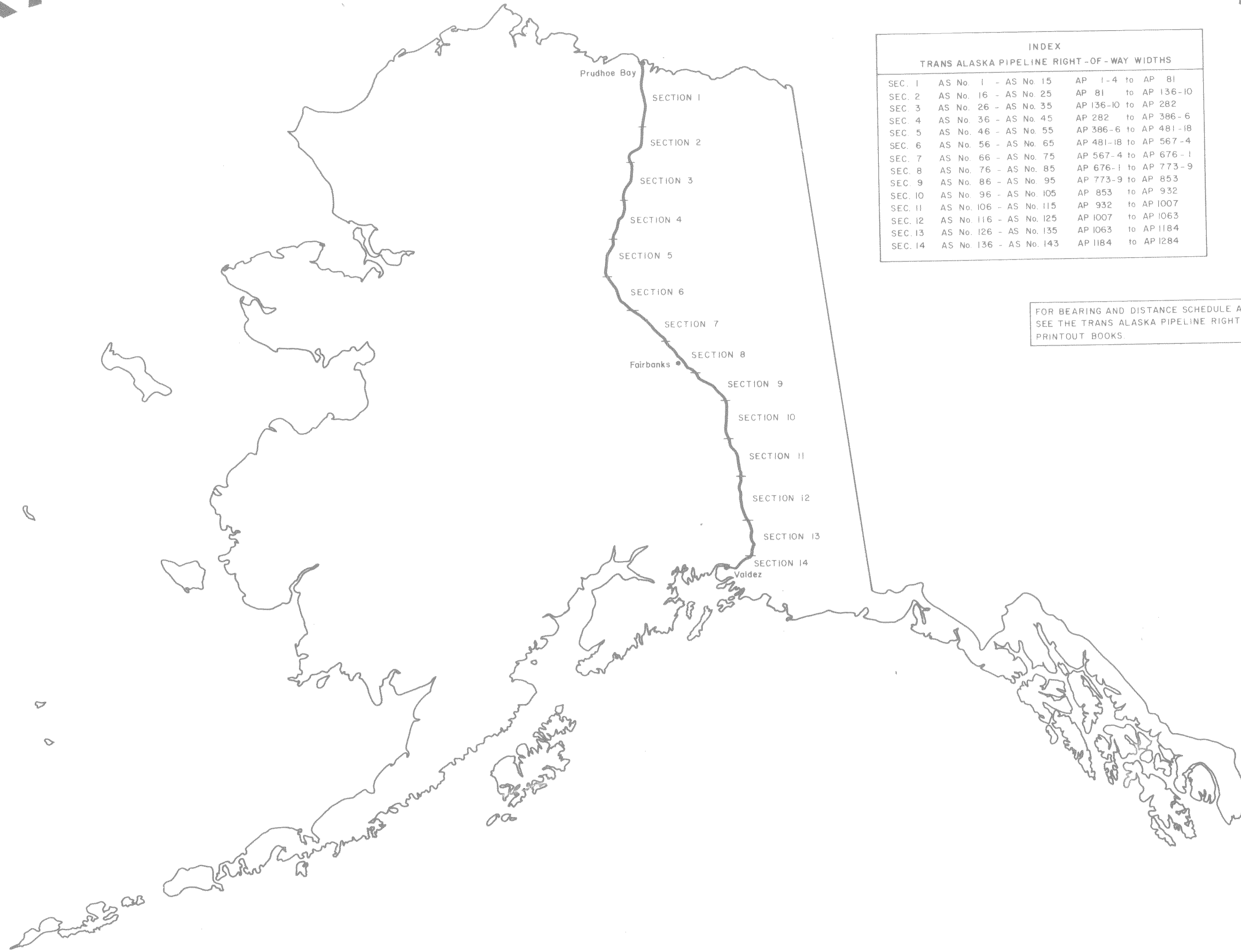


TRANS-ALASKA PIPELINE MONUMENTATION SURVEY



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TRANS ALASKA PIPELINE RIGHT-OF-WAY WIDTHS			
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SEC. 3	AS No. 26 - AS No. 35	AP 136-10 to AP 282	
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SEC. 5	AS No. 46 - AS No. 55	AP 386-6 to AP 481-18	
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SEC. 7	AS No. 66 - AS No. 75	AP 567-4 to AP 676-1	
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SEC. 9	AS No. 86 - AS No. 95	AP 773-9 to AP 853	
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SEC. 14	AS No. 136 - AS No. 143	AP 1184 to AP 1284	

FOR BEARING AND DISTANCE SCHEDULE AND REFERENCE POINT SCHEDULE SEE THE TRANS ALASKA PIPELINE RIGHT-OF-WAY WIDTHS COMPUTER PRINTOUT BOOKS.

81-1

RECORDED - FILED
 DATE 1-7-81
 TIME 2:13 P.M.
 AS/DNR

81-1

RECORDED - FILED
 DATE 1-7-81
 TIME 2:13 P.M.
 AS/DNR

81-1

RECORDED - FILED
 DATE 1-7-81
 TIME 1:31 P.M.
 AS/DNR

81-1

RECORDED - FILED
 DATE 1-12-81
 TIME 10:10 A.M.
 AS/DNR for Alyeska Pipeline Service Co.
 1532 Bragaw Anch. Ak. 99504

81-1

RECORDED - FILED
 DATE 1-12-81
 TIME 10:10 A.M.
 AS/DNR for Alyeska Pipeline Service Co.
 1532 Bragaw Anch. Ak. 99504

DUPLICATE ORIGINAL

prepared by
 OCEAN TECHNOLOGY LTD.

Alyeska pipeline

SERVICE COMPANY

- agent for:
- AMERADA HESS PIPELINE CORPORATION
 - ARCO PIPELINE COMPANY
 - BP PIPELINES INC.
 - EXXON PIPELINE COMPANY
 - MOBIL ALASKA PIPELINE COMPANY
 - PHILLIPS ALASKA PIPELINE COMPANY
 - SOHIO PIPELINE COMPANY
 - UNION ALASKA PIPELINE COMPANY

TRANS-ALASKA PIPELINE MONUMENTATION SURVEY

SUMMARY OF SURVEY

The survey specifications for the monumentation of the Trans-Alaska Pipeline were provided by Alyeska Pipeline Office, U.S. Department of the Interior, Bureau of Land Management Division of Cadastral Survey and the Alaska State Division of Land Cadastral Engineering Department. Working under the direct supervision of A.P.S.C., Ocean Technology, Ltd./ F. M. Lindsey & Associates were contracted to complete the field survey, monumentation, and platting necessary to conform to the specifications for the monumentation and platting of the Trans-Alaska Pipeline. The field survey for this project was accomplished over two field seasons-- April through September, 1977 and June through September, 1978, with the platting and office work being completed in December, 1978. Total length of project is approximately 800 miles. Total above-ground angle points--5,002; total below-ground angle points--911; plus numerous line intersections, river crossings, and line monuments (P.O.T.'s). The pipeline, as constructed, consists of above and below ground sections of 48" diameter pipe.

The pipeline centerline as constructed was traversed for its entirety, using theodolites and electronic distance-measuring equipment. The survey conforms to the criteria as established for third-order accuracy. Ties were made to geodetic control stations approximately every ten miles. The traverse was then adjusted and balanced; coordinates for the Alaska State Plane Coordinate System Zone 3 and 4 were then computed for the angle points. This information was converted to geographic positions, true mean bearings and true distances. The true mean bearings and true distances are listed on the individual sheets under Pipeline Schedule. The sheets are numbered beginning at Prudhoe Bay, Pump Station 1, Sheet No. 1, thence with the direction of flow, southerly to Valdez terminating at the Trans-Alaska Pipeline Terminal, with Sheet No. 143.

The actual centerline of the pipeline was not physically monumented. On the above-ground portions, the size of the pipeline and its supporting system and its proximity to natural ground made any type of centerline monumentation unfeasible. On the below-ground portions, for safety reasons, we wished to avoid driving monumentation rod over the top of or in the close proximity to the buried pipeline. The monumentation that would have been normally set, is obtainable by a system of reference monuments set off the centerline of the pipeline.

The angle points of the above-ground pipeline were referenced to the vertical support members (VSM's). Four reference points were used at each angle point and the distance to the R.P.'s were measured along the slope of the existing work pad. The angle point number was stamped, in letters 3/4 inch high, at approximate eye level on Reference Point No. 1. Distances were listed to each reference point. (See Typical "A")

The angle points for below ground portion were referenced using three aluminum monuments. These monuments consisted of 3-1/2" diameter aluminum caps, on top of a 5/8 inch aluminum rod driven approximately eight feet deep. True bearings and horizontal distances are listed for each reference monument. (See Typical "B")

Intersections of the surveyed pipeline centerline were made at all surveyed township, section and U.S. survey lines where monumentation was available. Reference monuments were set on both sides of these intersections. (See Detail "C")

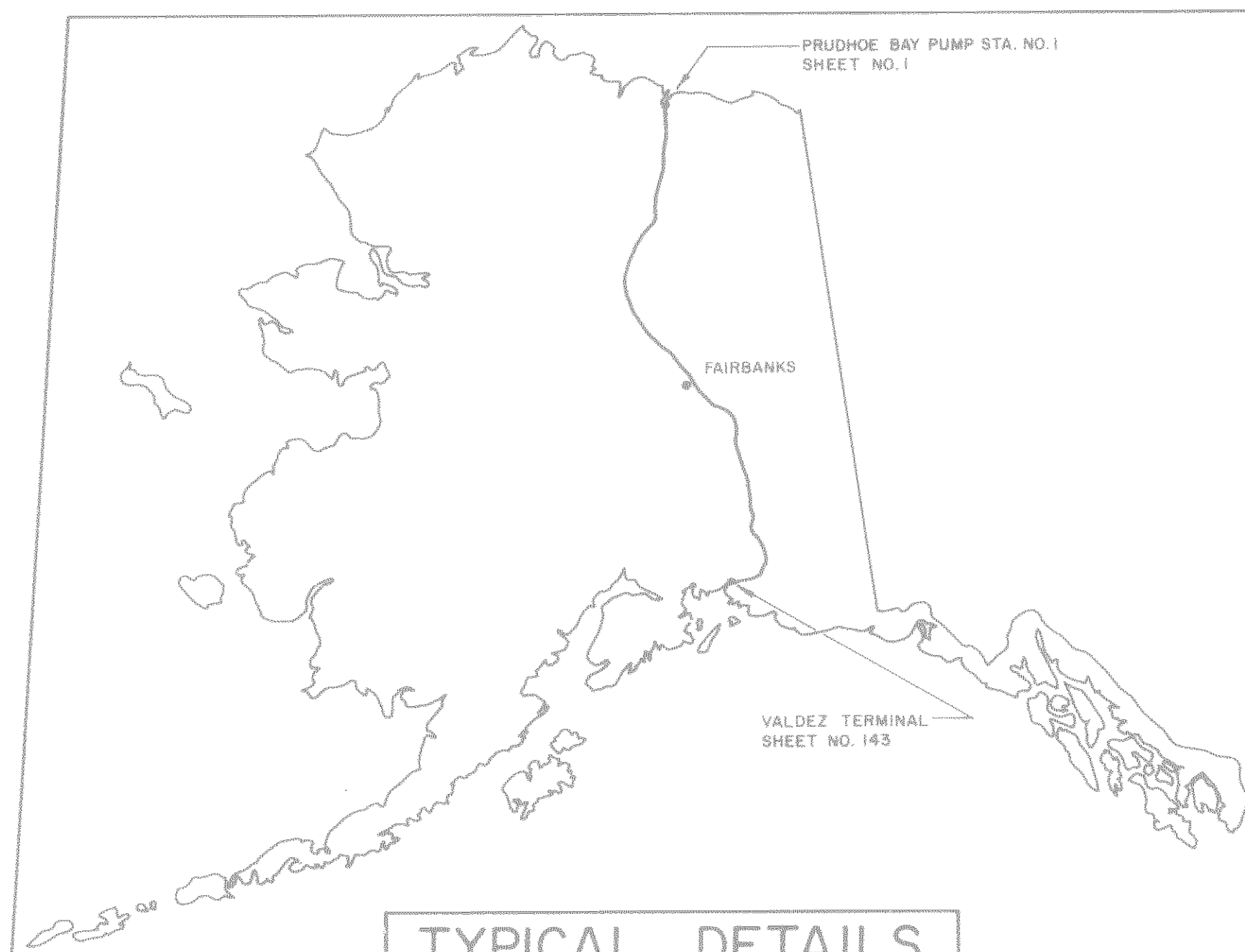
Reference points were set at pre-selected river crossings and distances measured from the reference point to the apparent high water mark on the banks. These reference points were then referenced in the conventional manner. (See Detail "D")

GENERAL NOTES

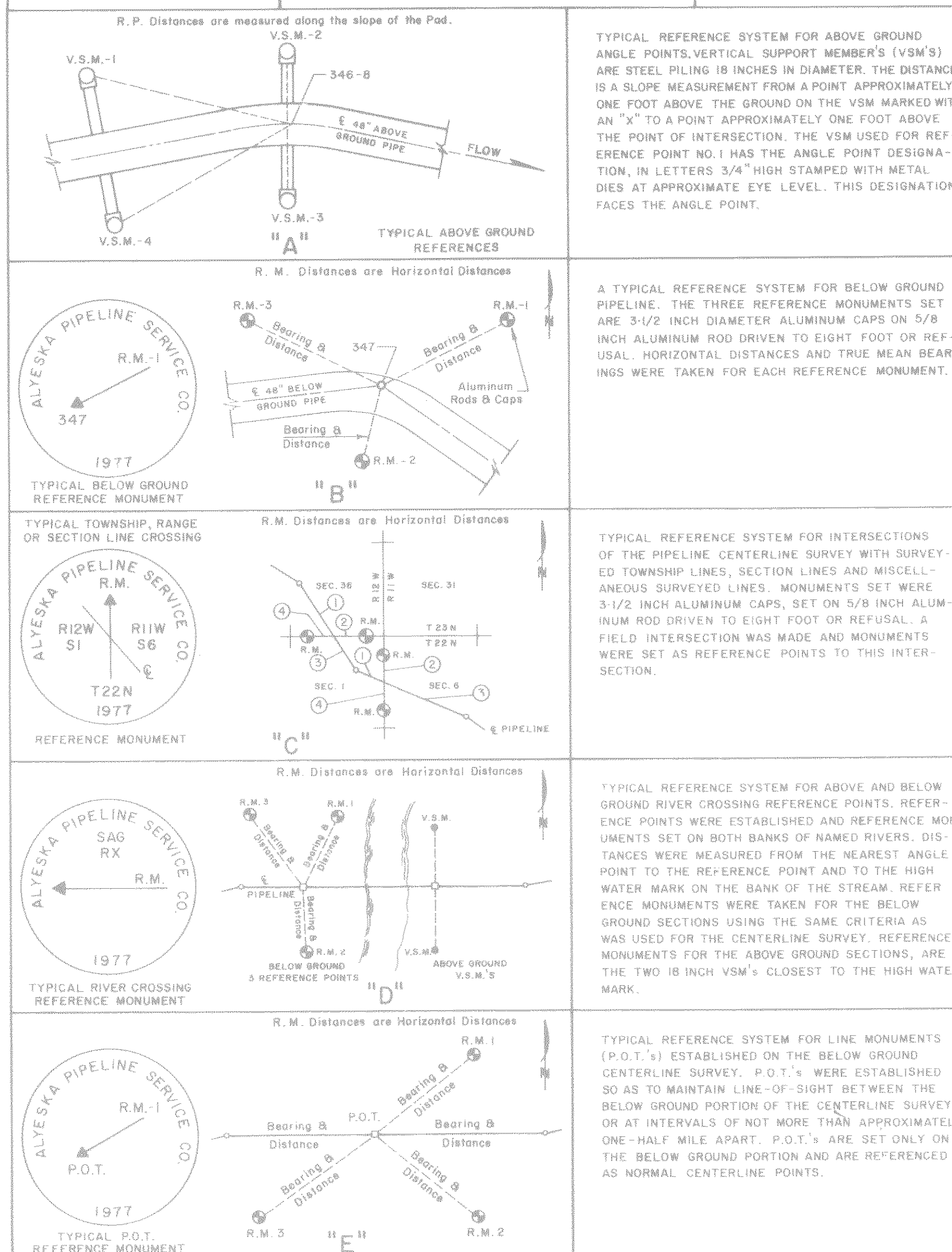
- All bearings shown are true mean. All distances are true sea level.
- Bearings and distances shown for all ties are true mean and use the pipeline centerline survey for their origin.
- Distances and bearings as shown in schedule are from angle point to angle point.

