16 37 15 40 10 41 9 42 6 43 5 44 2 45 1
91	3936	420	1100	-33	1 33 24 34 21 35 20 36 17 37 16 38 13 40 11 41 10 42 7 43 6 44 3 45 2
92	3608	384	1012	-33	1 34 22 35 21 36 18 37 17 38 14 39 13 40 12 41 11 42 8 43 7 44 4 45 3
93	3936	420	1100	-33	1 34 23 35 22 36 19 37 18 38 15 39 14 41 12 42 9 43 8 44 5 45 4 46 1
94	4264	456	1187	-33	1 34 24 35 23 36 20 37 19 38 16 39 15 42 10 43 9 44 6 45 5 46 2 47 1
95	3936	420	1100	-33	1 35 24 36 21 37 20 38 17 39 16 40 13 42 11 43 10 44 7 45 6 46 3 47 2
96	3608	384	1012	-33	1 36 22 37 21 38 18 39 17 40 14 41 13 42 12 43 11 44 8 45 7 44 4 47 3

0 64

JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 50001 TRACE 12 24 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.139	0.425	0.633	0.846
0.600	7700.	9050.	0.200	7000.	2134.	0.680	0.046	0.149	0.375	0.583	0.795
1.400	8200.	8575.	0.300	7175.	2187.	0.598	0.031	0.110	0.325	0.533	0.746
1.800	9000.	11800.	0.400	7350.	2240.	0.509	0.023	0.084	0.275	0.483	0.696
2.400	10500.	15000.	0.500	7525.	2294.	0.441	0.017	0.066	0.230	0.433	0.646
4.000	12500.	15500.	0.600	7700.	2347.	0.383	0.014	0.054	0.194	0.383	0.596
5.000	13200.	16000.	0.700	7763.	2366.	0.343	0.012	0.046	0.169	0.343	0.546
0.0	0.	0.	0.800	7825.	2385.	0.308	0.010	0.040	0.149	0.308	0.498
0.0	0.	0.	0.900	7888.	2404.	0.278	0.009	0.035	0.133	0.278	0.456
0.0	0.	0.	1.000	7950.	2423.	0.253	0.008	0.031	0.119	0.253	0.419
0.0	0.	0.	1.100	8012.	2442.	0.231	0.007	0.028	0.108	0.231	0.386
0.0	0.	0.	1.200	8075.	2461.	0.211	0.006	0.025	0.098	0.211	0.356
0.0	0.	0.	1.400	8200.	2499.	0.180	0.005	0.021	0.083	0.180	0.305
0.0	0.	0.	1.600	8600.	2621.	0.145	0.004	0.017	0.066	0.145	0.251
0.0	0.	0.	1.800	9000.	2743.	0.119	0.003	0.014	0.054	0.119	0.208
0.0	0.	0.	2.000	9500.	2896.	0.097	0.003	0.011	0.044	0.097	0.170
0.0	0.	0.	2.200	10000.	3048.	0.080	0.002	0.009	0.036	0.080	0.141
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.700	10875.	3315.	0.056	0.002	0.006	0.025	0.056	0.098
0.0	0.	0.	3.000	11250.	3429.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.500	11875.	3620.	0.036	0.001	0.004	0.016	0.036	0.064
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	0.051
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	0.037
0.0	0.	0.	5.900	13830.	4215.	0.016	0.000	0.002	0.007	0.016	0.028

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
112	3608	384	1012	-32	1	44 22 45 21 46 18 47 17 48 14 49 13 50 12 51 11 52 8 53 7 54 4 55
113	3936	420	1100	-32	1	44 23 45 22 46 19 47 18 48 15 49 14 51 12 52 9 53 8 54 5 55 4 56
114	4264	456	1187	-32	1	44 24 45 23 46 20 47 19 48 16 49 15 52 10 53 9 54 6 55 5 56 2 57
115	3936	420	1100	-32	1	45 24 46 21 47 20 48 17 49 16 50 13 52 11 53 10 54 7 55 6 56 3 57
116	3608	384	1012	-32	1	46 22 47 21 48 18 49 17 50 14 51 13 52 12 53 11 54 8 55 7 56 4 57
117	3936	420	1100	-32	1	46 23 47 22 48 19 49 18 50 15 51 14 53 12 54 9 55 8 56 5 57 4
118	4264	456	1187	-32	1	46 24 47 23 48 20 49 19 50 16 51 15 54 10 55 9 56 6 57 5
119	3936	420	1100	-32	1	47 24 48 21 49 20 50 17 51 16 53 13 54 11 55 10 56 7

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JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 60001 TRACE 12 24 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. --	INT.VEL. FEET/SEC --	TWO-WAY TIME	AVG.VEL. FT/SEC	AVG.VEL. M/SEC	NMO	---------- NMO WITH LIMITING FACTOR ----------				
.... (INPUT)		....	.... (APPLIED)		....	(6000')	1000'	2000'	4000'	6000'	8000'
0.200	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.217	0.440	0.615	0.765
0.600	7600.	8150.	0.200	6500.	1981.	0.744	0.052	0.167	0.390	0.565	0.715
0.900	9000.	11800.	0.300	6775.	2065.	0.635	0.034	0.121	0.340	0.515	0.665
1.400	10500.	13200.	0.400	7050.	2149.	0.540	0.024	0.090	0.290	0.465	0.615
1.600	11000.	14500.	0.500	7325.	2233.	0.460	0.018	0.070	0.240	0.415	0.565
4.000	13500.	15167.	0.600	7600.	2316.	0.392	0.014	0.055	0.198	0.365	0.515
5.000	14200.	17000.	0.700	8067.	2459.	0.321	0.011	0.043	0.158	0.315	0.465
0.0	0.	0.	0.800	8533.	2601.	0.265	0.009	0.034	0.127	0.265	0.415
0.0	0.	0.	0.900	9000.	2743.	0.220	0.007	0.027	0.104	0.220	0.365
0.0	0.	0.	1.000	9300.	2835.	0.190	0.006	0.023	0.089	0.190	0.319
0.0	0.	0.	1.100	9600.	2926.	0.165	0.005	0.020	0.076	0.165	0.290
0.0	0.	0.	1.200	9900.	3018.	0.144	0.004	0.017	0.066	0.144	0.247
0.0	0.	0.	1.400	10500.	3200.	0.112	0.003	0.013	0.051	0.112	0.194
0.0	0.	0.	1.600	11000.	3353.	0.090	0.003	0.010	0.041	0.090	0.158
0.0	0.	0.	1.800	11208.	3416.	0.078	0.002	0.009	0.035	0.078	0.136
0.0	0.	0.	2.000	11417.	3480.	0.068	0.002	0.008	0.030	0.068	0.119
0.0	0.	0.	2.200	11625.	3543.	0.060	0.002	0.007	0.027	0.060	0.105
0.0	0.	0.	2.400	11833.	3607.	0.053	0.001	0.006	0.024	0.053	0.093
0.0	0.	0.	2.700	12146.	3702.	0.045	0.001	0.005	0.020	0.045	0.079
0.0	0.	0.	3.000	12458.	3797.	0.038	0.001	0.004	0.017	0.038	0.068
0.0	0.	0.	3.500	12979.	3956.	0.030	0.001	0.003	0.014	0.030	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	.....(MAXIMUM) DIST	NMO	MUTE	..... STAT	INPUT REEL	..........................(INPUT FILES - TRACE NUMBERS).........................											
136	3609	400	1012	-31	1	56 22	57 21	58 18	59 17	60 14	61 13	62 12	63 11	64 8	65 7	66 4	67 3
137	3936	432	1100	-30	1	56 23	57 22	58 19	59 18	60 15	61 14	63 12	64 9	65 8	66 5	67 4	68 1
138	4264	468	1187	-30	1	56 24	57 23	58 20	59 19	60 16	61 15	64 10	65 9	66 6	67 5	68 2	69 1
139	3936	432	1100	-30	1	57 24	58 21	59 20	60 17	61 16	62 13	64 11	65 10	66 7	67 6	68 3	69 2
140	3609	396	1012	-30	1	58 22	59 21	60 18	61 17	62 14	63 13	64 12	65 11	66 8	67 7	68 4	69 3
141	3936	432	1100	-30	1	58 23	59 22	60 19	61 18	62 15	63 14	65 12	66 9	67 8	68 5	69 4	70 1
142	4264	464	1187	-30	1	58 24	59 23	60 20	61 19	62 16	63 15	66 10	67 9	68 6	69 5	70 2	71 1
143	3936	432	1100	-29	1	59 24	60 21	61 20	62 17	63 16	64 13	66 11	67 10	68 7	69 6	70 3	71 2
144	3609	396	1012	-30	1	60 22	61 21	62 18	63 17	64 14	65 13	66 12	67 11	68 8	69 7	70 4	[illegible]

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JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 70001 TRACE 12 24 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INT.VEL. (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.431	0.650	0.843
0.600	7500.	7750.	0.200	7000.	2134.	0.680	0.046	0.149	0.381	0.600	0.793
1.000	7800.	8250.	0.300	7125.	2172.	0.594	0.031	0.111	0.331	0.550	0.743
1.200	9000.	15000.	0.400	7250.	2210.	0.519	0.023	0.086	0.281	0.500	0.693
1.600	11000.	17000.	0.500	7375.	2248.	0.455	0.018	0.069	0.239	0.450	0.643
2.200	12500.	16500.	0.600	7500.	2286.	0.400	0.015	0.057	0.203	0.400	0.593
4.000	14300.	16500.	0.700	7575.	2309.	0.357	0.012	0.048	0.177	0.357	0.543
5.000	15000.	17800.	0.800	7650.	2332.	0.320	0.011	0.042	0.156	0.320	0.493
0.0	0.	0.	0.900	7725.	2355.	0.289	0.009	0.036	0.139	0.289	0.443
0.0	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.393
0.0	0.	0.	1.100	8400.	2560.	0.212	0.006	0.025	0.099	0.212	0.343
0.0	0.	0.	1.200	9000.	2743.	0.173	0.005	0.020	0.080	0.173	0.293
0.0	0.	0.	1.400	10000.	3048.	0.123	0.004	0.014	0.056	0.123	0.212
0.0	0.	0.	1.600	11000.	3353.	0.090	0.003	0.010	0.041	0.090	0.159
0.0	0.	0.	1.800	11500.	3505.	0.074	0.002	0.008	0.033	0.074	0.130
0.0	0.	0.	2.000	12000.	3658.	0.062	0.002	0.007	0.028	0.062	0.108
0.0	0.	0.	2.200	12500.	3810.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.400	12700.	3871.	0.046	0.001	0.005	0.021	0.046	0.081
0.0	0.	0.	2.700	13000.	3962.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.000	13300.	4054.	0.034	0.001	0.004	0.015	0.034	0.060
0.0	0.	0.	3.500	13800.	4206.	0.027	0.001	0.003	0.012	0.027	0.048
0.0	0.	0.	4.000	14300.	4359.	0.022	0.001	0.002	0.010	0.022	0.039
0.0	0.	0.	5.000	15000.	4572.	0.016	0.000	0.002	0.007	0.016	0.028
0.0	0.	0.	5.900	15630.	4764.	0.012	0.000	0.001	0.006	0.012	0.022

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)
160	3608	388	1012	-28	1 68 22 69 21 70 18 71 17 72 14 73 13 74 12 75 11 76 8 77 7 78 4 79 3
161	3936	424	1100	-29	1 68 23 69 22 70 19 71 18 72 15 73 14 75 12 76 9 77 8 78 5 79 4 80 1
162	4264	464	1187	-28	1 68 24 69 23 70 20 71 19 72 16 73 15 76 10 77 9 78 6 79 5 80 2 81 1
163	3936	428	1100	-29	1 69 24 70 21 71 20 72 17 73 16 74 13 76 11 77 10 78 7 79 6 80 3 81 2
164	3608	392	1012	-28	1 70 22 71 21 72 18 73 17 74 14 75 13 76 12 77 11 78 8 79 7 80 4 81 3
165	3936	432	1100	-29	1 70 23 71 22 72 19 73 18 74 15 75 14 77 12 78 9 79 8 80 5 81 4 82 1
166	4264	468	1187	-28	1 70 24 71 23 72 20 73 19 74 16 75 15 78 10 79 9 80 6 81 5 82 2 83
167	3936	432	1100	-29	1 71 24 72 21 73 20 74 17 76 14 77 13 78 11 79 10 80 7 81 6 82 3 83

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JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 80001 TRACE 12 24 CDPS TO NEXT VF

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	6300.	6300.	0.100	6300.	1920.	0.858	0.088	0.225	0.466	0.674	0.871
0.500	6900.	7300.	0.200	6300.	1920.	0.773	0.055	0.175	0.416	0.624	0.821
0.800	7600.	8767.	0.300	6500.	1981.	0.671	0.037	0.130	0.366	0.574	0.771
1.100	8000.	9067.	0.400	6700.	2042.	0.581	0.027	0.099	0.316	0.524	0.721
1.600	10500.	16000.	0.500	6900.	2103.	0.503	0.021	0.078	0.266	0.474	0.671
2.000	12300.	19500.	0.600	7133.	2174.	0.433	0.016	0.062	0.221	0.424	0.621
2.400	12900.	15900.	0.700	7367.	2245.	0.374	0.013	0.051	0.186	0.374	0.571
4.000	13700.	14900.	0.800	7500.	2316.	0.324	0.011	0.042	0.158	0.324	0.521
5.000	14400.	17200.	0.900	7733.	2357.	0.288	0.009	0.036	0.139	0.288	0.471
0.0	0.	0.	1.000	7367.	2398.	0.259	0.008	0.032	0.122	0.258	0.425
0.0	0.	0.	1.100	8000.	2438.	0.231	0.007	0.028	0.108	0.231	0.375
0.0	0.	0.	1.200	8500.	2591.	0.192	0.006	0.023	0.089	0.192	0.325
0.0	0.	0.	1.400	9500.	2896.	0.136	0.004	0.016	0.062	0.136	0.234
0.0	0.	0.	1.600	10500.	3200.	0.099	0.003	0.011	0.045	0.099	0.172
0.0	0.	0.	1.800	11400.	3475.	0.075	0.002	0.009	0.034	0.075	0.132
0.0	0.	0.	2.000	12300.	3749.	0.059	0.002	0.007	0.026	0.059	0.103
0.0	0.	0.	2.200	12600.	3840.	0.051	0.001	0.006	0.023	0.051	0.090
0.0	0.	0.	2.400	12900.	3932.	0.045	0.001	0.005	0.020	0.045	0.079
0.0	0.	0.	2.700	13050.	3978.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.000	13200.	4023.	0.034	0.001	0.004	0.015	0.034	0.061
0.0	0.	0.	3.500	13450.	4100.	0.028	0.001	0.003	0.013	0.028	0.050
0.0	0.	0.	4.000	13700.	4176.	0.024	0.001	0.003	0.011	0.024	0.042
0.0	0.	0.	5.000	14400.	4389.	0.017	0.000	0.002	0.008	0.017	0.031
0.0	0.	0.	5.900	15030.	4581.	0.013	0.000	0.001	0.006	0.013	0.024

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)													
184	3608	420	1012	-34	1	80 22	81 21	82 18	83 17	84 14	85 13	86 12	87 11	88 8	89 7	90 4	91 3		
185	3936	456	1100	-33	1	80 23	81 22	82 19	83 18	84 15	85 14	87 12	88 9	89 8	90 5	91 4	92 1		
186	4264	488	1187	-35	1	80 24	81 23	82 20	83 19	84 16	85 15	88 10	89 9	90 6	91 5	92 2	93 1		
187	3936	452	1100	-33	1	81 24	82 21	83 20	84 17	85 16	86 13	88 11	89 10	90 7	91 6	92 3	93 2		
188	3608	408	1012	-34	1	82 22	83 21	84 18	85 17	86 14	87 13	88 12	89 11	90 8	91 7	92 4	93 3		
189	3936	444	1100	-33	1	82 23	83 22	84 19	85 18	86 15	87 14	89 12	90 9	91 8	92 5	93 4	94 1		
190	4264	480	1187	-34	1	82 24	83 23	84 20	85 19	86 16	87 15	90 10	91 9	92 6	93 5	94 2	95 1		
191	3936	436	1100	-33	1	83 24	84 21	85 20	86 17	87 16	88 13	90 11	91 10	92 7	93 6	94 3	95		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	84 22	85 21	86 18	87 17	88 14	89 13	90 12	91 11	92 8	93 7	94 4	95		

CDP 0

JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 90001 TRACE 12 24 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.400	0.615	0.831
0.400	7800.	8600.	0.200	7000.	2134.	0.680	0.046	0.149	0.350	0.565	0.781
1.000	8000.	8133.	0.300	7400.	2256.	0.565	0.029	0.104	0.300	0.515	0.731
1.200	8200.	8200.	0.400	7800.	2377.	0.467	0.020	0.075	0.250	0.465	0.681
1.400	9000.	13800.	0.500	7833.	2388.	0.415	0.016	0.061	0.215	0.415	0.631
2.200	11500.	15875.	0.600	7967.	2398.	0.370	0.013	0.052	0.186	0.370	0.581
4.000	13500.	15944.	0.700	7900.	2408.	0.333	0.011	0.044	0.164	0.333	0.531
5.000	14200.	17000.	0.800	7933.	2418.	0.301	0.010	0.039	0.146	0.301	0.487
0.0	0.	0.	0.900	7967.	2428.	0.274	0.009	0.034	0.131	0.274	0.443
0.0	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.414
0.0	0.	0.	1.100	8100.	2469.	0.226	0.007	0.027	0.106	0.226	0.378
0.0	0.	0.	1.200	8200.	2499.	0.205	0.006	0.025	0.095	0.205	0.347
0.0	0.	0.	1.400	9000.	2743.	0.151	0.004	0.018	0.069	0.151	0.259
0.0	0.	0.	1.600	9525.	2934.	0.117	0.003	0.013	0.053	0.117	0.203
0.0	0.	0.	1.800	10250.	3124.	0.093	0.003	0.011	0.042	0.093	0.162
0.0	0.	0.	2.000	10875.	3315.	0.075	0.002	0.009	0.034	0.075	0.131
0.0	0.	0.	2.200	11500.	3505.	0.061	0.002	0.007	0.027	0.061	0.107
0.0	0.	0.	2.400	11722.	3573.	0.054	0.002	0.006	0.024	0.054	0.095
0.0	0.	0.	2.700	12056.	3675.	0.045	0.001	0.005	0.020	0.045	0.080
0.0	0.	0.	3.000	12389.	3776.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.500	12944.	3945.	0.031	0.001	0.003	0.014	0.031	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4329.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)													
208	3608	360	1012	-35	1	92 22	93 21	94 18	95 17	96 14	97 13	98 12	99 11	0 8	1 7	2 4	3 3		
209	3936	396	1100	-35	1	92 23	93 22	94 19	95 18	96 15	97 14	99 12	0 9	1 8	2 5	3 4	4 1		
210	4264	428	1187	-35	1	92 24	93 23	94 20	95 19	96 16	97 15	0 10	1 9	2 6	3 5	4 2	5 1		
211	3936	396	1100	-36	1	93 24	94 21	95 20	96 17	97 16	98 13	0 11	1 10	2 7	3 6	4 3	5 2		
212	3608	364	1012	-35	1	94 22	95 21	96 18	97 17	98 14	99 13	0 12	1 11	2 8	3 7	4 4	5 3		
213	3936	400	1100	-36	1	94 23	95 22	96 19	97 18	98 15	99 14	1 12	2 9	3 8	4 5	5 4	6 1		
214	4264	432	1187	-35	1	94 24	95 23	96 20	97 19	99 16	99 15	2 10	3 9	4 6	5 5	6 2	7 1		
215	3936	400	1100	-36	1	95 24	96 21	97 20	98 17	99 16	0 13	2 11	3 10	4 7	5 6	6 3	7		
216	3608	368	1012	-36	1	96 22	97 21	98 18	99 17	0 14	1 13	2 12	3 11	4 8	5 7	6 4	7 2		

0 99

JOB.. ESSO LINE.. 0714-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 100001 TRACE 12 48 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.139	0.428	0.642	0.851
0.600	7600.	7900.	0.200	7000.	2134.	0.680	0.046	0.149	0.378	0.592	0.801
1.400	8400.	9000.	0.300	7150.	2179.	0.591	0.031	0.110	0.328	0.542	0.751
1.600	9300.	15600.	0.400	7300.	2225.	0.514	0.023	0.085	0.278	0.492	0.701
2.400	11500.	15000.	0.500	7450.	2271.	0.448	0.018	0.068	0.234	0.442	0.651
4.000	13000.	15250.	0.600	7600.	2316.	0.392	0.014	0.055	0.198	0.392	0.601
5.000	13700.	16500.	0.700	7700.	2347.	0.347	0.012	0.047	0.172	0.347	0.551
0.0	0.	0.	0.800	7800.	2377.	0.310	0.010	0.040	0.150	0.310	0.501
0.0	0.	0.	0.900	7900.	2408.	0.278	0.009	0.035	0.133	0.278	0.455
0.0	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.414
0.0	0.	0.	1.100	8100.	2469.	0.226	0.007	0.027	0.106	0.226	0.378
0.0	0.	0.	1.200	8200.	2499.	0.205	0.006	0.025	0.095	0.205	0.347
0.0	0.	0.	1.400	8400.	2560.	0.172	0.005	0.020	0.079	0.172	0.293
0.0	0.	0.	1.600	9300.	2835.	0.125	0.004	0.014	0.057	0.125	0.217
0.0	0.	0.	1.800	9850.	3002.	0.100	0.003	0.011	0.045	0.100	0.175
0.0	0.	0.	2.000	10400.	3170.	0.082	0.002	0.009	0.037	0.082	0.143
0.0	0.	0.	2.200	10950.	3338.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.400	11500.	3505.	0.056	0.002	0.006	0.025	0.056	0.099
0.0	0.	0.	2.700	11781.	3591.	0.048	0.001	0.005	0.021	0.048	0.084
0.0	0.	0.	3.000	12063.	3677.	0.041	0.001	0.005	0.018	0.041	0.072
0.0	0.	0.	3.500	12571.	3832.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)															
232	3608	384	1012	-36	2	4 22	5 21	6 18	7 17	8 14	9 13	10 12	11 11	12 8	13 7	14 4	15 3				
233	3936	420	1100	-36	2	4 23	5 22	6 19	7 18	8 15	9 14	11 12	12 9	13 8	14 5	15 4	16 1				
234	4264	460	1187	-36	2	4 24	5 23	6 20	7 19	8 16	9 15	12 10	13 9	14 6	15 5	16 2	17 1				
235	3936	424	1100	-36	2	5 24	6 21	7 20	8 17	9 16	10 13	12 11	13 10	14 7	15 6	16 3	17 2				
236	3608	383	1012	-36	2	6 22	7 21	8 18	9 17	10 14	11 13	12 12	13 11	14 8	15 7	16 4	17 3				
237	3936	424	1100	-36	2	6 23	7 22	8 19	9 18	10 15	11 14	13 12	14 9	15 8	16 5	17 4	18 1				
238	4264	464	1187	-37	2	6 24	7 23	8 20	9 19	10 16	11 15	14 10	15 9	16 6	17 5	18 2	19 1				
239	3936	428	1100	-36	2	7 24	8 21	9 20	10 17	11 16	12 13	14 11	15 10	16 7	17 6	18 3	19				
240	3608	392	1012	-36	2	8 22	9 21	10 18	11 17	12 14	13 13	14 12	15 11	16 8	17 7	18 4	19				

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JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 120001 TRACE 12 48 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	6400.	6400.	0.100	6400.	1951.	0.843	0.086	0.221	0.474	0.708	0.923
0.800	7100.	7333.	0.200	6400.	1951.	0.759	0.054	0.171	0.424	0.658	0.873
1.200	7700.	8900.	0.300	6517.	1986.	0.668	0.037	0.130	0.374	0.608	0.823
1.600	9600.	15300.	0.400	6633.	2022.	0.589	0.027	0.101	0.324	0.558	0.773
2.200	11000.	14733.	0.500	6750.	2057.	0.520	0.021	0.081	0.275	0.508	0.723
4.000	13000.	15444.	0.600	6867.	2093.	0.460	0.017	0.067	0.236	0.458	0.673
5.000	13700.	16500.	0.700	6983.	2129.	0.408	0.014	0.056	0.204	0.408	0.623
0.0	0.	0.	0.800	7100.	2164.	0.364	0.012	0.048	0.179	0.364	0.573
0.0	0.	0.	0.900	7250.	2210.	0.323	0.011	0.041	0.156	0.323	0.523
0.0	0.	0.	1.000	7400.	2256.	0.287	0.009	0.036	0.137	0.287	0.473
0.0	0.	0.	1.100	7550.	2301.	0.257	0.008	0.031	0.121	0.257	0.427
0.0	0.	0.	1.200	7700.	2347.	0.231	0.007	0.028	0.108	0.231	0.378
0.0	0.	0.	1.400	8650.	2637.	0.162	0.005	0.019	0.074	0.162	0.279
0.0	0.	0.	1.600	9600.	2926.	0.118	0.003	0.014	0.053	0.118	0.206
0.0	0.	0.	1.800	10067.	3068.	0.096	0.003	0.011	0.043	0.096	0.163
0.0	0.	0.	2.000	10533.	3211.	0.080	0.002	0.009	0.036	0.080	0.139
0.0	0.	0.	2.200	11000.	3353.	0.067	0.002	0.007	0.030	0.067	0.117
0.0	0.	0.	2.400	11222.	3421.	0.059	0.002	0.007	0.026	0.059	0.104
0.0	0.	0.	2.700	11556.	3522.	0.049	0.001	0.006	0.022	0.049	0.087
0.0	0.	0.	3.000	11889.	3624.	0.042	0.001	0.005	0.019	0.042	0.075
0.0	0.	0.	3.500	12444.	3793.	0.033	0.001	0.004	0.015	0.033	0.059
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	..... (MAXIMUM) ..... DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)														
280	3408	424	1012	-33	2 28 22	29 21	30 18	31 17	32 14	33 13	34 12	35 11	36 8	37 7	38 4	39 3				
281	3936	464	1109	-34	2 28 23	29 22	30 19	31 18	32 15	33 14	35 12	36 9	37 8	38 5	39 4	40 1				
282	4264	504	1187	-34	2 28 24	29 23	30 20	31 19	32 16	33 15	36 10	37 9	38 6	39 5	40 2	41 1				
283	3936	460	1109	-34	2 29 24	30 21	31 20	32 17	33 16	34 13	35 11	37 10	38 7	39 6	40 3	41 2				
284	3608	420	1012	-33	2 30 22	31 21	32 18	33 17	34 14	35 13	36 12	37 11	38 8	39 7	40 4	41 3				
285	3936	460	1100	-34	2 30 23	31 22	32 19	33 18	34 15	35 14	37 12	38 9	39 8	40 5	41 4	42 1				
286	4264	496	1187	-33	2 30 24	31 23	32 20	33 19	34 16	35 15	38 10	39 9	40 6	41 5	42 2	43 1				
287	3936	456	1100	-34	2 31 24	32 21	33 20	34 17	35 16	36 13	38 11	39 10	40 7	41 6	42 3	43 2				
288	3608	416	1012	-33	2 32 22	33 21	34 18	35 17	36 14	37 13	38 12	39 11	40 8	41 7	42 4	43 3				

JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 140001 TRACE 12 48 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.417	0.639	0.862
0.400	7500.	8000.	0.200	7000.	2134.	0.680	0.046	0.142	0.367	0.589	0.812
0.600	7600.	7800.	0.300	7250.	2210.	0.580	0.030	0.108	0.317	0.539	0.762
1.200	7700.	7800.	0.400	7500.	2286.	0.494	0.022	0.081	0.267	0.489	0.712
1.500	8000.	9200.	0.500	7550.	2301.	0.439	0.017	0.066	0.228	0.439	0.662
1.800	9000.	14000.	0.600	7600.	2316.	0.392	0.014	0.055	0.198	0.392	0.612
2.200	11000.	20000.	0.700	7617.	2322.	0.354	0.012	0.048	0.175	0.354	0.562
4.000	13000.	15464.	0.800	7633.	2327.	0.322	0.011	0.042	0.156	0.322	0.513
5.000	13700.	16500.	0.900	7650.	2332.	0.294	0.009	0.037	0.141	0.294	0.480
0.0	0.	0.	1.000	7667.	2337.	0.270	0.008	0.033	0.129	0.270	0.445
0.0	0.	0.	1.100	7683.	2342.	0.249	0.008	0.030	0.117	0.249	0.415
0.0	0.	0.	1.200	7700.	2347.	0.231	0.007	0.028	0.108	0.231	0.387
0.0	0.	0.	1.400	7900.	2408.	0.193	0.006	0.023	0.089	0.193	0.329
0.0	0.	0.	1.600	8333.	2540.	0.155	0.004	0.018	0.070	0.155	0.266
0.0	0.	0.	1.800	9000.	2743.	0.119	0.003	0.014	0.054	0.119	0.208
0.0	0.	0.	2.000	10000.	3048.	0.088	0.002	0.010	0.040	0.088	0.154
0.0	0.	0.	2.200	11000.	3353.	0.067	0.002	0.007	0.030	0.067	0.117
0.0	0.	0.	2.400	11222.	3421.	0.059	0.002	0.007	0.026	0.059	0.104
0.0	0.	0.	2.700	11556.	3522.	0.049	0.001	0.006	0.022	0.049	0.087
0.0	0.	0.	3.000	11889.	3624.	0.042	0.001	0.005	0.019	0.042	0.075
0.0	0.	0.	3.500	12444.	3793.	0.033	0.001	0.004	0.015	0.033	0.059
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.000	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)													
328	3608	376	1012	-32	2	52 22	53 21	54 18	55 17	56 14	57 13	58 12	59 11	60 8	61 7	62 4	63 3		
329	3936	408	1100	-33	2	52 23	53 22	54 19	55 18	56 15	57 14	59 12	60 9	61 8	62 5	63 4	64 1		
330	4264	444	1187	-32	2	52 24	53 23	54 20	55 19	56 16	57 15	60 10	61 9	62 6	63 5	64 2	65 1		
331	3936	408	1100	-33	2	53 24	54 21	55 20	56 17	57 16	58 13	60 11	61 10	62 7	63 6	64 3	65 2		
332	3608	376	1012	-32	2	54 22	55 21	56 18	57 17	58 14	59 13	60 12	61 11	62 8	63 7	64 4	65 3		
333	3936	408	1100	-33	2	54 23	55 22	56 19	57 18	58 15	59 14	61 12	62 9	63 8	64 5	65 4	66 1		
334	4264	444	1187	-33	2	54 24	55 23	56 20	57 19	58 16	59 15	62 10	63 9	64 6	65 5	66 2	67 1		
335	3936	408	1100	-33	2	55 24	56 21	57 20	58 17	59 16	60 13	62 11	63 10	64 7	65 6	66 3	67 2		
[illegible]	[illegible]	[illegible]	[illegible]	-33	2	56 22	57 21	58 18	59 17	60 14	61 13	62 12	63 11	64 8	65 7	66 4	67 3		

JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 160001 TRACE 12 48 CDPS TO NEXT V

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.422	0.634	0.853
0.500	7600.	8000.	0.200	7000.	2134.	0.680	0.046	0.149	0.372	0.594	0.803
1.200	7800.	7943.	0.300	7200.	2195.	0.586	0.031	0.109	0.322	0.534	0.753
1.600	8700.	11400.	0.400	7400.	2256.	0.504	0.022	0.083	0.272	0.484	0.709
1.800	9800.	13600.	0.500	7600.	2316.	0.434	0.017	0.065	0.224	0.434	0.659
2.200	11200.	17500.	0.600	7629.	2325.	0.389	0.014	0.055	0.197	0.389	0.609
4.000	13000.	15200.	0.700	7657.	2334.	0.351	0.012	0.047	0.173	0.351	0.559
5.000	13700.	16500.	0.800	7686.	2343.	0.318	0.011	0.041	0.154	0.318	0.513
0.0	0.	0.	0.900	7714.	2351.	0.290	0.009	0.037	0.139	0.290	0.473
0.0	0.	0.	1.000	7743.	2360.	0.265	0.008	0.033	0.126	0.265	0.438
0.0	0.	0.	1.100	7771.	2369.	0.244	0.007	0.030	0.114	0.244	0.407
0.0	0.	0.	1.200	7800.	2377.	0.225	0.007	0.027	0.105	0.225	0.379
0.0	0.	0.	1.400	8250.	2515.	0.178	0.005	0.021	0.082	0.178	0.303
0.0	0.	0.	1.600	8700.	2652.	0.142	0.004	0.016	0.065	0.142	0.245
0.0	0.	0.	1.800	9800.	2987.	0.101	0.003	0.012	0.046	0.101	0.175
0.0	0.	0.	2.000	10500.	3200.	0.080	0.002	0.009	0.036	0.080	0.140
0.0	0.	0.	2.200	11200.	3414.	0.064	0.002	0.007	0.029	0.064	0.113
0.0	0.	0.	2.400	11400.	3475.	0.057	0.002	0.006	0.026	0.057	0.100
0.0	0.	0.	2.700	11700.	3566.	0.048	0.001	0.005	0.022	0.048	0.085
0.0	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
0.0	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	MAXIMUM DIST	MAXIMUM NMO	MAXIMUM MUTE	STAT	INPUT REEL	INPUT FILES - TRACE NUMBERS
376	3608	380	1012	-30	2	76 22 77 21 78 18 79 17 80 14 81 13 82 12 83 11 84 8 85 7 86 4 87 3
377	3936	416	1100	-29	2	76 23 77 22 78 19 79 18 80 15 81 14 83 12 84 9 85 8 86 5 87 4 88 1
378	4264	452	1187	-30	2	76 24 77 23 78 20 79 19 80 16 81 15 84 10 85 9 86 6 87 5 88 2
379	3936	416	1100	-29	2	77 24 78 21 79 20 80 17 81 16 82 13 84 11 85 10 86 7 87 6 88 3
380	3608	380	1012	-30	2	78 22 79 21 80 18 81 17 82 14 83 13 84 12 85 11 86 8 87 7 88 4
381	3936	416	1100	-29	2	78 23 79 22 80 19 81 18 82 15 83 14 85 12 86 9 87 8 88 5 89 1
382	4264	452	1187	-30	2	78 24 79 23 80 20 81 19 82 16 83 15 86 10 87 9 88 6 89 2 90 1
383	3936	416	1100	-29	2	79 24 80 21 81 20 82 17 83 16 84 13 86 11 87 10 88 7 89 3 90 2
384	3608	396	1012	-30	2	80 22 81 21 82 18 83 17 84 14 85 13 86 12 87 11 88 8 90 4 90 3