LEGEND

- B.L.M., G.L.O. or A.D.L. monument recovered this survey.
- U.S.C. & G.S., U.S.D.I. or U.S.C.E. monument recovered this survey.
- 3" Aluminum cap monument set this survey.
- Angle points not monumented.



TYPICAL DETAILS



ENGINEER'S STATEMENT

R. D. Boorman states that he is by occupation the Engineering Manager employed by Alyeska Pipeline Service Company, Agent for the Permittees under the Agreement and Grant of Right-of-way dated January 23, 1974, to make a survey of the Trans-Alaska Oil Pipeline System as described and shown on these maps; that the survey of said Trans-Alaska Oil Pipeline System was made under his supervision and authority, commencing on the 1st day of February, 1977, and ending on the 15th day of December, 1978; and that such survey is accurately represented upon these maps.

R. D. Boorman
Engineering Manager

APPLICANT'S CERTIFICATE

This is to certify that R. D. Boorman, who subscribed the statement hereon, is the person employed by the undersigned applicant to prepare these maps, which have been adopted by the applicant as the final location of the Trans-Alaska Oil Pipeline System thereby shown, and that these maps are filed as part of the complete application, and in order that the applicant may obtain the benefits of 43 USC 1651 et seq; and I further certify that the right-of-way herein described is desired for the operation and maintenance of the Trans-Alaska Oil Pipeline System.

Amerada Hess Pipeline Corporation
ARCO Pipe Line Company
BP Pipelines Inc.
Exxon Pipeline Company
Mobil Alaska Pipeline Company
Phillips Alaska Pipeline Corporation
Sohio Pipe Line Company
Union Alaska Pipeline Company

By: ALYESKA PIPELINE SERVICE COMPANY
Agent for the Applicants
O. G. Simpson
O. G. Simpson
Vice-President

ATTEST: *H. G. Brelsford*
H. G. Brelsford
Assistant Secretary

SURVEYORS CERTIFICATE

I hereby certify that I am registered to practice land surveying in Alaska and that this plat represents a survey made by me or under my direct supervision, and the monuments shown thereon actually exist as located, and that all dimensional and other details are correct.

Date: Dec 5, 1978

Richard C. Jones



81-1
RECORDED - FILED
DATE: 1-11-79
TIME: 2:15 P.M.
By: A. D. B. K.

81-1
RECORDED - FILED
DATE: 1-11-79
TIME: 2:15 P.M.
By: A. D. B. K.

81-1
RECORDED - FILED
DATE: 1-11-79
TIME: 2:15 P.M.
By: A. D. B. K.

81-1
RECORDED - FILED
DATE: 1-11-79
TIME: 2:15 P.M.
By: A. D. B. K.

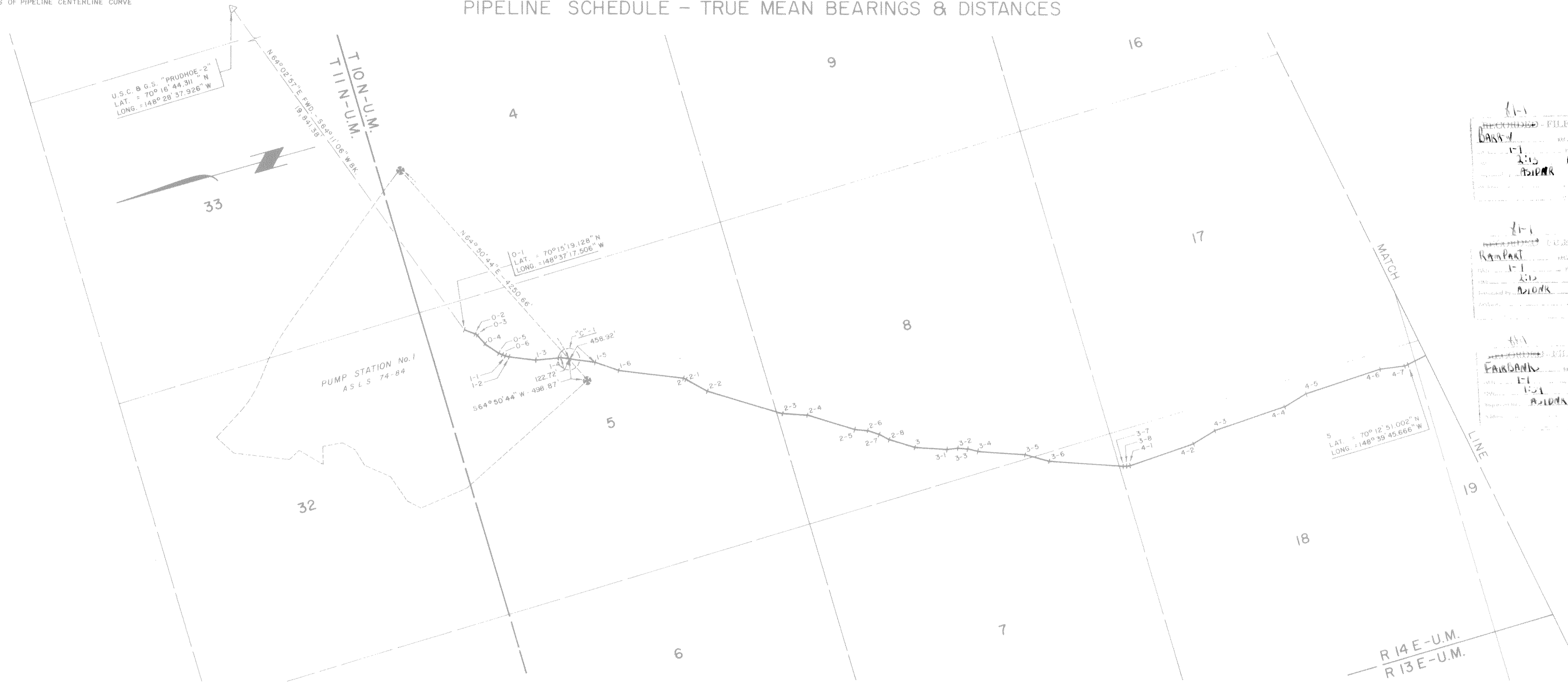
81-1
FILED 10-15
DATE: 1-12-79
TIME: 10:20 A.M.
By: A. D. B. K.

81-1
FILED 10-15
DATE: 1-12-79
TIME: 10:10 A.M.
By: A. D. B. K.

POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE					
	RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		
0-1	S 38°50'51" W	-	180.11'	1-3	S 10°58'33" W	-	420.52'	2-4	S 35°00'50" W	-	839.22'	3-3	S 32°51'39" W	-	179.99'	4-3	S 02°18'17" E	-	1244.13'						
0-2	S 51°04'08" W	-	53.04'	1-4	S 23°26'41" W	-	581.64'	2-5	S 20°17'06" W	-	180.77'	3-4	S 20°33'32" W	-	807.10'	4-4	S 14°37'59" E	-	420.50'						
0-3	S 63°44'08" W	-	180.46'	1-5	S 35°54'15" W	-	420.28'	2-6	S 32°58'16" W	-	239.71'	3-5	S 32°50'36" W	-	420.24'	4-5	S 02°17'26" E	-	1313.53'						
0-4	S 51°24'42" W	-	292.84'	1-6	S 23°26'41" W	-	1077.23'	2-7	S 45°24'33" W	-	180.13'	3-6	S 20°28'22" W	-	1249.13'	4-6	S 10°12'27" W	-	420.27'						
0-5	S 46°13'07" W	-	59.78'	2	S 32°30'20" W	-	60.37'	2-8	S 32°57'26" W	-	468.82'	3-7	S 14°10'22" W	-	59.95'	4-7	S 02°07'22" E	-	60.03'						
0-6	S 37°21'32" W	-	60.07'	2-1	S 45°30'26" W	-	420.30'	3	S 20°28'40" W	-	532.40'	3-8	S 04°12'07" W	-	59.94'	5	S 10°11'33" E	-	956.56'						
1-1	S 28°32'54" W	-	60.47'	2-2	S 32°57'32" W	-	1319.31'	3-1	S 07°57'10" W	-	180.42'	4-1	S 02°18'53" E	-	1126.44'	5-1									
1-2	S 23°19'51" W	-	458.17'	2-3	S 20°30'49" W	-	419.99'	3-2	S 20°21'36" W	-	163.37'	4-2	S 14°47'20" E	-	420.49'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



FILED
RECORDED
1-1
1-1
2:15
ASDNR

FILED
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1-1
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ASDNR

FILED
RECORDED
1-1
1-1
2:15
ASDNR

FILED
RECORDED
1-1
1-1
2:15
ASDNR

Date of Survey	Beginning	Ending	Name of Surveyor	Richard C. Davis	Lic. No.	1657-S
Feb, 1977	Oct, 1980		Ocean Technology Ltd dba F.M. Lindsey & Assoc.			
Drawn by	C.F.G.	Approved	R.C.D.	Scale	1" = 1000'	
Description						
A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.O.N., R.14 E., U.M., ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management				Approval Recommended Name: <i>[Signature]</i> 11/12/82 Title: Chief Cadastral Surveyor		
Approved Name: <i>[Signature]</i> Title: Authorized Officer				Approved Name: <i>[Signature]</i> Title: Authorized Officer		
File No.				File No. 102-1		

AL-00-GIOI SHEET 1 OF 143

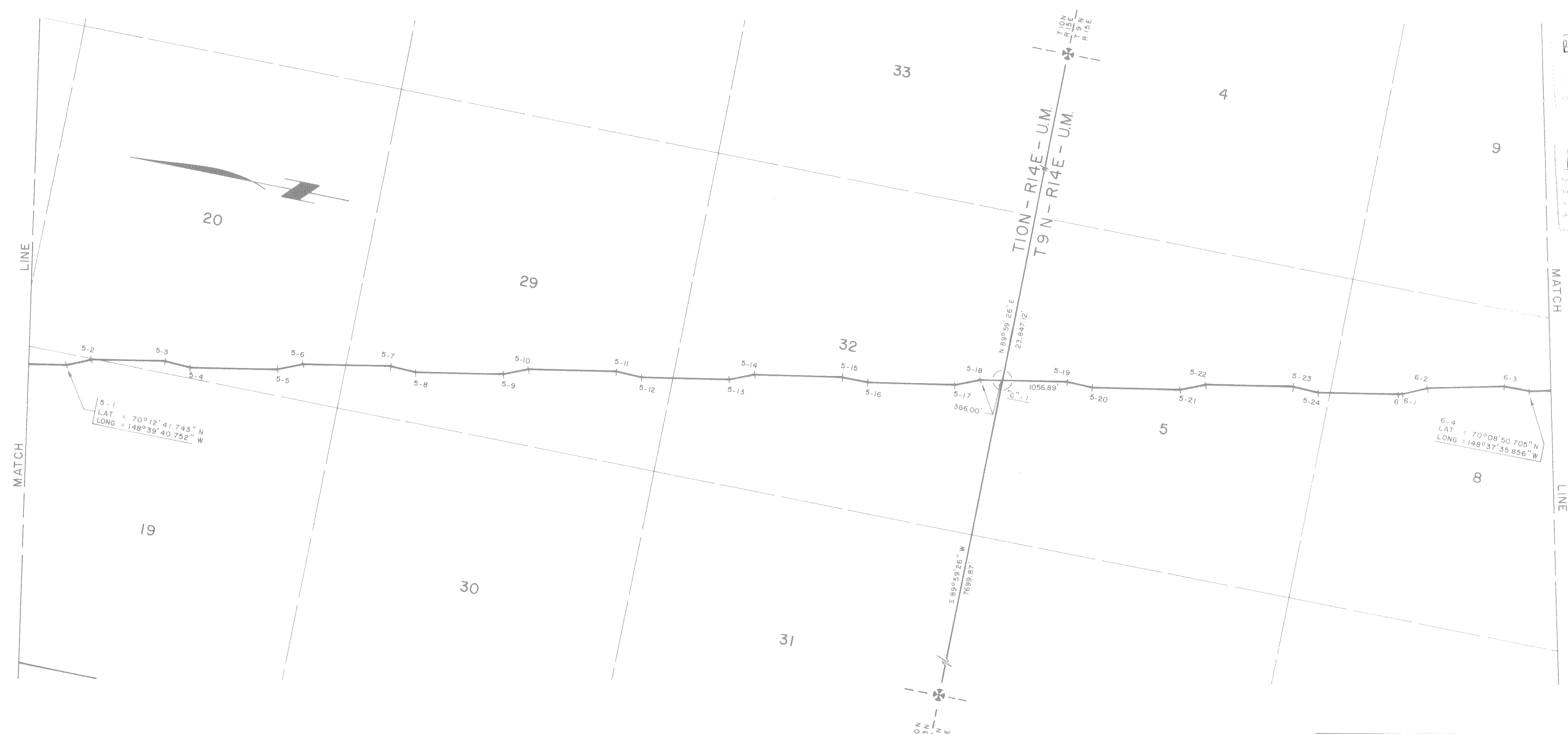
ER-

ALYESKA PIPELINE SERVICE CO, AGENT					
TRANS ALASKA PIPELINE SYSTEM					
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE					
Approval Recommended <i>[Signature]</i>					
Approval <i>[Signature]</i>					

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			
	RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD	
5	S10°11'33"E	-	956.56'	5-8	S10°10'14"E	-	1433.73'	5-16	S10°09'41"E	-	1422.90'	5-24	S10°11'10"E	-	1314.66'													
5-1	S22°39'23"E	-	419.76'	5-9	S22°40'10"E	-	420.56'	5-17	S22°38'49"E	-	420.46'	6	S12°00'36"E	-	60.43'													
5-2	S10°10'59"E	-	1194.36'	5-10	S10°09'57"E	-	1433.39'	5-18	S10°09'12"E	-	1422.89'	6-1	S25°15'10"E	-	420.50'													
5-3	S02°18'10"W	-	420.21'	5-11	S02°19'53"W	-	420.30'	5-19	S02°17'45"W	-	420.47'	6-2	S12°43'49"E	-	1256.46'													
5-4	S10°10'44"E	-	1433.51'	5-12	S10°10'07"E	-	1433.49'	5-20	S10°08'58"E	-	1433.50'	6-3	S00°17'06"E	-	420.14'													
5-5	S22°39'33"E	-	420.40'	5-13	S22°36'56"E	-	420.24'	5-21	S22°45'28"E	-	420.25'	6-4	S12°44'48"E	-	1377.31'													
5-6	S10°10'21"E	-	1433.46'	5-14	S10°09'29"E	-	1433.64'	5-22	S10°06'39"E	-	1433.72'	6-5																
5-7	S02°19'46"W	-	420.29'	5-15	S02°18'42"W	-	420.34'	5-23	S02°19'01"W	-	420.47'																	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Basse
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 2-1
 P
 A.1044

81-1
 E.1066
 1-1
 2-1
 P
 A.1044

81-1
 RECORDED FILED
 Rampart
 1-1
 10-81
 P
 A.1044

81-1
 RECORDED FILED
 Fairbanks
 1-1
 10-81
 P
 A.1044

81-1
 Chitina
 1-12
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 A
 A.1044
 Alaska Pipeline Service Co.
 1325 S. Deringer
 Anchorage, Alaska 99504

81-1
 RECORDED FILED
 Valdez
 1-12
 10-81
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 A.1044
 Alaska Pipeline Service Co.
 1325 S. Deringer
 Anchorage, Alaska 99504

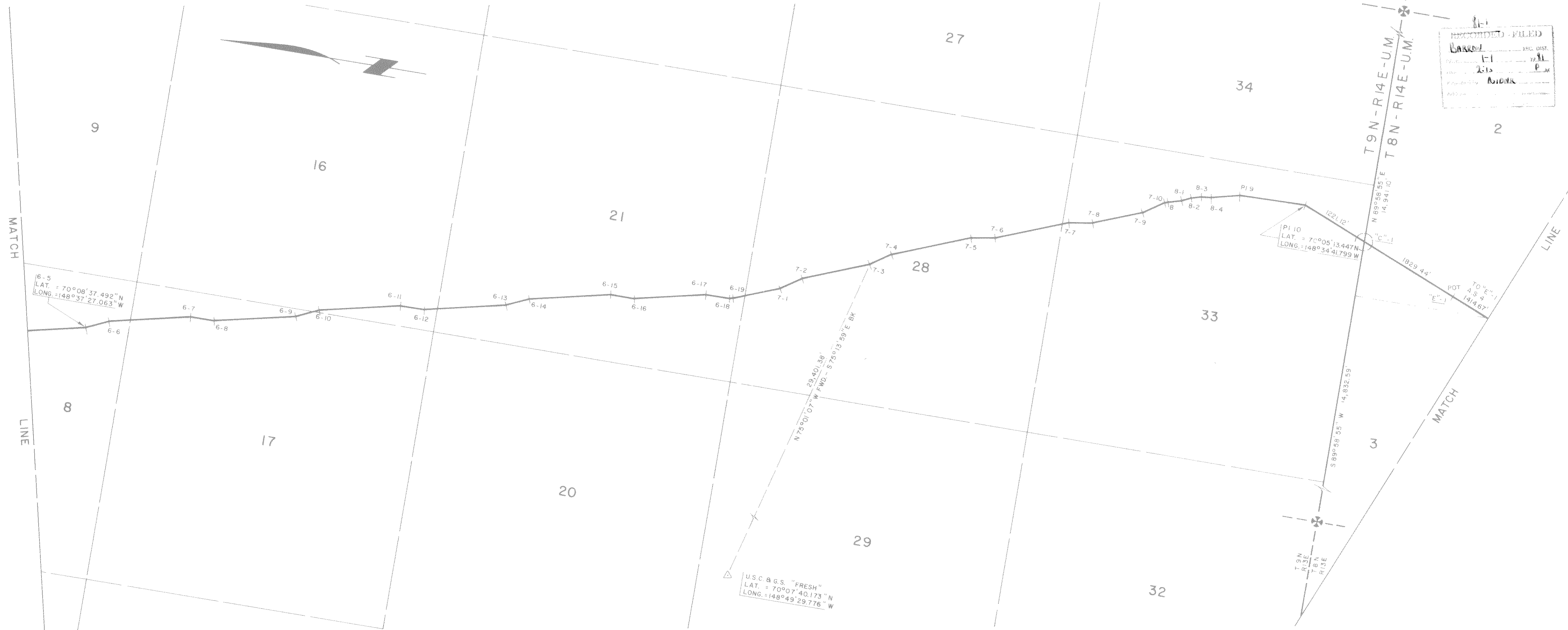
AL-00-G101 SHEET 2 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT TRANS ALASKA PIPELINE SYSTEM PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE		Date of Survey: Beginning Feb. 1977 Ending Oct., 1980 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 1637 S	
Drawn by: R.H.M. Approved: R.C.D. Scale: 1" = 1000'		Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.ION., R.14E., & T.9N., R.14E., U.M., ALASKA	
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management		Approval Recommended Name: <i>[Signature]</i> 11/12/80 Title: Chief Cadastral Surveyor	
Approved Name: <i>[Signature]</i> Title: Authorized Officer		Approved Name: <i>[Signature]</i> Title: Authorized Officer	
File No.		File No. 102-1	

POINT NO.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT NO.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT NO.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT NO.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT NO.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT NO.	BEARING & DISTANCE RADIUS TANGENT CHORD
6-4	S 12°44'48" E - 1377.31'	6-12	S 12°43'12" E - 1436.71'	7-1	S 33°58'42" E - 420.15'	7-9	S 33°57'20" E - 419.89'	PI 10	1294.65' 273.14' 534.51'		
6-5	S 25°13'16" E - 420.35'	6-13	S 25°15'52" E - 420.24'	7-2	S 21°27'03" E - 1208.81'	7-10	S 21°29'39" E - 59.96'				
6-6	S 12°44'18" E - 1436.44'	6-14	S 12°44'10" E - 1436.88'	7-3	S 33°56'07" E - 420.05'	8	S 14°54'56" E - 240.05'				
6-7	S 00°13'49" E - 420.43'	6-15	S 00°14'28" E - 420.10'	7-4	S 21°27'00" E - 1435.62'	8-1	S 27°28'43" E - 179.88'				
6-8	S 12°44'31" E - 1436.85'	6-16	S 12°43'08" E - 1256.47'	7-5	S 08°55'29" E - 420.21'	8-2	S 14°54'30" E - 179.80'				
6-9	S 25°13'36" E - 420.67'	6-17	S 00°13'01" E - 420.19'	7-6	S 21°27'21" E - 1316.56'	8-3	S 02°32'12" E - 180.08'				
6-10	S 12°41'54" E - 1435.90'	6-18	S 12°43'11" E - 60.01'	7-7	S 08°36'35" E - 421.28'	8-4	S 14°55'19" E - 498.70'				
6-11	S 00°20'08" E - 420.54'	6-19	S 21°28'47" E - 847.75'	7-8	S 21°36'27" E - 896.21'	PI 9	1147.30' 134.01' 268.21'				
							S 01°38'50" E - 1165.74'				

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 81-1
 1-12-81
 10:26 AM
 ASIANA for
 Alaska Pipeline Service
 1325 - 2nd Ave
 Anchorage, Alaska 99501

RECORDED - FILED
 81-1
 1-12-81
 10:26 AM
 ASIANA for
 Alaska Pipeline Service
 1325 - 2nd Ave
 Anchorage, Alaska 99501

RECORDED - FILED
 81-1
 1-12-81
 10:26 AM
 ASIANA for
 Alaska Pipeline Service
 1325 - 2nd Ave
 Anchorage, Alaska 99501

RECORDED - FILED
 81-1
 1-12-81
 10:10 AM
 ASIANA for
 Alaska Pipeline Service
 1325 - 2nd Ave
 Anchorage, Alaska 99501

Date of Survey	Feb., 1977	Ending	Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. 984 P.M. LINDSEY & ASSOC.
Drawn by	C.J.R.	Approved	R.C.D.	Scale	1" = 1000'
Description A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 9 N., R. 14 E., & T. 8 N., R. 14 E., U.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management			Approval Recommended Name: <i>[Signature]</i> 11/14/81 Title: Chief Cadastral Surveyor		
Approved Name: <i>[Signature]</i> Title: Authorized Officer			Approved Name: <i>[Signature]</i> Title: Authorized Officer		
File No.			File No. 102-1		

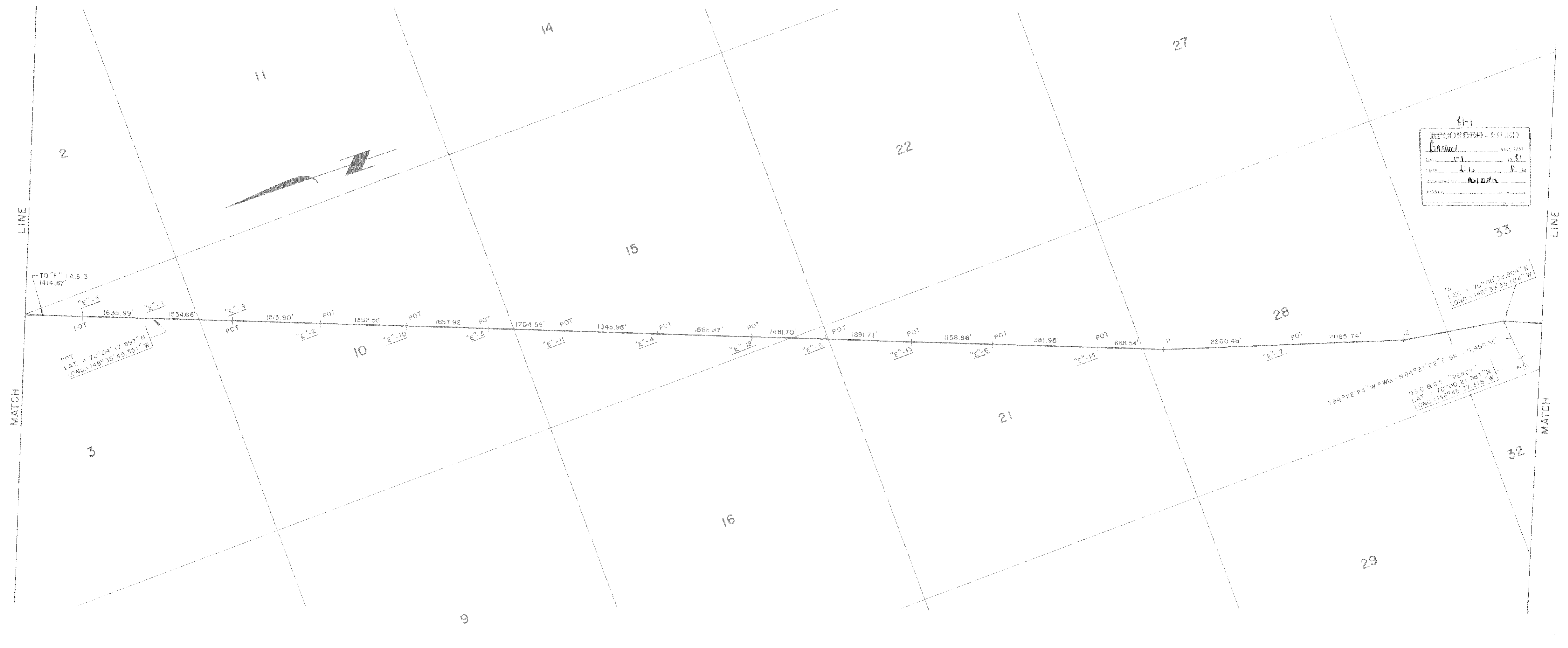
AL-00-GIOI SHEET 3 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>[Signature]</i>		
Approval	<i>[Signature]</i>		

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
10	S 22° 11' 42" W - 24,404.41'																
11	S 18° 09' 00" W - 4346.22'																
12	S 09° 38' 45" W - 1834.28'																
13	S 23° 34' 25" W - 1619.83'																
14																	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-1-81
TIME: 2:15 P.M.
Requested by: A.J. Davis

81-1
RECORDED - FILED
DATE: 1-1-81
TIME: 2:15 P.M.
Requested by: A.J. Davis

81-1
RECORDED - FILED
DATE: 1-1-81
TIME: 2:15 P.M.
Requested by: A.J. Davis

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A.M.
Requested by: A.J. Davis for Alaska Pipeline Service Co. 1825 J. GARDNER Bldg. Anchorage 99501

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 A.M.
Requested by: A.J. Davis for Alaska Pipeline Service Co. 1825 J. GARDNER Bldg. Anchorage 99501

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC
Drawn by	C.F.G.	Approved	R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.8N., R.14E., U.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended		Approval Recommended		
Name: [Signature]		Name: [Signature] 11/12/80		
Title: Chief, Division of Cadastral Survey, Bureau of Land Management		Title: Chief Cadastral Surveyor		
Approved		Approved		
Name: [Signature]		Name: [Signature]		
Title: Authorized Officer		Title: Authorized Officer		
File No.		File No. 102-1		

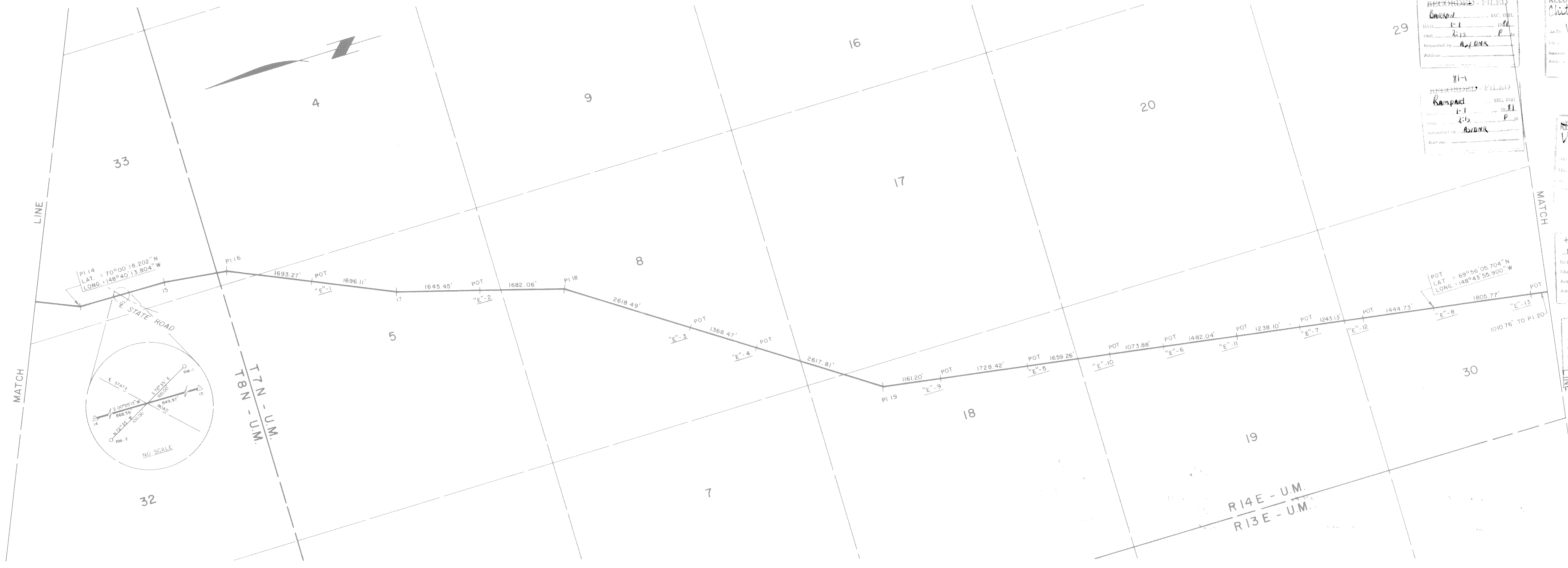
AL-00-G101 SHEET 4 OF 143 ER-

ALYESKA PIPELINE SERVICE CO, AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				
Approval Recommended	[Signature]			
Approval	[Signature]			