CDP

JOB.. ESSO LINE.. 0714-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 180001 TRACE 12 48 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.209	0.448	0.667	0.871
0.800	7600.	7900.	0.200	6700.	2042.	0.718	0.050	0.159	0.398	0.617	0.821
1.100	8000.	9067.	0.300	6850.	2088.	0.626	0.034	0.119	0.348	0.567	0.771
1.600	9500.	12800.	0.400	7000.	2134.	0.546	0.025	0.092	0.298	0.517	0.721
2.000	11400.	19000.	0.500	7150.	2179.	0.477	0.019	0.073	0.250	0.467	0.671
2.400	12000.	15000.	0.600	7300.	2225.	0.418	0.015	0.060	0.213	0.417	0.621
4.000	13500.	15750.	0.700	7450.	2271.	0.367	0.013	0.050	0.182	0.367	0.571
5.000	14200.	17000.	0.800	7600.	2316.	0.324	0.011	0.042	0.158	0.324	0.521
0.0	0.	0.	0.900	7733.	2357.	0.288	0.009	0.036	0.138	0.288	0.471
0.0	0.	0.	1.000	7867.	2398.	0.258	0.008	0.032	0.122	0.258	0.426
0.0	0.	0.	1.100	8000.	2438.	0.231	0.007	0.028	0.108	0.231	0.387
0.0	0.	0.	1.200	8300.	2530.	0.201	0.006	0.024	0.093	0.201	0.339
0.0	0.	0.	1.400	8900.	2713.	0.154	0.005	0.018	0.070	0.154	0.264
0.0	0.	0.	1.600	9500.	2896.	0.120	0.003	0.014	0.054	0.120	0.208
0.0	0.	0.	1.800	10450.	3185.	0.089	0.003	0.010	0.040	0.089	0.156
0.0	0.	0.	2.000	11400.	3475.	0.068	0.002	0.008	0.031	0.068	0.120
0.0	0.	0.	2.200	11700.	3566.	0.059	0.002	0.007	0.026	0.059	0.104
0.0	0.	0.	2.400	12000.	3658.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.700	12281.	3743.	0.044	0.001	0.005	0.020	0.044	0.077
0.0	0.	0.	3.000	12563.	3829.	0.038	0.001	0.004	0.017	0.038	0.067
0.0	0.	0.	3.500	13031.	3972.	0.030	0.001	0.003	0.013	0.030	0.053
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)													
424	3608	400	1012	-25	2 99 22	0 21	1 18	2 17	3 14	4 13	5 12	6 11	7 8	8 7	9 4	10 3			
425	3936	440	1100	-25	2 99 23	0 22	1 19	2 18	3 15	4 14	6 12	7 9	8 8	9 5	10 4	11 1			
426	4264	476	1187	-25	3 99 24	0 23	1 20	2 19	3 16	4 15	7 10	8 9	9 6	10 5	11 2	12 1			
427	3936	436	1100	-25	3 0 24	1 21	2 20	3 17	4 16	5 13	7 11	8 10	9 7	10 6	11 3	12 2			
428	3608	400	1012	-25	3 1 22	2 21	3 18	4 17	5 14	6 13	7 12	8 11	9 8	10 7	11 4	12 3			
429	3936	436	1100	-25	3 1 23	2 22	3 19	4 18	5 15	6 14	8 12	9 9	10 8	11 5	12 4	13 1			
430	4264	476	1187	-25	3 1 24	2 23	3 20	4 19	5 16	6 15	9 10	10 9	11 6	12 5	13 2	14 1			
431	3936	436	1100	-25	3 2 24	3 21	4 20	5 17	6 16	7 13	9 11	10 10	11 7	12 6	13 3	14 2			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3 2 22	4 21	5 19	6 17	7 14	8 13	9 12	10 11	11 8	12 7	13 4	14 3			

JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 200001 TRACE 12 48 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.428	0.658	0.884
0.400	7300.	7600.	0.200	7000.	2134.	0.680	0.046	0.149	0.379	0.608	0.834
1.100	7600.	7771.	0.300	7150.	2179.	0.591	0.031	0.110	0.328	0.558	0.784
1.400	8400.	11333.	0.400	7300.	2225.	0.514	0.023	0.095	0.278	0.508	0.744
2.000	10500.	15400.	0.500	7343.	2238.	0.458	0.018	0.069	0.230	0.458	0.694
2.400	11500.	16500.	0.600	7386.	2251.	0.410	0.015	0.058	0.209	0.410	0.634
4.000	13000.	15250.	0.700	7429.	2264.	0.369	0.013	0.050	0.183	0.369	0.594
5.000	13700.	16500.	0.800	7471.	2277.	0.334	0.011	0.044	0.163	0.334	0.537
0.0	0.	0.	0.900	7514.	2290.	0.303	0.010	0.039	0.146	0.303	0.494
0.0	0.	0.	1.000	7557.	2303.	0.277	0.009	0.034	0.131	0.277	0.454
0.0	0.	0.	1.100	7600.	2316.	0.254	0.008	0.031	0.119	0.254	0.423
0.0	0.	0.	1.200	7867.	2398.	0.232	0.007	0.027	0.103	0.222	0.373
0.0	0.	0.	1.400	8400.	2560.	0.172	0.005	0.020	0.079	0.172	0.293
0.0	0.	0.	1.600	9100.	2774.	0.131	0.004	0.015	0.059	0.131	0.226
0.0	0.	0.	1.900	9800.	2987.	0.101	0.003	0.012	0.046	0.101	0.176
0.0	0.	0.	2.000	10500.	3200.	0.080	0.002	0.009	0.036	0.080	0.140
0.0	0.	0.	2.200	11000.	3353.	0.067	0.002	0.007	0.030	0.067	0.117
0.0	0.	0.	2.400	11500.	3505.	0.056	0.002	0.006	0.025	0.056	0.099
0.0	0.	0.	2.700	11781.	3591.	0.048	0.001	0.005	0.021	0.048	0.084
0.0	0.	0.	3.000	12063.	3677.	0.041	0.001	0.005	0.018	0.041	0.072
0.0	0.	0.	3.500	12531.	3820.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)
472	3608	384	1012	-26	3 23 22 24 21 25 18 26 17 27 14 29 13 29 12 30 11 31 8 32 7 33 4 34 3
473	3936	420	1100	-27	3 23 23 24 22 25 19 26 18 27 15 28 14 30 12 31 9 32 8 33 5 34 4 35 1
474	4264	456	1187	-26	3 23 24 24 23 25 20 26 19 27 16 28 15 31 10 32 9 33 6 34 5 35 2 36 1
475	3936	420	1100	-27	3 24 24 25 21 26 20 27 17 28 16 29 13 31 11 32 10 33 7 34 6 35 3 36 2
476	3608	384	1012	-27	3 25 22 26 21 27 18 28 17 29 14 30 13 31 12 32 11 33 8 34 7 35 4 36 3
477	3936	420	1100	-27	3 25 23 26 22 27 19 28 18 29 15 30 14 32 12 33 9 34 8 35 5 36 4 37 1
478	4264	456	1187	-27	3 25 24 26 23 27 20 28 19 29 16 30 15 33 10 34 9 35 6 36 5 37 2 38 1
479	3936	420	1100	-27	3 26 24 27 21 28 20 29 17 30 16 31 13 33 11 34 10 35 7 36 6 37 3 38 2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

JOB.. ESSO LINE.. 0714-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 220001 TRACE 12 48 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	7000.	7000.	0.100	7000.	2134.	0.763	0.074	0.199	0.422	0.649	0.876
0.400	7400.	7800.	0.200	7000.	2134.	0.680	0.046	0.149	0.372	0.599	0.826
1.000	7600.	7733.	0.300	7200.	2195.	0.586	0.031	0.109	0.322	0.549	0.776
1.400	8100.	9350.	0.400	7400.	2256.	0.504	0.022	0.083	0.272	0.499	0.726
2.000	10000.	14433.	0.500	7433.	2266.	0.449	0.018	0.068	0.235	0.449	0.676
4.000	12500.	15000.	0.600	7467.	2276.	0.403	0.015	0.057	0.204	0.403	0.626
5.000	13200.	16000.	0.700	7500.	2286.	0.363	0.013	0.049	0.180	0.363	0.576
0.0	0.	0.	0.800	7533.	2296.	0.329	0.011	0.043	0.160	0.329	0.530
0.0	0.	0.	0.900	7567.	2306.	0.299	0.010	0.038	0.144	0.299	0.488
0.0	0.	0.	1.000	7600.	2316.	0.274	0.009	0.034	0.130	0.274	0.452
0.0	0.	0.	1.100	7725.	2355.	0.247	0.008	0.030	0.116	0.247	0.411
0.0	0.	0.	1.200	7850.	2393.	0.223	0.007	0.027	0.104	0.223	0.374
0.0	0.	0.	1.400	8100.	2469.	0.184	0.005	0.022	0.085	0.184	0.313
0.0	0.	0.	1.600	8733.	2662.	0.141	0.004	0.016	0.064	0.141	0.244
0.0	0.	0.	1.800	9367.	2855.	0.111	0.003	0.013	0.050	0.111	0.192
0.0	0.	0.	2.000	10000.	3048.	0.088	0.002	0.010	0.040	0.088	0.154
0.0	0.	0.	2.200	10250.	3124.	0.077	0.002	0.009	0.034	0.077	0.134
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.700	10875.	3315.	0.056	0.002	0.006	0.025	0.056	0.098
0.0	0.	0.	3.000	11250.	3429.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.500	11875.	3620.	0.036	0.001	0.004	0.016	0.036	0.064
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	0.051
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	0.037
0.0	0.	0.	5.900	13830.	4215.	0.016	0.000	0.002	0.007	0.016	0.028

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)															
520	3608	380	1012	-26	3	47	22	48	21	49	18	50	17	51	14	52	13	53	12	54	11	55	8	56	7	57	4	58	3
521	3936	416	1100	-28	3	47	23	48	22	49	19	50	18	51	15	52	14	54	12	55	9	56	8	57	5	58	4	59	1
522	4264	452	1187	-26	3	47	24	48	23	49	20	50	19	51	16	52	15	55	10	56	9	57	6	58	5	59	2	60	1
523	3936	416	1100	-29	3	48	24	49	21	50	20	51	17	52	16	53	13	55	11	56	10	57	7	58	6	59	3	60	2
524	3608	384	1012	-29	3	49	22	50	21	51	18	52	17	53	14	54	13	55	12	56	11	57	8	58	7	59	4	60	3
525	3936	420	1100	-28	3	49	23	50	22	51	19	52	18	53	15	54	14	56	12	57	9	58	8	59	5	60	4	61	1
526	4264	456	1187	-29	3	49	24	50	23	51	20	52	19	53	16	54	15	57	10	58	9	59	6	60	5	61	2	62	1
527	3936	420	1100	-30	3	50	24	51	21	52	20	53	17	54	16	55	13	57	11	58	10	59	7	60	6	61	3	62	2
528	3608	384	1012	-30	3	51	22	52	21	53	18	54	17	55	14	56	13	57	12	58	11	59	8	60	7	61	4	62	3

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JOB.. ESSO LINE.. 071A-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 240001 TRACE 12 0 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.200	6400.	6400.	0.100	6400.	1951.	0.843	0.036	0.221	0.464	0.682	0.868
0.400	7100.	7450.	0.200	6400.	1951.	0.759	0.054	0.171	0.414	0.632	0.819
1.000	7800.	8850.	0.300	6575.	2004.	0.661	0.036	0.127	0.364	0.582	0.768
1.300	9000.	13000.	0.400	6750.	2057.	0.575	0.027	0.098	0.314	0.532	0.718
1.600	11000.	19667.	0.500	6925.	2111.	0.500	0.020	0.077	0.264	0.482	0.668
2.200	12500.	16500.	0.600	7100.	2164.	0.436	0.016	0.063	0.223	0.432	0.618
4.000	14000.	15833.	0.700	7275.	2217.	0.382	0.013	0.052	0.190	0.382	0.568
5.000	14700.	17500.	0.800	7450.	2271.	0.335	0.011	0.044	0.163	0.335	0.518
0.0	0.	0.	0.900	7625.	2324.	0.295	0.010	0.037	0.142	0.295	0.468
0.0	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.419
0.0	0.	0.	1.100	8200.	2499.	0.221	0.007	0.027	0.103	0.221	0.368
0.0	0.	0.	1.200	8600.	2621.	0.188	0.006	0.022	0.087	0.188	0.318
0.0	0.	0.	1.400	9667.	2946.	0.131	0.004	0.015	0.060	0.131	0.226
0.0	0.	0.	1.600	11000.	3353.	0.090	0.003	0.010	0.041	0.090	0.158
0.0	0.	0.	1.800	11500.	3505.	0.074	0.002	0.009	0.033	0.074	0.130
0.0	0.	0.	2.000	12000.	3658.	0.062	0.002	0.007	0.028	0.062	0.109
0.0	0.	0.	2.200	12500.	3810.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.400	12667.	3861.	0.046	0.001	0.005	0.021	0.046	0.082
0.0	0.	0.	2.700	12917.	3937.	0.040	0.001	0.004	0.018	0.040	0.070
0.0	0.	0.	3.000	13167.	4013.	0.034	0.001	0.004	0.015	0.034	0.061
0.0	0.	0.	3.500	13583.	4140.	0.028	0.001	0.003	0.012	0.028	0.049
0.0	0.	0.	4.000	14000.	4267.	0.023	0.001	0.003	0.010	0.023	0.041
0.0	0.	0.	5.000	14700.	4481.	0.017	0.000	0.002	0.007	0.017	0.030
0.0	0.	0.	5.900	15330.	4673.	0.013	0.000	0.001	0.006	0.013	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)															
569	3608	416	1012	-28	3	71	22	72	21	73	18	74	17	75	14	76	13	77	12	78	11
569	3936	456	1100	-26	3	71	23	72	22	73	19	74	18	75	15	76	14	78	12	79	9
570	4264	492	1187	-28	3	71	24	72	23	73	20	74	19	75	16	76	15	79	10	80	9
571	3936	456	1100	-26	3	72	24	73	21	74	20	75	17	76	16	77	13	79	11	80	10
572	3608	416	1012	-28	3	73	22	74	21	75	18	76	17	77	14	78	13	79	12	80	11
573	3936	456	1100	-26	3	73	23	74	22	75	19	76	18	77	15	78	14	80	12	81	9
574	4264	492	1187	-28	3	73	24	74	23	75	20	76	19	77	16	78	15	81	10	82	9
575	3936	456	1100	-26	3	74	24	75	21	76	20	77	17	78	16	79	13	81	11	82	10
576	3608	416	1012	-28	3	75	22	76	21	77	18	78	17	79	14	80	13	81	12	82	11

569	79	8	80	7	81	4	82	3													
569	80	8	81	5	82	4	83	1													
570	81	6	82	5	83	2	84	1													
571	80	10	81	7	82	6	83	3	84	2											
572	80	11	81	8	82	7	83	4	84	3											
573	81	9	82	8	83	5	84	4	85	1											
574	81	10	82	9	83	6	84	5	85	2	86	1									
575	82	10	83	7	84	6	85	3	86	2											
576	82	11	83	8	84	7	85	4	86	3											

JOB.. ESSO LINE.. 071A-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 10014 TRACE 1 35 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.209	0.452	0.694	0.930
0.200	6900.	7100.	0.200	6700.	2042.	0.718	0.050	0.159	0.402	0.644	0.890
0.300	7100.	7220.	0.300	6900.	2103.	0.620	0.033	0.117	0.352	0.594	0.850
0.400	7500.	9300.	0.400	6940.	2115.	0.553	0.025	0.093	0.302	0.544	0.790
0.500	8700.	12300.	0.500	6980.	2128.	0.494	0.020	0.076	0.261	0.494	0.736
0.600	9200.	13200.	0.600	7020.	2140.	0.444	0.017	0.064	0.227	0.444	0.680
0.700	10300.	20200.	0.700	7060.	2152.	0.401	0.014	0.055	0.201	0.401	0.630
0.800	11300.	16300.	0.800	7100.	2164.	0.364	0.012	0.048	0.178	0.364	0.580
0.900	13000.	15550.	0.900	7200.	2195.	0.327	0.011	0.042	0.158	0.327	0.530
1.000	13700.	16500.	1.000	7300.	2225.	0.294	0.009	0.037	0.140	0.294	0.484
1.100	0.	0.	1.100	7400.	2256.	0.267	0.008	0.033	0.126	0.267	0.442
1.200	0.	0.	1.200	7500.	2286.	0.242	0.007	0.029	0.113	0.242	0.406
1.400	0.	0.	1.400	8100.	2469.	0.184	0.005	0.022	0.085	0.184	0.313
1.600	0.	0.	1.600	8700.	2652.	0.142	0.004	0.014	0.065	0.142	0.245
1.800	0.	0.	1.800	9200.	2804.	0.115	0.003	0.013	0.052	0.115	0.199
2.000	0.	0.	2.000	10300.	3139.	0.083	0.002	0.009	0.037	0.083	0.146
2.200	0.	0.	2.200	10800.	3292.	0.069	0.002	0.008	0.031	0.069	0.121
2.400	0.	0.	2.400	11300.	3444.	0.058	0.002	0.007	0.026	0.058	0.102
2.700	0.	0.	2.700	11619.	3541.	0.049	0.001	0.005	0.022	0.049	0.086
3.000	0.	0.	3.000	11938.	3639.	0.042	0.001	0.005	0.019	0.042	0.074
3.500	0.	0.	3.500	12469.	3800.	0.033	0.001	0.004	0.015	0.033	0.058
4.000	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
5.000	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
5.900	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
1	0	0	0	0	14	1 1
2	0	0	0	0	14	1 2
3	0	0	0	0	14	1 3
4	0	0	0	0	14	1 4
5	0	0	0	0	14	1 5
6	0	0	0	0	14	1 6
7	0	0	0	0	14	1 7
8	0	0	0	0	14	1 8
9	0	0	0	0	14	1 9
10	0	0	0	0	14	1 10

0 CDPS

JOB.. FSSD LINE.. 0714-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 20014 TRACE 12 24 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- INT.VEL. -- FEET/SEC (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH [illegible] 1000'	2000'	4000'		
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.209	0.441	0.[illegible]	
0.400	7100.	7300.	0.200	6700.	2042.	0.718	0.050	0.150	0.391	0.629	[illegible]
0.900	7200.	7300.	0.300	6900.	2103.	0.620	0.033	0.117	0.341	0.579	[illegible]
1.200	8000.	9600.	0.400	7100.	2164.	0.535	0.024	0.089	0.291	0.529	0.[illegible]
1.600	8700.	10800.	0.500	7125.	2172.	0.479	0.019	0.073	0.252	0.479	0.702
2.400	11500.	17100.	0.600	7150.	2179.	0.432	0.016	0.062	0.220	0.432	0.652
4.000	13500.	16500.	0.700	7175.	2187.	0.391	0.014	0.053	0.195	0.391	0.602
5.000	14200.	17000.	0.800	7200.	2195.	0.355	0.012	0.047	0.174	0.355	0.552
0.0	0.	0.	0.900	7400.	2256.	0.311	0.010	0.040	0.150	0.311	0.502
0.0	0.	0.	1.000	7600.	2316.	0.274	0.009	0.034	0.130	0.274	0.452
0.0	0.	0.	1.100	7800.	2377.	0.242	0.007	0.029	0.114	0.242	0.404
0.0	0.	0.	1.200	8000.	2438.	0.215	0.006	0.026	0.100	0.215	0.362
0.0	0.	0.	1.400	8350.	2545.	0.174	0.005	0.020	0.080	0.174	0.296
0.0	0.	0.	1.600	8700.	2652.	0.142	0.004	0.016	0.065	0.142	0.245
0.0	0.	0.	1.800	9400.	2865.	0.110	0.003	0.013	0.050	0.110	0.191
0.0	0.	0.	2.000	10100.	3078.	0.086	0.002	0.010	0.039	0.086	0.151
0.0	0.	0.	2.200	10300.	3292.	0.069	0.002	0.008	0.031	0.069	0.121
0.0	0.	0.	2.400	11500.	3505.	0.056	0.002	0.006	0.025	0.056	0.099
0.0	0.	0.	2.700	11875.	3620.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.000	12250.	3734.	0.040	0.001	0.004	0.018	0.040	0.070
0.0	0.	0.	3.500	12875.	3924.	0.031	0.001	0.003	0.014	0.031	0.055
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)
36	492	24	0	-17	14 13 12
39	492	24	0	-16	14 13 13
40	820	60	0	-16	14 13 14
41	1148	104	0	-16	14 13 15
42	1476	148	0	-17	14 13 16
43	1804	184	0	-17	14 13 17
44	2132	224	0	-18	14 13 18
45	2460	264	0	-18	14 13 19
[illegible]	[illegible]	[illegible]	0	-18	14 13 [illegible]

0 76

JOB.. ESSO LINE.. 071A-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 30014 TRACE 12 72 CDPS TO MERGE

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INT.VEL.		TWO-WAY TIME	AVG.VEL. FT/SEC	AVG.VEL. M/SEC	NMO	NMO WITH LIMITING FACTOR				
	(INPUT)			(APPLIED)		(6000')	1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.208	0.435	0.653	0.882
0.400	7200.	7433.	0.200	6733.	2052.	0.713	0.049	0.159	0.385	0.603	0.833
0.600	7400.	8200.	0.300	6967.	2123.	0.612	0.033	0.115	0.335	0.553	0.783
1.000	7500.	7600.	0.400	7200.	2195.	0.524	0.023	0.087	0.285	0.503	0.733
1.200	8000.	10500.	0.500	7400.	2256.	0.453	0.018	0.063	0.236	0.453	0.683
1.600	8800.	11200.	0.600	7420.	2262.	0.407	0.015	0.058	0.207	0.407	0.633
1.800	10000.	19600.	0.700	7440.	2268.	0.368	0.013	0.050	0.183	0.368	0.583
2.400	11800.	17200.	0.800	7460.	2274.	0.334	0.011	0.044	0.163	0.334	0.538
4.000	13500.	16050.	0.900	7480.	2280.	0.306	0.010	0.039	0.147	0.306	0.498
5.000	14200.	17000.	1.000	7500.	2286.	0.281	0.009	0.035	0.133	0.281	0.458
0.0	0.	0.	1.100	7750.	2362.	0.245	0.008	0.030	0.115	0.245	0.408
0.0	0.	0.	1.200	8000.	2438.	0.215	0.006	0.026	0.100	0.215	0.362
0.0	0.	0.	1.400	8400.	2560.	0.172	0.005	0.020	0.079	0.172	0.293
0.0	0.	0.	1.600	8800.	2682.	0.139	0.004	0.016	0.063	0.139	0.240
0.0	0.	0.	1.800	10000.	3048.	0.097	0.003	0.011	0.044	0.097	0.170
0.0	0.	0.	2.000	10600.	3231.	0.079	0.002	0.009	0.035	0.079	0.138
0.0	0.	0.	2.200	11200.	3414.	0.064	0.002	0.007	0.029	0.064	0.113
0.0	0.	0.	2.400	11800.	3597.	0.053	0.001	0.006	0.024	0.053	0.094
0.0	0.	0.	2.700	12119.	3694.	0.045	0.001	0.005	0.020	0.045	0.080
0.0	0.	0.	3.000	12438.	3791.	0.039	0.001	0.004	0.017	0.039	0.068
0.0	0.	0.	3.500	12969.	3953.	0.030	0.001	0.003	0.014	0.030	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
60	492	24	0	-17	14 25 12	
63	492	24	0	-17	14 25 13	
64	820	60	0	-17	14 25 14	
65	1148	104	0	-17	14 25 15	
66	1476	144	0	-17	14 25 16	
67	1804	184	0	-16	14 25 17	
68	2132	224	0	-16	14 25 18	
69	2460	264	0	-16	14 25 19	
70	2788	300	0	-16	14 25 20	

3A

JOB.. ESSO LINE.. 071A-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 60014 TRACE 12 48 CDPS TO

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.211	0.448	0.686	0.918
0.400	7000.	7167.	0.200	6667.	2032.	0.722	0.050	0.161	0.398	0.636	0.868
0.800	7200.	7400.	0.300	6833.	2083.	0.628	0.034	0.119	0.348	0.586	0.818
1.000	7400.	8200.	0.400	7000.	2134.	0.546	0.025	0.092	0.298	0.536	0.768
1.400	8000.	9500.	0.500	7050.	2149.	0.487	0.020	0.075	0.256	0.486	0.718
1.800	10500.	10250.	0.600	7100.	2164.	0.436	0.016	0.063	0.223	0.436	0.668
2.400	11500.	14500.	0.700	7150.	2179.	0.393	0.014	0.054	0.196	0.393	0.618
4.000	13500.	16500.	0.800	7200.	2195.	0.355	0.012	0.047	0.174	0.355	0.568
5.000	14200.	17000.	0.900	7300.	2225.	0.319	0.010	0.041	0.154	0.319	0.518
0.0	0.	0.	1.000	7400.	2256.	0.287	0.009	0.036	0.137	0.287	0.473
0.0	0.	0.	1.100	7550.	2301.	0.257	0.008	0.031	0.121	0.257	0.427
0.0	0.	0.	1.200	7700.	2347.	0.231	0.007	0.028	0.108	0.231	0.387
0.0	0.	0.	1.400	8000.	2438.	0.188	0.006	0.022	0.087	0.188	0.319
0.0	0.	0.	1.600	9250.	2819.	0.126	0.004	0.015	0.057	0.126	0.219
0.0	0.	0.	1.800	10500.	3200.	0.089	0.003	0.010	0.040	0.089	0.155
0.0	0.	0.	2.000	10833.	3302.	0.075	0.002	0.009	0.034	0.075	0.132
0.0	0.	0.	2.200	11167.	3404.	0.065	0.002	0.007	0.029	0.065	0.114
0.0	0.	0.	2.400	11500.	3505.	0.056	0.002	0.006	0.025	0.056	0.099
0.0	0.	0.	2.700	11875.	3620.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.000	12250.	3734.	0.040	0.001	0.004	0.018	0.040	0.070
0.0	0.	0.	3.500	12875.	3924.	0.031	0.001	0.003	0.014	0.031	0.055
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	MID	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)
132	492	24	0	-20	14 62 12
135	492	24	0	-19	14 62 13
136	820	60	0	-19	14 62 14
137	1148	104	0	-19	14 62 15
138	1476	148	0	-19	14 62 16
139	1804	194	0	-19	14 62 17
140	2132	238	0	-18	14 62 18
141	2460	280	0	-19	14 62 19
142	2788	322	0	-19	14 62 20

0 78

JOB.. ESSO LINE.. 071A-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 80014 TRACE 12 24 CDPS TO NEXT V.