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE				
	RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		
13																																	
PI 14	S 23°34'25" W	1619.83'																															
	534.67'	109.51'	214.57'																														
	S 00°25'13" W	1718.56'																															
15																																	
PI 16	S 06°21'31" W	1256.04'																															
	519.22'	79.16'	156.51'																														
	S 23°41'25" W	3389.38'																															
17																																	
PI 18	S 15°42'00" W	3327.51'																															
	798.45'	126.76'	250.39'																														
	S 33°43'31" W	6604.77'																															
PI 19	483.72'	107.49'	209.86'																														
	S 08°38'44" W	13847.29'																															
20																																	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1

RECORDED - FILED
 Date: 1-12-81
 Prepared by: A.J. Davis
 Address: Alyeska Pipeline Service Co., 1800 S. BANGOR AVE., ANCHORAGE, ALASKA 99504

81-1
 RECORDED - FILED
 Date: 1-12-81
 Prepared by: A.J. Davis
 Address: Alyeska Pipeline Service Co., 1800 S. BANGOR AVE., ANCHORAGE, ALASKA 99504

81-1
 RECORDED - FILED
 Date: 1-12-81
 Prepared by: A.J. Davis
 Address: Alyeska Pipeline Service Co., 1800 S. BANGOR AVE., ANCHORAGE, ALASKA 99504

81-1
 RECORDED - FILED
 Date: 1-12-81
 Prepared by: A.J. Davis
 Address: Alyeska Pipeline Service Co., 1800 S. BANGOR AVE., ANCHORAGE, ALASKA 99504

81-1
 RECORDED - FILED
 Date: 1-12-81
 Prepared by: A.J. Davis
 Address: Alyeska Pipeline Service Co., 1800 S. BANGOR AVE., ANCHORAGE, ALASKA 99504

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. PMA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS	Lic. No.	1637-S
Drawn by	C.J.R.	Approved	R.C.D.	Scale	1" = 1000'	
Description	A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 8 N., R. 14 E., & T. 7 N., R. 14 E., U.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended	Name	Title	Approval Recommended	Name	Title	
		Chief, Division of Cadastral Survey Bureau of Land Management		Y. Schmitt	Chief Cadastral Surveyor	11/2/80
Approved	Name	Title	Approved	Name	Title	
		Authorized Officer		Y. Schmitt	Authorized Officer	
File No.					File No.	102-1

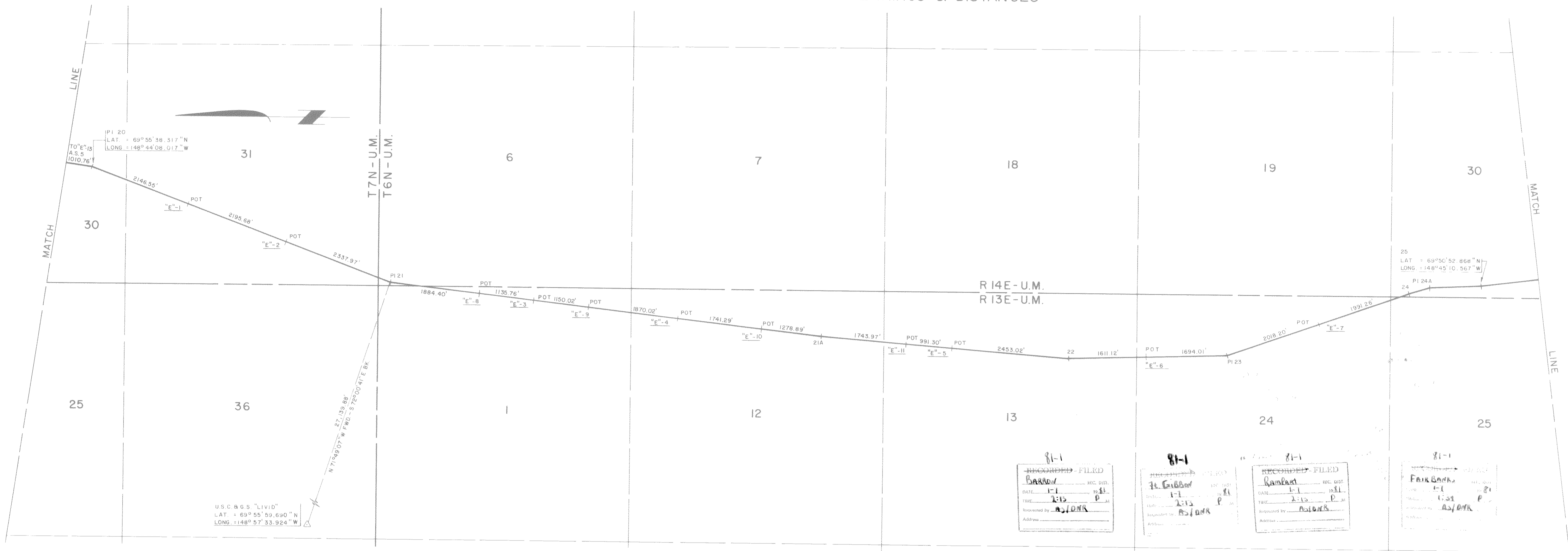
AL-00-GIOI SHEET 5 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT		
TRANS ALASKA PIPELINE SYSTEM		
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE		
Approval Recommended	Name	
	J. C. Barke	
Approval	Name	
	J. C. Barke	

POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE			
	RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD
19				25	S07°01'29"E	2079.91'																	
PI 20	S08°38'44"W	13,847.29'																					
	S08°38'44"W	13,847.29'																					
PI 21	S20°37'59"W	6680.20'																					
	S20°37'59"W	6680.20'																					
21A	S06°28'06"W	9060.38'																					
	S06°28'06"W	9060.38'																					
22	S04°37'02"W	5188.29'																					
	S04°37'02"W	5188.29'																					
PI 23	S01°46'16"E	3305.13'																					
	S01°46'16"E	3305.13'																					
	S19°15'30"E	4009.46'																					
24	S17°35'38"E	448.35'																					
	S17°35'38"E	448.35'																					
PI 24A	S02°38'06"E	1081.89'																					
	S02°38'06"E	1081.89'																					

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



U.S.C.A.G.S. "LIVID"
 LAT. + 69° 55' 59.690" N
 LONG. -148° 57' 33.924" W

81-1
 RECORDED - FILED
 DATE: 1-11-81
 TIME: 2:15 P.M.
 BY: AS/OKR

81-1
 RECORDED - FILED
 DATE: 1-11-81
 TIME: 2:15 P.M.
 BY: AS/OKR

81-1
 RECORDED - FILED
 DATE: 1-11-81
 TIME: 2:15 P.M.
 BY: AS/OKR

81-1
 RECORDED - FILED
 DATE: 1-11-81
 TIME: 2:15 P.M.
 BY: AS/OKR

81-1
 RECORDED - FILED
 DATE: 1-12-81
 TIME: 10:20 A.M.
 BY: AS/OKR

81-1
 RECORDED - FILED
 DATE: 1-12-81
 TIME: 10:10 A.M.
 BY: AS/OKR

AL-00-GIOI SHEET 6 OF 143

ER-

ALYESKA PIPELINE SERVICE CO., AGENT TRANS ALASKA PIPELINE SYSTEM PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management
	Approved Name: <i>[Signature]</i> Title: Authorized Officer
Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended Name: <i>[Signature]</i> Title: Chief Cadastral Surveyor
Approved Name: <i>[Signature]</i> Title: Authorized Officer	Approved Name: <i>[Signature]</i> Title: Authorized Officer
File No: <i>[Blank]</i>	File No: 102-1

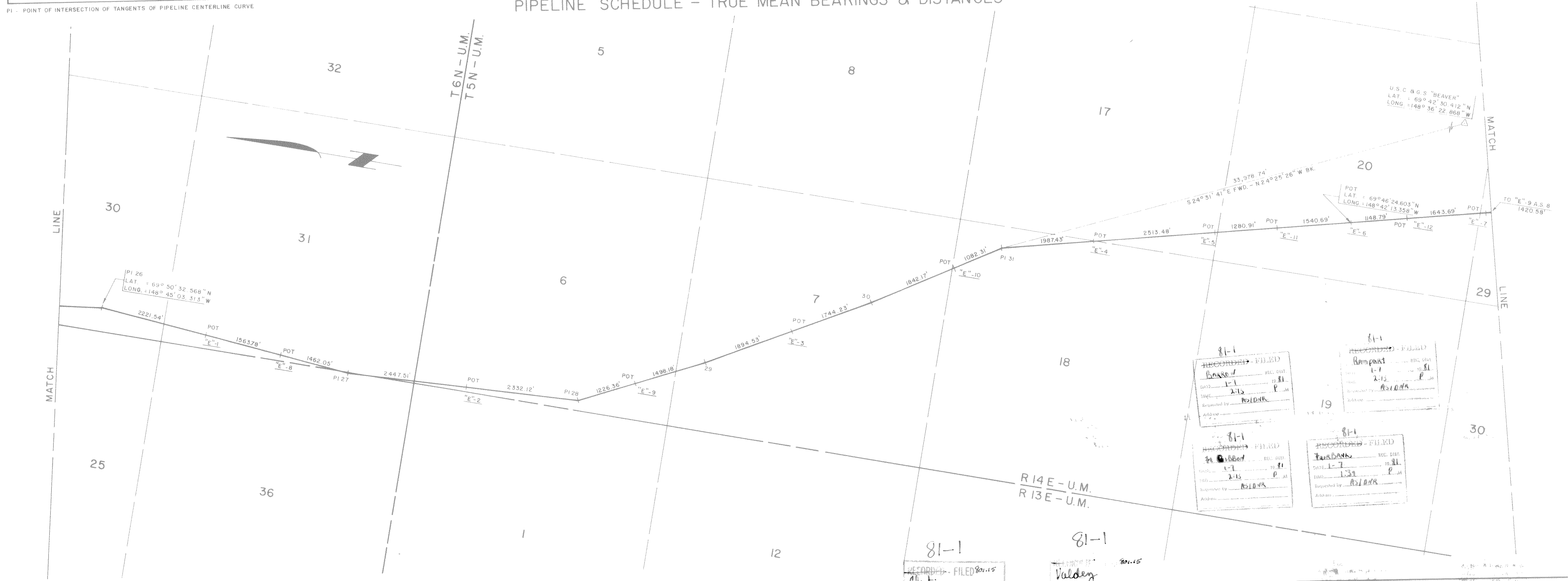
Date of Survey: Beginning Feb, 1977 Ending Oct, 1980
 Name of Surveyor: OCEAN TECHNOLOGY LTD. BSA FM LINDSEY & ASSOC.
 RICHARD C. DAVIS
 Lic. No. 1637-5

Drawn by: A.D.A. Approved: R.C.D. Scale: 1" = 1000'
 Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.7N., R.14E., & T.6N., R.14 & 13E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR
 STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
25	S 07° 01' 29" E - 2079.51'																		
PI 26	1084.65' 120.74' 240.00'																		
PI 27	S 05° 40' 42" W - 5247.37'																		
PI 28	1530.18' 113.45' 226.28'																		
PI 29	S 02° 48' 12" E - 4779.63'																		
PI 30	812.43' 167.07' 327.28'																		
PI 31	S 26° 02' 20" E - 2724.54'																		
PI 32	S 29° 12' 30" E - 3638.76'																		
PI 33	S 32° 07' 17" E - 2924.48'																		
PI 34	726.52' 117.87' 232.70'																		
PI 35	S 13° 40' 24" E - 13191.30'																		

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

AL-00-GIOI SHEET 7 OF 143

ER-

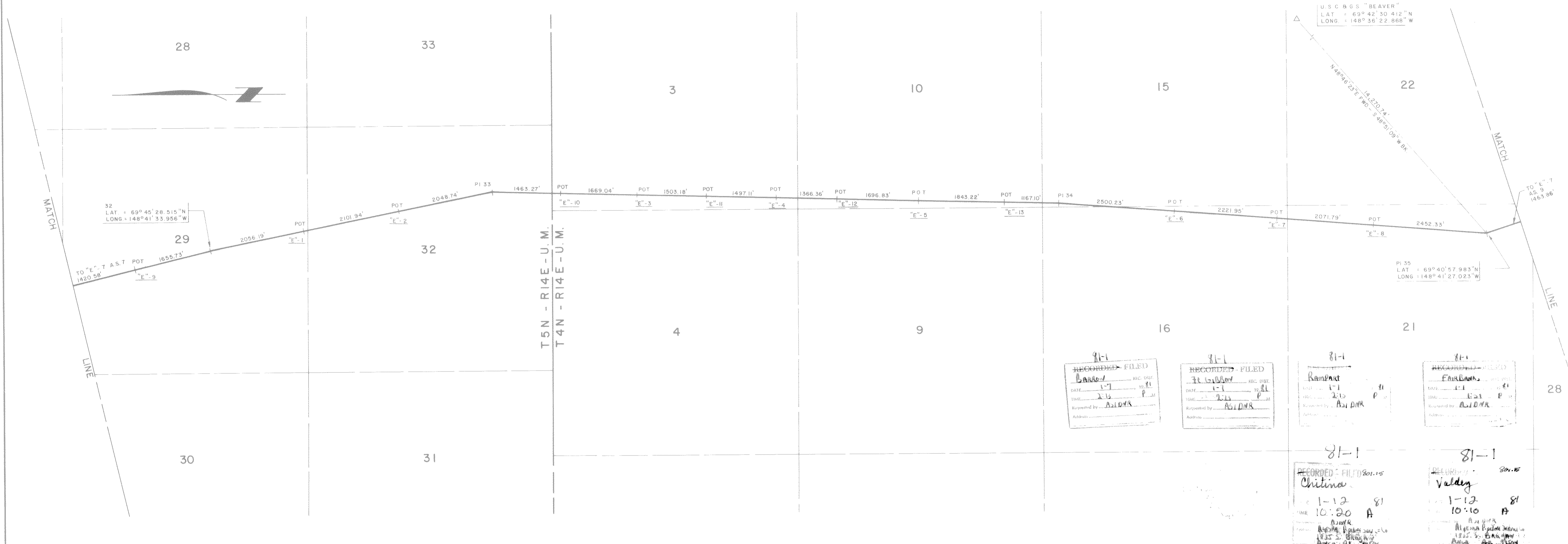
ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>M. J. Smith</i>		
Approval	<i>G. C. Harde</i>		

Date of Survey		Name of Surveyor	
Beginning Feb, 1977	Ending Oct, 1980	RICHARD C. DAVIS	
Drawn by A.D.A.		Approved R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.6N., R.14&13E., & T.5N., R.14E., U.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended		Approval Recommended	
Name _____		Name <i>Richard C. Davis</i>	
Title Chief, Division of Cadastral Survey Bureau of Land Management		Title Chief Cadastral Surveyor	
Approved		Approved	
Name _____		Name <i>Richard C. Davis</i>	
Title Authorized Officer		Title Authorized Officer	
File No _____		File No 102-1	

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE		
	RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD
31	513°40'24"E	-13,191.30'																					
32	511°27'42"E	-6,206.87'																					
PI 33	794.9'	89.30'	177.47'																				
PI 34	501°22'38"W	-12,206.11'																					
PI 35	26,352.5'	688.79'	1377.10'																				
PI 36	304°21'05"W	-9,246.30'																					
	955.45'	186.33'	365.77'																				
	517°42'35"E	-11,380.99'																					

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



Date of Survey	Feb., 1977	Ending	Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
Drawn by	R.H.M.	Approved	R.C.D.	Scale	1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.5 N., R.14 E., & T.4 N., R.14 E., U.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended			Approval Recommended		
Name: <i>[Signature]</i>			Name: <i>[Signature]</i> 11/24/80		
Title: Chief, Division of Cadastral Survey Bureau of Land Management			Title: Chief Cadastral Surveyor		
Approved			Approved		
Name: <i>[Signature]</i>			Name: <i>[Signature]</i>		
Title: Authorized Officer			Title: Authorized Officer		
File No.			File No. 102-1		

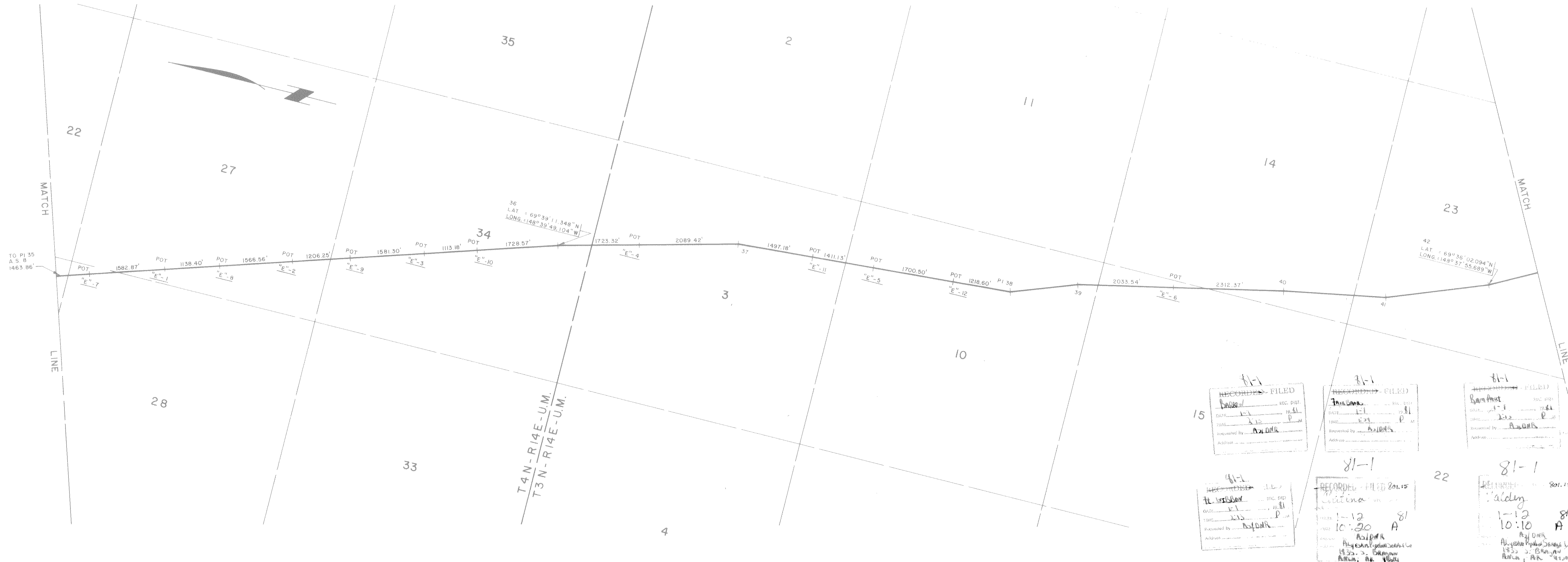
AL-00-G101 SHEET 8 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>[Signature]</i>		
Approval	<i>[Signature]</i>		
File No.	<i>[Signature]</i>		

POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE
	RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT
35	S 17° 42' 35" E	11,380.99'	45														
36	S 14° 38' 56" E	3812.74'															
37	S 04° 17' 36" E	5827.41'															
PI 38	493.23'	70.41'	139.40'														
39	S 20° 32' 17" E	1438.86'															
40	S 12° 26' 03" E	4345.91'															
41	S 10° 33' 02" E	2151.35'															
42	S 21° 02' 47" E	2180.75'															
	S 28° 11' 43" E	2560.37'															

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED stamps and handwritten notes:

- Stamp 1: RECORDED - FILED, DATE: 1-12-81, TIME: 10:10 AM, Requested by: [Signature]
- Stamp 2: RECORDED - FILED, DATE: 1-12-81, TIME: 10:10 AM, Requested by: [Signature]
- Stamp 3: RECORDED - FILED, DATE: 1-12-81, TIME: 10:10 AM, Requested by: [Signature]
- Stamp 4: RECORDED - FILED, DATE: 1-12-81, TIME: 10:10 AM, Requested by: [Signature]
- Stamp 5: RECORDED - FILED, DATE: 1-12-81, TIME: 10:10 AM, Requested by: [Signature]

Date of Survey: Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Beginning: Feb. 1977 Ending: Oct. 1980 RICHARD C. DAVIS Lic. No. 1637-S
 Drawn by: C.J.R. Approved: R.C.D. Scale: 1" = 1000'

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 4 N., R. 14 E., & T. 3 N., R. 14 E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

Approval Recommended Name: Title: Chief, Division of Cadastral Survey Bureau of Land Management

Approval Recommended Name: Title: Chief Cadastral Surveyor

Approval Recommended Name: Title: Authorized Officer

File No. 102-1

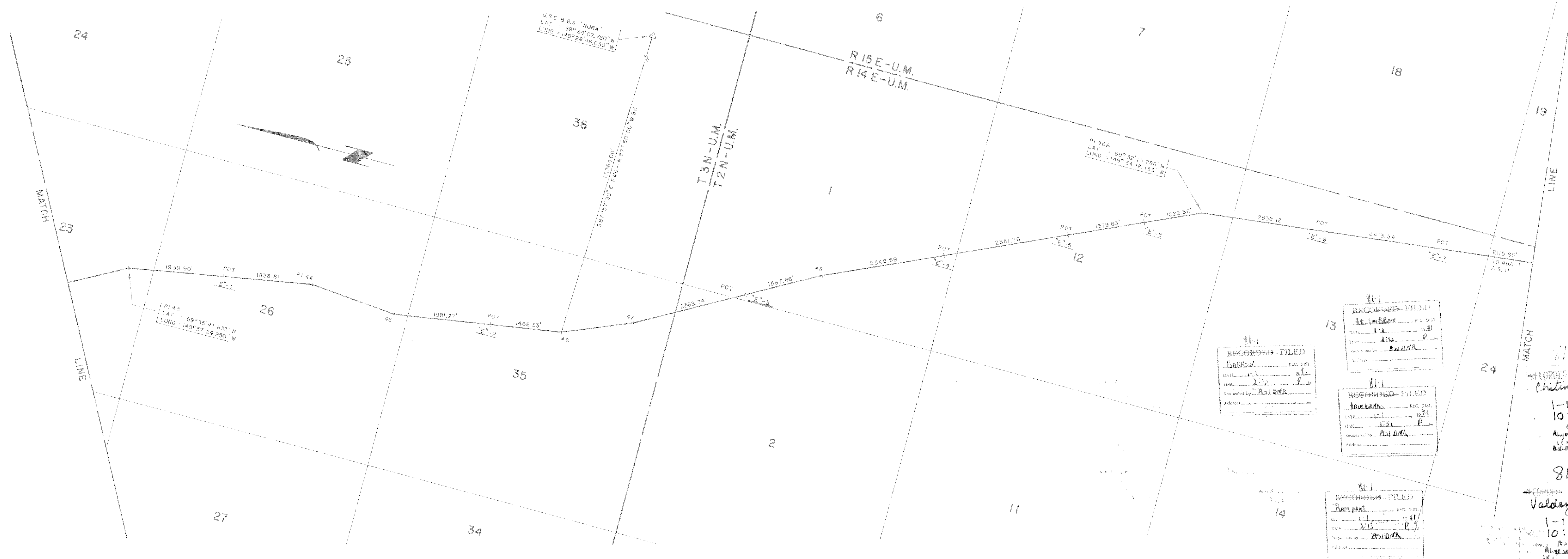
AL-00-G101 SHEET 9 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				
No.	DATE	REVISION	BY	CHKD. APP.
Approval Recommended: [Signature]				
Approval: [Signature]				

POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE
	RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD
42	S 28°11'43" E - 3360.37	48A-1															
PI 43	354.92' 56.70' 371.37'																
PI 44	S 10°02'12" E - 3778.71																
	572.08' 76.80' 600.29'																
	S 05°03'39" W - 1781.38																
45	S 08°51'34" E - 3449.60																
46	S 22°47'36" E - 1489.18																
47	S 29°07'43" E - 3076.90																
48	S 24°25'14" E - 7933.84																
PI 48A	445.22' 70.20' 458.68'																
	S 06°29'09" E - 7087.81																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-81
TIME: 2:15 P.M.
Requested by: ASDAK
Address: _____

81-1
RECORDED - FILED
DATE: 1-11-81
TIME: 1:52 P.M.
Requested by: ASDAK
Address: _____

81-1
RECORDED - FILED
DATE: 1-11-81
TIME: 2:15 P.M.
Requested by: ASDAK
Address: _____

81-1
Chitina
1-12-81
10:20 A
Requested by: ASDAK
Address: _____

81-1
Valdez
1-12-81
10:10 A
Requested by: ASDAK
Address: _____

Date of Survey: _____ Name of Surveyor: OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Beginning: Feb. 1977 Ending: Oct. 1980 RICHARD C. DAVIS Lic. No. 1637-E
Drawn by: C.F.G. Approved: R.C.D. Scale: 1" = 1000'

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 3 N., R. 14 E., & T. 2 N., R. 14 E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

Approval Recommended Name: _____ Title: Chief, Division of Cadastral Survey Bureau of Land Management

Approved Name: _____ Title: Authorized Officer

File No. 102-1

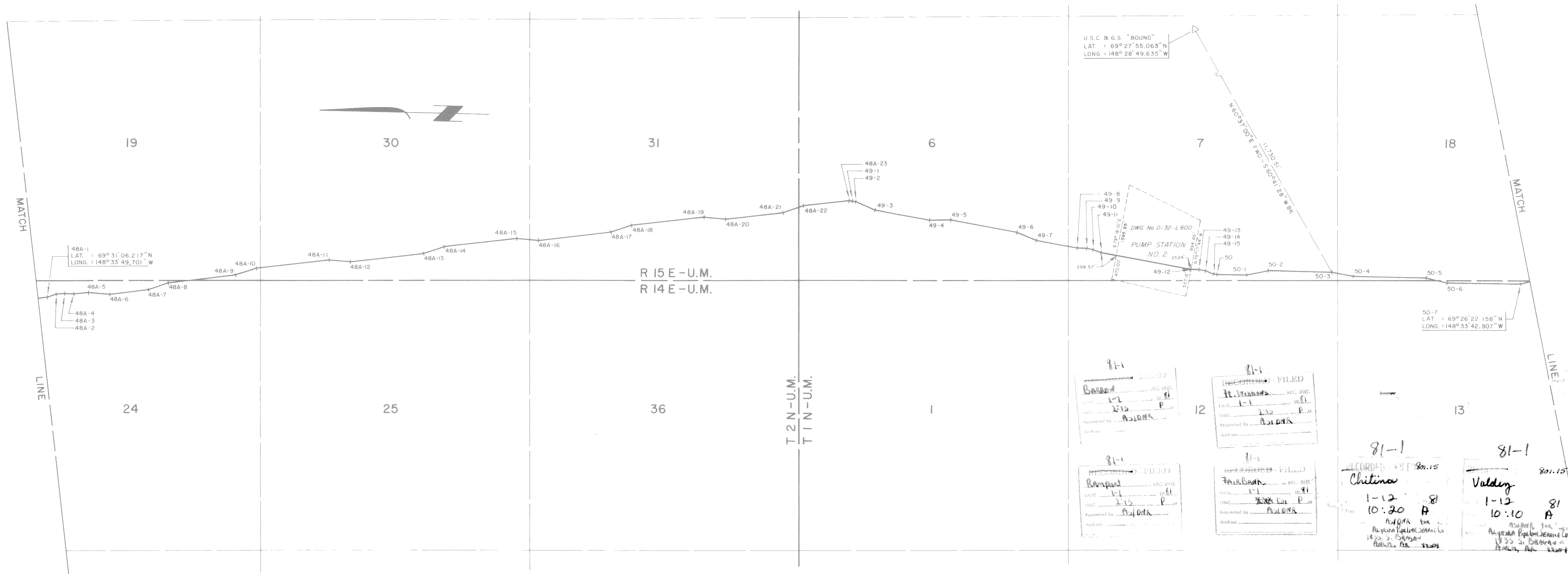
AL-00-G101 SHEET 10 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	J.C. Harke		
Approval	J.C. Harke		

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
48A	S 06°29'09"E - 7067.51'	48A-8	S 06°29'16"E - 1319.88'	48A-16	S 06°28'47"E - 1439.85'	49-1	S 10°25'06"W - 59.64'	49-9	S 10°44'49"W - 119.95'	50-1	S 11°33'40"E - 420.06'								
48A-1	S 18°58'29"E - 180.01'	48A-9	S 18°59'23"E - 419.74'	48A-17	S 18°58'27"E - 420.16'	49-2	S 23°13'58"W - 420.50'	49-10	S 23°10'36"W - 180.12'	50-2	S 00°56'58"W - 1253.71'								
48A-2	S 06°22'41"E - 170.84'	48A-10	S 06°29'04"E - 1439.65'	48A-18	S 06°29'11"E - 1439.54'	49-3	S 10°42'16"W - 1090.47'	49-11	S 10°42'19"W - 1775.79'	50-3	S 13°25'47"W - 420.27'								
48A-3	S 05°54'20"W - 179.64'	48A-11	S 05°53'56"W - 420.05'	48A-19	S 06°00'46"W - 420.57'	49-4	S 01°48'13"E - 420.23'	49-12	S 01°46'41"E - 180.05'	50-4	S 00°56'10"W - 1439.70'								
48A-4	S 06°25'22"E - 287.87'	48A-12	S 06°26'56"E - 1439.94'	48A-20	S 06°27'31"E - 1139.22'	49-5	S 10°41'36"W - 1309.55'	49-13	S 10°42'56"W - 118.98'	50-5	S 13°25'13"W - 420.14'								
48A-5	S 06°00'12"W - 420.11'	48A-13	S 18°59'10"E - 420.50'	48A-21	S 19°01'15"E - 420.28'	49-6	S 23°13'52"W - 419.73'	49-14	S 23°12'51"W - 179.90'	50-6	S 00°57'50"W - 1440.02'								
48A-6	S 06°29'20"E - 770.06'	48A-14	S 06°26'48"E - 1439.36'	48A-22	S 06°28'27"E - 899.97'	49-7	S 10°42'57"W - 820.48'	49-15	S 10°49'21"W - 60.33'	50-7	S 11°32'32"E - 419.99'								
48A-7	S 18°59'35"E - 420.03'	48A-15	S 05°52'22"W - 419.97'	48A-23	S 01°58'03"W - 60.21'	49-8	S 01°51'12"E - 180.28'	50	S 00°56'44"W - 594.89'	50-8									

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



Date of Survey	Name of Surveyor OCEAN TECHNOLOGY LTD dba F.M. LINDSEY & ASSOC.		
Beginning Feb, 1977	Ending Oct, 1980	RICHARD C. DAVIS Lic. No. 1537-S	
Drawn by C.F.G.	Approved R.C.D.	Scale 1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.2N., R.14 & 15E. & T.1N., R.14 & 15E., U.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name	Approval Recommended	Name
	Chief, Division of Cadastral Survey Bureau of Land Management		Chief Cadastral Surveyor
Approved	Name	Approved	Name
	Authorized Officer		Authorized Officer
File No.		File No.	102-1

AL-00-G101 SHEET 11 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	Name	Approval	Name
	M. J. Smith		J. C. Harle
Approval	Name	Approval	Name
	J. C. Harle		