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.212	0.458	0.688	0.903
0.200	7200.	7317.	0.200	6617.	2017.	0.729	0.051	0.162	0.408	0.638	0.853
0.300	7300.	8000.	0.300	6733.	2052.	0.640	0.035	0.122	0.359	0.589	0.803
1.000	7400.	7600.	0.400	6850.	2088.	0.563	0.026	0.095	0.308	0.538	0.753
1.200	8000.	11000.	0.500	6967.	2123.	0.496	0.020	0.077	0.261	0.488	0.703
1.400	10200.	16800.	0.600	7083.	2159.	0.438	0.016	0.063	0.224	0.438	0.652
2.000	11500.	14700.	0.700	7200.	2195.	0.388	0.014	0.053	0.194	0.388	0.603
4.000	13500.	15500.	0.800	7300.	2225.	0.347	0.012	0.046	0.170	0.347	0.553
5.000	14200.	17000.	0.900	7350.	2240.	0.315	0.010	0.040	0.152	0.315	0.503
0.0	0.	0.	1.000	7400.	2256.	0.287	0.009	0.036	0.137	0.287	0.453
0.0	0.	0.	1.100	7700.	2347.	0.248	0.008	0.030	0.116	0.248	0.403
0.0	0.	0.	1.200	8000.	2438.	0.215	0.006	0.026	0.100	0.215	0.353
0.0	0.	0.	1.400	9100.	2774.	0.147	0.004	0.017	0.067	0.147	0.253
0.0	0.	0.	1.600	10200.	3109.	0.105	0.003	0.012	0.047	0.105	0.192
0.0	0.	0.	1.800	10350.	3307.	0.083	0.002	0.009	0.037	0.083	0.145
0.0	0.	0.	2.000	11500.	3505.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.200	11700.	3566.	0.059	0.002	0.007	0.026	0.059	0.104
0.0	0.	0.	2.400	11900.	3627.	0.052	0.001	0.006	0.023	0.052	0.092
0.0	0.	0.	2.700	12200.	3719.	0.044	0.001	0.005	0.020	0.044	0.078
0.0	0.	0.	3.000	12500.	3810.	0.038	0.001	0.004	0.017	0.038	0.068
0.0	0.	0.	3.500	13000.	3962.	0.030	0.001	0.003	0.013	0.030	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.200	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	MAXIMUM DIST	MAXIMUM NMO	MAXIMUM MUTE	INPUT STAT	INPUT REEL	INPUT FILES - TRACE NUMBERS
180	492	24	0	-18	14	86 12
183	492	24	0	-20	14	86 13
184	820	60	0	-20	14	86 14
185	1148	104	0	-20	14	86 15
186	1476	148	0	-20	14	86 16
187	1804	193	0	-19	14	86 17
188	2132	239	0	-19	14	86 18
189	2460	272	0	-19	14	86 19
[illegible]	[illegible]	[illegible]	0	-11	14	86 20

JOB.. 5550 LINE.. 071A-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 100014 TRACE 1 0 CDPS TO NEXT VF

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INT.VEL. (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.214	0.468	0.711	0.939
0.200	7000.	7071.	0.200	6571.	2003.	0.735	0.051	0.164	0.418	0.661	0.883
0.300	7500.	8500.	0.300	6643.	2025.	0.652	0.036	0.125	0.368	0.611	0.839
0.400	9200.	12600.	0.400	6714.	2047.	0.579	0.027	0.099	0.318	0.561	0.789
0.500	11000.	19100.	0.500	6786.	2068.	0.516	0.021	0.080	0.273	0.511	0.739
0.600	11500.	17000.	0.600	6857.	2090.	0.461	0.017	0.067	0.237	0.461	0.689
0.700	13500.	14500.	0.700	6929.	2112.	0.414	0.015	0.057	0.207	0.414	0.639
0.800	14200.	17000.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.372	0.589
0.900	0.	0.	0.900	7125.	2172.	0.333	0.011	0.043	0.161	0.333	0.539
0.0	0.	0.	1.000	7250.	2210.	0.298	0.009	0.037	0.142	0.298	0.489
0.0	0.	0.	1.100	7375.	2248.	0.268	0.008	0.033	0.126	0.268	0.445
0.0	0.	0.	1.200	7500.	2286.	0.242	0.007	0.029	0.113	0.242	0.406
0.0	0.	0.	1.400	8067.	2459.	0.195	0.005	0.022	0.085	0.195	0.315
0.0	0.	0.	1.600	8633.	2631.	0.144	0.004	0.017	0.066	0.144	0.243
0.0	0.	0.	1.800	9200.	2804.	0.115	0.003	0.013	0.052	0.115	0.199
0.0	0.	0.	2.000	10100.	3079.	0.086	0.002	0.010	0.039	0.086	0.151
0.0	0.	0.	2.200	11000.	3353.	0.067	0.002	0.007	0.030	0.067	0.117
0.0	0.	0.	2.400	11500.	3505.	0.056	0.002	0.006	0.025	0.056	0.099
0.0	0.	0.	2.700	11875.	3620.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.000	12250.	3734.	0.040	0.001	0.004	0.018	0.040	0.070
0.0	0.	0.	3.500	12875.	3924.	0.031	0.001	0.003	0.014	0.031	0.055
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
217	4100	480	0	-18	15 10	1
218	3772	440	0	-18	15 10	2
219	3444	400	0	-18	15 10	3
220	3116	356	0	-18	15 10	4
221	2788	316	0	-18	15 10	5
222	2460	272	0	-19	15 10	6
223	2132	232	0	-20	15 10	7
224	1804	192	0	-20	15 10	8
[illegible]	[illegible]	[illegible]	0	-20	15 10	9

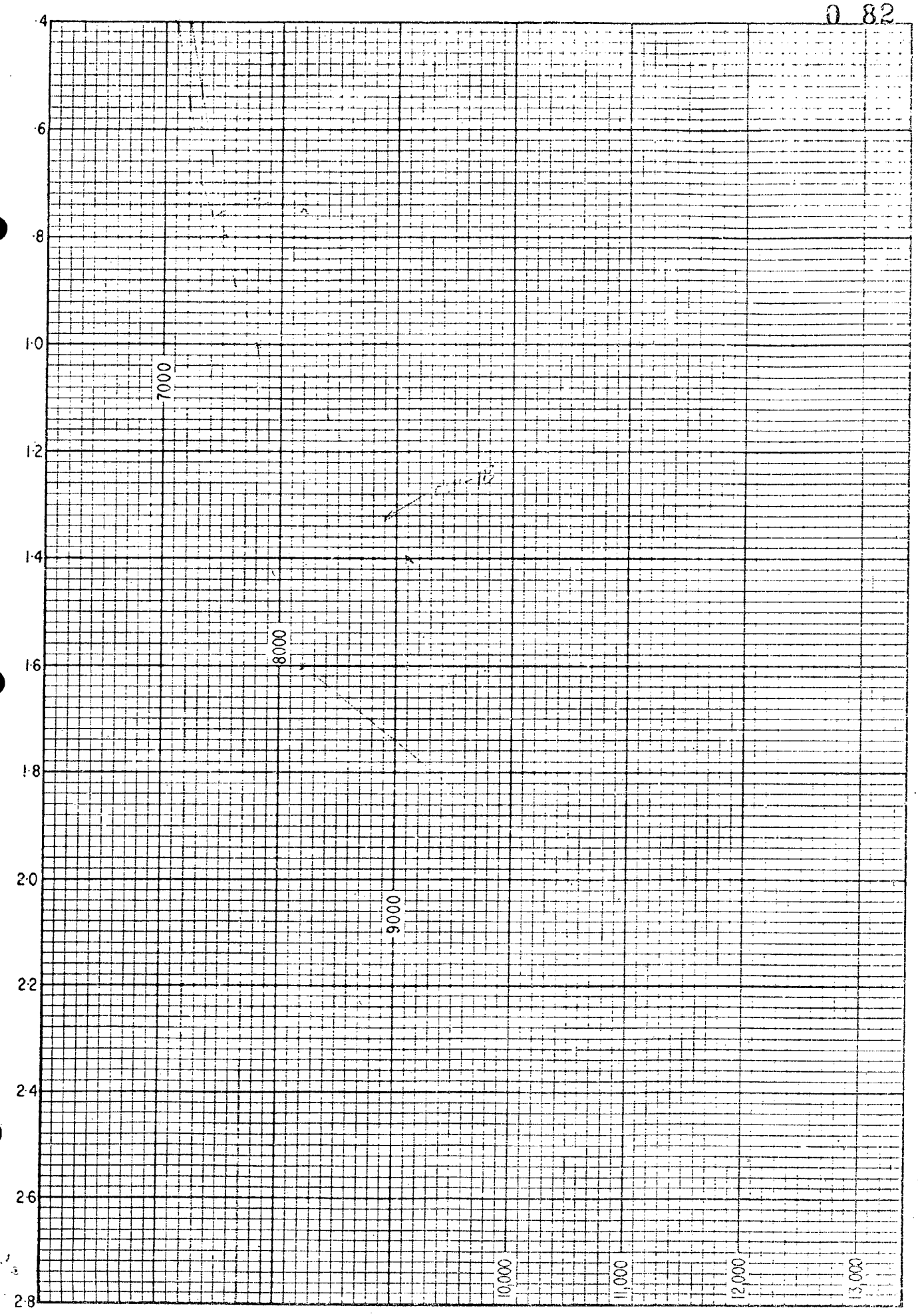
0 80

JOB.. ESSO LINE.. 071A-3 BEGIN VELOCITY FUNCTIONS AT STACK ID 90014 TRACE 12 13 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.214	0.468	0.711	0.920
0.800	7000.	7071.	0.200	6571.	2003.	0.735	0.051	0.164	0.418	0.661	0.870
1.000	7400.	9000.	0.300	6643.	2025.	0.652	0.036	0.125	0.368	0.611	0.823
1.400	8200.	10550.	0.400	6714.	2047.	0.579	0.027	0.099	0.319	0.561	0.776
1.800	10500.	19200.	0.500	6786.	2068.	0.516	0.021	0.080	0.273	0.511	0.728
2.400	12000.	16500.	0.600	6857.	2090.	0.461	0.017	0.067	0.237	0.461	0.679
4.000	13500.	15750.	0.700	6929.	2112.	0.414	0.015	0.057	0.207	0.414	0.629
5.000	14200.	17000.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.372	0.570
0.0	0.	0.	0.900	7200.	2195.	0.327	0.011	0.042	0.158	0.327	0.520
0.0	0.	0.	1.000	7400.	2256.	0.287	0.009	0.036	0.137	0.287	0.470
0.0	0.	0.	1.100	7625.	2324.	0.252	0.008	0.031	0.119	0.252	0.420
0.0	0.	0.	1.200	7850.	2393.	0.223	0.007	0.027	0.104	0.223	0.374
0.0	0.	0.	1.400	8300.	2530.	0.176	0.005	0.021	0.081	0.176	0.300
0.0	0.	0.	1.600	9400.	2865.	0.123	0.004	0.014	0.056	0.123	0.212
0.0	0.	0.	1.800	10500.	3200.	0.089	0.003	0.010	0.040	0.089	0.155
0.0	0.	0.	2.000	11000.	3353.	0.073	0.002	0.008	0.033	0.073	0.128
0.0	0.	0.	2.200	11500.	3505.	0.061	0.002	0.007	0.027	0.061	0.107
0.0	0.	0.	2.400	12000.	3658.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.700	12281.	3743.	0.044	0.001	0.005	0.020	0.044	0.077
0.0	0.	0.	3.000	12563.	3829.	0.038	0.001	0.004	0.017	0.038	0.067
0.0	0.	0.	3.500	13031.	3972.	0.030	0.001	0.003	0.013	0.030	0.053
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)
204	492	24	0	-18	14 98 12	
207	492	24	0	-18	14 98 13	
208	820	60	0	-18	14 98 14	
209	1148	104	0	-18	14 98 15	
210	1476	148	0	-19	14 98 16	
211	1804	188	0	-20	14 98 17	
212	2132	232	0	-20	14 98 18	
213	2460	272	0	-20	14 98 19	
214	2788	316	0	-20	14 98 20	

0 81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9000
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11,000
12,000
13,000

071A-4

4-1

JOB.. LESS LINE.. 071A-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 10008 TRACE 1 35 CDPS TO NEXT V

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.204	0.441	0.674	0.881
0.200	7100.	7233.	0.200	6833.	2083.	0.701	0.048	0.154	0.391	0.624	0.831
0.300	7300.	7567.	0.300	6967.	2123.	0.612	0.033	0.115	0.341	0.574	0.781
0.400	7400.	7867.	0.400	7100.	2164.	0.535	0.024	0.089	0.291	0.524	0.731
0.500	7500.	8167.	0.500	7167.	2184.	0.475	0.019	0.073	0.249	0.474	0.681
0.600	10500.	10750.	0.600	7233.	2205.	0.424	0.016	0.061	0.216	0.424	0.631
0.700	12000.	15000.	0.700	7300.	2225.	0.380	0.013	0.052	0.189	0.380	0.581
0.800	11500.	14000.	0.800	7467.	2276.	0.334	0.011	0.044	0.163	0.334	0.531
0.900	13700.	14500.	0.900	7633.	2327.	0.295	0.009	0.037	0.141	0.295	0.481
1.000	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.432
1.100	0.	0.	1.100	7967.	2398.	0.239	0.007	0.029	0.112	0.239	0.393
1.200	0.	0.	1.200	7933.	2418.	0.218	0.007	0.026	0.102	0.218	0.347
1.400	0.	0.	1.400	8067.	2459.	0.185	0.005	0.022	0.085	0.185	0.316
1.600	0.	0.	1.600	8200.	2499.	0.159	0.005	0.018	0.073	0.159	0.274
1.800	0.	0.	1.800	9350.	2850.	0.111	0.003	0.013	0.050	0.111	0.193
2.000	0.	0.	2.000	10500.	3200.	0.080	0.002	0.009	0.036	0.080	0.140
2.200	0.	0.	2.200	10800.	3292.	0.069	0.002	0.008	0.031	0.069	0.121
2.400	0.	0.	2.400	11100.	3383.	0.060	0.002	0.007	0.027	0.060	0.106
2.700	0.	0.	2.700	11550.	3520.	0.050	0.001	0.006	0.022	0.050	0.087
3.000	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
3.500	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
4.000	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
5.000	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
5.900	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP	(MAXIMUM) FOLD	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRAC
15	654	40	50	-9	8 1 13	3 11	1
16	934	76	50	-9	8 1 14	2 13 3 12 4 11	2
17	1212	120	400	-9	8 1 15	2 14 4 12 5 9	3
18	1440	160	475	-9	8 1 16	2 15 5 10 6 9	4
19	1868	200	550	-9	8 1 17	3 16 3 13 5 11 6 10 7 7	5
20	2296	240	625	-9	8 1 18	2 17 3 14 4 13 5 12 6 11 7 8 8 7	6
21	2624	280	700	-9	8 1 19	2 18 3 15 4 14 6 12 7 9 8 8 9 5	7
22	2 52	320	775	-9	8 1 20	2 19 3 16 4 15 7 10 8 9 9 6 10 5	8

SP-1307 0 80

JOB.. ESSO LINE.. 071A-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 20008 TRACE 12 48 CDPS TO NEXT V

TWO-WAY TIME	AVG.VEL. INT.VEL. FEET/SEC (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.204	0.441	0.674	0.881
0.200	7100.	7233.	0.200	6933.	2083.	0.701	0.048	0.154	0.391	0.624	0.831
0.300	7300.	7567.	0.300	6967.	2123.	0.612	0.033	0.115	0.341	0.574	0.781
0.400	7800.	8267.	0.400	7100.	2164.	0.535	0.024	0.083	0.291	0.524	0.731
0.500	8200.	8367.	0.500	7147.	2194.	0.475	0.019	0.073	0.249	0.474	0.681
0.600	10500.	13700.	0.600	7233.	2205.	0.424	0.016	0.061	0.216	0.424	0.631
0.700	12000.	15000.	0.700	7300.	2225.	0.380	0.013	0.052	0.189	0.380	0.581
0.800	13000.	16000.	0.800	7467.	2276.	0.334	0.011	0.044	0.163	0.334	0.531
0.900	13700.	16500.	0.900	7633.	2327.	0.295	0.009	0.037	0.141	0.295	0.481
1.000	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.432
1.100	0.	0.	1.100	7967.	2398.	0.239	0.007	0.029	0.112	0.239	0.398
1.200	0.	0.	1.200	8033.	2418.	0.218	0.007	0.026	0.102	0.218	0.367
1.400	0.	0.	1.400	8047.	2459.	0.185	0.005	0.022	0.085	0.185	0.316
1.600	0.	0.	1.600	8200.	2499.	0.159	0.005	0.018	0.073	0.159	0.274
1.800	0.	0.	1.800	8350.	2850.	0.111	0.003	0.013	0.050	0.111	0.193
2.000	0.	0.	2.000	10500.	3200.	0.080	0.002	0.009	0.036	0.080	0.140
2.200	0.	0.	2.200	10300.	3292.	0.069	0.002	0.008	0.031	0.069	0.121
2.400	0.	0.	2.400	11100.	3383.	0.060	0.002	0.007	0.027	0.060	0.106
2.700	0.	0.	2.700	11550.	3520.	0.050	0.001	0.006	0.022	0.050	0.087
3.000	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
3.500	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
4.000	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
5.000	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
5.900	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

0 84

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRAC
50	4266	472	1075	-8	8 13 24 14 23 15 20 16 19 17 16 18 15 21 10 22 9 23 6 24 5 25 2 26 1		12
51	3936	432	1000	-8	8 14 24 15 21 16 20 17 17 18 16 19 13 21 11 22 10 23 7 24 6 25 3 26 2		13
52	3439	336	925	-8	8 15 22 16 21 17 18 18 17 19 14 20 13 21 12 22 11 23 8 24 7 25 4 26 2		14
53	3936	432	1000	-8	8 15 23 16 22 17 19 18 18 19 15 20 14 22 12 23 9 24 8 25 5 26 4 27 1		15
54	4266	472	1075	-8	8 15 24 16 23 17 20 18 19 19 16 20 15 23 10 24 9 25 6 26 5 27 2 28 1		16
55	3936	432	1000	-8	8 16 24 17 21 18 20 19 17 20 16 21 13 23 11 24 10 25 7 26 6 27 3 28 2		17
56	3439	336	925	-8	8 17 22 18 21 19 18 20 17 21 14 22 13 23 12 24 11 25 8 26 7 27 4 28 2		18
57	3936	432	1000	-8	8 17 23 18 22 19 19 20 18 21 15 22 14 24 12 25 9 26 8 27 5 28 4		19

SP-1313

4-2

JOB.. ESSO LINE.. 071A-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 40008 TRACE 12 48 CDFS TO NEXT VEL

TWO-WAY TIME	AVG. VEL. (INPUT) FEET/SEC	INT. VEL. (INPUT) FEET/SEC	TWO-WAY TIME	AVG. VEL. FT/SEC (APPLIED)	AVG. VEL. M/SEC (APPLIED)	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	[illegible]
0.100	6800.	6800.	0.100	6800.	2073.	0.788	0.078	0.201	0.435	0.669	[illegible]
0.400	7200.	7333.	0.200	6933.	2113.	0.688	0.047	0.151	0.385	0.619	[illegible]
1.000	7400.	7533.	0.300	7067.	2154.	0.600	0.032	0.112	0.335	0.569	[illegible]
1.200	7600.	8600.	0.400	7200.	2195.	0.524	0.023	0.087	0.285	0.519	[illegible]
1.600	8300.	10400.	0.500	7233.	2205.	0.469	0.019	0.071	0.246	0.469	[illegible]
2.000	8800.	10800.	0.600	7267.	2215.	0.421	0.016	0.060	0.214	0.421	[illegible]
2.400	10000.	16000.	0.700	7300.	2225.	0.380	0.013	0.052	0.189	0.380	[illegible]
3.000	11500.	17500.	0.800	7333.	2235.	0.344	0.012	0.045	0.168	0.344	[illegible]
4.000	12500.	15500.	0.900	7367.	2245.	0.314	0.010	0.040	0.151	0.314	[illegible]
5.000	13200.	16000.	1.000	7400.	2256.	0.287	0.009	0.036	0.137	0.287	[illegible]
0.0	0.	0.	1.100	7500.	2286.	0.260	0.008	0.032	0.122	0.260	[illegible]
0.0	0.	0.	1.200	7600.	2316.	0.236	0.007	0.029	0.110	0.236	[illegible]
0.0	0.	0.	1.400	7950.	2423.	0.190	0.006	0.022	0.088	0.190	[illegible]
0.0	0.	0.	1.600	8300.	2530.	0.156	0.005	0.018	0.071	0.156	[illegible]
0.0	0.	0.	1.800	8550.	2606.	0.132	0.004	0.015	0.060	0.132	[illegible]
0.0	0.	0.	2.000	8800.	2682.	0.113	0.003	0.013	0.051	0.113	[illegible]
0.0	0.	0.	2.200	9400.	2865.	0.091	0.003	0.010	0.041	0.091	[illegible]
0.0	0.	0.	2.400	10000.	3048.	0.074	0.002	0.008	0.033	0.074	[illegible]
0.0	0.	0.	2.700	10750.	3277.	0.057	0.002	0.006	0.026	0.057	[illegible]
0.0	0.	0.	3.000	11500.	3505.	0.045	0.001	0.005	0.020	0.045	[illegible]
0.0	0.	0.	3.500	12000.	3658.	0.036	0.001	0.004	0.016	0.036	[illegible]
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	[illegible]
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	[illegible]
0.0	0.	0.	5.900	13830.	4215.	0.016	0.000	0.002	0.007	0.016	[illegible]

SP-1325

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPUT) TRACE
98	4264	464	1075	-11	8	37 24 38 23 39 20 40 19 41 16 42 15 45 10 46 9 47 6 48 5 49 2 50 1	12
99	3936	428	1000	-11	8	38 24 39 21 40 20 42 16 43 13 45 11 46 10 47 7 48 6 49 3 50 2	13
100	3608	392	925	-11	8	39 22 40 21 41 18 42 17 44 13 45 12 46 11 47 8 48 7 49 4 50 3	14
101	3936	428	1000	-11	8	39 23 40 22 41 19 42 18 43 15 44 14 46 12 47 9 48 8 49 5 50 4 51 1	15
102	4264	464	1075	-11	8	39 24 40 23 41 20 42 19 43 16 44 15 47 10 48 9 49 6 50 5 51 2 52 1	16
103	3936	428	1000	-11	8	40 24 41 21 43 17 44 16 47 11 48 10 49 7 50 6 51 3 52 2	17
104	3608	392	925	-11	8	41 22 42 21 43 18 44 17 46 13 47 12 48 11 49 8 50 7 51 4 52 3	18
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	41 23 42 22 43 19 44 18 45 15 46 14 48 12 49 9 50 8 51 5 52 4 53 1	19
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 44 1 [illegible] 6 52 [illegible]	[illegible]

0 85

JOB.. ESSO LINE.. 071A-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 60008 TRACE 12 24 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.206	0.449	0.679	0.865
0.700	7250.	7342.	0.200	6702.	2070.	0.706	0.048	0.156	0.399	0.629	0.815
0.900	7800.	9725.	0.300	6883.	2098.	0.622	0.033	0.118	0.349	0.579	0.765
1.300	8100.	8775.	0.400	6975.	2126.	0.549	0.025	0.092	0.299	0.529	0.715
1.500	9000.	14850.	0.500	7067.	2154.	0.485	0.020	0.075	0.255	0.479	0.665
1.900	10000.	15000.	0.600	7158.	2182.	0.431	0.016	0.062	0.220	0.429	0.615
3.000	12000.	15000.	0.700	7250.	2210.	0.384	0.013	0.052	0.191	0.379	0.565
4.000	13000.	16000.	0.800	7525.	2294.	0.329	0.011	0.043	0.160	0.329	0.515
5.000	13700.	16500.	0.900	7800.	2377.	0.284	0.009	0.036	0.136	0.284	0.465
0.0	0.	0.	1.000	7875.	2400.	0.257	0.008	0.032	0.122	0.257	0.425
0.0	0.	0.	1.100	7950.	2423.	0.234	0.007	0.028	0.110	0.234	0.391
0.0	0.	0.	1.200	8025.	2446.	0.214	0.006	0.026	0.099	0.214	0.360
0.0	0.	0.	1.400	8550.	2606.	0.166	0.005	0.019	0.076	0.166	0.284
0.0	0.	0.	1.600	9333.	2845.	0.124	0.004	0.014	0.056	0.124	0.215
0.0	0.	0.	1.800	10000.	3048.	0.097	0.003	0.011	0.044	0.097	0.170
0.0	0.	0.	2.000	10333.	3150.	0.083	0.002	0.009	0.037	0.083	0.145
0.0	0.	0.	2.200	10667.	3251.	0.071	0.002	0.008	0.032	0.071	0.124
0.0	0.	0.	2.400	11000.	3353.	0.061	0.002	0.007	0.027	0.061	0.108
0.0	0.	0.	2.700	11500.	3505.	0.050	0.001	0.006	0.022	0.050	0.088
0.0	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
0.0	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

SP-1338

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRACE
146	4264	480	1075	-14	8 61 24	62 23 63 20 64 19 65 16 66 15 69 10 70 9 71 6 72 5 73 2 74 1	12
147	3936	440	1000	-14	8 62 24	63 21 64 20 65 17 66 16 67 13 69 11 70 10 71 7 72 6 73 3 74 2	13
148	3408	404	925	-14	8 63 22	64 21 65 18 66 17 67 14 68 13 69 12 70 11 71 8 72 7 73 4 74 3	14
149	3936	440	1000	-14	8 63 23	64 22 65 19 66 18 67 15 68 14 70 12 71 9 72 8 73 5 74 4 75 1	15
150	4264	480	1075	-14	8 63 24	64 23 65 20 66 19 67 16 68 15 71 10 72 9 73 6 74 5 75 2 76 1	16
151	3936	440	1000	-14	8 64 24	65 21 66 20 67 17 68 16 69 13 71 11 72 10 73 7 74 6 75 3 76 2	17
152	3408	404	925	-14	8 65 22	66 21 67 18 68 17 69 14 70 13 71 12 72 11 73 8 74 7 75 4 76	

4-6

JOB.. ESSO LINE.. 071A-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 70008 TRACE 12

TWO-WAY TIME (INPUT)	AVG.VEL. FEET/SEC (INPUT)	INT.VEL. FEET/SEC (INPUT)	TWO-WAY TIME (APPLIED)	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC (APPLIED)	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	?00'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.207	0.453	0.640	0.842
0.500	7000.	7075.	0.200	6775.	2065.	0.708	0.049	0.157	0.403	0.590	0.792
0.700	7300.	9000.	0.300	6850.	2088.	0.626	0.034	0.119	0.353	0.540	0.742
1.600	8200.	8511.	0.400	6925.	2111.	0.554	0.025	0.093	0.303	0.490	0.692
1.800	9000.	15400.	0.500	7000.	2134.	0.492	0.020	0.076	0.258	0.440	0.642
2.000	10000.	19000.	0.600	7400.	2256.	0.409	0.015	0.058	0.208	0.390	0.592
3.000	12000.	16000.	0.700	7800.	2377.	0.340	0.012	0.045	0.168	0.340	0.542
4.000	13000.	16000.	0.800	7844.	2391.	0.307	0.010	0.040	0.149	0.307	0.496
5.000	13700.	16500.	0.900	7889.	2405.	0.278	0.009	0.035	0.133	0.278	0.456
0.0	0.	0.	1.000	7933.	2418.	0.254	0.008	0.031	0.120	0.254	0.420
0.0	0.	0.	1.100	7978.	2432.	0.233	0.007	0.028	0.109	0.233	0.388
0.0	0.	0.	1.200	8022.	2445.	0.214	0.006	0.026	0.099	0.214	0.360
0.0	0.	0.	1.400	8111.	2472.	0.183	0.005	0.022	0.084	0.183	0.313
0.0	0.	0.	1.600	8200.	2499.	0.159	0.005	0.018	0.073	0.159	0.274
0.0	0.	0.	1.800	9000.	2743.	0.119	0.003	0.014	0.054	0.119	0.208
0.0	0.	0.	2.000	10000.	3048.	0.088	0.002	0.010	0.040	0.088	0.154
0.0	0.	0.	2.200	10400.	3170.	0.074	0.002	0.008	0.033	0.074	0.131
0.0	0.	0.	2.400	10800.	3292.	0.063	0.002	0.007	0.028	0.063	0.112
0.0	0.	0.	2.700	11400.	3475.	0.051	0.001	0.006	0.023	0.051	0.090
0.0	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
0.0	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

SP-1344

CDP NO.	DIST (MAXIMUM)	NMO (MAXIMUM)	MUTE (MAXIMUM)	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)												TRACE
170	4264	480	1075	-14	8	73 24	74 23	75 20	76 19	77 16	78 15	81 10	82 9	83 6	84 5	85 2	86 1	12
171	3936	444	1000	-14	8	74 24	75 21	76 20	77 17	78 16	79 13	81 11	82 10	83 7	84 6	85 3	86	13
172	3608	404	925	-14	8	75 22	76 21	77 18	78 17	79 14	80 13	81 12	82 11	83 8	84 7	85 4	86	14
173	3936	444	1000	-14	8	75 23	76 22	77 19	78 18	79 15	80 14	82 12	83 9	84 8	85 5	86 4	87 1	15
174	4264	480	1075	-14	8	75 24	76 23	77 20	78 19	79 16	80 15	83 10	84 9	85 6	86 5	87 2	88	16
175	3936	444	1000	-14	8	76 24	77 21	78 20	79 17	80 16	81 13	83 11	84 10	85 7	86 6	87 3	88	17
176	3608	404	925	-14	8	77 22	78 21	79 18	80 17	81 14	82 13	83 12	84 11	85 8	86 7	87 4	88	18
177	3936	440	1000	-14	8	77 23	78 22	79 19	80 18	81 15	82 14	84 12	85 9	86 8	87 5	88 4	89	19
17[illegible]	[illegible]	[illegible]	[illegible]	-14	8	77 24	78 23	79 20	80 19	81 16	82 15	85 10	[illegible]	[illegible] 6	[illegible] 5	[illegible] 2	[illegible]	[illegible]

JOB.. PSSP TIME.. 07:14-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 90008 TRACE 12 72 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.203	0.435	0.666	0.955
0.400	7200.	7367.	0.200	6867.	2093.	0.696	0.047	0.153	0.385	0.616	0.805
0.900	7500.	7745.	0.300	7033.	2144.	0.604	0.032	0.113	0.335	0.566	0.755
1.100	8400.	12450.	0.400	7200.	2195.	0.524	0.023	0.087	0.285	0.516	0.705
1.300	9400.	16971.	0.500	7260.	2213.	0.466	0.019	0.071	0.244	0.466	0.655
3.000	12000.	15000.	0.600	7320.	2231.	0.416	0.015	0.059	0.212	0.416	0.605
4.000	13000.	16000.	0.700	7380.	2249.	0.373	0.013	0.051	0.185	0.373	0.555
5.000	13700.	14500.	0.800	7440.	2268.	0.336	0.011	0.044	0.164	0.336	0.505
0.0	0.	0.	0.900	7500.	2286.	0.304	0.010	0.039	0.146	0.303	0.455
0.0	0.	0.	1.000	7950.	2423.	0.253	0.008	0.031	0.119	0.253	0.405
0.0	0.	0.	1.100	8400.	2560.	0.212	0.006	0.025	0.099	0.212	0.355
0.0	0.	0.	1.200	8543.	2604.	0.190	0.006	0.023	0.088	0.190	0.322
0.0	0.	0.	1.400	8829.	2691.	0.156	0.005	0.018	0.071	0.156	0.268
0.0	0.	0.	1.600	9114.	2778.	0.130	0.004	0.015	0.059	0.130	0.225
0.0	0.	0.	1.800	9400.	2865.	0.110	0.003	0.013	0.050	0.110	0.191
0.0	0.	0.	2.000	9833.	2997.	0.091	0.003	0.010	0.041	0.091	0.159
0.0	0.	0.	2.200	10267.	3129.	0.076	0.002	0.009	0.034	0.076	0.134
0.0	0.	0.	2.400	10700.	3261.	0.065	0.002	0.007	0.029	0.065	0.114
0.0	0.	0.	2.700	11350.	3459.	0.051	0.001	0.006	0.023	0.051	0.090
0.0	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
0.0	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

SP-1356

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRACE
218	4264	464	1075	-15	8 97 24	98 23 99 20 0 19 1 16 2 15 5 10 6 9 7 6 8 5 9 2 10 1	12
219	3936	428	1000	-16	8 98 24	99 21 0 20 1 17 2 16 3 13 5 11 6 10 7 7 8 6 9 3 10 2	13
220	3608	392	925	-16	8 99 22	0 21 1 18 2 17 3 14 4 13 5 12 6 11 7 8 8 7 9 4 10 3	14
221	3936	428	1000	-16	8 99 23	0 22 1 19 2 18 3 15 4 14 6 12 7 9 8 8 9 5 10 4 11 1	15
222	4264	464	1075	-16	9 99 24	0 23 1 20 2 19 3 16 4 15 7 10 8 9 9 6 10 5 11 2 12 1	16
223	3936	428	1000	-16	9 0 24	1 21 2 20 3 17 4 16 5 13 7 11 8 10 9 7 10 6 11 3 12 2	17
224	3608	392	925	-17	9 1 22	2 21 3 18 4 17 5 14 6 13 7 12 8 11 9 8 10 7 11 4 12 3	18
225	3936	428	1000	-17	9 1 23	2 22 3 19 4 18 5 15 6 14 8 12 9 9 10 8 11 5 12 4 13 1	19
226	4264	464	1075	-17	9 1 24	2 23 3 20 4 19 5 16 6 15 9 10 10 9 11 6 12 5 13 2 14 1	20
227	3936	428	1000	-17	9 2 24	2 21 4 20 5 17 6 16 7 13 9 11 10 10 11 7 12 6 13 3 14 2	21
[illegible]	[illegible]	[illegible]	[illegible]	-17	[illegible]	[illegible]	[illegible]

0 80

[illegible] LINE.. 971A-4 [illegible] VELOCITY FUNCTIONS AT STACK ID 120008 TRACE [illegible] 4-4 GOES TO NEXT VF

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	[illegible]00'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.204	0.441	0.680	0.920
0.400	7100.	7233.	0.200	6833.	2083.	0.701	0.048	0.154	0.391	0.630	0.870
1.000	7200.	7267.	0.300	6967.	2123.	0.612	0.033	0.115	0.341	0.580	0.820
1.200	7600.	9633.	0.400	7100.	2164.	0.535	0.024	0.089	0.291	0.530	0.770
1.600	8200.	13000.	0.500	7117.	2169.	0.480	0.019	0.074	0.252	0.480	0.720
2.400	10500.	15100.	0.600	7133.	2174.	0.433	0.016	0.062	0.221	0.433	0.670
3.000	12000.	18000.	0.700	7150.	2179.	0.393	0.014	0.054	0.196	0.393	0.620
4.000	13000.	16000.	0.800	7167.	2184.	0.358	0.012	0.047	0.175	0.358	0.573
5.000	13700.	155[illegible].	0.900	7183.	2189.	0.328	0.011	0.042	0.158	0.328	[illegible]
0.0	0.	0.	1.000	7200.	2195.	0.302	0.010	0.039	0.144	0.302	[illegible]
0.0	0.	0.	1.100	7400.	2256.	0.267	0.008	0.033	0.126	0.267	[illegible]
0.0	0.	0.	1.200	7600.	2316.	0.236	0.007	0.029	0.110	0.236	0.396
0.0	0.	0.	1.400	7900.	2408.	0.193	0.006	0.023	0.089	0.193	0.328
0.0	0.	0.	1.600	8200.	2499.	0.159	0.005	0.018	0.073	0.159	0.274
0.0	0.	0.	1.800	8775.	2675.	0.125	0.004	0.014	0.057	0.125	0.218
0.0	0.	0.	2.000	9350.	2850.	0.100	0.003	0.011	0.045	0.100	0.175
0.0	0.	0.	2.200	9925.	3025.	0.082	0.002	0.009	0.037	0.082	0.143
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	[illegible]	0.030	0.067	0.118
0.0	0.	0.	2.700	11250.	3429.	0.052	0.001	[illegible]	0.023	0.052	.092
0.0	0.	0.	3.000	12000.	3658.	0.041	0.001	[illegible]	0.01[illegible]	0.041	.073
0.0	0.	0.	3.500	12500.	3810.	0.033	0.001	[illegible]	.015	0.033	.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.000	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

SP-1374

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)														(OUTPUT TRACE
290	4264	472	1075	-18	9	32 24	34 23	35 20	36 19	37 16	38 15	41 10	42 9	43 6	44 5	45 2	46 1			12
291	3936	432	1000	-18	9	34 24	35 21	36 20	37 17	38 16	39 13	41 11	42 10	43 7	44 6	45 3	46 2			13
292	3608	396	925	-18	9	35 22	36 21	37 18	38 17	39 14	40 13	41 12	42 11	43 8	44 7	45 4	46 3			14
293	3936	436	1000	-17	9	35 23	36 22	37 19	38 18	39 15	40 14	42 12	43 9	44 8	45 5	46 4	47 1			15
294	4264	472	1075	-17	9	35 24	36 23	37 20	38 19	39 16	40 15	43 10	44 9	45 6	46 5	47 2	48 1			16
295	3936	436	1000	-17	9	36 24	37 21	38 20	39 17	40 16	41 13	43 11	44 10	45 7	46 6	47 3	48 2			17
296	3608	400	925	-17	9	37 22	38 21	39 18	40 17	41 14	42 13	43 12	44 11	45 8	46 7	47 4	48 3			18
297	3936	436	1000	-16	9	37 23	38 22	39 19	40 18	41 15	42 14	44 12	45 9	46 8	47 5	48 4	49 1			19
298	4264	476	1075	-16	9	37 24	38 23	39 20	40 19	41 16	42 15	45 10	46 9	47 6	48 5	49 2	50 1			20
299	3936	436	1000	-16	9	38 24	39 21	40 20	41 17	42 16	43 13	45 11	46 10	47 7	48 6	49 3	50 2			21
300	3608	400	925	-16	9	39 22	40 21	41 18	42 17	43 14	44 13	45 12	46 11	47 8	48 7	49 4	50 3			22
301	[illegible]	[illegible]	[illegible]	-16	9	39 23	40 22	41 19	42 18	43 15	44 14	46 12	47 9	48 8	49 5	50 4	51 [illegible]			23
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41 [illegible]	42 1[illegible]	[illegible]	[illegible]	47 1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 51			[illegible]

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4-7

JOB.. ESSO LINE.. 071A-4 BEGIN VELOCITY FUNCTIONS AT STACK ID 130008 TRACE 12 0 CDPS TO NEXT V

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6700.	6700.	0.100	6700.	2042.	0.801	0.080	0.207	0.454	0.700	0.942
0.400	6900.	6967.	0.200	6767.	2062.	0.709	0.049	0.157	0.404	0.650	0.892
0.800	7000.	7100.	0.300	6833.	2083.	0.628	0.034	0.119	0.354	0.600	0.842
1.000	7200.	7633.	0.400	6900.	2103.	0.557	0.025	0.094	0.304	0.550	0.792
1.200	7600.	8500.	0.500	6925.	2111.	0.500	0.020	0.077	0.264	0.500	0.742
1.600	8200.	10000.	0.600	6950.	2118.	0.451	0.017	0.065	0.231	0.451	0.692
2.400	10500.	15167.	0.700	6975.	2126.	0.409	0.015	0.056	0.205	0.409	0.642
3.000	12000.	19000.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.372	0.592
4.000	13000.	16000.	0.900	7100.	2164.	0.335	0.011	0.043	0.162	0.335	0.542
5.000	13700.	15333.	1.000	7200.	2195.	0.302	0.010	0.038	0.144	0.302	0.492
0.0	0.	0.	1.100	7400.	2256.	0.267	0.008	0.033	0.126	0.267	0.442
0.0	0.	0.	1.200	7600.	2316.	0.236	0.007	0.029	0.110	0.236	0.396
0.0	0.	0.	1.400	7900.	2408.	0.193	0.006	0.023	0.089	0.193	0.328
0.0	0.	0.	1.600	8200.	2499.	0.159	0.005	0.018	0.073	0.159	0.274
0.0	0.	0.	1.800	8775.	2675.	0.125	0.004	0.014	0.057	0.125	0.218
0.0	0.	0.	2.000	9350.	2850.	0.100	0.003	0.011	0.045	0.100	0.175
0.0	0.	0.	2.200	9925.	3025.	0.082	0.002	0.009	0.037	0.082	0.143
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.700	11250.	3429.	0.052	0.001	0.006	0.023	0.052	0.092
0.0	0.	0.	3.000	12000.	3658.	0.041	0.001	0.005	0.018	0.041	0.073
0.0	0.	0.	3.500	12500.	3810.	0.033	0.001	0.004	0.015	0.033	0.058
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

SP-1380.

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRAC
314	4264	484	1075	-15	9 45 24 46 23 47 20 48 19 49 16 50 15 53 10 54 9 55 6 56 5 57 2 58 1		12
315	3936	444	1000	-15	9 46 24 47 21 48 20 49 17 50 16 51 13 53 11 54 10 55 7 56 6 57 3 58 2		13
316	3608	409	925	-15	9 47 22 48 21 49 18 50 17 51 14 52 13 53 12 54 11 55 8 56 7 57 4 58 3		14
317	3936	444	1000	-15	9 47 23 48 22 49 19 50 18 51 15 52 14 54 12 55 9 56 8 57 5 58 4 59 1		15
318	4264	484	1075	-15	9 47 24 48 23 49 20 50 19 51 16 52 15 55 10 56 9 57 6 58 5 59 2 60 1		16
319	3936	444	1000	-15	9 48 24 49 21 50 20 51 17 52 16 53 13 55 11 56 10 57 7 58 6 59 3 60 2		17
320	3608	409	925	-15	9 49 22 50 21 51 18 52 17 53 14 54 13 55 12 56 11 57 8 58 7 59 4 60 3		18
321	3936	444	1000	-15	9 49 23 50 22 51 19 52 18 53 15 54 14 56 12 57 9 58 8 59 5 60 4 61		19

90

ESSO

5—

108.. ESSO LINE.. 071A-5 BEGIN VELOCITY FUNCTIONS AT STACK ID 10010 TRACE 1 59 CDP TO NEXT

TWO-WAY TIME	AVG.VEL. (INPUT) FEET/SEC	INT.VEL. (INPUT) FEET/SEC	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC (APPLIED)	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.211	0.448	0.692	0.940
0.400	7000.	7167.	0.200	6667.	2032.	0.722	0.050	0.161	0.398	0.642	0.890
0.900	7000.	7000.	0.300	6833.	2083.	0.628	0.034	0.119	0.348	0.592	0.840
1.200	7500.	9200.	0.400	7000.	2134.	0.546	0.025	0.092	0.298	0.542	0.790
1.600	8200.	11300.	0.500	7000.	2134.	0.492	0.020	0.074	0.259	0.492	0.740
2.200	10400.	16000.	0.600	7000.	2134.	0.446	0.017	0.065	0.229	0.444	0.690
3.000	12500.	16275.	0.700	7000.	2134.	0.407	0.014	0.056	0.204	0.407	0.640
4.000	13500.	16500.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.372	0.595
5.000	14200.	17000.	0.900	7000.	2134.	0.343	0.011	0.044	0.166	0.343	0.555
0.0	0.	0.	1.000	7100.	2164.	0.309	0.010	0.039	0.148	0.309	0.507
0.0	0.	0.	1.100	7200.	2195.	0.280	0.009	0.035	0.132	0.280	0.466
0.0	0.	0.	1.200	7300.	2225.	0.254	0.008	0.031	0.119	0.254	0.425
0.0	0.	0.	1.400	7800.	2377.	0.197	0.006	0.023	0.091	0.197	0.335
0.0	0.	0.	1.600	8300.	2530.	0.156	0.005	0.018	0.071	0.156	0.265
0.0	0.	0.	1.800	9000.	2743.	0.119	0.003	0.014	0.054	0.119	0.208
0.0	0.	0.	2.000	9700.	2957.	0.093	0.003	0.011	0.042	0.092	0.163
0.0	0.	0.	2.200	10400.	3170.	0.074	0.002	0.008	0.033	0.074	0.131
0.0	0.	0.	2.400	10925.	3330.	0.062	0.002	0.007	0.028	0.062	0.103
0.0	0.	0.	2.700	11712.	3570.	0.048	0.001	0.005	0.022	0.048	0.085
0.0	0.	0.	3.000	12500.	3810.	0.038	0.001	0.004	0.017	0.038	0.068
0.0	0.	0.	3.500	13000.	3962.	0.030	0.001	0.003	0.013	0.030	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	(MAXIMUM) NMO	(MAXIMUM) MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)									TRA
14	492	24	[illegible]	-15	10	2 12									
15	823	65	[illegible]	-15	10	1 13	3 11								
16	1149	104	[illegible]	-15	10	1 14	3 12	4 10							
17	1476	148	400	-15	10	1 15	2 13	4 11	5 9						
18	1804	184	445	-15	10	1 16	2 14	4 12	5 10	6 8					
19	2132	228	525	-14	10	1 17	2 15	3 13	5 11	6 9	7 7				
20	2460	268	582	-14	10	1 18	2 16	3 14	5 12	6 10	7 8	8 6			
21	2788	306	650	-14	10	1 19	2 17	3 15	4 13	6 11	7 9	8 7	9 5		
22	[illegible]	[illegible]	[illegible]	-14	1	1 [illegible]	[illegible]	3 16	4 1[illegible]	[illegible]					

JOB.. PSSP TIME.. 0714-5 BEGIN VELOCITY FUNCTIONS AT STACK ID 30010 TRACE 12 48 CDP TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	RMO (6000')	RMO WITH LIMITING FACTOR --- 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.828	0.083	0.211	0.448	0.622	0.840
0.200	7200.	7167.	0.200	6667.	2032.	0.722	0.050	0.161	0.398	0.642	0.800
0.300	7500.	7500.	0.300	6833.	2083.	0.628	0.034	0.119	0.348	0.592	0.840
0.400	7800.	8200.	0.400	7000.	2134.	0.566	0.025	0.092	0.298	0.542	0.790
0.500	8400.	11300.	0.500	7000.	2134.	0.492	0.020	0.076	0.259	0.492	0.740
0.600	10400.	14000.	0.600	7000.	2134.	0.446	0.017	0.065	0.229	0.446	0.690
0.700	12500.	15275.	0.700	7100.	2134.	0.407	0.014	0.056	0.204	0.407	0.660
0.800	13500.	14500.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.372	0.595
0.900	14200.	17000.	0.900	7000.	2134.	0.343	0.011	0.044	0.166	0.343	0.555
0.0	0.	0.	1.000	7100.	2164.	0.309	0.010	0.039	0.148	0.309	0.507
0.0	0.	0.	1.100	7200.	2195.	0.280	0.009	0.035	0.132	0.280	0.464
0.0	0.	0.	1.200	7300.	2225.	0.254	0.008	0.031	0.119	0.254	0.425
0.0	0.	0.	1.400	7300.	2377.	0.197	0.006	0.023	0.091	0.197	0.335
0.0	0.	0.	1.600	8300.	2530.	0.156	0.005	0.018	0.071	0.156	0.268
0.0	0.	0.	1.800	9000.	2743.	0.119	0.003	0.014	0.054	0.119	0.208
0.0	0.	0.	2.000	9700.	2957.	0.093	0.003	0.011	0.042	0.093	0.163
0.0	0.	0.	2.200	10400.	3170.	0.074	0.002	0.008	0.033	0.074	0.131
0.0	0.	0.	2.400	10925.	3330.	0.062	0.002	0.007	0.028	0.062	0.109
0.0	0.	0.	2.700	11712.	3570.	0.049	0.001	0.005	0.022	0.049	0.085
0.0	0.	0.	3.000	12500.	3810.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.500	13000.	3962.	0.030	0.001	0.003	0.013	0.030	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4329.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.300	14930.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

COE NO.	..... (MAXIMUM) ..... DIST	[illegible]	[illegible]	STAT	INPUT REEL ..... (INPUT FILES - TRACE NUMBERS)	T
73	4100	460	[illegible]	-15	10 25 23 26 21 27 19 28 17 29 15 30 13 32 11 33 9 34 7 35 5 36 3 [illegible]	1
74	4100	460	[illegible]	-15	10 25 24 26 22 27 20 28 18 29 16 30 14 32 12 33 10 34 8 35 6 36 4 [illegible]	2
75	4100	460	[illegible]	-15	10 26 23 27 21 28 19 29 17 30 15 31 13 33 11 34 9 35 7 36 5 37 3 [illegible]	1
76	4100	460	[illegible]	-15	10 26 24 27 22 28 20 29 18 30 16 31 14 33 12 34 10 35 8 36 6 37 4 [illegible]	2
77	4100	460	[illegible]	-15	10 27 23 28 21 29 19 30 17 31 15 32 13 34 11 35 9 36 7 37 5 38 3 [illegible]	1
78	4100	460	[illegible]	-15	10 27 24 28 22 29 20 30 18 31 16 32 14 34 12 35 10 36 8 37 6 38 4 [illegible]	2
79	4100	460	[illegible]	-15	10 28 23 29 21 30 19 31 17 32 15 33 13 35 11 36 9 37 7 38 5 39 3 [illegible]	1
80	4100	460	[illegible]	-16	10 28 24 29 22 30 20 31 18 32 16 33 14 35 12 36 10 37 8 38 6 39 4 [illegible]	2
[illegible]	[illegible]	[illegible]	[illegible]	-16	[illegible]	[illegible]

0 92

JOB.. PSSP LINE.. 071A-5 BEGIN VELOCITY FUNCTIONS AT STACK ID 50010 TRACE 12 9[illegible] TO 9[illegible]

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	6500.	0.100	6500.	1981.	0.82[illegible]	0.083	0.207	0.445	0.6[illegible]	0.[illegible]
0.300	6[illegible].	7250.	0.200	6750.	2057.	0.711	0.049	0.157	0.395	0.6[illegible]	0.[illegible]
0.[illegible]	7000.	7000.	0.300	7000.	2134.	0.609	0.032	0.114	0.345	0.[illegible]	0.[illegible]
1.[illegible]	7[illegible]	7501.	0.400	7000.	2134.	0.546	0.025	0.092	0.298	0.542	0.[illegible]
1.[illegible]	7[illegible]	9000.	0.500	7000.	2134.	0.492	0.020	0.076	0.259	0.[illegible]	0.[illegible]
1.[illegible]	[illegible]	12300.	0.600	7000.	2134.	0.446	0.017	0.065	0.229	0.446	0.[illegible]
1.[illegible]	[illegible]	15000.	0.700	7050.	2149.	0.402	0.014	0.055	0.201	0.402	0.[illegible]
2.[illegible]	10700.	22400.	0.800	7100.	2164.	0.364	0.012	0.048	0.178	0.364	0.[illegible]
2.400	11700.	16700.	0.900	7150.	2179.	0.331	0.011	0.042	0.160	0.331	0.[illegible]
4.[illegible]	13500.	14200.	1.000	7200.	2195.	0.302	0.010	0.038	0.144	0.302	0.[illegible]
5.[illegible]	14200.	17000.	1.100	7350.	2240.	0.270	0.008	0.033	0.127	0.270	0.[illegible]
0.0	0.	0.	1.200	7500.	2286.	0.242	0.007	0.029	0.113	0.242	0.406
0.0	0.	0.	1.400	8100.	2469.	0.194	0.005	0.022	0.085	0.194	0.313
0.0	0.	0.	1.600	8700.	2652.	0.142	0.004	0.016	0.065	0.142	0.245
0.0	0.	0.	1.800	9400.	2865.	0.110	0.003	0.013	0.050	0.110	0.191
0.0	0.	0.	2.000	10700.	3261.	0.077	0.002	0.009	0.035	0.077	0.135
0.0	0.	0.	2.200	11200.	3414.	0.064	0.002	0.007	0.029	0.064	0.113
0.0	0.	0.	2.400	11700.	3564.	0.054	0.002	0.006	0.024	0.054	0.096
0.0	0.	0.	2.700	12033.	3669.	0.046	0.001	0.005	0.020	0.046	0.081
0.0	0.	0.	3.000	12375.	3772.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.500	12938.	3943.	0.031	0.001	0.003	0.014	0.031	0.054
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14330.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

COE NO.	..... (MAXIMUM) ..... DIST	MAX	MIN	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	T
121	4100	456	000	-17	10 49 23 50 21 51 19 52 17 53 15 54 13 56 11 57 9 58 7 59 5 60 3 61 1		
122	4100	456	000	-17	10 49 24 50 22 52 18 53 16 54 14 56 12 57 10 58 8 59 6 60 4 61 2		
123	4100	456	000	-17	10 50 23 51 21 52 19 53 17 54 15 55 13 57 11 58 9 59 7 60 5 61 3 62 1		
124	4100	456	000	-17	10 50 24 52 20 53 18 54 16 55 14 57 12 58 10 59 8 60 6 61 4 62 2		
125	4100	460	000	-17	10 51 23 52 21 53 19 54 17 55 15 56 13 58 11 59 9 60 7 61 5 62 3 63 1		0 93
126	4100	460	000	-17	10 51 24 52 22 53 20 54 18 55 16 56 14 58 12 59 10 60 8 61 6 62 4 63 2		
127	4100	460	000	-17	10 52 23 53 21 54 19 55 17 56 15 57 13 59 11 60 9 61 7 62 5 63 3	1	
128	4100	460	[illegible]	-17	10 52 24 53 22 54 20 55 18 56 16 57 14 59 12 60 10 61 8 62 6 63 4	2	
129	4100	464	[illegible]	-17	10 53 23 54 21 55 19 [illegible]	[illegible]	

5-3

JOB.. [illegible] LINE.. 0713-5 BEGIN VELOCITY FUNCTIONS AT STACK ID 90010 TRACE 12 72 CDP TO REST [illegible]

TWO-WAY TIME	AVG.VEL. -- FEET/SEC (INPUT)	INT.VEL. -- FEET/SEC (INPUT)	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC (APPLIED)	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6500.	[illegible].	0.100	6500.	1981.	0.828	0.083	0.213	0.461	0.696	0.932
0.400	6800.	6900.	0.200	6600.	2012.	0.731	0.051	0.163	0.411	0.646	0.882
0.600	7000.	7400.	0.300	6700.	2042.	0.644	0.035	0.123	0.341	0.596	0.832
1.000	7200.	[illegible].	0.400	6800.	2073.	0.569	0.026	0.096	0.311	0.546	0.782
1.400	8300.	11[illegible].	0.500	6900.	2103.	0.503	0.021	0.078	0.266	0.494	0.732
1.800	9000.	11[illegible].	0.600	7000.	2134.	0.446	0.017	0.065	0.229	0.446	0.682
2.000	9500.	1[illegible].	0.700	7050.	2149.	0.402	0.014	0.055	0.201	0.402	0.632
2.200	10600.	21[illegible].	0.800	7100.	2164.	0.364	0.012	0.048	0.178	0.364	0.582
2.800	12000.	17133.	0.900	7150.	2179.	0.331	0.011	0.042	0.160	0.331	0.533
4.000	13500.	1[illegible].	1.000	7200.	2195.	0.302	0.010	0.038	0.144	0.302	0.483
5.000	14200.	17000.	1.100	7475.	2278.	0.262	0.008	0.032	0.123	0.262	0.423
0.0	0.	0.	1.200	7750.	2362.	0.228	0.007	0.027	0.106	0.228	0.383
0.0	0.	0.	1.400	8300.	2530.	0.176	0.005	0.021	0.081	0.176	0.300
0.0	0.	0.	1.600	8600.	2621.	0.145	0.004	0.017	0.066	0.145	0.251
0.0	0.	0.	1.800	8900.	2713.	0.122	0.004	0.014	0.055	0.122	0.212
0.0	0.	0.	2.000	9500.	2896.	0.097	0.003	0.011	0.044	0.097	0.170
0.0	0.	0.	2.200	10600.	3231.	0.072	0.002	0.008	0.032	0.072	0.126
0.0	0.	0.	2.400	11067.	3373.	0.060	0.002	0.007	0.027	0.060	0.107
0.0	0.	0.	2.700	11767.	3586.	0.048	0.001	0.005	0.021	0.048	0.084
0.0	0.	0.	3.000	12250.	3734.	0.040	0.001	0.004	0.018	0.040	0.070
0.0	0.	0.	3.500	12875.	3924.	0.031	0.001	0.003	0.014	0.031	0.055
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.019	0.032
0.0	0.	0.	5.900	14830.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	DIST (MAXIMUM)	NMO (MAXIMUM)	MUTE (MAXIMUM)	STAT	INPUT REEL	INPUT FILES - TRACE NUMBERS	TRAC
217	4100	472	999	-15	10	95 23 96 21 97 19 98 17 99 15 0 13 2 11 3 9 4 7 5 5 6 3 7 1	[illegible]
218	4100	472	999	-15	10	95 24 96 22 97 20 98 18 99 16 0 14 2 12 3 10 4 8 5 6 6 4 7 2	[illegible]
219	4100	472	999	-15	10	96 23 97 21 98 19 99 17 0 15 1 13 3 11 4 9 5 7 6 5 7 3 [illegible] 1	[illegible]
220	4100	472	999	-15	10	96 24 97 22 99 18 0 16 1 14 3 12 4 10 5 8 6 6 7 4 8 2	[illegible]
221	4100	472	999	-15	10	97 23 98 21 99 19 0 17 1 15 2 13 4 11 5 9 6 7 7 5 8 3	[illegible]
222	4100	472	999	-15	10	97 24 98 22 99 20 0 18 1 16 2 14 4 12 5 10 6 8 7 6 8 4 9 [illegible]	[illegible]
223	4100	472	999	-15	10	98 23 99 21 0 19 1 17 2 15 3 13 5 11 6 9 7 7 8 5 9 3 10 [illegible]	[illegible]
224	4100	472	900	-16	10	98 24 99 22 0 20 1 18 2 16 3 14 5 12 6 10 7 8 8 6 9 4 1[illegible]	[illegible]
225	4100	472	[illegible]	-16	10	99 23 0 21 1 19 2 17 3 15 4 1[illegible] 6 11 [illegible]	[illegible]

0 94

JOB.. PSSD LINE.. 0714-5 BEGIN VELOCITY FUNCTIONS AT STACK ID 120010 TRACE 12 0 C TO NEX

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	I.F.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')
0.100	6500.	6500.	0.100	6500.	1981.	0.828
0.200	7000.	7125.	0.200	6625.	2019.	0.727
0.300	7300.	7300.	0.300	6750.	2057.	0.633
1.200	7500.	7900.	0.400	6875.	2096.	0.560
1.600	8800.	12700.	0.500	7000.	2134.	0.492
1.800	9200.	12400.	0.600	7100.	2164.	0.436
2.000	11000.	27200.	0.700	7200.	2195.	0.388
2.050	12500.	15500.	0.800	7300.	2225.	0.347
4.000	13500.	14500.	0.900	7350.	2240.	0.315
5.000	14200.	13000.	1.000	7400.	2256.	0.287
0.0	0.	0.	1.100	7450.	2271.	0.263
0.0	0.	0.	1.200	7500.	2286.	0.242
0.0	0.	0.	1.400	8150.	2484.	0.182
0.0	0.	0.	1.600	8800.	2682.	0.139
0.0	0.	0.	1.800	9200.	2804.	0.115
0.0	0.	0.	2.000	11000.	3353.	0.073
0.0	0.	0.	2.200	11300.	3444.	0.063
0.0	0.	0.	2.400	11600.	3536.	0.055
0.0	0.	0.	2.700	12050.	3673.	0.046
0.0	0.	0.	3.000	12500.	3810.	0.038
0.0	0.	0.	3.500	13000.	3962.	0.030
0.0	0.	0.	4.000	13500.	4115.	0.025
0.0	0.	0.	5.000	14200.	4328.	0.018
0.0	0.	0.	5.900	14830.	4520.	0.014

	NMO WITH LIMITING FACTOR --				
1000'	2000'	4000'	6000'	8000'	
0.083	0.212	0.456	0.686	0.907	
0.051	0.162	0.406	0.633	0.857	
0.035	0.122	0.356	0.586	0.807	
0.026	0.095	0.306	0.536	0.757	
0.020	0.076	0.259	0.486	0.707	
0.016	0.063	0.223	0.436	0.657	
0.014	0.053	0.196	0.388	0.607	
0.012	0.046	0.170	0.347	0.557	
0.010	0.040	0.152	0.315	0.512	
0.009	0.036	0.137	0.287	0.473	
0.008	0.032	0.124	0.263	0.437	
0.007	0.029	0.113	0.242	0.406	
0.005	0.021	0.084	0.182	0.310	
0.004	0.016	0.063	0.139	0.240	
0.003	0.013	0.052	0.115	0.199	
0.002	0.008	0.033	0.073	0.128	
0.002	0.007	0.028	0.063	0.111	
0.002	0.006	0.025	0.055	0.097	
0.001	0.005	0.020	0.044	0.080	
0.001	0.004	0.017	0.038	0.068	
0.001	0.003	0.013	0.030	0.054	
0.001	0.003	0.011	0.025	0.044	
0.000	0.002	0.008	0.018	0.032	
0.000	0.002	0.006	0.014	0.025	

CDP NO.	(MAXIMUM) DIST	NOM	DIFF	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TR
289	4100	448	993	-17	11 31 23 32 21 33 19 34 17 35 15 36 13 38 11 39 9 40 7 41 5 42 3 43 1		
290	4100	448	993	-17	11 31 24 32 22 33 20 34 18 35 16 36 14 38 12 39 10 40 8 41 6 42 4 43 2		
291	4100	448	993	-17	11 32 23 33 21 34 19 35 17 36 15 37 13 39 11 40 9 41 7 42 5 43 3 44 1		
292	4100	448	993	-17	11 32 24 33 22 34 20 35 18 36 16 37 14 39 12 40 10 41 8 42 6 43 4 44 2		
293	4100	448	993	-17	11 33 23 34 21 35 19 36 17 37 15 38 13 40 11 41 9 42 7 43 5 44 3 45 1		
294	4100	448	993	-17	11 33 24 34 22 35 20 36 18 37 16 38 14 40 12 41 10 42 8 43 6 44 4 45 2		
295	4100	448	993	-17	11 34 23 35 21 36 19 37 17 38 15 39 13 41 11 42 9 43 7 44 5 45 3 46 1		
296	4100	448	993	-17	11 34 24 35 22 36 20 37 18 38 16 39 14 41 12 42 10 43 8 44 6 45 4 46 2		
297	4100	448	993	-17	11 35 23 36 21 37 19 38 17 39 15 40 13 42 11 43 9 44 7 45 5 46 3 47 1		
298	4100	448	993	-17	11 35 24 36 22 37 20 38 18 39 16 40 14 42 12 43 10 44 8 45 6 46 4 47 2		

0.95

LINE 071A-5

5-4A

JOB.. ESSO LINE.. 071A-5 BEGIN VELOCITY FUNCTIONS AT CDP 14 38 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- INT.VEL. FEET/SEC -- (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	9036'
0.100	6500.	6500.	0.100	6500.	1981.	0.739	0.025	0.227	0.459	0.612	0.689
0.400	7000.	7167.	0.200	6667.	2032.	0.636	0.013	0.177	0.409	0.562	0.849
0.900	7400.	7800.	0.300	6833.	2083.	0.547	0.009	0.133	0.359	0.512	0.799
1.200	7700.	8300.	0.400	7000.	2134.	0.470	0.006	0.103	0.309	0.462	0.749
1.600	9500.	14900.	0.500	7100.	2164.	0.412	0.005	0.083	0.264	0.412	0.699
1.800	10400.	17600.	0.600	7200.	2195.	0.362	0.004	0.069	0.227	0.362	0.649
2.000	11000.	16400.	0.700	7300.	2225.	0.320	0.003	0.058	0.197	0.320	0.599
3.000	12500.	15500.	0.800	7400.	2256.	0.284	0.003	0.050	0.173	0.284	0.549
4.000	13500.	16500.	0.900	7475.	2278.	0.255	0.002	0.044	0.154	0.255	0.502
5.000	14200.	17000.	1.000	7550.	2301.	0.230	0.002	0.039	0.138	0.230	0.460
0.0	0.	0.	1.100	7625.	2324.	0.209	0.002	0.035	0.124	0.209	0.423
0.0	0.	0.	1.200	7700.	2347.	0.191	0.002	0.032	0.113	0.191	0.388
0.0	0.	0.	1.400	8600.	2621.	0.135	0.001	0.022	0.079	0.135	0.283
0.0	0.	0.	1.600	9500.	2896.	0.098	0.001	0.016	0.057	0.098	0.210
0.0	0.	0.	1.800	10400.	3170.	0.074	0.001	0.012	0.043	0.074	0.159
0.0	0.	0.	2.000	11000.	3353.	0.060	0.000	0.009	0.034	0.060	0.129
0.0	0.	0.	2.200	11300.	3444.	0.052	0.000	0.008	0.030	0.052	0.112
0.0	0.	0.	2.400	11600.	3536.	0.045	0.000	0.007	0.026	0.045	0.098
0.0	0.	0.	2.700	12050.	3673.	0.037	0.000	0.006	0.021	0.037	0.081
0.0	0.	0.	3.000	12500.	3810.	0.031	0.000	0.005	0.018	0.031	0.068
0.0	0.	0.	3.500	13000.	3962.	0.025	0.000	0.004	0.014	0.025	0.054
0.0	0.	0.	4.000	13500.	4115.	0.020	0.000	0.003	0.012	0.020	0.044
0.0	0.	0.	5.000	14200.	4328.	0.015	0.000	0.002	0.008	0.015	0.032
0.0	0.	0.	5.900	14830.	4520.	0.011	0.000	0.002	0.006	0.011	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)										(OUTP TRACE
14	492	24	25	-20	22	2 12										1
15	820	60	25	-22	22	1 13	3 11									2
16	1148	100	300	-23	22	1 14	3 12	4 10								3
17	1476	144	355	-23	22	1 15	2 13	4 11	5 9							4
18	1804	184	410	-23	22	1 16	2 14	4 12	5 10	6 8						5
19	2132	224	465	-23	22	1 17	2 15	3 13	5 11	6 9	7 7					6
20	2460	264	520	-25	22	1 18	2 16	3 14	5 12	6 10	7 8	8 6				7
21	2788	300	575	-26	22	1 19	2 17	3 15	4 13	6 11	7 9	8 7	9 5			8
22	3116	340	630	-26	22	1 20	2 18	3 16	4 14	6 12	7 10	8 8	9 6	10 4		

0 99

JOB.. ESSO LINE.. 071A-5 BEGIN VELOCITY FUNCTIONS AT CDP 52 46 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INT.VEL.		TWO-WAY TIME	AVG.VEL. FT/SEC	AVG.VEL. M/SEC	NMO	NMO WITH LIMITING FACTOR				
	(INPUT)			(APPLIED)		(5412')	492'	2132'	4100'	5412'	8036'
0.100	7000.	7000.	0.100	7000.	2134.	0.680	0.022	0.210	0.433	0.584	0.836
0.400	7400.	7533.	0.200	7133.	2174.	0.585	0.012	0.160	0.383	0.534	0.836
0.800	7400.	7400.	0.300	7267.	2215.	0.503	0.008	0.120	0.333	0.484	0.786
1.000	7700.	8000.	0.400	7400.	2256.	0.434	0.005	0.093	0.283	0.434	0.736
1.200	8200.	10700.	0.500	7400.	2256.	0.386	0.004	0.077	0.246	0.386	0.686
1.400	9500.	17300.	0.600	7400.	2256.	0.346	0.004	0.066	0.217	0.346	0.636
1.800	11000.	16250.	0.700	7400.	2256.	0.312	0.003	0.057	0.193	0.312	0.586
2.400	12300.	16200.	0.800	7400.	2256.	0.284	0.003	0.050	0.173	0.284	0.536
4.000	14000.	16550.	0.900	7550.	2301.	0.251	0.002	0.043	0.151	0.251	0.486
5.000	14700.	17500.	1.000	7700.	2347.	0.222	0.002	0.038	0.133	0.222	0.436
0.0	0.	0.	1.100	7950.	2423.	0.194	0.002	0.032	0.115	0.194	0.396
0.0	0.	0.	1.200	8200.	2499.	0.170	0.001	0.028	0.100	0.170	0.336
0.0	0.	0.	1.400	9500.	2896.	0.111	0.001	0.018	0.065	0.111	0.236
0.0	0.	0.	1.600	10250.	3124.	0.085	0.001	0.013	0.049	0.085	0.182
0.0	0.	0.	1.800	11000.	3353.	0.066	0.001	0.010	0.038	0.066	0.143
0.0	0.	0.	2.000	11433.	3485.	0.055	0.000	0.009	0.032	0.055	0.120
0.0	0.	0.	2.200	11867.	3617.	0.047	0.000	0.007	0.027	0.047	0.102
0.0	0.	0.	2.400	12300.	3749.	0.040	0.000	0.006	0.023	0.040	0.087
0.0	0.	0.	2.700	12619.	3846.	0.034	0.000	0.005	0.019	0.034	0.074
0.0	0.	0.	3.000	12938.	3943.	0.029	0.000	0.005	0.017	0.029	0.064
0.0	0.	0.	3.500	13469.	4105.	0.023	0.000	0.004	0.013	0.023	0.050
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.008	0.014	0.030
0.0	0.	0.	5.900	15330.	4673.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRAC
52	4100	432	795	-24	22 14 24	15 22 16 20 17 18 18 16 19 14 21 12 22 10 23 8 24 6 25 4 26 2	15
53	4100	432	795	-24	22 15 23	16 21 17 19 18 17 19 15 20 13 22 11 23 9 24 7 25 5 26 3 27 1	16
54	4100	432	795	-24	22 15 24	16 22 17 20 18 18 19 16 20 14 22 12 23 10 24 8 25 6 26 4 27 2	17
55	4100	432	795	-24	22 16 23	17 21 18 19 19 17 20 15 21 13 23 11 24 9 25 7 26 5 27 3 28 1	18
56	4100	432	795	-24	22 16 24	17 22 18 20 19 18 20 16 21 14 23 12 24 10 25 8 26 6 27 4 28 2	19
57	4100	432	795	-24	22 17 23	18 21 19 19 20 17 21 15 22 13 24 11 25 9 26 7 27 5 28 3 29 1	20
58	4100	436	795	-24	22 17 24	18 22 19 20 20 18 21 16 22 14 24 12 25 10 26 8 27 6 28 4 29 2	21
59	4100	436	795	-24	22 18 23	19 21 20 19 21 17 22 15 23 13 25 11 26 9 27 7 28 5 29 3 30 1	22
[illegible]	4100	436	795	-24	22 18 24	19 22 20 20 21 18 22 16 23 14 25 12 26 10 27 8 28 6 29 4 30 2	[illegible]