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
50-7	S 11° 32' 32" E - 419.99'	PI 53	S 57° 25' 34" W - 1365.45'	56E															
50-8	S 00° 57' 15" W - 959.70'	PI 54	S 11° 23' 09" W - 4471.15'																
50-9	S 11° 34' 07" E - 180.13'	PI 55	S 40° 43' 05" W - 5351.95'																
50-10	S 00° 58' 53" W - 180.00'	56	S 31° 45' 35" W - 2653.87'																
50-11	S 13° 24' 24" W - 180.02'	56A	S 44° 43' 13" W - 274.82'																
50-12	S 00° 53' 54" W - 772.66'	56B	S 31° 56' 17" W - 1224.31'																
PI 51	S 66° 46' 110.51'	56C	S 19° 00' 46" W - 420.46'																
52	S 34° 27' 18" W - 2715.92'	56D	S 19° 00' 46" W - 420.46'																
	S 44° 03' 47" W - 7458.88'		S 31° 43' 09" W - 1427.60'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 RECORDED - FILED
 Chitina
 1-12 81
 10:30 A
 81-1
 RECORDED - FILED
 Valdez
 1-12 81
 10:10 A

Date of Survey	Beginning Feb., 1977	Ending Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. ORA FM LINDSEY & ASSOC.	RICHARD C. DAVIS	License No.	1637-S
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'		
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.N., R.14&15E., & T.I.S., R.14E., U.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended Name: _____ Title: Chief, Division of Cadastral Survey Bureau of Land Management				Approval Recommended Name: <i>[Signature]</i> 11/14/80 Title: Chief Cadastral Surveyor			
Approved Name: _____ Title: Acting Authorized Officer				Approved Name: <i>[Signature]</i> Title: Authorized Officer			
File No.				File No. 102-1			

AL-00-G101 SHEET 12 OF 143 ER-

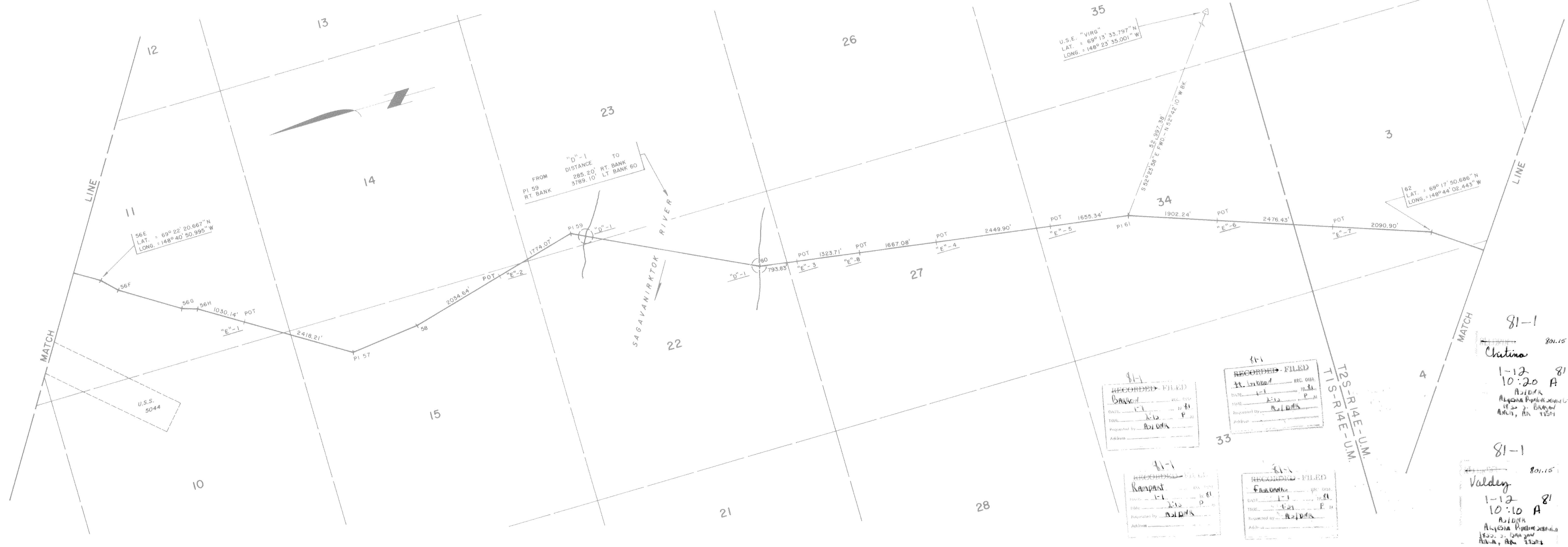
ALYESKA PIPELINE SERVICE CO., AGENT
 TRANS ALASKA PIPELINE SYSTEM
 PRUDHOE BAY TO VALDEZ
 48" OIL PIPELINE

Approval Recommended *[Signature]*
 Approval *[Signature]*

POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE
	RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD		RADIUS TANGENT CHORD
56D	S 31° 43' 09" W - 1427.60'	60	S 08° 20' 21" W - 7889.86'														
56E	S 44° 48' 39" W - 408.12'	PI 61	S 19° 13' 42" W - 6469.57'														
56F	S 32° 30' 49" W - 1414.71'	62	S 35° 03' 12" W - 2166.51'														
56G	S 17° 08' 32" W - 322.03'	63															
56H	S 31° 47' 57" W - 3448.35'																
PI 57	289.55' 100.67' 190.16'																
58	S 06° 32' 55" E - 1464.36'																
PI 59	S 14° 35' 57" E - 3808.71'																
	329.87' 121.02' 227.23'																
	S 25° 41' 32" W - 4074.30'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 81-1
 BARRON
 DATE: 1-11-81
 TIME: 1:15 P.M.
 Requested by: A. J. Adams
 Address: [blank]

RECORDED - FILED
 81-1
 H. Lindsey
 DATE: 1-11-81
 TIME: 1:15 P.M.
 Requested by: A. J. Adams
 Address: [blank]

RECORDED - FILED
 81-1
 Rampart
 DATE: 1-11-81
 TIME: 1:15 P.M.
 Requested by: A. J. Adams
 Address: [blank]

RECORDED - FILED
 81-1
 Franzen
 DATE: 1-11-81
 TIME: 1:15 P.M.
 Requested by: A. J. Adams
 Address: [blank]

81-1
 Christina
 1-12-81
 10:20 A
 A. J. Adams
 Alyeska Pipeline Service Co.
 1825 3rd Avenue
 Anchorage, Alaska 99501

81-1
 Valdey
 1-12-81
 10:10 A
 A. J. Adams
 Alyeska Pipeline Service Co.
 1825 3rd Avenue
 Anchorage, Alaska 99501

Date of Survey: [blank] Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Beginning: Feb, 1977 Ending: Oct, 1980 RICHARD C. DAVIS Lic. No. 1637-S
 Drawn by: C.F.G. Approved: R.C.D. Scale: 1" = 1000'
 Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. I S., R. 14 E., & T. 2 S., R. 14 E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

Approval Recommended: [Signature] Name: [Signature] Title: Chief, Division of Cadastral Survey Bureau of Land Management NOV 0 5 1980
 Approval Recommended: [Signature] Name: [Signature] Title: Chief Cadastral Surveyor

Approved: [Signature] Name: [Signature] Title: Acting Authorized Officer NOV. 5 1980
 Approved: [Signature] Name: [Signature] Title: Authorized Officer

File No. [blank] File No. 102-1

AL-00-GIOI SHEET 13 OF 143 ER-
 ALYESKA PIPELINE SERVICE CO., AGENT
 TRANS ALASKA PIPELINE SYSTEM
 PRUDHOE BAY TO VALDEZ
 48" OIL PIPELINE

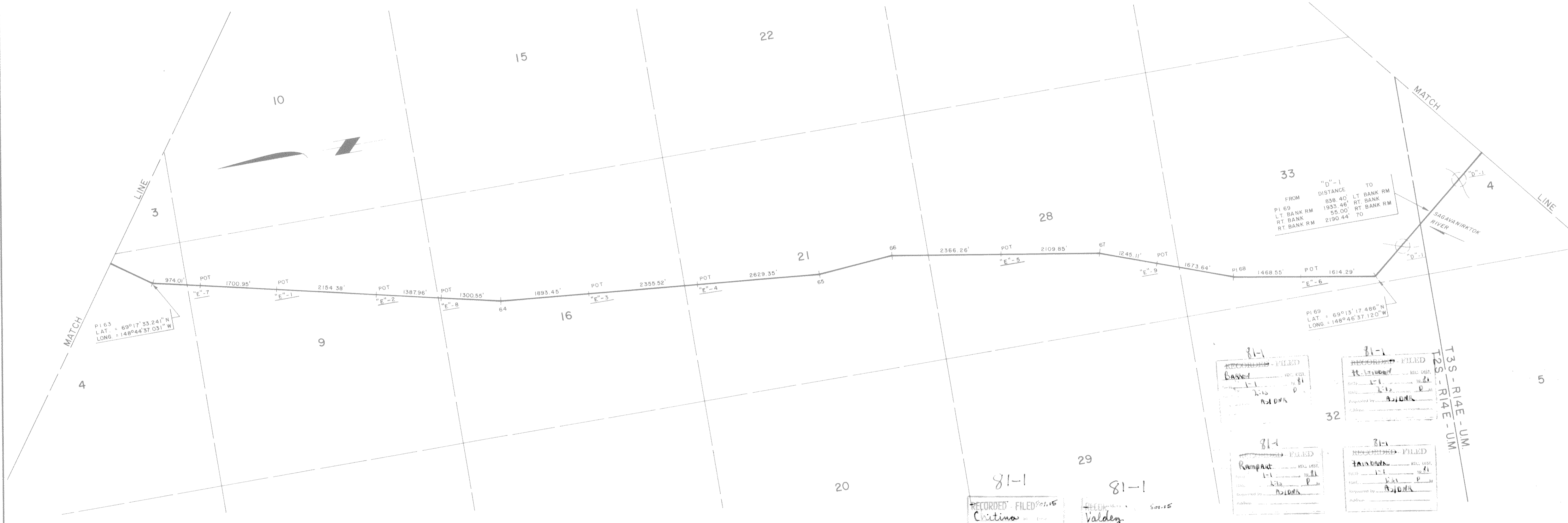
Approval Recommended: [Signature] Title: [blank]
 Approval: [Signature] Title: [blank]

No. DATE REVISION BY CHKO APP

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
62	S 35° 03' 12" W - 2166.51'	70															
PI 63	781.29' 153.83' 301.86'																
64	S 12° 45' 56" W - 7517.85'																
65	S 04° 59' 04" W - 6878.32'																
66	S 04° 55' 27" E - 1615.70'																
67	S 09° 09' 01" W - 4476.11'																
PI 68	S 19° 38' 48" W - 2918.75'																
	1300.90' 114.17' 227.45'																
	S 09° 36' 37" W - 3082.84'																
PI 69	304.48' 138.45' 252.06'																
	S 39° 17' 01" E - 5017.30'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
Drawn by	R.H.M.	Approved	R.C.D. Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.2S., R.14E., & T.3S., R.14E., U.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name	Approval Recommended	Name
	Richard C. Davis		11/12/80
Title	Chief, Division of Cadastral Survey Bureau of Land Management NOV 0 5 1980	Title	Chief Cadastral Surveyor
Approved	Name	Approved	Name
	Alan H. Kohl		Theresa Shustro
Title	Acting Authorized Officer NOV. 5 1980	Title	Authorized Officer
File No.		File No.	102-1

AL-00-GIOI SHEET 14 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT	
TRANS ALASKA PIPELINE SYSTEM	
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	
Approval Recommended	Name
	J.C. Harde

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD
69	S39°17'01"E - 5017.30'	77	S04°50'43"W - 2114.42'														
PI 70	396.84' 174.07' 318.82'	PI 78	646.88' 102.05' 201.60'														
PI 71	S08°05'48"W - 1204.59'	PI 79	S13°05'03"E - 1207.27'														
PI 72	397.81' 63.27' 124.96'	PI 80	S26°09'46"W - 4358.46'														
PI 73	S26°09'46"W - 4358.46'	PI 81	S11°21'09"W - 1014.22'														
74	S11°10'38"W - 2506.98'	PI 82	S15°12'50"W - 6611.29'														
75	S17°45'52"W - 2029.30'																
76	S13°43'02"W - 2373.91'																

PI = POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by ALYESKA PIPELINE SERVICE
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by ALYESKA PIPELINE SERVICE
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by ALYESKA PIPELINE SERVICE
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by ALYESKA PIPELINE SERVICE
Address

81-1
Valdez
1-12-81
10:10 AM
ALYESKA PIPELINE SERVICE
1133 S. BRANNAW
ANCHORAGE, AK 99501

Date of Survey: _____ Name of Surveyor: OCEAN TECHNOLOGY LTD DBA F.M. LINDSEY & ASSOC
Beginning: Feb, 1977 End: Oct, 1980 RICHARD C. DAVIS Lic No. 1637-S
Drawn by: R.H.M. Approved: _____ R.C.D. Scale: 1" = 1000'

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 3 S., R. 14 E., U. M., ALASKA

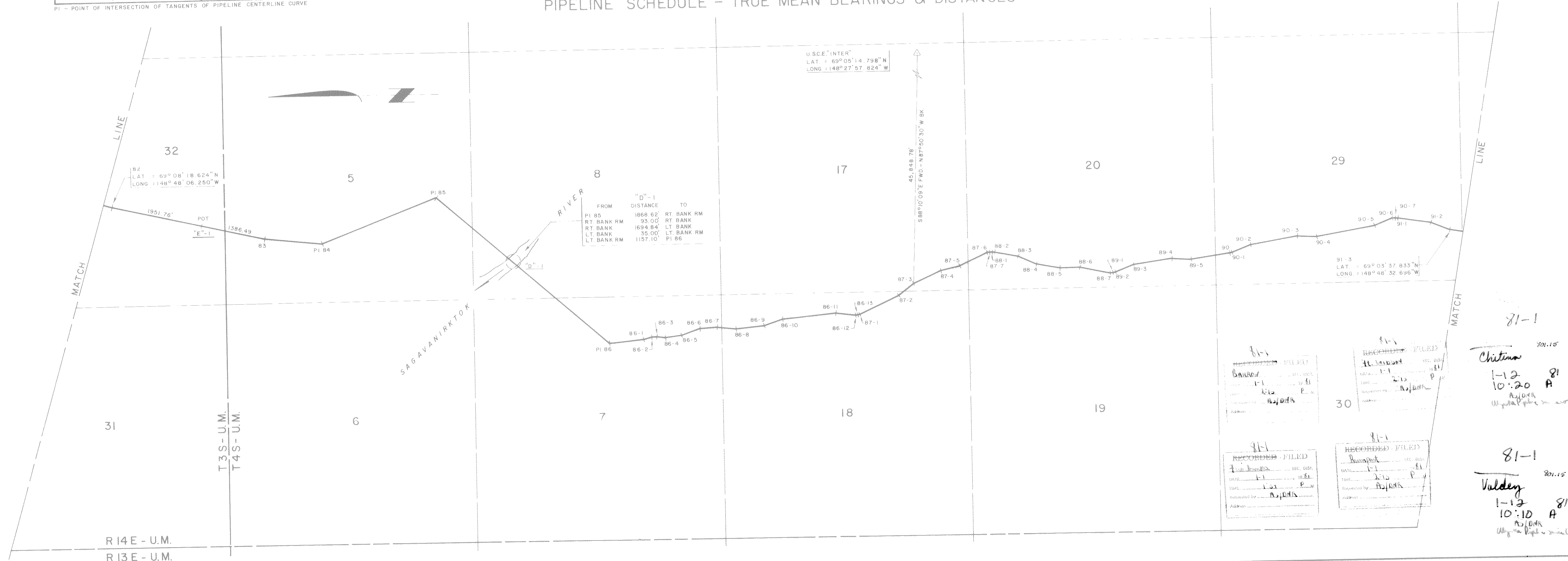
UNITED STATES DEPARTMENT OF THE INTERIOR STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

AL-00-G101 SHEET 15 OF 143 ER-
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended: *[Signature]*
Approval: *[Signature]*
Approval: *[Signature]*

Approval Recommended: *[Signature]* Name: *[Signature]* Title: Chief, Division of Cadastral Survey Bureau of Land Management
Approval: *[Signature]* Name: *[Signature]* Title: Acting Authorized Officer NOV. 5 1980
Approval: *[Signature]* Name: *[Signature]* Title: Authorized Officer
File No. _____ File No. 102-1

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
81	S 15° 12' 50" W - 661.29	86-3	S 06° 39' 59" W - 180.16	86-11	S 06° 52' 14" W - 419.02	87-6	S 18° 56' 07" E - 56.98	88-7	S 01° 13' 49" W - 60.20	90-2	S 09° 40' 29" E - 1015.42	91-3	S 09° 07' 13" W - 942.65								
82	S 12° 48' 33" W - 3338.25	86-4	S 05° 40' 29" E - 355.50	86-12	S 05° 42' 52" E - 60.17	87-7	S 06° 55' 48" E - 56.92	89-1	S 08° 44' 13" E - 60.02	90-3	S 02° 49' 01" W - 419.75	91-4									
83	S 05° 53' 59" W - 1241.25	86-5	S 18° 08' 57" E - 420.14	86-13	S 15° 23' 55" E - 60.00	88-1	S 04° 25' 19" W - 57.17	89-2	S 21° 05' 45" E - 419.75	90-4	S 09° 41' 23" E - 1256.45										
PI 84	527.83 126.73 246.45	86-6	S 05° 38' 36" E - 359.78	87-1	S 25° 01' 05" E - 884.81	88-2	S 11° 14' 49" W - 504.85	89-3	S 08° 35' 59" E - 825.39	90-5	S 22° 11' 11" E - 419.88										
PI 85	479.00 286.17 493.85	86-7	S 06° 50' 33" W - 420.15	87-2	S 37° 31' 25" E - 419.92	88-3	S 23° 42' 54" W - 419.84	89-4	S 03° 54' 26" W - 419.86	90-6	S 09° 23' 23" E - 59.85										
PI 86	495.82 213.47 392.13	86-8	S 05° 40' 15" E - 599.76	87-3	S 24° 59' 51" E - 645.32	88-4	S 11° 12' 31" W - 518.46	89-5	S 08° 35' 07" E - 826.18	90-7	S 00° 24' 16" E - 59.99										
86-1	S 18° 08' 05" E - 180.10	86-9	S 18° 09' 40" E - 419.40	87-4	S 12° 30' 34" E - 419.89	88-5	S 01° 17' 06" E - 419.94	90	S 09° 40' 02" E - 60.01	91-1	S 09° 07' 14" W - 703.83										
86-2	S 05° 19' 55" E - 115.37	86-10	S 05° 39' 15" E - 1136.33	87-5	S 25° 02' 30" E - 635.89	88-6	S 11° 13' 36" W - 658.37	90-1	S 22° 11' 00" E - 419.74	91-2	S 21° 37' 44" W - 420.01										

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina
1-12 10:20 A
20.15

81-1
Valdey
1-12 10:10 A
20.15

RECORDED - FILED
DATE: 1-11-80
BY: A.D.A.

Date of Survey: Beginning Feb, 1977 Ending Oct, 1980 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 1637-S

Drawn by: A.D.A. Approved: R.C.D. Scale: 1" = 1000'

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.3S., R.14E., & T.4S., R.14E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

Approval Recommended: [Signature] Title: Chief, Division of Cadastral Survey, Bureau of Land Management, NOV 5 1980

Approval Recommended: [Signature] Title: Acting Authorized Officer, NOV 5 1980

Approval Recommended: [Signature] Title: Chief Cadastral Surveyor

Approval Recommended: [Signature] Title: Authorized Officer

File No. 102-2

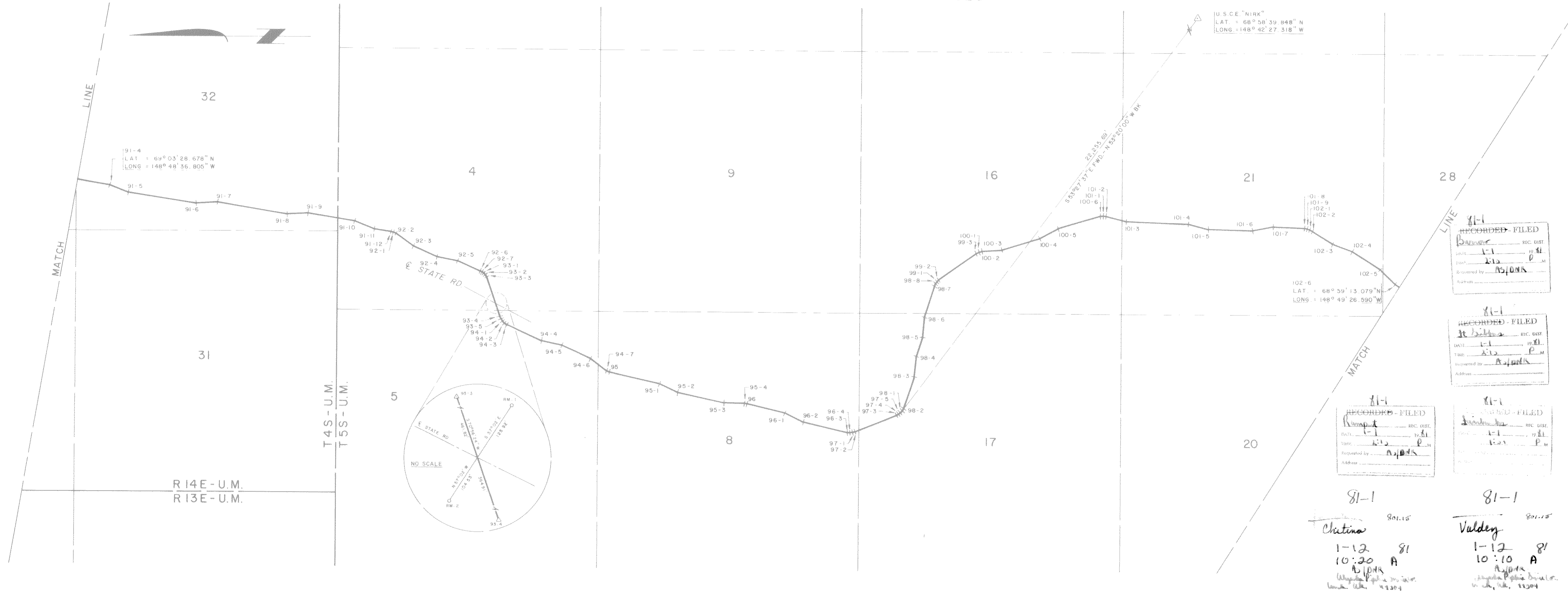
AL-00-G101 SHEET 16 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended: [Signature]
Approval: [Signature]

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE										
	RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD								
91-3	S 09°07'13"W	-	942.65'	91-11	S 09°04'28"W	-	359.43'	92-7	S 41°26'57"W	-	47.71'	94-3	S 24°11'12"W	-	754.64'	95-3	S 00°02'43"E	-	420.02'	97-2	S 22°17'40"E	-	915.43'	98-5	S 85°03'48"E	-	410.38'	100-2	S 04°35'53"E	-	419.96'	101-4	S 14°12'08"W	-	419.96'	102-3	S 19°45'48"W	-	420.55'
91-4	S 21°36'33"W	-	420.24'	91-12	S 16°21'26"W	-	60.63'	93-1	S 53°55'50"W	-	48.23'	94-4	S 11°41'57"W	-	420.16'	95-4	S 12°28'23"W	-	59.79'	97-3	S 28°59'53"E	-	52.28'	98-6	S 72°16'00"E	-	671.72'	100-3	S 17°06'20"E	-	775.27'	101-5	S 01°42'18"W	-	893.66'	102-4	S 32°15'10"W	-	679.44'
91-5	S 09°07'17"W	-	1375.38'	92-1	S 23°37'24"W	-	60.40'	93-2	S 64°58'00"W	-	47.96'	94-5	S 24°11'51"W	-	635.87'	96	S 13°03'25"W	-	772.73'	97-4	S 40°51'53"E	-	52.94'	98-7	S 65°23'59"E	-	54.20'	100-4	S 29°35'33"E	-	419.81'	101-6	S 10°47'11"E	-	420.67'	102-5	S 45°15'25"W	-	419.69'
91-6	S 03°21'37"E	-	420.08'	92-2	S 35°56'24"W	-	419.99'	93-3	S 70°56'25"W	-	826.73'	94-6	S 36°42'09"W	-	419.60'	96-1	S 25°33'12"W	-	420.06'	97-5	S 53°36'53"E	-	52.62'	98-8	S 54°24'30"E	-	54.38'	100-5	S 17°05'59"E	-	895.00'	101-7	S 01°41'26"W	-	637.83'	102-6	S 32°25'48"W	-	1200.05'
91-7	S 09°07'18"W	-	1435.12'	92-3	S 23°26'47"W	-	523.48'	93-4	S 65°21'03"W	-	60.56'	94-7	S 24°11'22"W	-	60.09'	96-2	S 13°04'28"W	-	909.20'	97-6	S 66°03'03"E	-	52.37'	98-9	S 41°37'11"E	-	53.99'	100-6	S 07°45'24"E	-	59.97'	101-8	S 06°50'14"W	-	56.38'	102-7			
91-8	S 03°22'41"E	-	420.48'	92-4	S 10°56'48"W	-	419.86'	93-5	S 52°59'12"W	-	59.66'	94-8	S 12°28'50"W	-	1018.68'	96-3	S 06°57'04"W	-	55.40'	97-7	S 72°18'48"E	-	642.65'	98-10	S 35°17'31"E	-	913.22'	100-7	S 01°43'10"W	-	59.92'	101-9	S 17°32'31"W	-	56.25'	102-8			
91-9	S 09°08'17"W	-	955.80'	92-5	S 23°24'28"W	-	513.17'	94-1	S 41°34'34"W	-	59.90'	95-1	S 24°56'02"W	-	420.12'	96-4	S 04°44'04"E	-	55.42'	97-8	S 64°59'01"E	-	417.24'	98-11	S 26°17'28"E	-	59.99'	100-8	S 14°12'26"W	-	420.05'	101-10	S 27°04'57"W	-	56.78'	102-9			
91-10	S 21°36'48"W	-	419.84'	92-6	S 29°27'39"W	-	48.17'	94-2	S 30°06'04"W	-	60.17'	95-2	S 12°26'54"W	-	958.66'	97-1	S 16°16'48"E	-	55.08'	98-12	S 72°10'21"E	-	400.38'	99-1	S 16°49'53"E	-	59.96'	100-9	S 01°42'35"W	-	1252.89'	101-11	S 32°34'11"W	-	487.77'	102-10			

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



Date of Survey	Name of Surveyor	
Beginning Feb. 1977	Ending Oct. 1980	RICHARD C. DAVIS
Drawn by A. D. A.	Approved R.C.D.	Scale 1" = 1000'
Description A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.4S., R.14E., & T.5S., R.14E., U.M., ALASKA		
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended Name Title Chief, Division of Cadastral Survey Bureau of Land Management NOV	Approval Recommended Name <i>Richard C. Davis</i> 11/12/80 Title Chief Cadastral Surveyor	
Approved Name <i>Alan H. Kohl</i> Title Acting Authorized Officer NOV 5 1981	Approved Name <i>Richard C. Davis</i> Title Authorized Officer	
File No.	File No. 102-2	

AL-00-G101 SHEET 17 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>A. J. Davis</i>		
Approval	<i>J. C. Harke</i>		
No.	DATE	REVISION	BY / CHKD / APP

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
102-6	S 32° 25' 46" W - 1200.05'	103-3	S 17° 12' 21" W - 1170.46'	104-3	S 30° 13' 27" W - 1053.02'	105-3	S 21° 35' 04" W - 419.89'	106-4	S 00° 00' 38" E - 1389.12'	106-12	S 00° 00' 06" E - 1137.30'								
102-7	S 19° 54' 17" W - 419.98'	103-4	S 29° 44' 11" W - 420.14'	104-4	S 17° 43' 18" W - 419.89'	105-4	S 09° 04' 34" W - 1085.93'	106-5	S 12° 29' 15" W - 420.41'	106-13	S 12° 29' 23" W - 420.03'								
102-8	S 32° 25' 31" W - 1199.92'	103-5	S 17° 12' 54" W - 1289.56'	104-5	S 30° 12' 55" W - 1259.38'	105-5	S 03° 29' 53" E - 417.66'	106-6	S 00° 00' 48" E - 1439.95'	106-14	S 00° 15' 10" W - 59.79'								
102-9	S 44° 55' 14" W - 419.50'	103-6	S 04° 43' 33" W - 419.88'	104-6	S 42° 42' 30" W - 419.88'	105-6	S 09° 04' 00" W - 1320.61'	106-7	S 12° 29' 22" E - 419.82'	106-15	S 03° 16' 13" E - 836.38'								
102-10	S 32° 25' 43" W - 1019.95'	103-7	S 17° 16' 04" W - 59.92'	104-7	S 30° 12' 15" W - 958.68'	105-7	S 00° 00' 17" W - 59.82'	106-8	S 00° 00' 19" E - 1440.65'	107-1	S 15° 44' 34" E - 420.29'								
102-11	S 24° 45' 22" W - 59.95'	103-8	S 23° 34' 12" W - 60.33'	104-8	S 24° 56' 44" W - 60.40'	105-8	S 12° 28' 45" E - 420.07'	106-9	S 12° 30' 13" E - 420.18'	107-2									
103-1	S 16° 51' 36" W - 59.87'	104-1	S 30° 13' 54" W - 816.50'	105-1	S 14° 10' 10" W - 59.67'	106-2	S 00° 01' 03" E - 1328.45'	106-10	S 00° 00' 33" E - 1440.17'										
103-2	S 04° 42' 58" W - 419.90'	104-2	S 42° 41' 42" W - 420.23'	105-2	S 09° 05' 10" W - 847.84'	106-3	S 12° 29' 23" W - 420.76'	106-11	S 12° 30' 05" W - 420.33'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