46

JOB.. ESSO LINE.. 071A-5 BEGIN VELOCITY FUNCTIONS AT CDP 98 0 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	7000.	7000.	0.100	7000.	2134.	0.680	0.022	0.212	0.446	0.601	0.917
0.400	7200.	7267.	0.200	7067.	2154.	0.592	0.012	0.162	0.396	0.551	0.867
0.900	7200.	7200.	0.300	7133.	2174.	0.516	0.008	0.123	0.346	0.501	0.817
1.600	8400.	9943.	0.400	7200.	2195.	0.451	0.006	0.098	0.296	0.451	0.767
2.000	10500.	18900.	0.500	7200.	2195.	0.403	0.005	0.081	0.258	0.403	0.717
2.400	11700.	17700.	0.600	7200.	2195.	0.362	0.004	0.069	0.227	0.362	0.667
4.000	14000.	17450.	0.700	7200.	2195.	0.327	0.003	0.060	0.202	0.327	0.617
5.000	14700.	17500.	0.800	7200.	2195.	0.298	0.003	0.053	0.182	0.298	0.573
0.0	0.	0.	0.900	7200.	2195.	0.273	0.003	0.047	0.165	0.273	0.529
0.0	0.	0.	1.000	7371.	2247.	0.241	0.002	0.041	0.144	0.241	0.479
0.0	0.	0.	1.100	7543.	2299.	0.213	0.002	0.036	0.127	0.213	0.431
0.0	0.	0.	1.300	7714.	2351.	0.190	0.002	0.031	0.112	0.190	0.389
0.0	0.	0.	1.400	8057.	2456.	0.153	0.001	0.025	0.090	0.153	0.319
0.0	0.	0.	1.600	8400.	2560.	0.125	0.001	0.020	0.073	0.125	0.264
0.0	0.	0.	1.800	9450.	2880.	0.089	0.001	0.014	0.052	0.089	0.191
0.0	0.	0.	2.000	10500.	3200.	0.065	0.001	0.010	0.038	0.065	0.141
0.0	0.	0.	2.200	11100.	3383.	0.053	0.000	0.008	0.031	0.053	0.116
0.0	0.	0.	2.400	11700.	3566.	0.044	0.000	0.007	0.025	0.044	0.096
0.0	0.	0.	2.700	12131.	3698.	0.037	0.000	0.006	0.021	0.037	0.080
0.0	0.	0.	3.000	12563.	3829.	0.031	0.000	0.005	0.018	0.031	0.067
0.0	0.	0.	3.500	13281.	4048.	0.024	0.000	0.004	0.014	0.024	0.052
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.008	0.014	0.030
			5.900	15330.	4673.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPUT TRACES)
98	4100	444	795	-26	22 37 24 38 22 39 20 40 18 41 16 42 14 44 12 45 10 46 8 47 6 48 4 49 2	13	0
99	3772	408	740	-25	22 38 23 39 21 40 19 41 17 42 15 43 13 45 11 46 9 47 7 48 5 49 3	14	96
100	4100	444	795	-25	22 38 24 39 22 40 20 41 18 42 16 43 14 45 12 46 10 47 8 48 6 49 4	15	
101	3772	408	740	-25	22 39 23 40 21 41 19 42 17 43 15 44 13 46 11 47 9 48 7 49 5	16	
102	4100	444	795	-25	22 39 24 40 22 41 20 42 18 43 16 44 14 46 12 47 10 48 8 49 6	17	
103	3772	408	740	-25	22 40 23 41 21 42 19 43 17 44 15 45 13 47 11 48 9 49 7	18	
104	4100	444	795	-25	22 40 24 41 22 42 20 43 18 44 16 45 14 47 12 48 10 49 8	19	
105	3772	408	740	-25	22 41 23 42 21 43 19 44 17 46 15 46 13 48 11 49 9		
106	4100	444	795	-25	22 41 24 42 22 43 20 44 18 46 16 46 14 48 12 49 10		

JOB.. ESSO LINE.. 071A-7 BEGIN VELOCITY FUNCTIONS AT CDP 14 12 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	7000.	7000.	0.100	7000.	2134.	0.680	0.022	0.207	0.422	0.567	0.859
0.400	7600.	7800.	0.200	7200.	2195.	0.578	0.011	0.157	0.372	0.517	0.809
0.800	7700.	7800.	0.300	7400.	2256.	0.490	0.007	0.116	0.322	0.467	0.759
1.200	8000.	8600.	0.400	7600.	2316.	0.417	0.005	0.089	0.272	0.417	0.709
1.400	8400.	10900.	0.500	7625.	2324.	0.363	0.004	0.073	0.234	0.368	0.659
1.800	9400.	12900.	0.600	7650.	2332.	0.328	0.003	0.062	0.205	0.328	0.609
2.200	10600.	16000.	0.700	7675.	2339.	0.294	0.003	0.053	0.181	0.294	0.559
2.700	12000.	18160.	0.800	7700.	2347.	0.265	0.003	0.047	0.161	0.265	0.515
4.000	14000.	18154.	0.900	7775.	2370.	0.238	0.002	0.041	0.143	0.238	0.470
0.0	0.	0.	1.000	7850.	2393.	0.215	0.002	0.036	0.128	0.215	0.431
0.0	0.	0.	1.100	7925.	2416.	0.195	0.002	0.032	0.116	0.195	0.396
0.0	0.	0.	1.200	8000.	2438.	0.178	0.002	0.029	0.105	0.178	0.365
0.0	0.	0.	1.400	8400.	2560.	0.141	0.001	0.023	0.083	0.141	0.296
0.0	0.	0.	1.600	8900.	2713.	0.112	0.001	0.018	0.065	0.112	0.237
0.0	0.	0.	1.800	9400.	2865.	0.090	0.001	0.014	0.052	0.090	0.193
0.0	0.	0.	2.000	10000.	3048.	0.072	0.001	0.011	0.042	0.072	0.155
0.0	0.	0.	2.200	10600.	3231.	0.058	0.000	0.009	0.034	0.058	0.127
0.0	0.	0.	2.400	11160.	3402.	0.049	0.000	0.008	0.028	0.049	0.106
0.0	0.	0.	2.700	12000.	3658.	0.037	0.000	0.006	0.022	0.037	0.082
0.0	0.	0.	3.000	12462.	3798.	0.031	0.000	0.005	0.018	0.031	0.069
0.0	0.	0.	3.500	13231.	4033.	0.024	0.000	0.004	0.014	0.024	0.052
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	15538.	4736.	0.012	0.000	0.002	0.007	0.012	0.027
0.0	0.	0.	5.900	16923.	5158.	0.009	0.000	0.001	0.005	0.009	0.019

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OU TRACE
14	492	20	25	-22	19 2 12		1
15	492	20	25	-22	19 1 13		2
16	1148	92	300	-22	19 1 14	3 12 4 10	3
17	1148	92	300	-22	19 1 15	2 13 4 11	4
18	1804	168	410	-22	19 1 16	2 14 4 12 5 10 6 8	5
19	2132	208	465	-22	19 1 17	2 15 3 13 5 11 6 9 7 7	6
20	2460	244	520	-22	19 1 18	2 16 3 14 5 12 6 10 7 8 8 6	7
21	2788	280	575	-22	19 1 19	2 17 3 15 4 13 6 11 7 9 8 7 9 5	8
22	3116	316	630	-22	19 1 20	2 18 3 16 4 14 6 12 7 10 8 8 9 6 10 4	9
23	3116	352	685	-22	19 1 21	2 19 3 17 4 15 5 13 7 11 8 9 9 7 10 5 11 3	

0 99

JOB.. ESSO LINE.. 071A-7 BEGIN VELOCITY FUNCTIONS AT CDP 26 18 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	7000.	7000.	0.100	7000.	2134.	0.660	0.022	0.207	0.422	0.567	0.859
0.400	7600.	7800.	0.200	7200.	2195.	0.578	0.011	0.157	0.372	0.517	0.809
0.800	7700.	7800.	0.300	7400.	2256.	0.490	0.007	0.116	0.322	0.467	0.759
1.200	8000.	8600.	0.400	7600.	2316.	0.417	0.005	0.089	0.272	0.417	0.709
1.400	8400.	10800.	0.500	7625.	2324.	0.368	0.004	0.073	0.234	0.368	0.659
1.800	9400.	12900.	0.600	7650.	2332.	0.328	0.003	0.062	0.205	0.328	0.609
2.200	10600.	16000.	0.700	7675.	2339.	0.294	0.003	0.053	0.181	0.294	0.559
2.700	12000.	18160.	0.800	7700.	2347.	0.265	0.003	0.047	0.161	0.265	0.515
4.000	14000.	18154.	0.900	7775.	2370.	0.238	0.002	0.041	0.143	0.238	0.470
0.0	0.	0.	1.000	7850.	2393.	0.215	0.002	0.036	0.128	0.215	0.431
0.0	0.	0.	1.100	7925.	2416.	0.195	0.002	0.032	0.116	0.195	0.396
0.0	0.	0.	1.200	8000.	2438.	0.178	0.002	0.029	0.105	0.178	0.365
0.0	0.	0.	1.400	8400.	2560.	0.141	0.001	0.023	0.083	0.141	0.296
0.0	0.	0.	1.600	8900.	2713.	0.112	0.001	0.018	0.065	0.112	0.237
0.0	0.	0.	1.800	9400.	2865.	0.090	0.001	0.014	0.052	0.090	0.193
0.0	0.	0.	2.000	10000.	3048.	0.072	0.001	0.011	0.042	0.072	0.155
0.0	0.	0.	2.200	10600.	3231.	0.058	0.000	0.009	0.034	0.058	0.127
0.0	0.	0.	2.400	11160.	3402.	0.049	0.000	0.008	0.028	0.049	0.106
0.0	0.	0.	2.700	12000.	3658.	0.037	0.000	0.006	0.022	0.037	0.082
0.0	0.	0.	3.000	12462.	3798.	0.031	0.000	0.005	0.018	0.031	0.069
0.0	0.	0.	3.500	13231.	4033.	0.024	0.000	0.004	0.014	0.024	0.052
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	15538.	4736.	0.012	0.000	0.002	0.007	0.012	0.027
0.0	0.	0.	5.900	16923.	5158.	0.009	0.000	0.001	0.005	0.009	0.019

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPUT TRACE
26	4100	420	795	-24	19	1 24 2 22 3 20 4 18 5 16 6 14 8 12 9 10 10 8 11 6 12 4 13 2	13
27	4100	420	795	-24	19	2 23 3 21 4 19 5 17 6 15 7 13 9 11 10 9 11 7 12 5 13 3 14 1	14
28	4100	420	795	-24	19	2 24 3 22 4 20 5 18 6 16 7 14 9 12 10 10 11 8 12 6 13 4 14 2	15
29	4100	420	795	-24	19	3 23 4 21 5 19 6 17 7 15 8 13 10 11 11 9 12 7 13 5 14 3 15 1	16
30	4100	420	795	-24	19	3 24 4 22 5 20 6 18 7 16 8 14 10 12 11 10 12 8 13 6 14 4 15 2	17
31	4100	424	795	-24	19	4 23 5 21 6 19 7 17 8 15 9 13 11 11 12 9 13 7 14 5 15 3 16 1	18
32	4100	424	795	-24	19	4 24 5 22 6 20 7 18 8 16 9 14 11 12 12 10 13 8 14 6 15 4 16 2	19
33	4100	424	795	-24	19	5 23 6 21 7 19 8 17 9 15 10 13 12 11 13 9 14 7 15 5 16 3 17 1	20
34	4100	424	795	-24	19	5 24 6 22 7 20 8 18 9 16 10 14 12 12 13 10 14 8 15 6 16 4 17 2	21
35	4100	424	795	-24	19	6 23 7 21 8 19 9 17 10 15 11 13 13 11 14 9 15 7 16 5 17 3 18 1	

0100

JOB.. ESSO LINE.. 071A-7 BEGIN VELOCITY FUNCTIONS AT CDP 44 0 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- INT.VEL. FEET/SEC -- (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	7000.	7000.	0.100	7000.	2134.	0.680	0.022	0.208	0.427	0.573	0.858
0.400	7500.	7667.	0.200	7167.	2184.	0.581	0.011	0.158	0.377	0.523	0.803
0.800	7750.	8000.	0.300	7333.	2235.	0.497	0.007	0.118	0.327	0.473	0.758
1.400	8500.	9500.	0.400	7500.	2286.	0.425	0.005	0.091	0.277	0.423	0.708
2.400	12000.	16900.	0.500	7563.	2305.	0.373	0.004	0.074	0.238	0.373	0.658
4.000	14000.	17000.	0.600	7625.	2324.	0.329	0.003	0.062	0.206	0.329	0.608
0.0	0.	0.	0.700	7688.	2343.	0.293	0.003	0.053	0.180	0.293	0.558
0.0	0.	0.	0.800	7750.	2362.	0.262	0.003	0.046	0.159	0.262	0.510
0.0	0.	0.	0.900	7875.	2400.	0.232	0.002	0.040	0.140	0.232	0.461
0.0	0.	0.	1.000	8000.	2438.	0.207	0.002	0.035	0.124	0.207	0.417
0.0	0.	0.	1.100	8125.	2477.	0.186	0.002	0.031	0.110	0.186	0.379
0.0	0.	0.	1.200	8250.	2515.	0.168	0.001	0.028	0.099	0.168	0.346
0.0	0.	0.	1.400	8500.	2591.	0.138	0.001	0.022	0.081	0.138	0.289
0.0	0.	0.	1.600	9200.	2804.	0.105	0.001	0.017	0.061	0.105	0.223
0.0	0.	0.	1.800	9900.	3018.	0.081	0.001	0.013	0.047	0.081	0.175
0.0	0.	0.	2.000	10600.	3231.	0.064	0.001	0.010	0.037	0.064	0.139
0.0	0.	0.	2.200	11300.	3444.	0.052	0.000	0.008	0.030	0.052	0.112
0.0	0.	0.	2.400	12000.	3658.	0.042	0.000	0.007	0.024	0.042	0.092
0.0	0.	0.	2.700	12375.	3772.	0.035	0.000	0.005	0.020	0.035	0.077
0.0	0.	0.	3.000	12750.	3886.	0.030	0.000	0.005	0.017	0.030	0.065
0.0	0.	0.	3.500	13375.	4077.	0.023	0.000	0.004	0.013	0.023	0.051
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	15250.	4648.	0.013	0.000	0.002	0.007	0.013	0.028
0.0	0.	0.	5.900	16375.	4991.	0.009	0.000	0.001	0.005	0.009	0.020

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)	(OUT) TRACE
44	4100	428	795	-24	19 10 24 11 22 12 20 13 18 14 16 15 14 17 12 18 10 19 8 20 6 21 4 22 2	7
45	3772	392	740	-24	19 11 23 12 21 13 19 14 17 15 15 16 13 18 11 19 9 20 7 21 5 22 3	8
46	4100	428	795	-23	19 11 24 12 22 13 20 14 18 15 16 16 14 18 12 19 10 20 8 21 6 22 4	9
47	3772	392	740	-23	19 12 23 13 21 14 19 15 17 16 15 17 13 19 11 20 9 21 7 22 5	10
48	4100	428	795	-23	19 12 24 13 22 14 20 15 18 16 16 17 14 19 12 20 10 21 8 22 6	11
49	3772	392	740	-23	19 13 23 14 21 15 19 16 17 17 15 18 13 20 11 21 9 22 7	12
50	4100	428	795	-23	19 13 24 14 22 15 20 16 18 17 16 18 14 20 12 21 10 22 8	13
51	3772	392	740	-23	19 14 23 15 21 16 19 17 17 18 15 19 13 21 11 22 9	14
52	4100	428	795	-23	19 14 24 15 22 16 20 17 18 18 16 19 14 21 12 22 10	15
53	3772	392	740	-24	19 15 23 16 21 17 19 18 17 19 15 20 13 22 11	

0101

JOB.. ESSO LINE.. 071A-12 ----BEGIN VELOCITY FUNCTIONS AT STACK ID 010007 TRACE 1 35 CDPS TO NEXT VELOCI

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.220	0.435	0.653	0.864
0.400	7200.	7400.	0.200	6400.	1951.	0.759	0.054	0.170	0.385	0.603	0.814
0.700	7600.	8133.	0.300	6800.	2073.	0.632	0.034	0.120	0.335	0.553	0.764
1.000	7800.	8267.	0.400	7200.	2195.	0.524	0.023	0.087	0.285	0.503	0.714
1.400	8900.	11300.	0.500	7333.	2235.	0.459	0.018	0.070	0.240	0.453	0.664
2.600	10500.	12980.	0.600	7467.	2276.	0.403	0.015	0.057	0.204	0.403	0.614
4.300	12500.	15500.	0.700	7600.	2316.	0.355	0.012	0.048	0.176	0.355	0.564
5.800	13200.	16000.	0.800	7667.	2337.	0.319	0.011	0.041	0.155	0.319	0.515
0.0	0.	0.	0.900	7733.	2357.	0.288	0.009	0.036	0.138	0.288	0.471
0.0	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.432
0.0	0.	0.	1.100	8050.	2454.	0.229	0.007	0.028	0.107	0.229	0.382
0.0	0.	0.	1.200	8200.	2530.	0.201	0.006	0.024	0.093	0.201	0.338
0.0	0.	0.	1.400	8800.	2682.	0.157	0.005	0.018	0.072	0.157	0.269
0.0	0.	0.	1.600	9140.	2786.	0.129	0.004	0.015	0.059	0.129	0.224
0.0	0.	0.	1.800	9480.	2890.	0.108	0.003	0.012	0.049	0.108	0.188
0.0	0.	0.	2.000	9820.	2993.	0.091	0.003	0.010	0.041	0.091	0.160
0.0	0.	0.	2.200	10160.	3097.	0.078	0.002	0.009	0.035	0.078	0.137
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.700	10875.	3315.	0.056	0.002	0.006	0.025	0.056	0.098
0.0	0.	0.	3.000	11250.	3429.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.500	11875.	3620.	0.036	0.001	0.004	0.016	0.036	0.064
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	0.051
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	0.037
0.0	0.	0.	5.900	13833.	4215.	0.016	0.000	0.002	0.007	0.016	0.028

CDP	MAXIMUM DIST	MAXIMUM TRC	MAXIMUM MUTE	STAT	INPUT REEL	INPUT FILES - TRACE NUMBERS	OUTPUT TRACE	OUTPUT ID
12	328	12	60	-1	7 1 12		1	10
13	456	48	50	-1	7 2 12		2	
14	984	92	50	-1	7 3 10		3	
15	1312	136	400	-1	7 1 13	3 11 4 10	4	
16	1640	176	487	-1	7 1 14	2 13 3 12 4 11 5 8	5	
17	1968	216	575	-1	7 1 15	2 14 4 12 5 9 6 8	6	
18	2296	252	662	-1	7 1 16	2 15 5 10 6 9 7 6	7	
19	2624	288	750	-1	7 1 17	2 16 3 13 5 11 6 10 7 7 9 6	8	
20	2952	324	837	-1	7 1 18	2 17 3 14 4 13 5 12 6 11 7 8 9 7 10 4		

2010

JOB.. ESSO LINE.. 071A-12 BEGIN VELOCITY FUNCTIONS AT STACK ID 020007 TRACE 12 48 COPY AT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.220	0.435	0.553	0.864
0.200	7200.	7600.	0.200	6400.	1951.	0.759	0.054	0.170	0.385	0.603	0.814
0.300	7600.	8133.	0.300	6800.	2073.	0.632	0.034	0.120	0.335	0.553	0.764
1.000	7800.	8267.	0.400	7200.	2195.	0.524	0.023	0.087	0.285	0.503	0.714
1.400	8800.	11300.	0.500	7333.	2235.	0.459	0.018	0.070	0.240	0.453	0.664
2.400	10500.	12843.	0.600	7467.	2276.	0.403	0.015	0.057	0.204	0.403	0.614
4.000	12500.	15500.	0.700	7600.	2316.	0.355	0.012	0.048	0.176	0.355	0.564
5.000	13200.	16000.	0.800	7667.	2337.	0.319	0.011	0.041	0.155	0.319	0.515
0.0	0.	0.	0.900	7733.	2357.	0.288	0.009	0.036	0.138	0.288	0.471
0.0	0.	0.	1.000	7800.	2377.	0.262	0.008	0.032	0.124	0.262	0.432
0.0	0.	0.	1.100	8050.	2454.	0.229	0.007	0.028	0.107	0.229	0.382
0.0	0.	0.	1.200	8300.	2530.	0.201	0.006	0.024	0.093	0.201	0.339
0.0	0.	0.	1.400	8800.	2682.	0.157	0.005	0.018	0.072	0.157	0.269
0.0	0.	0.	1.600	9140.	2786.	0.129	0.004	0.015	0.059	0.129	0.224
0.0	0.	0.	1.800	9490.	2890.	0.108	0.003	0.012	0.049	0.108	0.189
0.0	0.	0.	2.000	9820.	2993.	0.091	0.003	0.010	0.041	0.091	0.160
0.0	0.	0.	2.200	10160.	3097.	0.078	0.002	0.009	0.035	0.078	0.137
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.700	10875.	3315.	0.056	0.002	0.006	0.025	0.056	0.098
0.0	0.	0.	3.000	11250.	3429.	0.047	0.001	0.005	0.021	0.047	0.083
0.0	0.	0.	3.500	11875.	3620.	0.036	0.001	0.004	0.016	0.036	0.064
0.0	0.	0.	4.000	12500.	3810.	0.029	0.001	0.003	0.013	0.029	0.051
0.0	0.	0.	5.000	13200.	4023.	0.021	0.001	0.002	0.009	0.021	0.037
0.0	0.	0.	5.900	13830.	4215.	0.016	0.000	0.002	0.007	0.016	0.028

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OU TRACE
47	3936	428	1100	-3		7 13 24 14 21 15 20 16 17 17 16 18 13 20 11 21 10 22 7 23 6 24 3 25 2	12
48	3608	392	1012	-3		7 14 22 15 21 16 18 17 17 18 14 19 13 20 12 21 11 22 8 23 7 24 4 25 3	13
49	3936	428	1100	-3		7 14 23 15 22 16 19 17 18 18 15 19 14 21 12 22 9 23 8 24 5 25 4 26 1	14
50	4264	464	1187	-3		7 14 24 15 23 16 20 17 19 18 16 19 15 22 10 23 9 24 6 25 5 26 2 27 1	15
51	3936	428	1100	-3		7 15 24 16 21 17 20 18 17 19 16 20 13 22 11 23 10 24 7 25 6 26 3	16
52	3608	392	1012	-3		7 16 22 17 21 18 18 19 17 20 14 21 13 22 12 23 11 24 8 25 7 26 4 27 2	17
53	3936	428	1100	-3		7 16 23 17 22 18 19 19 18 20 15 21 14 23 12 24 9 25 8 26 5 28 1	
54	4264	464	1187	-3		7 16 24 17 23 18 20 19 19 20 16 21 15 24 10 25 9 26 6 27 4 28 2	

0105

2-2

JOB.. ESSO LINE.. 071A-1-2 BEGIN VELOCITY FUNCTIONS AT STACK ID 040007 TRACE 12 48 CDPS TO NEXT VF

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	600).	0.100	6000.	1829.	0.905	0.094	0.227	0.442	0.611	0.763
0.400	6800.	7067.	0.200	6267.	1910.	0.778	0.056	0.177	0.392	0.561	0.713
0.700	9200.	10047.	0.300	6533.	1991.	0.666	0.037	0.129	0.342	0.511	0.663
1.200	10200.	13000.	0.400	6800.	2073.	0.569	0.026	0.096	0.292	0.461	0.613
2.400	12000.	13800.	0.500	7247.	2215.	0.465	0.019	0.071	0.242	0.411	0.563
4.000	13000.	14500.	0.600	7733.	2357.	0.381	0.014	0.053	0.192	0.361	0.513
5.000	13700.	16500.	0.700	8200.	2499.	0.313	0.011	0.041	0.153	0.311	0.463
0.0	0.	0.	0.800	8660.	2621.	0.261	0.008	0.033	0.125	0.261	0.413
0.0	0.	0.	0.900	9060.	2743.	0.220	0.007	0.027	0.104	0.220	0.363
0.0	0.	0.	1.000	9400.	2865.	0.186	0.006	0.022	0.087	0.186	0.313
0.0	0.	0.	1.100	9800.	2987.	0.159	0.005	0.019	0.073	0.159	0.270
0.0	0.	0.	1.200	10200.	3109.	0.136	0.004	0.016	0.062	0.136	0.234
0.0	0.	0.	1.400	10500.	3200.	0.112	0.003	0.013	0.051	0.112	0.194
0.0	0.	0.	1.600	10800.	3292.	0.094	0.003	0.011	0.042	0.094	0.163
0.0	0.	0.	1.800	11100.	3383.	0.079	0.002	0.009	0.036	0.079	0.139
0.0	0.	0.	2.000	11400.	3475.	0.068	0.002	0.008	0.031	0.068	0.120
0.0	0.	0.	2.200	11700.	3566.	0.059	0.002	0.007	0.026	0.059	0.104
0.0	0.	0.	2.400	12000.	3658.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.700	12187.	3715.	0.045	0.001	0.005	0.020	0.045	0.079
0.0	0.	0.	3.000	12375.	3772.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.500	12687.	3867.	0.032	0.001	0.004	0.014	0.032	0.056
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	..(MAXIMUM).. DIST	NMO	MUTE	STAT	INPUT REEL	..(INPUT FILES - TRACE NUMBERS)..	..(O TRAC
95	3936	436	1100	-12	7 37 24	38 21 39 20 40 17 41 16 42 13 44 11 45 10 46 7 47 6 48 3 49 2	12
96	3608	404	1012	-12	7 38 22	39 21 40 18 41 17 42 14 43 13 44 12 45 11 46 8 47 7 48 4 49 3	13
97	3936	436	1100	-12	7 38 23	39 22 40 19 41 18 42 15 43 14 45 12 46 9 47 8 48 5 49 4 50 1	14
98	4264	464	1187	-12	7 38 24	39 23 40 20 41 19 42 16 43 15 46 10 47 9 48 6 49 5 50 2 51 1	15
99	3936	436	1100	-12	7 39 24	40 21 41 20 42 17 43 16 44 13 46 11 47 10 48 7 49 6 50 3 51 2	16
100	3608	400	1012	-12	7 40 22	41 21 42 18 43 17 44 14 45 13 46 12 47 11 48 8 49 7 50 4 51 3	17
101	3936	432	1100	-12	7 40 23	41 22 42 19 43 18 44 15 45 14 47 12 48 9 49 8 50 5 51 4 52 1	18
102	4264	464	1187	-12	7 40 24	41 23 42 20 43 19 44 16 45 15 48 10 49 9 50 6 51 5 52 2 53 1	19
103	3936	432	1100	-12	7 41 24	42 21 43 20 44 17 45 16 46 13 48 11 49 10 50 7 51 6 52 3 53	

0104

ID.. ESSO LINE.. 0714-12 BEGIN VELOCITY FUNCTIONS AT STACK ID 060007 TRACE 12 0 CDPS TO NEXT VELAN

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.005	0.094	0.212	0.411	0.629	0.852
0.200	7600.	9133.	0.200	6533.	1991.	0.740	0.052	0.162	0.361	0.579	0.802
0.300	8200.	9467.	0.300	7067.	2154.	0.600	0.032	0.112	0.311	0.529	0.752
0.400	9200.	15700.	0.400	7600.	2316.	0.485	0.021	0.079	0.261	0.479	0.702
0.500	11000.	14000.	0.500	7667.	2337.	0.429	0.017	0.064	0.223	0.429	0.652
0.600	13000.	16000.	0.600	7733.	2357.	0.381	0.014	0.053	0.192	0.381	0.602
0.700	13700.	16500.	0.700	7800.	2377.	0.340	0.012	0.045	0.168	0.340	0.542
0.800	0.	0.	0.800	7867.	2398.	0.305	0.010	0.039	0.148	0.305	0.494
0.900	0.	0.	0.900	7933.	2418.	0.276	0.009	0.035	0.132	0.276	0.452
1.000	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.414
1.100	0.	0.	1.100	8067.	2459.	0.228	0.007	0.029	0.107	0.228	0.381
1.200	0.	0.	1.200	8133.	2479.	0.209	0.006	0.025	0.097	0.209	0.352
1.400	0.	0.	1.400	8700.	2652.	0.161	0.005	0.019	0.074	0.161	0.275
1.600	0.	0.	1.600	9430.	2865.	0.123	0.004	0.014	0.056	0.123	0.212
1.800	0.	0.	1.800	9850.	2987.	0.101	0.003	0.012	0.046	0.101	0.176
2.000	0.	0.	2.000	10200.	3109.	0.085	0.002	0.010	0.038	0.085	0.148
2.200	0.	0.	2.200	10600.	3231.	0.072	0.002	0.008	0.032	0.072	0.126
2.400	0.	0.	2.400	11000.	3353.	0.061	0.002	0.007	0.027	0.061	0.108
2.700	0.	0.	2.700	11375.	3467.	0.051	0.001	0.006	0.023	0.051	0.090
3.000	0.	0.	3.000	11750.	3581.	0.043	0.001	0.005	0.019	0.043	0.076
3.500	0.	0.	3.500	12375.	3772.	0.033	0.001	0.004	0.015	0.033	0.059
4.000	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
5.000	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
6.000	0.	0.	6.000	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUT TRACE
143	3936	404	1100	-6	7 61 24 62 21 63 20 64 17 65 16 66 13 68 11 69 10 70 7 71 6 72 3 73 2		12
144	3608	368	1012	-6	7 62 22 63 21 64 18 65 17 66 14 67 13 68 12 69 11 70 8 71 7 72 4 73 3		13
145	3936	404	1100	-6	7 62 23 63 22 64 19 65 18 66 15 67 14 69 12 70 9 71 8 72 5 73 4 74 1		14
146	4264	440	1137	-6	7 62 24 63 23 64 20 65 19 66 16 67 15 70 10 71 9 72 6 73 5 74 2 75 1		15
147	3936	404	1100	-6	7 63 24 64 21 65 20 66 17 67 16 68 13 70 11 71 10 72 7 73 6 74 3 75 2		16
148	3608	368	1012	-6	7 64 22 65 21 66 18 67 17 68 14 69 13 70 12 71 11 72 8 73 7 74 4 75 3		17
149	3936	404	1100	-8	7 64 23 65 22 66 19 67 18 68 15 69 14 71 12 72 9 73 8 74 5 75 4 76 1		18
150	4264	440	1137	-8	7 64 24 65 23 66 20 67 19 68 16 69 15 72 10 73 9 74 6 75 5 76 2 77 1		19

2010

071A-13 ● ● 3-1B

JOB.. ESSO LINE.. 071A-13 BEGIN VELOCITY FUNCTIONS AT STACK ID 10005 TRACE 1 20005 TRACE 12 72 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.216	0.422	0.626	0.821
0.400	7400.	7867.	0.200	6467.	1971.	0.749	0.053	0.166	0.372	0.576	0.771
0.700	8000.	8800.	0.300	6933.	2113.	0.616	0.033	0.116	0.322	0.526	0.721
1.400	8100.	8200.	0.400	7400.	2256.	0.504	0.022	0.083	0.272	0.476	0.671
1.800	8500.	9000.	0.500	7600.	2316.	0.434	0.017	0.065	0.226	0.426	0.621
2.400	10600.	14000.	0.600	7800.	2377.	0.376	0.014	0.052	0.189	0.376	0.571
4.000	13000.	14600.	0.700	8000.	2438.	0.326	0.011	0.043	0.160	0.326	0.521
5.000	13700.	14500.	0.800	8014.	2443.	0.296	0.010	0.038	0.143	0.296	0.479
0.0	0.	0.	0.900	8029.	2447.	0.270	0.009	0.034	0.129	0.270	0.443
0.0	0.	0.	1.000	8043.	2451.	0.248	0.008	0.030	0.117	0.248	0.410
0.0	0.	0.	1.100	8057.	2456.	0.228	0.007	0.028	0.107	0.228	0.382
0.0	0.	0.	1.200	8071.	2460.	0.212	0.006	0.025	0.098	0.212	0.356
0.0	0.	0.	1.400	8100.	2469.	0.184	0.005	0.022	0.085	0.184	0.313
0.0	0.	0.	1.600	8300.	2530.	0.156	0.005	0.018	0.071	0.156	0.268
0.0	0.	0.	1.800	8500.	2591.	0.133	0.004	0.015	0.060	0.133	0.231
0.0	0.	0.	2.000	9200.	2804.	0.104	0.003	0.012	0.047	0.104	0.181
0.0	0.	0.	2.200	9900.	3018.	0.082	0.002	0.009	0.037	0.082	0.144
0.0	0.	0.	2.400	10600.	3231.	0.066	0.002	0.007	0.029	0.066	0.116
0.0	0.	0.	2.700	11050.	3368.	0.054	0.002	0.006	0.024	0.054	0.095
0.0	0.	0.	3.000	11500.	3505.	0.045	0.001	0.005	0.020	0.045	0.080
0.0	0.	0.	3.500	12250.	3734.	0.034	0.001	0.004	0.015	0.034	0.060
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)	TRACE
42	4264	452	1075	-7	5 9 24 10 23 11 20 12 19 13 16 15 10 16 9 17 6 18 5 19 2 20 1	12
43	3936	416	1000	-6	5 10 24 11 21 12 20 13 17 15 11 16 10 17 7 18 6 19 3 20 2	13
44	3608	380	925	-5	5 11 22 12 21 13 18 14 13 15 12 16 11 17 8 18 7 19 4 20 3	14
45	3936	416	1000	-5	5 11 23 12 22 13 19 14 14 16 12 17 9 18 8 19 5 20 4 21 1	15
46	4264	452	1075	-5	5 11 24 12 23 13 20 14 15 17 10 18 9 19 6 20 5 21 2 22 1	16
47	3936	416	1000	-5	5 12 24 13 21 14 16 15 13 17 11 18 10 19 7 20 6 21 3 22 2	17
48	3608	380	925	-5	5 13 22 14 17 15 14 16 13 17 12 18 11 19 8 20 7 21 4 22 3	18
49	3936	416	1000	-5	5 13 23 14 18 15 15 16 14 18 12 19 9 20 8 21 5 22 4 23 1	19
[illegible]					5 13 24 14 [illegible] 15 16 16 15 1 [illegible] 21 6 [illegible] 22 5 23 2 24 1	

0106

13-2B

JOB.. ESSO LINE.. 071A-13 BEGIN VELOCITY FUNCTIONS AT STACK ID 50005 TRACE 12 48 CDPS TO NEXT VF

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.220	0.435	0.653	0.764
0.400	7200.	7600.	0.200	6400.	1951.	0.759	0.054	0.170	0.395	0.603	0.714
0.700	7600.	8133.	0.300	6800.	2073.	0.632	0.034	0.120	0.335	0.553	0.764
1.400	8000.	8403.	0.400	7200.	2195.	0.524	0.023	0.087	0.295	0.503	0.714
1.800	8500.	10253.	0.500	7333.	2235.	0.459	0.018	0.070	0.240	0.453	0.664
2.400	10500.	16533.	0.600	7467.	2276.	0.403	0.015	0.057	0.204	0.403	0.614
4.000	13000.	14753.	0.700	7600.	2316.	0.355	0.012	0.048	0.176	0.355	0.564
5.000	13700.	14533.	0.800	7657.	2334.	0.320	0.011	0.042	0.155	0.320	0.516
0.0	0.	0.	0.900	7714.	2351.	0.290	0.009	0.037	0.139	0.290	0.473
0.0	0.	0.	1.000	7771.	2369.	0.263	0.008	0.033	0.125	0.263	0.435
0.0	0.	0.	1.100	7829.	2386.	0.241	0.007	0.029	0.113	0.241	0.401
0.0	0.	0.	1.200	7886.	2404.	0.221	0.007	0.027	0.103	0.221	0.371
0.0	0.	0.	1.400	8000.	2438.	0.188	0.006	0.022	0.087	0.188	0.320
0.0	0.	0.	1.600	8250.	2515.	0.153	0.005	0.018	0.072	0.158	0.271
0.0	0.	0.	1.800	8500.	2591.	0.133	0.004	0.015	0.060	0.133	0.231
0.0	0.	0.	2.000	9167.	2794.	0.104	0.003	0.012	0.047	0.104	0.182
0.0	0.	0.	2.200	9833.	2997.	0.083	0.002	0.009	0.037	0.083	0.146
0.0	0.	0.	2.400	10500.	3200.	0.067	0.002	0.008	0.030	0.067	0.118
0.0	0.	0.	2.700	10969.	3343.	0.055	0.002	0.006	0.025	0.055	0.097
0.0	0.	0.	3.000	11438.	3486.	0.046	0.001	0.005	0.020	0.046	0.080
0.0	0.	0.	3.500	12219.	3724.	0.034	0.001	0.004	0.015	0.034	0.061
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPUT TRACE)
114	4264	464	1075	-8	5 39 24 40 23 41 20 42 19 43 16 44 15 47 10 48 9 49 6 50 5 51 2 52 1		12
115	3936	428	1000	-8	5 40 24 41 21 42 20 43 17 44 16 45 13 47 11 48 10 49 7 50 6 51 3 52 2		13
116	3608	392	925	-8	5 41 22 42 21 43 18 44 17 45 14 46 13 47 12 48 11 49 8 50 7 51 4 52 3		14
117	3936	428	1000	-8	5 41 23 42 22 43 19 44 18 45 15 46 14 48 12 49 9 50 8 51 5 52 4 53 1		15
118	4264	468	1075	-8	5 41 24 42 23 43 20 44 19 45 16 46 15 49 10 50 9 51 6 52 5 53 2 54 1		16
119	3936	428	1000	-11	5 42 24 43 21 44 20 45 17 46 16 47 13 49 11 50 10 51 7 52 6 53 3 54 2		17
120	3608	392	925	-11	5 43 22 44 21 45 18 46 17 47 14 48 13 49 12 50 11 51 8 52 7 53 4 54 3		18
121	3936	432	1000	-11	5 43 23 44 22 45 19 46 18 47 15 48 14 50 12 51 9 52 8 53 5 54 4 55 1		19
122	4264	468	1075	-11	5 43 24 44 23 45 20 46 19 47 16 48 15 51 10 52 9 53 6 54 5 55 2 56 1		20
123	3936	432	1000	-11	5 44 24 45 21 46 20 47 17 48 16 49 13 51 11 52 10 53 7 54 6 55 3 56 2		21

13-3B

JOB.. ESSI LINE.. 071A-13 BEGIN VELOCITY FUNCTIONS AT STACK ID 70005 TRACE 12 0 CDPS T [illegible] V

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INT.VEL.		TWO-WAY TIME	AVG.VEL. FT/SEC	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
	(INPUT)			(APPLIED)							
0.100	5800.	5800.	0.100	5800.	1768.	0.939	0.099	0.231	0.461	0.701	0.932
0.400	6800.	7133.	0.200	6133.	1869.	0.798	0.058	0.181	0.411	0.651	0.892
1.200	7400.	7700.	0.300	6467.	1971.	0.675	0.038	0.131	0.361	0.601	0.832
1.800	8600.	11000.	0.400	6800.	2073.	0.569	0.026	0.096	0.311	0.551	0.782
2.200	10500.	19050.	0.500	6875.	2096.	0.506	0.021	0.078	0.267	0.501	0.732
4.000	13500.	17167.	0.600	6950.	2118.	0.451	0.017	0.065	0.231	0.451	0.682
5.000	14200.	17300.	0.700	7025.	2141.	0.404	0.014	0.056	0.202	0.404	0.632
0.0	0.	0.	0.800	7100.	2164.	0.364	0.012	0.048	0.178	0.364	0.582
0.0	0.	0.	0.900	7175.	2187.	0.329	0.011	0.042	0.159	0.329	0.533
0.0	0.	0.	1.000	7250.	2210.	0.298	0.009	0.037	0.142	0.298	0.489
0.0	0.	0.	1.100	7325.	2233.	0.271	0.008	0.033	0.128	0.271	0.450
0.0	0.	0.	1.200	7400.	2256.	0.248	0.008	0.030	0.116	0.248	0.415
0.0	0.	0.	1.400	7800.	2377.	0.197	0.006	0.023	0.091	0.197	0.335
0.0	0.	0.	1.600	8200.	2499.	0.159	0.005	0.018	0.073	0.159	0.274
0.0	0.	0.	1.800	8600.	2621.	0.130	0.004	0.015	0.059	0.130	0.226
0.0	0.	0.	2.000	9550.	2911.	0.096	0.003	0.011	0.043	0.096	0.168
0.0	0.	0.	2.200	10500.	3200.	0.073	0.002	0.008	0.033	0.073	0.128
0.0	0.	0.	2.400	10833.	3302.	0.063	0.002	0.007	0.028	0.063	0.111
0.0	0.	0.	2.700	11333.	3454.	0.051	0.001	0.006	0.023	0.051	0.091
0.0	0.	0.	3.000	11333.	3607.	0.043	0.001	0.005	0.019	0.043	0.075
0.0	0.	0.	3.500	12667.	3861.	0.032	0.001	0.004	0.014	0.032	0.057
0.0	0.	0.	4.000	13500.	4115.	0.025	0.001	0.003	0.011	0.025	0.044
0.0	0.	0.	5.000	14200.	4328.	0.018	0.000	0.002	0.008	0.018	0.032
0.0	0.	0.	5.900	14930.	4520.	0.014	0.000	0.002	0.006	0.014	0.025

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)	OUTPUT TRACE
152	4264	492	1075	-1	5 63 20 64 19 65 16 66 15 69 10 70 8 71 6 72 5 73 2 74 1	12
153	3936	452	1000	-1	5 63 21 64 20 65 17 66 16 67 13 69 11 70 9 71 7 72 6 73 3 74 2	13
154	3608	412	925	-1	5 63 22 64 21 65 18 66 17 67 14 68 13 69 12 70 10 71 8 72 7 73 4 74 3	14
155	3936	452	1000	-1	5 63 23 64 22 65 19 66 18 67 15 68 14 70 11 71 9 72 8 73 5 74 4 75 1	15
166	4264	492	1075	-2	5 63 24 64 23 65 20 66 19 67 16 68 15 70 12 71 10 72 9 73 6 74 5 75 2	16
					76 1	
167	3936	452	1000	-1	5 64 24 65 21 66 20 67 17 68 16 69 13 71 11 72 10 73 7 74 6 75 3 76 2	17
168	3608	412	925	-1	5 65 22 66 21 67 18 68 17 69 14 71 12 72 11 73 8 74 7 75 4 76 3	18
169	3936	452	1000	-1	5 65 23 66 22 67 19 68 18 69 15 70 13 72 12 73 9 74 8 75 5 76 4	19
170	4264	492	1075	-1	5 65 24 66 23 67 20 68 19 69 16 70 14 73 10 74 9 75 6 76 5 77 3	
171	3936	452	1000	-1	5 64 24 67 21 68 20 69 17 [illegible]	

0108

071A

14-1

JOB.. ESSO TIME.. 071A-14 BEGIN VELOCITY FUNCTIONS AT STACK TO 10004 TRACE 1 35 CDPS TO EXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.232	0.488	0.700	0.748
0.200	7000.	7143.	0.200	6143.	1872.	0.797	0.058	0.182	0.438	0.650	0.698
1.100	8500.	12500.	0.300	6286.	1916.	0.701	0.040	0.137	0.388	0.600	0.648
1.600	10000.	13333.	0.400	6429.	1959.	0.615	0.029	0.107	0.338	0.550	0.598
2.000	12500.	20000.	0.500	6571.	2003.	0.541	0.023	0.085	0.288	0.500	0.548
2.400	13000.	19000.	0.600	6714.	2047.	0.476	0.018	0.070	0.246	0.450	0.498
4.000	14500.	16750.	0.700	6857.	2090.	0.421	0.015	0.058	0.211	0.400	0.448
5.000	15200.	18000.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.350	0.398
0.0	0.	0.	0.900	7500.	2286.	0.304	0.010	0.039	0.146	0.300	0.348
0.0	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.298
0.0	0.	0.	1.100	8500.	2591.	0.207	0.006	0.025	0.096	0.207	0.248
0.0	0.	0.	1.200	8800.	2682.	0.180	0.005	0.021	0.083	0.180	0.305
0.0	0.	0.	1.400	9400.	2865.	0.139	0.004	0.016	0.063	0.139	0.138
0.0	0.	0.	1.600	10000.	3048.	0.109	0.003	0.012	0.049	0.109	0.139
0.0	0.	0.	1.800	11000.	3353.	0.081	0.002	0.009	0.036	0.081	0.141
0.0	0.	0.	2.000	12000.	3658.	0.062	0.002	0.007	0.028	0.062	0.108
0.0	0.	0.	2.200	12500.	3810.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.400	13000.	3962.	0.044	0.001	0.005	0.020	0.044	0.078
0.0	0.	0.	2.700	13281.	4048.	0.038	0.001	0.004	0.017	0.038	0.066
0.0	0.	0.	3.000	13563.	4134.	0.032	0.001	0.004	0.014	0.032	0.057
0.0	0.	0.	3.500	14031.	4277.	0.026	0.001	0.003	0.012	0.026	0.046
0.0	0.	0.	4.000	14500.	4420.	0.021	0.001	0.002	0.010	0.021	0.038
0.0	0.	0.	5.000	15200.	4633.	0.016	0.000	0.002	0.007	0.016	0.028
0.0	0.	0.	5.900	15830.	4825.	0.012	0.000	0.001	0.005	0.012	0.022

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)										INPUT TRACE
8	1640	184	475	-1	4	1	8									
9	1968	228	550	-1	4	1	9	2	8							
10	2296	272	625	-1	4	1	10	2	9	3	6					
11	2624	312	700	-1	4	1	11	2	10	3	7	4	6			
12	2952	356	775	-1	4	1	12	2	11	3	8	4	7	5	4	
13	3280	396	850	-1	4	2	12	3	9	4	8	5	5	6	4	
14	3608	440	925	-1	4	3	10	4	9	5	6	6	5	7	2	
15	3936	480	1000	-1	4	1	13	3	11	4	10	5	7	6	6	7 3 8 2
16	[illegible]				4	1	14	3	12	4	11	[illegible]				

0109

14-2

JOB..* ESSO TIME.. 0714-14 REGEN VELOCITY FUNCTIONS AT STACK ID 020004 TRACE 12 48 COEFS TO NEW VELOCI

TWO-WAY TIME	AVG.VEL. FEET/SEC (INPUT)	INT.VEL. FEET/SEC (INPUT)	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC.	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.232	0.488	0.700	0.849
.200	7000.	7143.	0.200	6143.	1872.	0.797	0.058	0.182	0.438	0.650	0.793
.300	8500.	12500.	0.300	6286.	1916.	0.701	0.040	0.137	0.388	0.600	0.743
.400	10000.	13300.	0.400	6429.	1959.	0.615	0.029	0.107	0.338	0.550	0.693
.500	12000.	20000.	0.500	6571.	2003.	0.541	0.023	0.085	0.288	0.500	0.648
.600	13000.	18000.	0.600	6714.	2047.	0.476	0.018	0.070	0.246	0.450	0.598
.700	14500.	16750.	0.700	6857.	2090.	0.421	0.015	0.058	0.211	0.400	0.548
.800	15200.	19000.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.350	0.498
.9	0.	0.	0.900	7500.	2286.	0.304	0.010	0.039	0.146	0.300	0.448
1.0	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.398
1.0	0.	0.	1.100	8500.	2591.	0.207	0.006	0.025	0.096	0.207	0.348
1.2	0.	0.	1.200	8800.	2682.	0.180	0.005	0.021	0.083	0.180	0.305
1.4	0.	0.	1.400	9400.	2865.	0.139	0.004	0.016	0.063	0.139	0.238
1.6	0.	0.	1.600	10000.	3048.	0.109	0.003	0.012	0.049	0.109	0.189
1.8	0.	0.	1.800	11000.	3353.	0.081	0.002	0.009	0.036	0.081	0.141
2.0	0.	0.	2.000	12000.	3658.	0.062	0.002	0.007	0.028	0.062	0.108
2.2	0.	0.	2.200	12500.	3810.	0.052	0.001	0.006	0.023	0.052	0.091
2.4	0.	0.	2.400	13000.	3962.	0.044	0.001	0.005	0.020	0.044	0.078
2.7	0.	0.	2.700	13281.	4048.	0.038	0.001	0.004	0.017	0.038	0.066
3.0	0.	0.	3.000	13563.	4134.	0.032	0.001	0.004	0.014	0.032	0.057
3.5	0.	0.	3.500	14031.	4277.	0.026	0.001	0.003	0.012	0.026	0.046
4.0	0.	0.	4.000	14500.	4420.	0.021	0.001	0.002	0.010	0.021	0.038
4.5	0.	0.	5.000	15200.	4633.	0.016	0.000	0.002	0.007	0.016	0.029
5.0	0.	0.	5.900	15830.	4825.	0.012	0.000	0.001	0.005	0.012	0.022

COEF NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUTPUT TRACE
43	3936	480	1000	-1	4 10 24 11 21 12 20 13 17 14 16 15 13 17 11 18 10 19 7 20 6 21 3 22 2	12
44	3608	436	925	-1	4 11 22 12 21 13 18 14 17 15 14 16 13 17 12 18 11 19 8 20 7 21 4 22 3	13
45	3936	480	1000	-1	4 11 23 12 22 13 19 14 18 15 15 16 14 18 12 19 9 20 8 21 5 22 4 23 1	14
46	4264	516	1075	-1	4 11 24 12 23 13 20 14 19 15 16 16 15 19 10 20 9 21 6 22 5 23 2 24 1	15
47	3936	476	1000	-1	4 12 24 13 21 14 20 15 17 16 16 17 13 19 11 20 10 21 7 22 6 23 3 24 2	16
48	3608	436	925	-1	4 13 22 14 21 15 18 16 17 17 14 18 13 19 12 20 11 21 8 22 7 23 4 24 3	17
49	3936	476	1000	-1	4 13 23 14 22 15 19 16 18 17 15 18 14 20 12 21 9 22 8 23 5 24 4 25 1	18
50	4264	512	1075	-1	4 13 24 14 23 15 20 16 19 17 16 18 15 21 10 22 9 23 6 24 5 25 2 26 1	19
51	3936	476	1000	-1	4 14 24 15 21 16 20 17 17 18 16 19 13 21 11 22 10 23 7 24 6 25 3 26 2	20
52	3608	436	925	-1	4 15 22 16 21 17 18 18 17 19 14 20 13 21 12 22 11 23 8 24 7 25 4 26 3	21
53	3936	472	1000	-1	4 15 23 16 22 17 19 18 18 19 15 20 14 22 12 23 9 24 8 25 5 26 4 27 1	22

0110

14-2

JOB.. ESSO LINE.. 071A-14 BEGIN VELOCITY FUNCTIONS AT STACK ID 40004 TRACE 12 48 CDPS [illegible]

TWO-WAY TIME (INPUT)	AVG.VEL. FEET/SEC (INPUT)	INT.VEL. FEET/SEC (INPUT)	TWO-WAY TIME (APPLIED)	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC (APPLIED)	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.228	0.462	0.677	0.[illegible]04
0.600	7200.	7440.	0.200	6240.	1902.	0.782	0.056	0.178	0.412	0.627	0.[illegible]54
1.100	7500.	78[illegible].	0.300	6480.	1975.	0.673	0.037	0.130	0.362	0.577	0.[illegible]04
1.400	8100.	10300.	0.400	6720.	2048.	0.578	0.027	0.099	0.312	0.527	0.[illegible]54
2.000	10000.	14433.	0.500	6960.	2121.	0.497	0.020	0.077	0.262	0.477	0.[illegible]04
4.000	13000.	16000.	0.600	7200.	2195.	0.427	0.016	0.061	0.218	0.427	0.[illegible]54
5.000	13700.	16500.	0.700	7260.	2213.	0.383	0.013	0.052	0.191	0.383	0.[illegible]04
0.0	0.	0.	0.800	7320.	2231.	0.345	0.012	0.045	0.169	0.345	0.[illegible]54
0.0	0.	0.	0.900	7380.	2249.	0.313	0.010	0.040	0.151	0.313	0.[illegible]09
0.0	0.	0.	1.000	7440.	2268.	0.285	0.009	0.036	0.135	0.285	0.[illegible]68
0.0	0.	0.	1.100	7500.	2286.	0.260	0.008	0.032	0.122	0.260	0.[illegible]32
0.0	0.	0.	1.200	7700.	2347.	0.231	0.007	0.028	0.108	0.231	0.[illegible]87
0.0	0.	0.	1.400	8100.	2469.	0.184	0.005	0.022	0.085	0.184	0.[illegible]13
0.0	0.	0.	1.600	8733.	2662.	0.141	0.004	0.016	0.064	0.141	0.[illegible]44
0.0	0.	0.	1.800	9367.	2855.	0.111	0.003	0.013	0.050	0.111	0.192
0.0	0.	0.	2.000	10000.	3048.	0.088	0.002	0.010	0.040	0.088	0.[illegible]54
0.0	0.	0.	2.200	10300.	3139.	0.076	0.002	0.009	0.034	0.076	0.[illegible]33
0.0	0.	0.	2.400	10600.	3231.	0.066	0.002	0.007	0.029	0.066	0.[illegible]16
0.0	0.	0.	2.700	11050.	3368.	0.054	0.002	0.006	0.024	0.054	0.[illegible]95
0.0	0.	0.	3.000	11500.	3505.	0.045	0.001	0.005	0.020	0.045	0.[illegible]80
0.0	0.	0.	3.500	12250.	3734.	0.034	0.001	0.004	0.015	0.034	0.[illegible]60
0.0	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.[illegible]47
0.0	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.[illegible]34
0.0	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.[illegible]26

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUT) TRACE
91	3936	452	1000	-4	4	34 24 35 21 36 20 37 17 38 16 39 13 41 11 42 10 43 7 44 6 45 3 46 2	12
92	3608	420	925	-4	4	35 22 36 21 37 18 38 17 39 14 40 13 41 12 42 11 43 8 44 7 45 4 46 3	13
93	3936	456	1000	-4	4	35 23 36 22 37 19 38 18 39 15 40 14 42 12 43 9 44 8 45 5 46 4 47 1	14
94	4264	492	1075	-4	4	35 24 36 23 37 20 38 19 39 16 40 15 43 10 44 9 45 6 47 2 48 1	15
95	3936	456	1000	-4	4	36 24 37 21 38 20 39 17 40 16 41 13 43 11 44 10 45 7 46 6 47 3 48 2	16
96	3608	420	925	-6	4	37 22 38 21 39 18 40 17 41 14 42 13 43 12 44 11 45 8 46 7 48 3	17
97	3936	456	1000	-4	4	37 23 38 22 39 19 40 18 41 15 42 14 44 12 45 9 46 8 48 4 49 1	18
98	4264	492	1075	-4	4	37 24 38 23 39 20 40 19 41 16 42 15 45 10 48 5 49 2 50 1	19
99	3936	456	1000	-4	4	38 24 39 21 40 20 41 17 42 1[illegible] 43 13 45 11 48 6 49 3 50 2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	39 [illegible] 40 21 41 18 42 17 [illegible]	[illegible]

0111

JOB.. LINE.. 0714-14 ASSIGN VELOCITY FUNCTIONS AT STACK ID 60004 TRACE 12 46

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- INPUT	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC APPLIED	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.230	0.476	0.724	0.857
0.400	6600.	6800.	0.200	6200.	1890.	0.788	0.057	0.190	0.426	0.674	0.808
1.000	7000.	7267.	0.300	6400.	1951.	0.684	0.038	0.133	0.376	0.624	0.758
1.400	8000.	10500.	0.400	6600.	2012.	0.593	0.028	0.102	0.326	0.574	0.708
1.600	8600.	12800.	0.500	6667.	2032.	0.530	0.022	0.083	0.281	0.524	0.656
2.000	11000.	20600.	0.600	6733.	2052.	0.474	0.018	0.069	0.244	0.474	0.606
2.600	12500.	17500.	0.700	6800.	2073.	0.426	0.015	0.059	0.214	0.426	0.556
4.000	14000.	16736.	0.800	6867.	2093.	0.385	0.013	0.051	0.190	0.385	0.506
5.000	14700.	17500.	0.900	6933.	2113.	0.349	0.011	0.045	0.169	0.349	0.456
0.0	0.	0.	1.000	7000.	2134.	0.317	0.010	0.040	0.152	0.317	0.406
0.0	0.	0.	1.100	7250.	2210.	0.277	0.009	0.034	0.131	0.277	0.356
0.0	0.	0.	1.200	7500.	2286.	0.242	0.007	0.029	0.113	0.242	0.306
0.0	0.	0.	1.400	8000.	2438.	0.188	0.006	0.022	0.087	0.188	0.239
0.0	0.	0.	1.600	8600.	2621.	0.145	0.004	0.017	0.066	0.145	0.181
0.0	0.	0.	1.800	9800.	2987.	0.101	0.003	0.012	0.046	0.101	0.126
0.0	0.	0.	2.000	11000.	3353.	0.073	0.002	0.008	0.033	0.073	0.091
0.0	0.	0.	2.200	11500.	3505.	0.061	0.002	0.007	0.027	0.061	0.076
0.0	0.	0.	2.400	12000.	3658.	0.052	0.001	0.006	0.023	0.052	0.065
0.0	0.	0.	2.700	12607.	3843.	0.042	0.001	0.005	0.019	0.042	0.052
0.0	0.	0.	3.000	12929.	3941.	0.036	0.001	0.004	0.016	0.036	0.045
0.0	0.	0.	3.500	13464.	4104.	0.028	0.001	0.003	0.013	0.028	0.035
0.0	0.	0.	4.000	14000.	4267.	0.023	0.001	0.003	0.010	0.023	0.029
0.0	0.	0.	5.000	14700.	4481.	0.017	0.000	0.002	0.007	0.017	0.022
0.0	0.	0.	5.900	15330.	4673.	0.013	0.000	0.001	0.006	0.013	0.017

COE NO.	DIST	MAXIMUM NMO	MUTE	STAT	INPUT REEL	INPUT FILES - TRACE NUMBERS	OUT TRACE
139	3936	468	1000	-4	4	58 24 59 21 60 20 61 17 62 16 63 13 65 11 66 10 67 7 68 6 69 3 70 2	12
140	3608	424	925	-4	4	59 22 60 21 61 18 62 17 63 14 64 13 65 12 66 11 67 8 68 7 69 4 70 3	13
141	3936	464	1000	-6	4	59 23 60 22 61 19 62 18 63 15 64 14 66 12 67 9 68 8 69 5 70 4 71 1	14
142	4264	503	1075	-6	4	59 24 60 23 61 20 62 19 63 16 64 15 67 10 68 9 69 6 70 5 71 2 72 1	15
143	3936	464	1000	-4	4	60 24 61 21 62 20 63 17 64 16 65 13 67 11 68 10 69 7 70 6 71 3 72	16
144	3608	424	925	-4	4	61 22 62 21 63 18 64 17 65 14 66 13 67 12 68 11 69 8 70 7 72 3	17
145	3936	464	1000	-4	4	61 23 62 22 63 19 64 18 65 15 66 14 68 12 69 9 70 8 71 5 73 1	18
146	4264	504	1075	-4	4	61 24 62 23 63 20 64 19 65 16 66 15 69 10 70 9 72 5 73 2 74 1	19
147	3936	464	1000	-6	4	62 24 63 21 64 20 65 17 66 16 67 13 69 11 70 10 72 6 73 3 74	20
148	3608	420	925	-6	4	63 22 64 21 65 18 66 17 67 14 68 13 69 12 70 11 74 3	21
149	3936	460	1000	-4	4	63 23 64 22 65 19 66 18 67 15 68 14	22

0112

JOB.. ESSO LINE.. 071A-14 BEGIN VELOCITY FUNCTIONS AT STACK ID 80004 TRACE-12

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	[illegible]'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.224	0.448	0.677	[illegible]
0.400	7000.	7333.	0.200	6333.	1930.	0.768	0.055	0.174	0.398	0.627	0.[illegible]34
0.700	7300.	7700.	0.300	6667.	2032.	0.649	0.035	0.124	0.348	0.577	[illegible]
0.900	7400.	7750.	0.400	7000.	2134.	0.546	0.025	0.092	0.298	0.527	[illegible]
1.600	9600.	12420.	0.500	7100.	2164.	0.482	0.019	0.074	0.253	0.477	[illegible]
2.000	11000.	16600.	0.600	7200.	2195.	0.427	0.016	0.061	0.218	0.427	[illegible]
2.400	12500.	20000.	0.700	7300.	2225.	0.380	0.013	0.052	0.189	0.380	[illegible]
3.000	13600.	18000.	0.800	7350.	2240.	0.343	0.011	0.045	0.168	0.343	[illegible]
4.000	14500.	17200.	0.900	7400.	2256.	0.311	0.010	0.040	0.150	0.311	[illegible]
5.000	15200.	18000.	1.000	7714.	2351.	0.267	0.008	0.033	0.126	0.267	[illegible]
0.0	0.	0.	1.100	8029.	2447.	0.230	0.007	0.028	0.108	0.230	0.384
0.0	0.	0.	1.200	8343.	2543.	0.199	0.006	0.024	0.092	0.199	0.336
0.0	0.	0.	1.400	8971.	2734.	0.152	0.004	0.018	0.069	0.152	0.260
0.0	0.	0.	1.600	9600.	2926.	0.118	0.003	0.014	0.053	0.118	0.204
0.0	0.	0.	1.800	10300.	3139.	0.092	0.003	0.010	0.041	0.092	0.160
0.0	0.	0.	2.000	11000.	3353.	0.073	0.002	0.008	0.033	0.073	0.128
0.0	0.	0.	2.200	11750.	3581.	0.058	0.002	0.007	0.026	0.058	0.103
0.0	0.	0.	2.400	12500.	3810.	0.048	0.001	0.005	0.021	0.048	0.084
0.0	0.	0.	2.700	13050.	3978.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.000	13600.	4145.	0.032	0.001	0.004	0.014	0.032	0.057
0.0	0.	0.	3.500	14050.	4282.	0.026	0.001	0.003	0.012	0.026	0.046
0.0	0.	0.	4.000	14500.	4420.	0.021	0.001	0.002	0.010	0.021	0.038
0.0	0.	0.	5.000	15200.	4633.	0.016	0.000	0.002	0.007	0.016	0.028
0.0	0.	0.	5.900	15830.	4825.	0.012	0.000	0.001	0.005	0.012	0.022

CDP NO.	DIST (MAXIMUM)	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)																										(OUT TRACE)
187	3936	440	1000	-5	4	82	24	83	21	84	20	85	17	86	16	87	13	89	11	90	10	91	7	92	6	93	3	94	2			12
188	3608	400	925	-5	4	83	22	84	21	85	18	86	17	87	14	88	13	89	12	90	11	91	8	92	7	93	4	94	3			13
189	3936	440	1000	-5	4	83	23	84	22	85	19	86	18	87	15	88	14	90	12	91	9	92	8	93	5	94	4	95	1			14
190	4264	476	1075	-5	4	83	24	84	23	85	20	86	19	87	16	88	15	91	10	92	9	93	6	94	5	95	2	96	1			15
191	3936	440	1000	-5	4	84	24	85	21	86	20	87	17	88	16	89	13	91	11	92	10	93	7	94	6	95	3	96	2			16
192	3608	400	925	-5	4	85	22	86	21	87	18	88	17	89	14	90	13	91	12	92	11	93	8	94	7	95	4	96	3			17
193	3936	440	1000	-5	4	85	23	86	22	87	19	88	18	89	15	90	14	92	12	93	9	94	8	95	5	96	4	97	1			[illegible]
194	4264	476	1075	-5	4	85	24	86	23	87	20	88	19	89	16	90	15	93	10	94	9	95	6	96	5	97	2	[illegible]	[illegible]			[illegible]
195	[illegible]	440	[illegible]	[illegible]	4	[illegible]	24	87	21	88	20	89	17	90	1[illegible]	91	13	93	11	94	10	95	7	96	[illegible]	97	[illegible]	[illegible]	[illegible]			[illegible]

14-

J[illegible].. ESSO LINE.. 071A-14 BEGIN VELOCITY FUNCTIONS AT STACK ID 20004 TRACE 12 48 CDPS TO NEXT V

TWO-WAY TIME (INPUT)	AVG.VEL. FEET/SEC (INPUT)	INT.VEL. FEET/SEC (INPUT)	TWO-WAY TIME (APPLIED)	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC (APPLIED)	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
[illegible]	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.232	0.488	0.700	0.849
[illegible]	7000.	7143.	0.200	6143.	1872.	0.797	0.058	0.182	0.438	0.650	0.798
[illegible]	8500.	12500.	0.300	6226.	1916.	0.701	0.040	0.137	0.388	0.600	0.748
[illegible]	10000.	13300.	0.400	6429.	1959.	0.615	0.029	0.107	0.338	0.550	0.698
[illegible]	12000.	20000.	0.500	6571.	2003.	0.541	0.023	0.085	0.288	0.500	0.648
[illegible]	13000.	18000.	0.600	6714.	2047.	0.476	0.018	0.070	0.246	0.450	0.598
[illegible]	14500.	16750.	0.700	6857.	2090.	0.421	0.015	0.058	0.211	0.400	0.548
[illegible]	15200.	18000.	0.800	7000.	2134.	0.372	0.013	0.049	0.183	0.350	0.493
[illegible]	0.	0.	0.900	7500.	2286.	0.304	0.010	0.039	0.146	0.300	0.448
[illegible]	0.	0.	1.000	8000.	2438.	0.250	0.008	0.031	0.118	0.250	0.398
[illegible]	0.	0.	1.100	8500.	2591.	0.207	0.006	0.025	0.096	0.207	0.348
[illegible]	0.	0.	1.200	8800.	2682.	0.180	0.005	0.021	0.083	0.180	0.305
[illegible]	0.	0.	1.400	9400.	2865.	0.139	0.004	0.016	0.063	0.139	0.238
[illegible]	0.	0.	1.600	10000.	3048.	0.109	0.003	0.012	0.049	0.109	0.189
[illegible]	0.	0.	1.800	11000.	3353.	0.081	0.002	0.009	0.036	0.081	0.141
[illegible]	0.	0.	2.000	12000.	3658.	0.062	0.002	0.007	0.028	0.062	0.108
[illegible]	0.	0.	2.200	12500.	3810.	0.052	0.001	0.006	0.023	0.052	0.091
[illegible]	0.	0.	2.400	13000.	3962.	0.044	0.001	0.005	0.020	0.044	0.078
[illegible]	0.	0.	2.700	13281.	4048.	0.038	0.001	0.004	0.017	0.038	0.066
[illegible]	0.	0.	3.000	13563.	4134.	0.032	0.001	0.004	0.014	0.032	0.057
[illegible]	0.	0.	3.500	14031.	4277.	0.026	0.001	0.003	0.012	0.026	0.046
[illegible]	0.	0.	4.000	14500.	4420.	0.021	0.001	0.002	0.010	0.021	0.038
[illegible]	0.	0.	5.000	15200.	4633.	0.016	0.000	0.002	0.007	0.016	0.028
[illegible]	0.	0.	5.900	15830.	4825.	0.012	0.000	0.001	0.005	0.012	0.022

CDP NO.	DIST (MAXIMUM)	TIME (MAXIMUM)	MUTE (MAXIMUM)	STAT	INPUT RESL	(INPUT FILES - TRACE NUMBERS)
[illegible]	[illegible]	[illegible]	[illegible]	-1	4	10 24 11 21 12 20 13 17 14 16 15 13 17 11 18 10 19 7 20 6 21 3 22 2
[illegible]	[illegible]	[illegible]	925	-1	4	11 22 12 21 13 18 14 17 15 14 16 13 17 12 18 11 19 8 20 7 21 4 22 [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	-1	4	11 23 12 22 13 19 14 18 15 15 16 14 18 12 19 9 20 8 21 5 22 4 [illegible]
[illegible]	[illegible]	[illegible]	1075	-1	4	11 24 12 23 13 20 14 19 15 16 16 15 19 10 20 9 21 6 22 5 23 2 [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	-1	4	12 24 13 21 14 22 15 17 16 16 17 13 19 11 20 10 21 7 22 6 23 3 [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	-1	4	12 22 14 21 15 18 16 17 17 14 18 13 19 12 20 11 21 8 22 7 23 4
[illegible]	[illegible]	[illegible]	[illegible]	-1	4	13 23 14 22 15 19 16 18 17 15 18 14 20 12 21 9 22 8 23 5 [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	1	4	1[illegible] 24 15 23 15 20 16 19 17 16 19 15 21 10 22 9 23 6 24 [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	14 [illegible] 17 17 19 16 19 13 21 11 22 10 23 7 [illegible]

0114

JOB.. 5550 LINE.. 071A-14 BEGIN VELOCITY FUNCTIONS AT STACK ID 40004 TRACE 12 48 CDPS TO NEXT

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.228	0.462	0.677	0.904
0.200	7200.	7440.	0.200	6240.	1902.	0.782	0.056	0.178	0.412	0.627	0.854
0.300	7500.	7860.	0.300	6480.	1975.	0.673	0.037	0.130	0.362	0.577	0.804
0.400	8100.	10300.	0.400	6720.	2048.	0.578	0.027	0.099	0.312	0.527	0.754
0.500	10300.	14433.	0.500	6960.	2121.	0.497	0.020	0.077	0.262	0.477	0.704
0.600	13000.	16000.	0.600	7200.	2195.	0.427	0.016	0.061	0.218	0.427	0.654
0.700	13700.	16500.	0.700	7260.	2213.	0.383	0.013	0.052	0.191	0.383	0.604
0.800	6.	0.	0.800	7320.	2231.	0.345	0.012	0.045	0.169	0.345	0.554
0.900	0.	0.	0.900	7380.	2249.	0.313	0.010	0.040	0.151	0.313	0.509
1.000	0.	0.	1.000	7440.	2268.	0.285	0.009	0.036	0.135	0.285	0.468
1.100	0.	0.	1.100	7500.	2286.	0.260	0.008	0.032	0.122	0.260	0.432
1.200	0.	0.	1.200	7700.	2347.	0.231	0.007	0.028	0.108	0.231	0.387
1.400	0.	0.	1.400	8100.	2469.	0.184	0.005	0.022	0.085	0.184	0.313
1.600	0.	0.	1.600	8723.	2662.	0.141	0.004	0.016	0.064	0.141	0.244
1.800	0.	0.	1.800	9367.	2855.	0.111	0.003	0.013	0.050	0.111	0.192
2.000	0.	0.	2.000	10000.	3048.	0.088	0.002	0.010	0.040	0.088	0.154
2.200	0.	0.	2.200	10300.	3139.	0.076	0.002	0.009	0.034	0.076	0.133
2.400	0.	0.	2.400	10600.	3231.	0.066	0.002	0.007	0.029	0.066	0.116
2.700	0.	0.	2.700	11050.	3368.	0.054	0.002	0.006	0.024	0.054	0.095
3.000	0.	0.	3.000	11500.	3505.	0.045	0.001	0.005	0.020	0.045	0.080
3.500	0.	0.	3.500	12250.	3734.	0.034	0.001	0.004	0.015	0.034	0.060
4.000	0.	0.	4.000	13000.	3962.	0.027	0.001	0.003	0.012	0.027	0.047
5.000	0.	0.	5.000	13700.	4176.	0.019	0.001	0.002	0.009	0.019	0.034
5.900	0.	0.	5.900	14330.	4368.	0.015	0.000	0.002	0.007	0.015	0.026

CDP	(MAXIMUM) DIST	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	TRA
41	3936	452	1100	-4	4 34 24 35 21 36 20 37 17 38 16 39 13 41 11 42 10 43 7 44 6 45 3 46 2	1
42	3984	420	925	-4	4 35 22 36 21 37 18 38 17 39 14 40 13 41 12 42 11 43 8 44 7 45 4 46 3	2
43	3936	456	1100	-4	4 35 23 36 22 37 19 38 18 39 15 40 14 42 12 43 9 44 8 45 5 46 4 47 1	1
44	4044	480	1175	-4	4 35 24 36 23 37 20 38 19 39 16 40 15 43 10 44 9 45 6 47 2 48 1	2
45	3936	456	1100	-4	4 36 24 37 21 38 20 39 17 40 16 41 13 43 11 44 10 45 7 46 6 47 3 48 2	1
46	4032	420	925	-4	4 37 23 38 21 39 18 40 17 41 14 42 13 43 12 44 11 45 8 46 7 48 3	2
47	3984	456	1100	-4	4 37 24 38 22 39 19 40 18 41 15 42 14 44 12 45 9 46 3 48 4 49 1	1
48	4044	480	1175	-4	4 37 24 38 23 39 20 40 19 41 16 42 15 45 10 49 5 49 2 50 1	2
49	3936	456	1100	-4	4 38 24 39 21 40 20 41 17 42 16 43 13 45 11 46 6 49 [illegible]	[illegible]

0110

4-3

JOB.. ESSO LINE.. 071A-14 . BEGIN VELOCITY FUNCTIONS AT STACK ID 60004 TRACE 12 48 CDPS TO NEXT VEL

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (6000')	NMO WITH LIMITING FACTOR 1000'	2000'	4000'	6000'	8000'
0.1[illegible]	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.230	0.476	0.724	0.956
0.4[illegible]	6600.	6800.	0.200	6200.	1890.	0.788	0.057	0.180	0.426	0.674	0.906
1.[illegible]	7000.	7267.	0.300	6400.	1951.	0.684	0.038	0.133	0.376	0.624	0.856
1.4[illegible]	8000.	10500.	0.400	6600.	2012.	0.593	0.028	0.102	0.326	0.574	0.806
1.6[illegible]	8600.	12800.	0.500	6667.	2032.	0.530	0.022	0.083	0.281	0.524	0.756
2.[illegible]	11000.	20600.	0.600	6733.	2052.	0.474	0.018	0.069	0.244	0.474	0.706
2.[illegible]	12500.	17500.	0.700	6800.	2073.	0.426	0.015	0.059	0.214	0.426	0.656
4.[illegible]	14000.	16786.	0.800	6867.	2093.	0.385	0.013	0.051	0.190	0.385	0.606
5.[illegible]	14700.	17500.	0.900	6933.	2113.	0.349	0.011	0.045	0.169	0.349	0.556
0.0	0.	0.	1.000	7000.	2134.	0.317	0.010	0.040	0.152	0.317	0.506
0.0	0.	0.	1.100	7250.	2210.	0.277	0.009	0.034	0.131	0.277	0.456
0.0	0.	0.	1.200	7500.	2286.	0.242	0.007	0.029	0.113	0.242	0.406
0.0	0.	0.	1.400	8000.	2438.	0.188	0.006	0.022	0.087	0.188	0.320
0.0	0.	0.	1.600	8600.	2621.	0.145	0.004	0.017	0.066	0.145	0.251
0.0	0.	0.	1.800	9800.	2987.	0.101	0.003	0.012	0.046	0.101	0.176
0.0	0.	0.	2.000	11000.	3353.	0.073	0.002	0.008	0.033	0.073	0.128
0.0	0.	0.	2.200	11500.	3505.	0.061	0.002	0.007	0.027	0.061	0.107
0.0	0.	0.	2.400	12000.	3658.	0.052	0.001	0.006	0.023	0.052	0.091
0.0	0.	0.	2.700	12607.	3843.	0.042	0.001	0.005	0.019	0.042	0.074
0.0	0.	0.	3.000	12929.	3941.	0.036	0.001	0.004	0.016	0.036	0.063
0.0	0.	0.	3.500	13464.	4104.	0.028	0.001	0.003	0.013	0.028	0.050
0.0	0.	0.	4.000	14000.	4267.	0.023	0.001	0.003	0.010	0.023	0.041
0.0	0.	0.	5.000	14700.	4481.	0.017	0.000	0.002	0.007	0.017	0.030
0.0	0.	0.	5.900	15330.	4673.	0.013	0.000	0.001	0.006	0.013	0.023

CDP NO.	......(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	......(INPUT FILES - TRACE NUMBERS)......
[illegible]	[illegible]	46[illegible]	1029	-4	4	58 24 59 21 60 20 61 17 62 16 63 13 65 11 66 10 67 7 68 6 69 3 70 2
[illegible]	[illegible]	424	925	-4	4	59 22 60 21 61 18 62 17 63 14 64 13 65 12 66 11 67 8 68 7 69 4 70 3
[illegible]	[illegible]	444	[illegible]	-4	4	59 23 60 22 61 19 62 18 63 15 64 14 66 12 67 9 68 8 69 5 70 4 71 1
[illegible]	4244	501	1075	-4	4	59 24 60 23 61 20 62 19 63 16 64 15 67 10 68 9 69 6 70 5 71 2 72 1
[illegible]	[illegible]	464	[illegible]	-4	4	60 24 61 21 62 20 63 17 64 16 65 13 67 11 68 10 69 7 70 6 71 3 72 2
[illegible]	[illegible]	[illegible]	[illegible]	-4	4	61 22 62 21 63 18 64 17 65 14 66 13 67 12 68 11 69 8 70 7 72 3
[illegible]	[illegible]	[illegible]	[illegible]	-4	4	61 2[illegible] 62 22 63 19 64 18 65 15 66 14 68 12 69 9 70 8 71 5 73 1
[illegible]	[illegible]	[illegible]	[illegible]	-4	4	61 24 62 22 63 20 64 19 65 16 64 15 69 10 70 9 72 5 73 2 74 1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible] 24 [illegible] 21 64 2[illegible] [illegible] 17 66 16 67 13 69 11 70 10 72 6 73 3 74 2
						[illegible] 17 67 14 68 13 [illegible] 12 70 11 74 3

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TRACE

0116

14-4

JOB.. ESSO LINE.. 071A-14 BEGIN VELOCITY FUNCTIONS AT STACK ID 80004 TRACE 12 0 CDPS TO NEXT V[illegible]

TWO-WAY TIME	AVG.VEL. --	INT.VEL. FEET/SEC --	TWO-WAY TIME	AVG.VEL. FT/SEC	AVG.VEL. M/SEC	NMO (6000')	1000'	2000'	4000'	6000'	8000'
.... (INPUT)		....	.... (APPLIED)		....		---------- NMO WITH LIMITING FACTOR			----------	
0.100	6000.	6000.	0.100	6000.	1829.	0.905	0.094	0.224	0.448	0.677	0.884
0.400	7000.	7333.	0.200	6333.	1930.	0.768	0.055	0.174	0.398	0.627	0.834
0.700	7300.	7700.	0.300	6667.	2032.	0.649	0.035	0.124	0.348	0.577	0.784
0.900	7400.	7750.	0.400	7000.	2134.	0.546	0.025	0.092	0.298	0.527	0.734
1.400	9600.	12429.	0.500	7100.	2164.	0.482	0.019	0.074	0.253	0.477	0.684
2.000	11000.	16600.	0.600	7200.	2195.	0.427	0.016	0.061	0.218	0.427	0.634
2.400	12500.	20000.	0.700	7300.	2225.	0.380	0.013	0.052	0.189	0.380	0.584
3.000	13600.	18000.	0.800	7350.	2240.	0.343	0.011	0.045	0.168	0.343	0.534
4.000	14500.	17200.	0.900	7400.	2256.	0.311	0.010	0.040	0.150	0.311	0.484
5.000	15200.	18000.	1.000	7714.	2351.	0.267	0.008	0.033	0.126	0.267	0.434
0.0	0.	0.	1.100	8029.	2447.	0.230	0.007	0.028	0.108	0.230	0.384
0.0	0.	0.	1.200	8343.	2543.	0.199	0.006	0.024	0.092	0.199	0.336
0.0	0.	0.	1.400	8971.	2734.	0.152	0.004	0.018	0.069	0.152	0.260
0.0	0.	0.	1.600	9600.	2926.	0.118	0.003	0.014	0.053	0.118	0.204
0.0	0.	0.	1.800	10300.	3139.	0.092	0.003	0.010	0.041	0.092	0.160
0.0	0.	0.	2.000	11000.	3353.	0.073	0.002	0.008	0.033	0.073	0.128
0.0	0.	0.	2.200	11750.	3581.	0.058	0.002	0.007	0.026	0.058	0.103
0.0	0.	0.	2.400	12500.	3810.	0.048	0.001	0.005	0.021	0.048	0.084
0.0	0.	0.	2.700	13050.	3978.	0.039	0.001	0.004	0.017	0.039	0.069
0.0	0.	0.	3.000	13600.	4145.	0.032	0.001	0.004	0.014	0.032	0.057
0.0	0.	0.	3.500	14050.	4282.	0.026	0.001	0.003	0.012	0.026	0.046
0.0	0.	0.	4.000	14500.	4420.	0.021	0.001	0.002	0.010	0.021	0.038
0.0	0.	0.	5.000	15200.	4633.	0.016	0.000	0.002	0.007	0.016	0.028
0.0	0.	0.	6.000	15830.	4825.	0.012	0.000	0.001	0.005	0.012	0.022

CDP NO.	.....(MAXIMUM DIST	OFF.	ZONE).....	STAT	INPUT RECL	......(INPUT FILES - TRACE NUMBERS)......																					.(TRAC
1[illegible]	[illegible]	[illegible]	1000	-5	4	82 24	83 21	84 20	85 17	86 16	87 13	89 11	90 10	91	7	92	6	93	3	94	2						1[illegible]
[illegible]	[illegible]	[illegible]	995	-5	4	83 22	84 21	85 18	86 17	87 14	88 13	89 12	90 11	91	8	92	7	93	4	94	3						1[illegible]
[illegible]	[illegible]	[illegible]	1000	-6	4	83 [illegible]	84 22	85 19	86 18	87 15	88 14	90 12	91 9	92	8	93	5	94	4	95	1						1[illegible]
[illegible]	[illegible]	[illegible]	1075	[illegible]	4	[illegible]	84 [illegible]	85 20	86 19	87 16	88 15	91 10	92 9	93	6	94	5	95	2	96	1						1[illegible]
1[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]	4	[illegible] 24	[illegible] 21	[illegible]	[illegible] 17	88 16	89 13	91 11	92 10	93	7	94	6	95	3	96	2						1[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible] 21	87 1[illegible]	[illegible] 17	89 14	90 13	91 12	92 11	93	[illegible]	94	7	95	4	96	3						1

ESSØ LINE 071A-15

15-1

JOB ESSO LINE 071A-15 BEGIN VELOCITY FUNCTIONS AT CDP 14 24 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. FEET/SEC (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	6500.	6500.	0.100	6500.	1981.	0.739	0.025	0.231	0.479	0.622	0.861
0.200	6800.	6875.	0.200	6575.	2004.	0.647	0.014	0.181	0.420	0.572	0.831
0.300	7500.	8667.	0.300	6650.	2027.	0.567	0.009	0.139	0.379	0.522	0.791
0.400	8200.	9600.	0.400	6725.	2050.	0.499	0.007	0.110	0.329	0.472	0.731
0.500	9100.	10900.	0.500	6800.	2073.	0.440	0.005	0.090	0.283	0.422	0.681
0.600	9700.	12300.	0.600	7033.	2144.	0.376	0.004	0.072	0.237	0.372	0.631
0.700	11000.	16200.	0.700	7267.	2215.	0.322	0.003	0.059	0.199	0.322	0.581
0.800	12500.	20000.	0.800	7500.	2286.	0.277	0.003	0.049	0.169	0.277	0.531
0.900	14000.	16250.	0.900	7675.	2339.	0.243	0.002	0.042	0.147	0.243	0.481
0.900	14700.	17500.	1.000	7850.	2393.	0.215	0.002	0.036	0.128	0.215	0.431
0.0	0.	0.	1.100	8025.	2446.	0.190	0.002	0.032	0.113	0.190	0.388
0.0	0.	0.	1.200	8200.	2499.	0.170	0.001	0.028	0.100	0.170	0.345
0.0	0.	0.	1.400	9300.	2835.	0.116	0.001	0.019	0.068	0.116	0.245
0.0	0.	0.	1.500	9700.	2957.	0.094	0.001	0.015	0.055	0.094	0.202
0.0	0.	0.	1.800	10350.	3155.	0.074	0.001	0.012	0.043	0.074	0.160
0.0	0.	0.	2.000	11000.	3353.	0.060	0.000	0.009	0.034	0.060	0.129
0.0	0.	0.	2.200	11750.	3581.	0.048	0.000	0.007	0.027	0.048	0.104
0.0	0.	0.	2.400	12500.	3810.	0.039	0.000	0.006	0.022	0.039	0.085
0.0	0.	0.	2.700	12781.	3896.	0.033	0.000	0.005	0.019	0.033	0.072
0.0	0.	0.	3.000	13063.	3981.	0.028	0.000	0.004	0.016	0.028	0.062
0.0	0.	0.	3.500	13531.	4124.	0.023	0.000	0.004	0.013	0.023	0.050
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.008	0.014	0.030
			5.900	15330.	4673.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPUT TRACE ID)
14	492	24	25	-16	20 2 12		1 10
15	820	60	25	-17	20 1 13 3 11		2
16	1148	104	390	-18	20 1 14 3 12 4 10		3
17	1476	148	365	-19	20 1 15 2 13 4 11 5 9		4
18	1804	188	410	-17	20 1 16 2 14 4 12 5 10 6 8		5
19	2132	232	465	-17	20 1 17 2 15 3 13 5 11 6 9 7 7		6
20	2460	272	520	-18	20 1 18 2 16 3 14 5 12 6 10 7 8 8 6		7
21	2788	316	575	-18	20 1 19 2 17 3 15 4 13 6 11 7 9 8 7 9 5		8
22	3116	356	630	-18	20 1 20 2 18 3 16 4 14 6 12 7 10 8 8 9 6 10 4		9
23	3444	396	685	-18	20 1 21 2 19 3 17 4 15 6 13 7 11 8 9 9 7 10 5 11 3		
	3772	440	740	-19			

0118

JOB... ESSO LINE.. 071A-15 BEGIN VELOCITY FUNCTIONS AT CDP 38 48 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- INT.VEL. FEET/SEC -- (INPUT)		TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	6500.	6500.	0.100	6500.	1981.	0.739	0.025	0.231	0.479	0.622	0.681
0.200	6800.	6875.	0.200	6575.	2004.	0.647	0.014	0.181	0.429	0.572	0.631
0.300	7500.	8667.	0.300	6650.	2027.	0.567	0.009	0.139	0.379	0.522	0.731
1.200	8200.	9600.	0.400	6725.	2050.	0.499	0.007	0.110	0.329	0.472	0.731
1.300	9100.	19900.	0.500	6800.	2073.	0.440	0.005	0.090	0.283	0.422	0.681
1.600	9700.	12300.	0.600	7033.	2144.	0.376	0.004	0.072	0.237	0.372	0.631
2.000	11000.	16200.	0.700	7267.	2215.	0.322	0.003	0.059	0.199	0.322	0.581
2.400	12500.	20000.	0.800	7500.	2286.	0.277	0.003	0.049	0.169	0.277	0.531
4.000	14000.	16250.	0.900	7675.	2339.	0.243	0.002	0.042	0.147	0.243	0.481
5.000	14700.	17500.	1.000	7850.	2393.	0.215	0.002	0.036	0.128	0.215	0.431
0.0	0.	0.	1.100	8025.	2446.	0.190	0.002	0.032	0.113	0.190	0.388
0.0	0.	0.	1.200	8250.	2499.	0.170	0.001	0.028	0.100	0.170	0.345
0.0	0.	0.	1.400	9300.	2835.	0.116	0.001	0.019	0.068	0.116	0.245
0.0	0.	0.	1.600	9700.	2957.	0.094	0.001	0.015	0.055	0.094	0.202
0.0	0.	0.	1.800	10350.	3155.	0.074	0.001	0.012	0.043	0.074	0.160
0.0	0.	0.	2.000	11000.	3353.	0.060	0.000	0.009	0.034	0.060	0.129
0.0	0.	0.	2.200	11750.	3581.	0.048	0.000	0.007	0.027	0.048	0.104
0.0	0.	0.	2.400	12500.	3810.	0.039	0.000	0.006	0.022	0.039	0.085
0.0	0.	0.	2.700	12781.	3896.	0.033	0.000	0.005	0.019	0.033	0.072
0.0	0.	0.	3.000	13063.	3981.	0.028	0.000	0.004	0.016	0.028	0.062
0.0	0.	0.	3.500	13531.	4124.	0.023	0.000	0.004	0.013	0.023	0.050
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.008	0.014	0.030
0.0	0.	0.	5.900	15330.	4673.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	ROUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	(OUTPUT TRACE
38	4100	480	795	-15	20 7 24 8 22 9 20 10 18 11 16 12 14 14 12 15 10 16 8 17 6 18 4 19 2		1 20
39	4100	476	795	-15	20 8 23 9 21 10 19 11 17 12 15 13 13 15 11 16 9 17 7 18 5 19 3 20 1		2
40	4100	476	795	-15	20 8 24 9 22 10 20 11 18 12 16 13 14 15 12 16 10 17 8 18 6 19 4 20 2		3
41	4100	476	795	-15	20 9 23 10 21 11 19 12 17 13 15 14 13 16 11 17 9 18 7 19 5 20 3 21 1		4
42	4100	476	795	-15	20 9 24 10 22 11 20 12 18 13 16 14 14 16 12 17 10 18 8 19 6 20 4 21 2		5
43	4100	476	795	-15	20 10 23 11 21 12 19 13 17 14 15 15 13 17 11 18 9 19 7 20 5 21 3 22 1		6
44	4100	476	795	-15	20 10 24 11 22 12 20 13 18 14 16 15 14 17 12 18 10 19 8 20 6 21 4 22 2		7
45	4100	476	795	-15	20 11 23 12 21 13 19 14 17 15 15 16 13 18 11 19 9 20 7 21 5 22 3 23 1		8
[illegible]	4100	476	795	-15	20 11 24 12 22 13 20 14 18 15 16 16 14 18 12 19 10 20 8 21 6 22 4 23 2		9

0113

JOB... ESSO LINE... 071A-15 BEGIN VELOCITY FUNCTIONS AT CDP 86 36 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	6700.	6700.	0.100	6700.	2042.	0.714	0.024	0.223	0.463	0.619	0.885
0.200	7100.	7180.	0.200	6780.	2067.	0.623	0.013	0.173	0.413	0.569	0.835
0.300	7200.	7500.	0.300	6860.	2091.	0.544	0.008	0.132	0.363	0.519	0.785
0.400	7600.	9200.	0.400	6940.	2115.	0.476	0.006	0.104	0.313	0.469	0.735
0.500	8400.	12400.	0.500	7020.	2140.	0.419	0.005	0.085	0.269	0.419	0.685
0.600	9400.	12400.	0.600	7100.	2164.	0.370	0.004	0.071	0.233	0.370	0.635
0.700	10400.	14400.	0.700	7150.	2179.	0.331	0.003	0.061	0.205	0.331	0.595
0.900	12000.	20000.	0.900	7200.	2195.	0.298	0.003	0.053	0.182	0.298	0.535
1.000	14000.	17000.	0.000	7400.	2254.	0.260	0.002	0.045	0.157	0.260	0.485
1.100	14700.	17500.	1.000	7600.	2316.	0.228	0.002	0.039	0.136	0.228	0.435
0.0	0.	0.	1.100	8000.	2439.	0.191	0.002	0.032	0.114	0.191	0.385
0.0	0.	0.	1.200	8400.	2560.	0.162	0.001	0.027	0.095	0.162	0.335
0.0	0.	0.	1.400	8900.	2713.	0.126	0.001	0.020	0.074	0.126	0.266
0.0	0.	0.	1.600	9400.	2865.	0.100	0.001	0.016	0.058	0.100	0.214
0.0	0.	0.	1.800	9900.	3018.	0.081	0.001	0.013	0.047	0.081	0.175
0.0	0.	0.	2.000	10400.	3170.	0.067	0.001	0.010	0.038	0.067	0.144
0.0	0.	0.	2.200	11200.	3414.	0.052	0.000	0.008	0.030	0.052	0.114
0.0	0.	0.	2.400	12000.	3658.	0.042	0.000	0.007	0.024	0.042	0.092
0.0	0.	0.	2.700	12375.	3772.	0.035	0.000	0.005	0.020	0.035	0.077
0.0	0.	0.	3.000	12750.	3886.	0.030	0.000	0.005	0.017	0.030	0.065
0.0	0.	0.	3.500	13375.	4077.	0.023	0.000	0.004	0.013	0.023	0.051
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.009	0.014	0.030
0.0	0.	0.	5.900	15330.	4673.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES = TRACE NUMBERS)	(OUTPU TRACE I
86	4100	464	795	-16	20 31 24 32 22 33 20 34 18 35 16 36 14 38 12 39 10 40 8 41 6 42 4 43 2	1
87	4100	464	795	-16	20 32 23 33 21 34 19 35 17 36 15 37 13 39 11 40 9 41 7 42 5 43 3 44 1	2
88	4100	464	795	-16	20 32 24 33 22 34 20 35 18 36 16 37 14 39 12 40 10 41 8 42 6 43 4 44 2	3
89	4100	464	795	-16	20 33 23 34 21 35 19 36 17 37 15 38 13 40 11 41 9 42 7 43 5 44 3 45 1	4
90	4100	464	795	-16	20 33 24 34 22 35 20 36 18 37 16 38 14 40 12 41 10 42 8 43 6 44 4 45 2	5
91	4100	464	795	-16	20 34 23 35 21 36 19 37 17 38 15 39 13 41 11 42 9 43 7 44 5 45 3 46 1	6
92	4100	464	795	-16	20 34 24 35 22 36 20 37 18 38 16 39 14 41 12 42 10 43 8 44 6 45 4 46 2	7
93	4100	464	795	-16	20 35 23 36 21 37 19 38 17 39 15 40 13 42 11 43 9 44 7 45 5 46 3 47 1	8
	4100	464	795	-16	20 35 24 36 22 37 20 38 18 39 16 40 14 42 12 43 10 44 8 45 6 46 4 47	

0120

JOB.. FSSP LINE.. 071A-15 BEGIN VELOCITY FUNCTIONS AT CDP 122 36 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	6500.	6500.	0.100	6500.	1981.	0.739	0.025	0.230	0.474	0.629	0.902
0.900	7300.	7400.	0.200	6600.	2012.	0.644	0.013	0.180	0.424	0.579	0.852
1.100	7700.	9500.	0.300	6700.	2042.	0.562	0.009	0.137	0.374	0.529	0.802
1.400	10000.	15060.	0.400	6800.	2073.	0.491	0.006	0.108	0.324	0.479	0.752
2.000	11500.	17500.	0.500	6900.	2103.	0.430	0.005	0.088	0.277	0.429	0.702
4.000	14000.	16500.	0.600	7000.	2134.	0.379	0.004	0.073	0.238	0.379	0.652
5.000	14700.	17500.	0.700	7100.	2164.	0.335	0.003	0.062	0.207	0.335	0.602
0.0	0.	0.	0.800	7200.	2195.	0.298	0.003	0.053	0.182	0.298	0.552
0.0	0.	0.	0.900	7300.	2225.	0.266	0.003	0.046	0.161	0.266	0.502
0.0	0.	0.	1.000	7500.	2286.	0.233	0.002	0.040	0.140	0.233	0.452
0.0	0.	0.	1.100	7700.	2347.	0.205	0.002	0.034	0.122	0.205	0.402
0.0	0.	0.	1.200	8160.	2487.	0.171	0.002	0.028	0.101	0.171	0.352
0.0	0.	0.	1.400	9080.	2768.	0.122	0.001	0.020	0.071	0.122	0.256
0.0	0.	0.	1.600	10000.	3048.	0.089	0.001	0.014	0.052	0.089	0.190
0.0	0.	0.	1.800	10750.	3277.	0.069	0.001	0.011	0.040	0.069	0.149
0.0	0.	0.	2.000	11500.	3505.	0.055	0.000	0.009	0.032	0.055	0.119
0.0	0.	0.	2.200	11750.	3581.	0.048	0.000	0.007	0.027	0.048	0.104
0.0	0.	0.	2.400	12000.	3658.	0.042	0.000	0.007	0.024	0.042	0.092
0.0	0.	0.	2.700	12375.	3772.	0.035	0.000	0.005	0.020	0.035	0.077
0.0	0.	0.	3.000	12750.	3886.	0.030	0.000	0.005	0.017	0.030	0.065
0.0	0.	0.	3.500	13375.	4077.	0.023	0.000	0.004	0.013	0.023	0.051
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.008	0.014	0.030
0.0	0.	0.	5.000	15330.	4673.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUTPUT TRACE
122	4100	472	795	-13	20 49 24 50 22 51 20 52 18 53 16 54 14 56 12 57 10 58 8 59 6 60 4 61 2		13
123	4100	472	795	-13	20 50 23 51 21 52 19 53 17 54 15 55 13 57 11 58 9 59 7 60 5 61 3 62 1		14
124	4100	472	795	-13	20 50 24 51 22 52 20 53 18 54 16 55 14 57 12 58 10 59 8 60 6 61 4 62 2		15
125	4100	472	795	-13	20 51 23 52 21 53 19 54 17 55 15 56 13 58 11 59 9 60 7 61 5 62 3 63 1		16
126	4100	472	795	-13	20 51 24 52 22 53 20 54 18 55 16 56 14 58 12 59 10 60 8 61 6 62 4 63 2		17
127	4100	472	795	-13	20 52 23 53 21 54 19 55 17 56 15 57 13 59 11 60 9 61 7 62 5 63 3 64 1		18
128	4100	472	795	-13	20 52 24 53 22 54 20 55 18 56 16 57 14 59 12 60 10 61 8 62 6 63 4 64 2		19
129	4100	472	795	-13	20 53 23 54 21 55 19 56 17 57 15 58 13 60 11 61 9 62 7 63 5 64 3 65 1		20
[illegible]	41	[illegible]	[illegible]	-13	[illegible]		[illegible]

0121

JOB.. FSSO LINE.. 071A-15 BEGIN VELOCITY FUNCTIONS AT CDP 158 12 CDPS TO NEXT VELOCITY

TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	6500.	6500.	0.100	6500.	1981.	0.739	0.025	0.230	0.474	0.629	0.932
0.000	7300.	7400.	0.200	6600.	2012.	0.644	0.013	0.180	0.424	0.579	0.852
1.100	7700.	9500.	0.300	6700.	2042.	0.562	0.009	0.137	0.374	0.529	0.802
1.600	10000.	15060.	0.400	6800.	2073.	0.491	0.006	0.108	0.324	0.479	0.752
2.000	11500.	17500.	0.500	6900.	2103.	0.430	0.005	0.088	0.277	0.429	0.702
4.000	14000.	16500.	0.600	7000.	2134.	0.379	0.004	0.073	0.238	0.379	0.652
5.000	14700.	17500.	0.700	7100.	2164.	0.335	0.003	0.062	0.207	0.335	0.602
6.0	0.	0.	0.800	7200.	2195.	0.298	0.003	0.053	0.182	0.298	0.552
0.0	0.	0.	0.900	7300.	2225.	0.266	0.003	0.046	0.161	0.266	0.502
6.6	0.	0.	1.000	7500.	2286.	0.233	0.002	0.040	0.140	0.233	0.452
0.0	0.	0.	1.100	7700.	2347.	0.205	0.002	0.034	0.122	0.205	0.402
0.0	0.	0.	1.200	8100.	2469.	0.171	0.002	0.028	0.101	0.171	0.352
0.0	0.	0.	1.400	9080.	2768.	0.122	0.001	0.020	0.071	0.122	0.256
0.0	0.	0.	1.600	10000.	3048.	0.089	0.001	0.014	0.052	0.089	0.190
0.0	0.	0.	1.800	10750.	3277.	0.069	0.001	0.011	0.040	0.069	0.149
0.0	0.	0.	2.000	11500.	3505.	0.055	0.000	0.009	0.032	0.055	0.119
0.0	0.	0.	2.200	11750.	3581.	0.048	0.000	0.007	0.027	0.048	0.104
0.0	0.	0.	2.400	12000.	3658.	0.042	0.000	0.007	0.024	0.042	0.092
0.0	0.	0.	2.700	12375.	3772.	0.035	0.000	0.005	0.020	0.035	0.077
0.0	0.	0.	3.000	12750.	3886.	0.030	0.000	0.005	0.017	0.030	0.065
0.0	0.	0.	3.500	13375.	4077.	0.023	0.000	0.004	0.013	0.023	0.051
0.0	0.	0.	4.000	14000.	4267.	0.019	0.000	0.003	0.011	0.019	0.041
0.0	0.	0.	5.000	14700.	4481.	0.014	0.000	0.002	0.008	0.014	0.030
0.0	0.	0.	5.900	15350.	4678.	0.011	0.000	0.002	0.006	0.011	0.023

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL	(INPUT FILES - TRACE NUMBERS)	OUTP TRACE
158	4100	472	795	-12	20 67 24 68 22 69 20 70 18 71 16 72 14 74 12 75 10 76 8 77 6 78 4 79 2	1	
159	4100	472	795	-12	20 68 23 69 21 70 19 71 17 72 15 73 13 75 11 76 9 77 7 78 5 79 3 80 1	2	
160	4100	468	795	-12	20 68 24 69 22 70 20 71 18 72 16 73 14 75 12 76 10 77 8 78 6 79 4 80 2	3	
161	4100	464	795	-12	20 69 23 70 21 71 19 72 17 73 15 74 13 76 11 77 9 78 7 79 5 80 3 81 1	4	
162	4100	464	795	-12	20 69 24 70 22 71 20 72 18 73 16 74 14 76 12 77 10 78 8 79 6 80 4 81 2	5	0122
163	4100	460	795	-12	20 70 23 71 21 72 19 73 17 74 15 75 13 77 11 78 9 79 7 80 5 81 3 82 1	6	
164	4100	460	795	-12	20 70 24 71 22 72 20 73 18 74 16 75 14 77 12 78 10 79 8 80 6 81 4 82 2	7	
165	4100	456	795	-12	20 71 23 72 21 73 19 74 17 75 15 76 13 78 11 79 9 80 7 81 5 82 3 83 1	8	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

JOB.. ESSO LINE.. 0Z1A-15 BEGIN VELOCITY FUNCTIONS AT CDP 170 0 CDPS TO NEXT VELOCITY

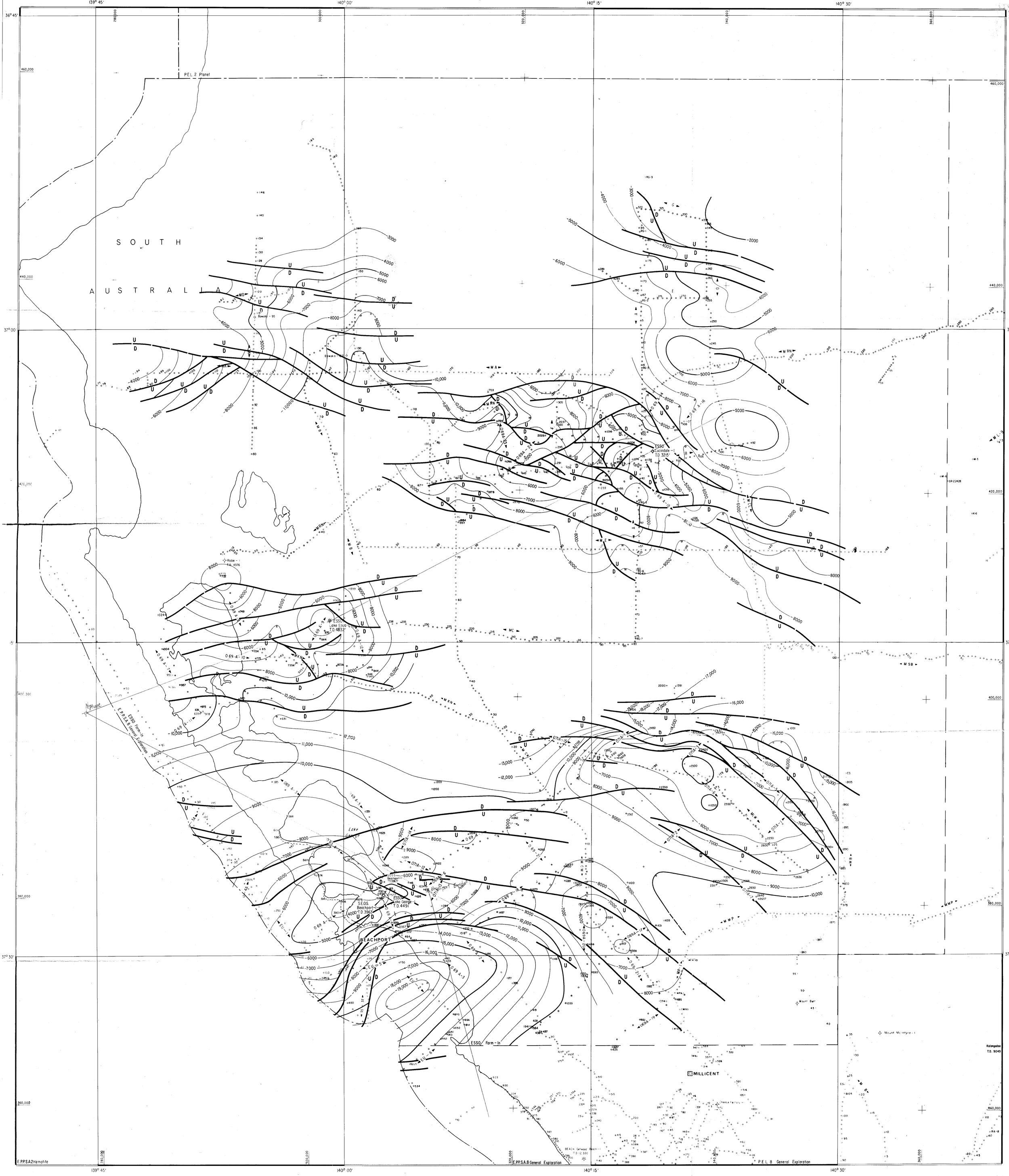
TWO-WAY TIME	AVG.VEL. -- FEET/SEC -- (INPUT)	INT.VEL.	TWO-WAY TIME	AVG.VEL. FT/SEC (APPLIED)	AVG.VEL. M/SEC	NMO (5412')	NMO WITH LIMITING FACTOR 492'	2132'	4100'	5412'	8036'
0.100	6800.	6800.	0.100	6800.	2073.	0.702	0.023	0.217	0.446	0.598	0.886
0.200	7200.	7333.	0.200	6933.	2113.	0.606	0.012	0.167	0.396	0.548	0.836
0.300	7400.	7600.	0.300	7067.	2154.	0.523	0.008	0.125	0.346	0.498	0.786
0.400	8200.	9800.	0.400	7200.	2195.	0.451	0.006	0.098	0.296	0.448	0.736
0.500	9800.	14600.	0.500	7250.	2210.	0.398	0.005	0.080	0.255	0.398	0.686
0.600	11000.	15800.	0.600	7300.	2225.	0.354	0.004	0.067	0.222	0.354	0.636
0.700	12500.	20000.	0.700	7350.	2240.	0.316	0.003	0.058	0.195	0.316	0.586
0.800	14500.	17500.	0.800	7400.	2256.	0.284	0.003	0.050	0.173	0.284	0.536
0.900	15200.	13000.	0.900	7600.	2316.	0.248	0.002	0.043	0.149	0.248	0.484
1.000	0.	0.	1.000	7800.	2377.	0.217	0.002	0.037	0.130	0.217	0.436
1.100	0.	0.	1.100	8000.	2438.	0.191	0.002	0.032	0.114	0.191	0.390
1.200	0.	0.	1.200	8200.	2499.	0.170	0.001	0.028	0.100	0.170	0.349
1.400	0.	0.	1.400	9000.	2743.	0.124	0.001	0.020	0.072	0.124	0.260
1.600	0.	0.	1.600	9800.	2987.	0.093	0.001	0.015	0.054	0.093	0.198
1.800	0.	0.	1.800	10400.	3170.	0.074	0.001	0.012	0.043	0.074	0.159
2.000	0.	0.	2.000	11000.	3353.	0.060	0.000	0.009	0.034	0.060	0.129
2.200	0.	0.	2.200	11750.	3581.	0.048	0.000	0.007	0.027	0.048	0.104
2.400	0.	0.	2.400	12500.	3810.	0.039	0.000	0.006	0.022	0.039	0.085
2.700	0.	0.	2.700	12875.	3924.	0.033	0.000	0.005	0.019	0.033	0.071
3.000	0.	0.	3.000	13250.	4039.	0.028	0.000	0.004	0.016	0.028	0.061
3.500	0.	0.	3.500	13875.	4229.	0.022	0.000	0.003	0.012	0.022	0.048
4.000	0.	0.	4.000	14500.	4420.	0.017	0.000	0.003	0.010	0.017	0.038
5.000	0.	0.	5.000	15200.	4633.	0.013	0.000	0.002	0.007	0.013	0.023
5.900	0.	0.	5.900	15830.	4825.	0.010	0.000	0.002	0.006	0.010	0.022

CDP NO.	(MAXIMUM) DIST	NMO	MUTE	STAT	INPUT REEL (INPUT FILES - TRACE NUMBERS)	OUTPUT TRACE ID
170	2708	296	575	-11	20 75 20 76 18 77 16 78 14 80 12 81 10 82 8 83 6	13
171	2460	256	520	-11	20 76 19 77 17 79 15 79 13 81 11 82 9 83 7	14
172	2132	216	465	-11	20 77 18 78 16 79 14 81 12 82 10 83 8	15
173	1804	176	410	-11	20 78 17 79 15 80 13 82 11 83 9	16
174	1476	140	355	-11	20 79 16 80 14 82 12 83 10	17
175	1148	98	300	-11	20 80 15 81 13 83 11	18
176	820	56	25	-10	20 81 14 83 12	19
177	492	24	25	-10	20 82 13	20

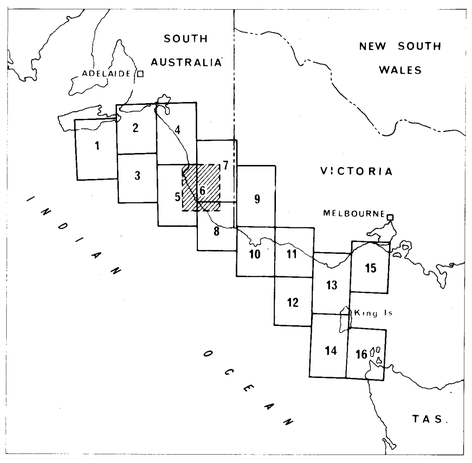
0125

AREA		NOISE				ARRAY USED					
		Velocity fps	Frequency cps	Wave Length ft.	Intensity	Noise Pod	Small ½ Feather	Large ½ Feather	Diamond	Star	Centre Loaded Inline
NOISE STUDY #1	V1	1640	17	97	strong	X	X		X	X	X
	V2	6970	24	290	weak						
	V3	11,450	29	395	weak						
NOISE STUDY #2	V1	1890	13	145	strong	X					
	V2	5800	22	258	weak						
	V3	7620	16	476	weak						
NOISE STUDY #3	V1	2570	16	161	strong	X					
	V3	7300	33	222	moderate						
NOISE STUDY #4	V1	1615	19	85	strong		X				X
	V2	4230	22	188	weak						
	V3	7650	17	460	strong						
NOISE STUDY #5	V1	1814	15	120	strong	X	X	X			X
	V2	4070	18	223	weak						
	V3	6960	19	362	strong						
	V4	7780	15	520	strong						
NOISE STUDY #6	V1	2320	22	103	strong	X	X				
	V3	7430	29	260	weak						
NOISE STUDY #7	V1	2120	17	127	strong	X	X				
	V2	6150	21	293	weak						
	V3	7330	25	294	strong						

TABLE 1



MAP INDEX



LEGEND

EU - 6	ESSO EU SURVEY
EP - 6	ESSO EP SURVEY
069 A - 6	ESSO 069 A SURVEY
M - SB	S.A. MINES DEPT. SB LINE
B	ALLIANCE B LINE
071A - 6	ESSO 071 A SURVEY
○	Drilling Location
☼	Dry and abandoned with a show of gas.
✧	Dry and abandoned well
◦	Seismic shot point
U / D	Fault - "D" - Downthrown side
— — —	Petroleum Tenement boundary

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

THE OTWAY BASIN

VICTORIA - SOUTH AUSTRALIA

STRUCTURE ON ECONOMIC BASEMENT

RECEIVED
22 SEP 1971
DEPT. OF MINES
SECURITY
1687

CONTOUR INTERVAL : 1000'

DATUM: SEA LEVEL

Scale 1:100,000

2 1 0 2 4

MILES

AUTHOR J.K. DAVIDSON / S.L. STEPHENS

TO ACCOMPANY FINAL SUBSIDY REPORT 071A LAND SEISMIC SURVEY

DRAFTED BY: U. EGGER

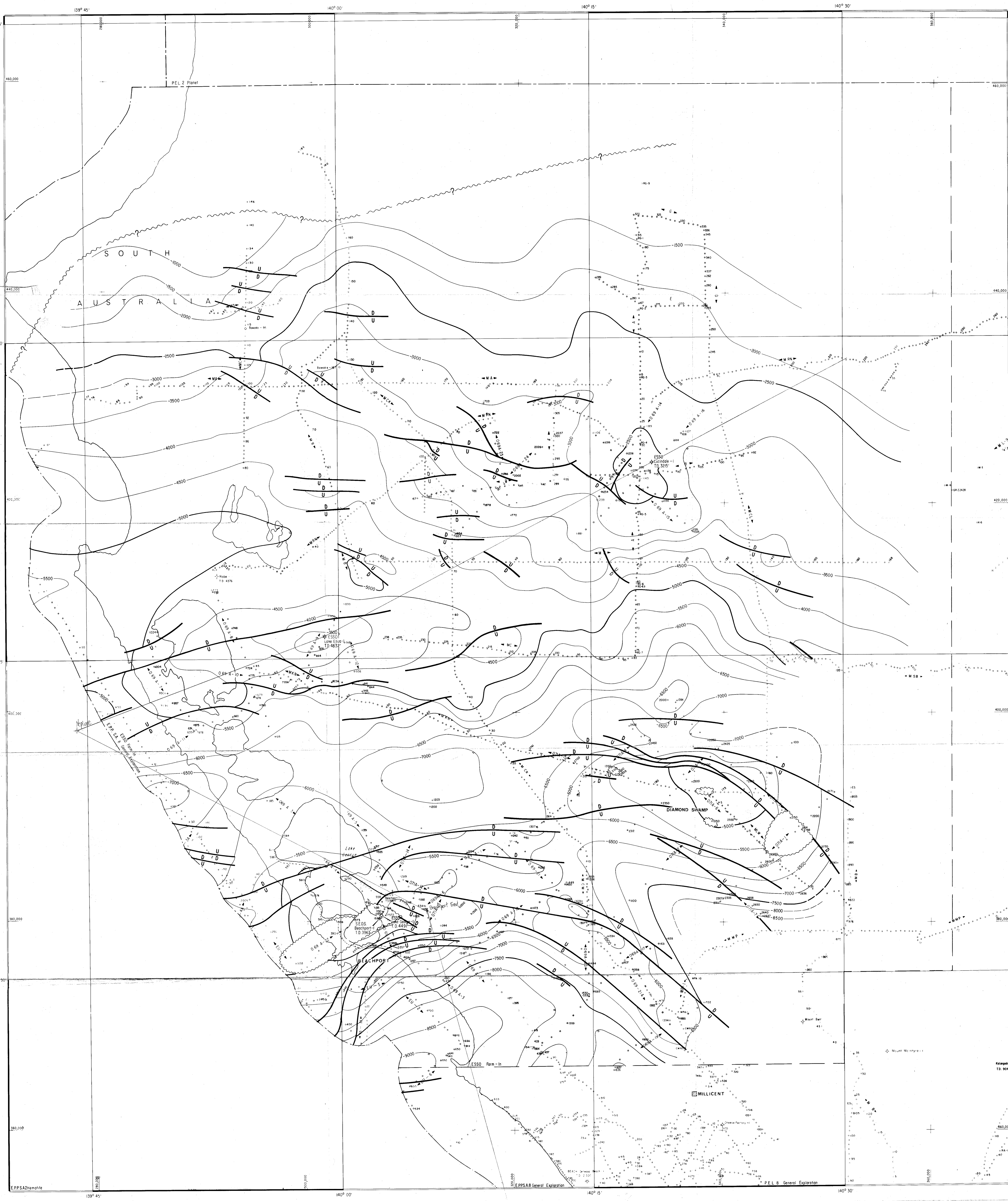
DATE: JUNE 1971

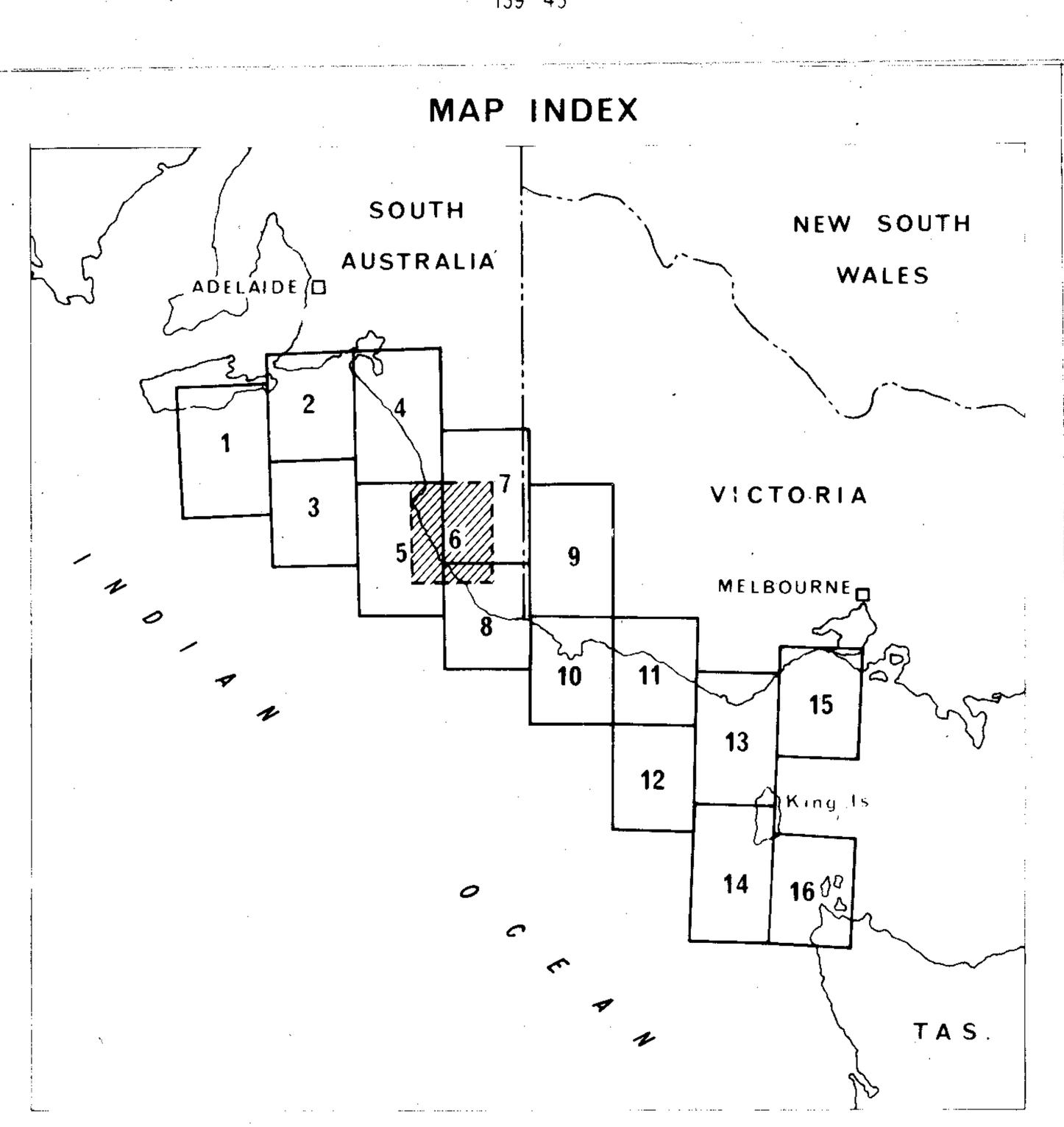
SHEET 6

PLATE I

Dwg. 1401/OP/24

ENV 1687-2





LEGEND

EU - 6	ESSO EU SURVEY
EP - 6	ESSO EP SURVEY
069 A - 6	ESSO 0 69 A SURVEY
M - SB	S.A. MINES DEPT. SB LINE
B	ALLIANCE B LINE
071A - 6	ESSO 071A SURVEY
o	Drilling Location
☼	Dry and abandoned with a show of gas
✧	Dry and abandoned well
∘	Seismic shot point
U / D	Fault - "D" - Downthrown side
— - —	Petroleum Tenement boundary
(outline)	Pretty Hill Absent

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

THE OTWAY BASIN

SOUTH AUSTRALIA

STRUCTURE TOP PRETTY HILL SANDSTONE

RECEIVED 22 SEP 1971 DEPT. OF MINES SECURITY 1687

CONTOUR INTERVAL: 500' DATUM: SEA LEVEL

Scale 1:100,000

2 1 0 2 4 MILES

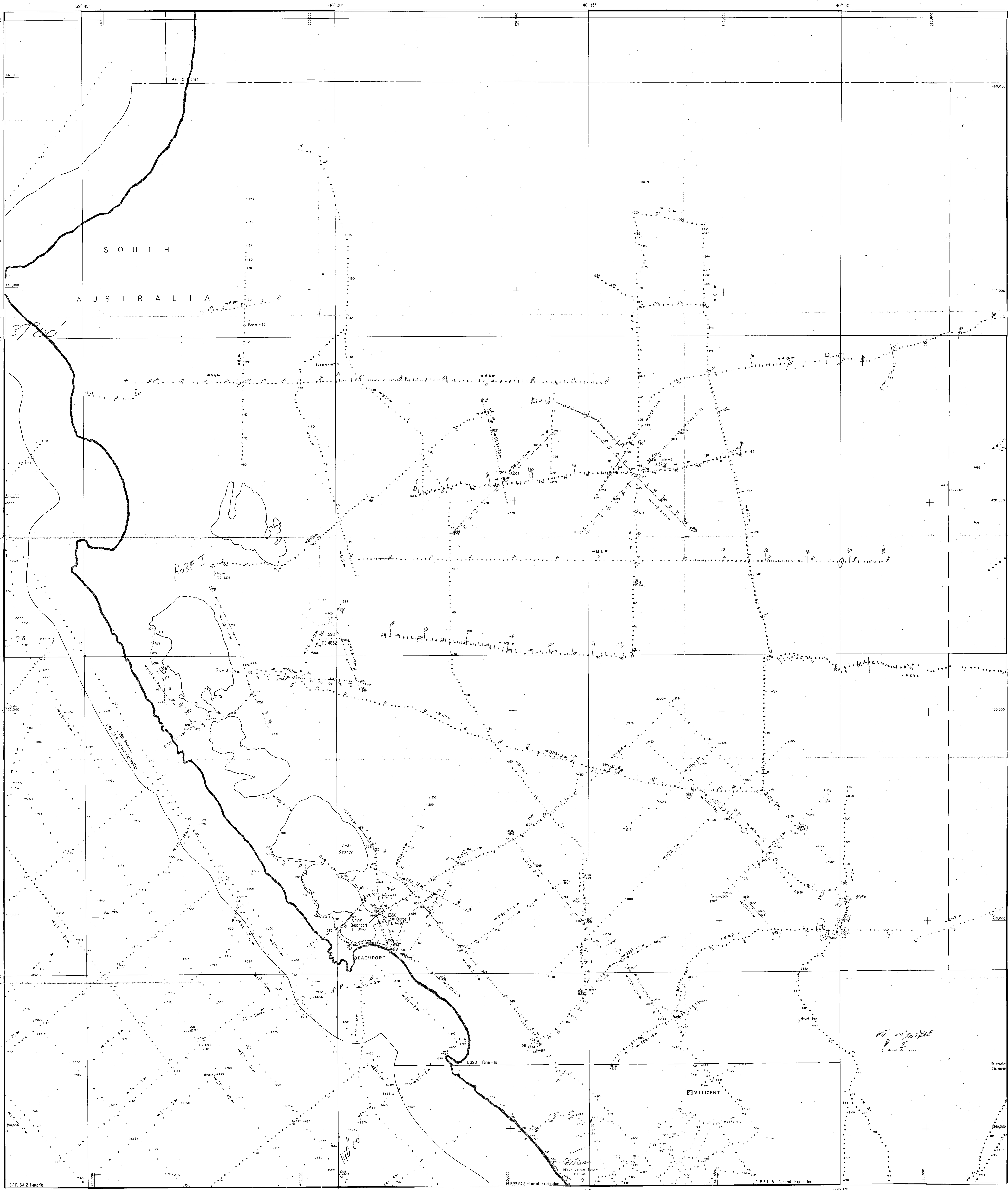
AUTHOR: J.K. DAVIDSON / S.L. STEPHENS
DRAFTED BY: U. EGGER

TO ACCOMPANY: FINAL SUBSIDY REPORT 071A LAND SEISMIC SURVEY
DATE: JUNE 1971

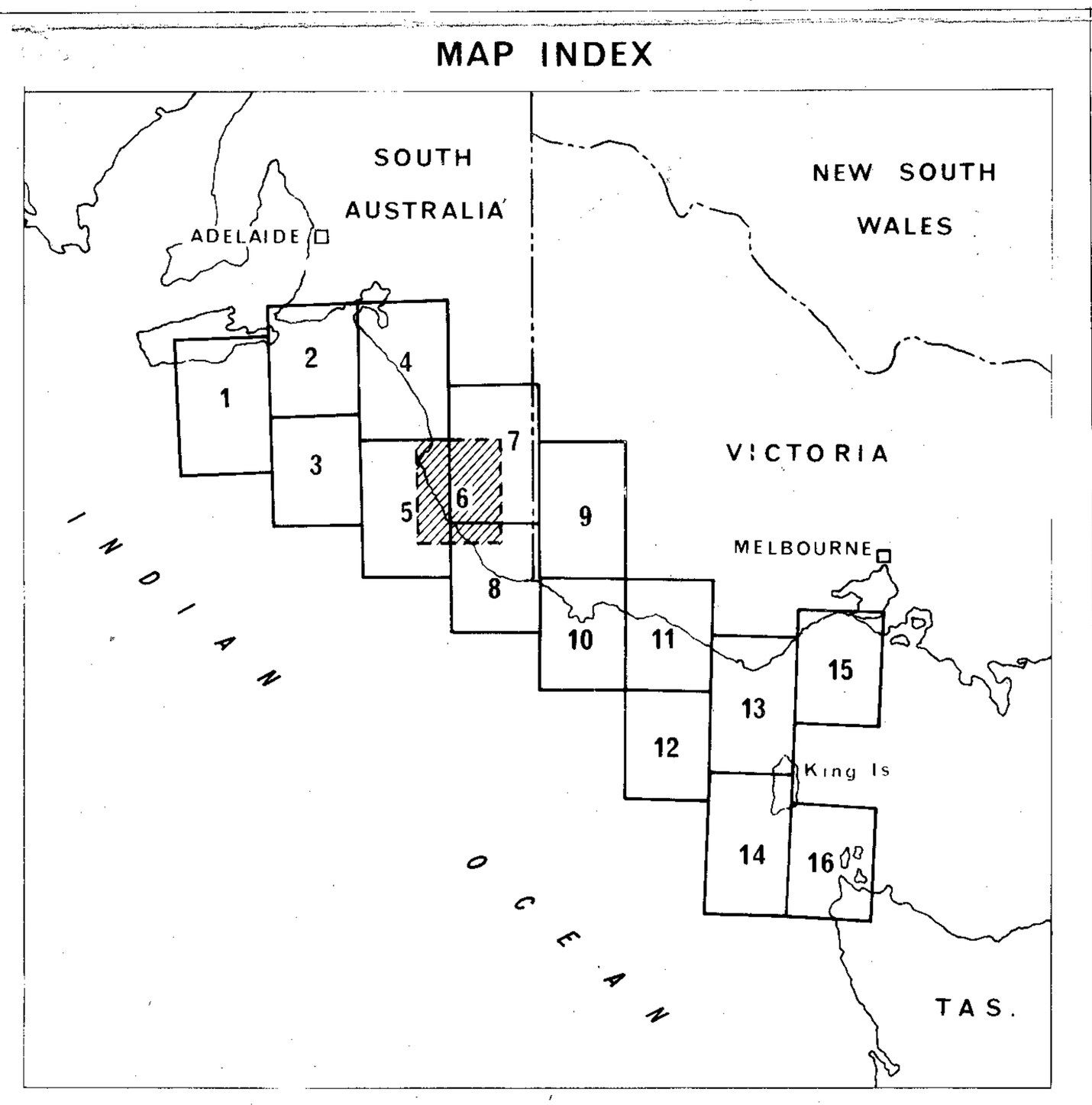
SHEET 6
PLATE II

Dwg. 1401 / OP / 23

ENV 1687



MAP INDEX



LEGEND

EU - 6	ESSO EU SURVEY
EP - 6	ESSO EP SURVEY
069 A - 6	ESSO 0 69 A SURVEY
M - SB	S.A. MINES DEPT. SB LINE
B	ALLIANCE B LINE
071 A - 6	ESSO 071 A SURVEY
o	Drilling Location
	Dry and abandoned with a show of gas.
	Dry and abandoned well
∘	Seismic shot point
— · —	Petroleum Tenement boundary

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

THE OTWAY BASIN

VICTORIA-SOUTH AUSTRALIA

SHOT POINT MAP

RECEIVED 22 SEP 1971 DEPT. OF MINES SECURITY 1687

CONTOUR INTERVAL: DATUM:

Scale 1:100,000

2 1 0 2 4 MILES

AUTHOR: DRAFTED BY:

TO ACCOMPANY: FINAL SUBSIDY REPORT 071A LAND SEISMIC SURVEY DATE:

SHEET 6 PLATE: III

Dwg 1401/OP/25

ENV 1687-4