AL-00-G101 SHEET 18 OF 143

ER-

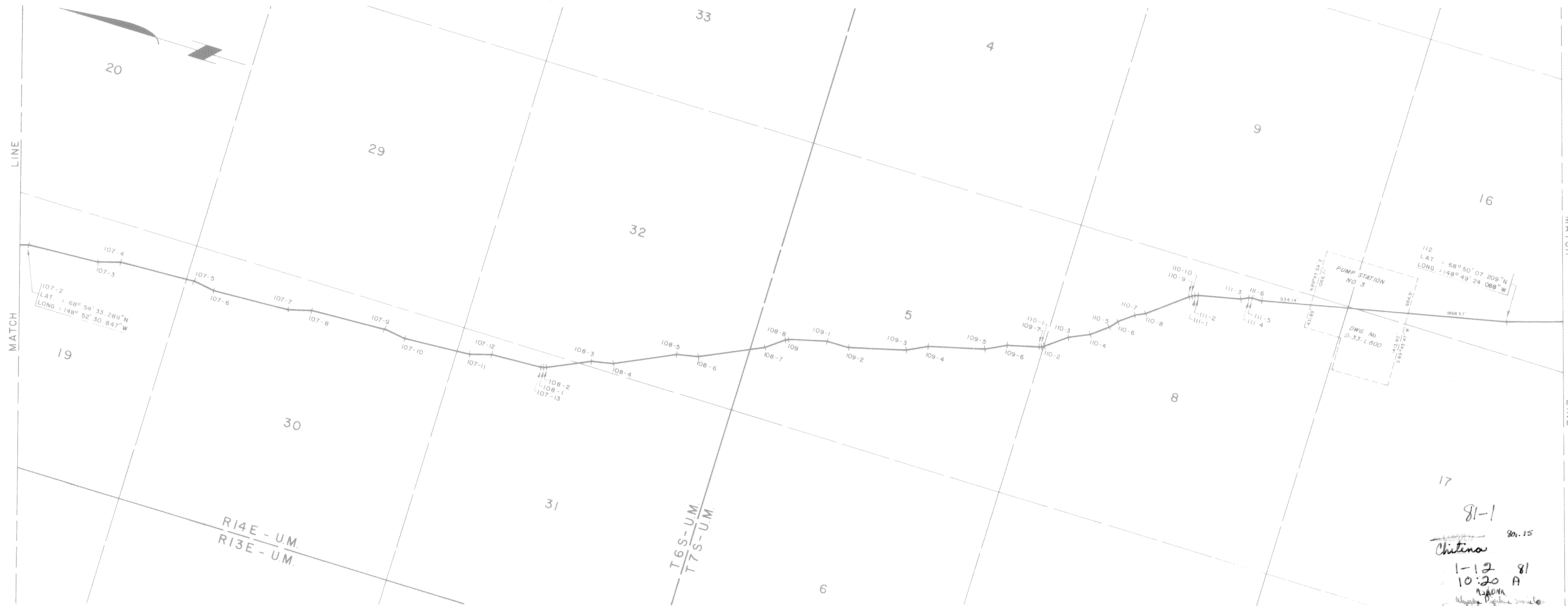
ALYESKA PIPELINE SERVICE CO., AGENT	Approval Recommended
TRANS ALASKA PIPELINE SYSTEM	Name <i>[Signature]</i>
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	Title Chief, Division of Cadastral Survey Bureau of Land Management NOV 9 3 1980
Approval Recommended <i>[Signature]</i>	Name <i>[Signature]</i>
Approval <i>[Signature]</i>	Title <i>[Signature]</i>
No. DATE REVISION BY CHRD APP	File No. 102-2

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
Drawn by	C.F.G.	Approved	R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 5 S., R. 14 E., & T. 6 S., R. 14 E., U.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended <i>[Signature]</i>		Approval Recommended <i>[Signature]</i> 11/12/80		
Name <i>[Signature]</i>		Name <i>[Signature]</i>		
Title Chief, Division of Cadastral Survey		Title Chief Cadastral Surveyor		
Approved <i>[Signature]</i>		Approved <i>[Signature]</i>		
Name <i>[Signature]</i>		Name <i>[Signature]</i>		
Title <i>[Signature]</i>		Title <i>[Signature]</i>		
File No.		File No. 102-2		

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
107-1	S 15°44'34"E - 420.29'	107-9	S 09°14'58"W - 419.81'	108-4	S 24°56'14"E - 1199.32'	109-3	S 26°54'34"E - 419.71'	110-4	S 37°41'46"E - 358.94'	111-2	S 12°14'59"E - 780.08'								
107-2	S 03°15'22"E - 1315.92'	107-10	S 03°15'24"E - 1259.26'	108-5	S 12°25'43"E - 420.10'	109-4	S 14°24'04"E - 1080.80'	110-5	S 50°09'37"E - 180.28'	111-3	S 24°43'58"E - 179.88'								
107-3	S 15°45'49"E - 420.27'	107-11	S 15°43'40"E - 420.14'	108-6	S 24°56'32"E - 1259.28'	109-5	S 26°54'06"E - 419.07'	110-6	S 37°39'57"E - 359.92'	111-4	S 12°40'11"E - 60.08'								
107-4	S 03°15'19"E - 1438.51'	107-12	S 03°14'36"E - 959.67'	108-7	S 37°25'52"E - 420.16'	109-6	S 14°22'44"E - 589.97'	110-7	S 25°12'38"E - 180.02'	111-5	S 00°16'35"W - 180.95'								
107-5	S 09°15'11"W - 420.12'	107-13	S 09°01'24"E - 60.24'	108-8	S 24°53'23"E - 59.93'	109-7	S 20°16'57"E - 60.27'	110-8	S 37°42'18"E - 900.07'	111-6	S 12°14'50"E - 4641.16'								
107-6	S 03°15'47"E - 1441.37'	108-1	S 18°43'41"E - 59.75'	109	S 14°25'02"E - 720.73'	110-1	S 31°43'13"E - 59.99'	110-9	S 33°21'48"E - 59.82'	112	S 17°27'40"E - 1396.92'								
107-7	S 15°45'38"E - 419.93'	108-2	S 24°59'31"E - 841.58'	109-1	S 01°52'48"E - 419.16'	110-2	S 37°47'43"E - 462.74'	110-10	S 24°50'23"E - 60.04'	113									
107-8	S 03°15'00"E - 1440.13'	108-3	S 12°28'40"E - 420.35'	109-2	S 14°25'14"E - 1082.84'	110-3	S 25°09'32"E - 419.87'	111-1	S 16°36'10"E - 60.12'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECOMMENDED - FILED
DATE: 1-1-81
BY: R.C.D.
APPROVED BY: R.C.D.

81-1
RECOMMENDED - FILED
DATE: 1-1-81
BY: R.C.D.
APPROVED BY: R.C.D.

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RECOMMENDED - FILED
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DATE: 1-1-81
BY: R.C.D.
APPROVED BY: R.C.D.

81-1
RECOMMENDED - FILED
DATE: 1-1-81
BY: R.C.D.
APPROVED BY: R.C.D.

81-1
20.15
Chitina
1-12-81
10:20 A
R.C.D.

81-1
20.15
Valdey
1-12-81
10:10 A
R.C.D.

Date of Survey	Beginning Feb. 1977	Ending Oct. 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. 084 P.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic. No. 1637-S
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.6S., R.14E., & T.7S., R.14E., U.M., ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended			Approval Recommended			
Name: [Signature]			Name: [Signature] 11/22/80			
Title: Chief, Division of Cadastral Survey Bureau of Land Management NOV. 5 1980			Title: Chief Cadastral Surveyor			
Approval			Approval			
Name: [Signature]			Name: [Signature]			
Title: Authorized Officer NOV. 5 1980			Title: Authorized Officer			
File No.			File No. 102-2			

AL-00-G101 SHEET 19 OF 143 ER-

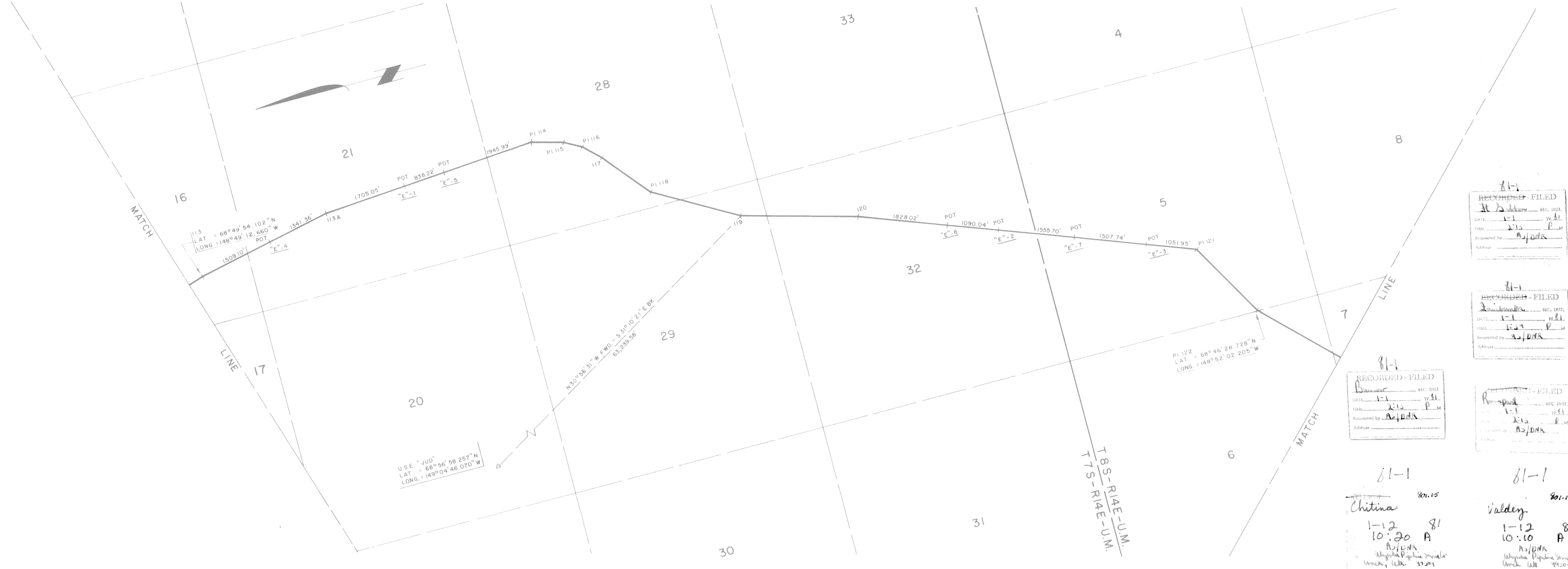
ALYESKA PIPELINE SERVICE CO., AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				
Approval Recommended	[Signature]			
Approval	[Signature]			

No.	DATE	REVISION	BY	CHKD	APP

POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE
	RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD
112	S17°27'40"E - 1396.92'	119	S15°12'04"W - 2417.89'														
113	S12°15'47"E - 2850.46'	120	S20°26'41"W - 7033.45'														
113A	S04°19'44"E - 4489.26'	P1121	S20°26'41"W - 7033.45'														
P1114	447.04' 71.62' 141.42'	P1122	631.57' 225.35' 424.49'														
P1115	S13°52'28"W - 649.21'		S59°42'16"W - 1785.37'														
P1116	612.22' 77.61' 153.99'	122-1	S44°30'14"W - 5960.58'														
P1117	S28°19'24"W - 405.60'																
P1118	524.96' 68.88' 136.59'																
	S43°16'21"W - 462.79'																
	S49°52'25"W - 1244.64'																
	603.73' 109.22' 214.95'																
	S29°21'30"W - 1911.22'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-11-81
 BY: RCD
 COUNTY: ALASKA
 ADDRESS: Anchorage, Alaska

RECORDED - FILED
 DATE: 1-11-81
 BY: RCD
 COUNTY: ALASKA
 ADDRESS: Anchorage, Alaska

RECORDED - FILED
 DATE: 1-11-81
 BY: RCD
 COUNTY: ALASKA
 ADDRESS: Anchorage, Alaska

RECORDED - FILED
 DATE: 1-11-81
 BY: RCD
 COUNTY: ALASKA
 ADDRESS: Anchorage, Alaska

81-1
 Chitina
 1-12 81
 10:20 A
 RCD
 Alaska Pipeline Service Co.
 Anchorage, Alaska 99501

81-1
 Valdez
 1-12 81
 10:10 A
 RCD
 Alaska Pipeline Service Co.
 Anchorage, Alaska 99501

Date of Survey: Beginning Feb, 1977 Ending Oct, 1980
 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Drawn by: A.D.A. Approved: R.C.D. Scale: 1" = 1000'
 Name: RICHARD C. DAVIS Lic. No. 1637-S

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.7S., R.14E., & T.8S., R.14E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR
 STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

AL-00-G101 SHEET 20 OF 143 ER-

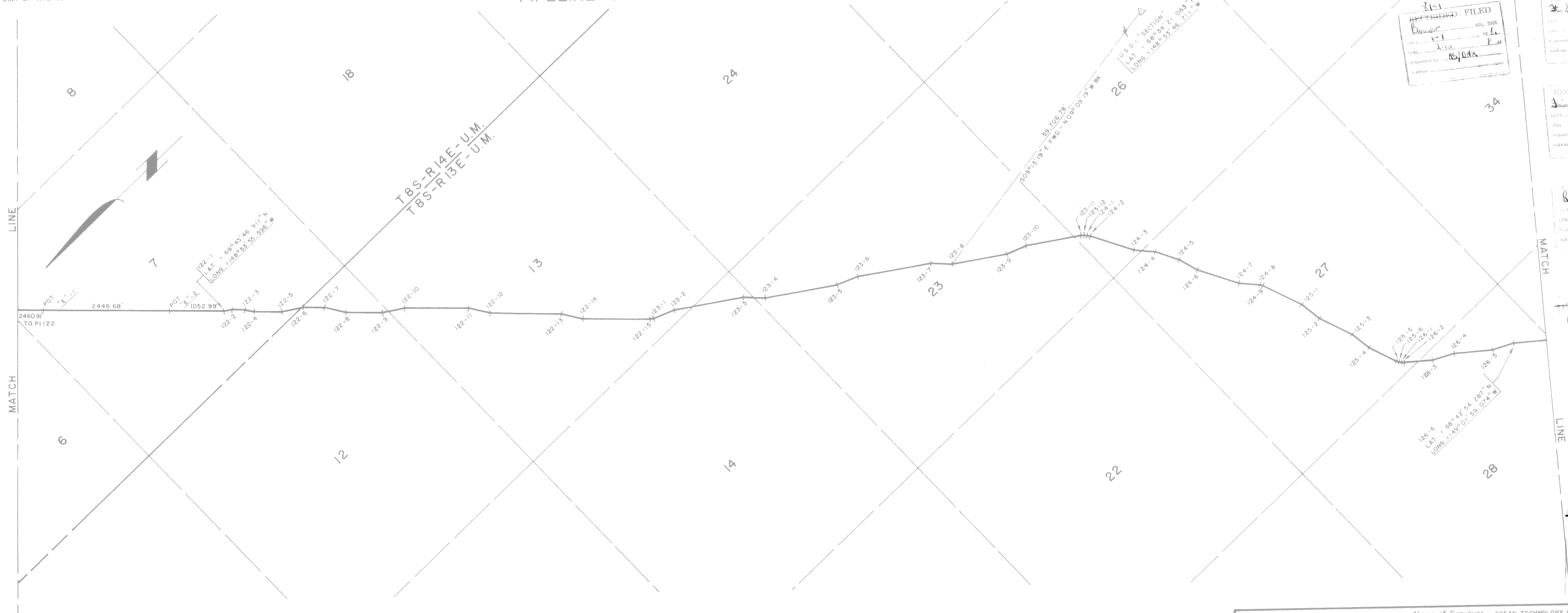
ALYESKA PIPELINE SERVICE CO., AGENT	Approval Recommended
TRANS ALASKA PIPELINE SYSTEM	Name: <i>[Signature]</i>
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	Title: Chief, Division of Cadastral Survey, Bureau of Land Management NOV 8 1980
Approval Recommended <i>[Signature]</i>	Name: <i>[Signature]</i>
Approval <i>[Signature]</i>	Title: Acting Authorized Officer, NOV 5 1980

Approval Recommended
 Name: *[Signature]*
 Title: Chief Cadastral Surveyor
 Approved
 Name: *[Signature]*
 Title: Authorized Officer
 File No. 102-2

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
122	S 44°20'14"W - 596.58'	122-8	S 44°28'08"W - 720.31'	123-1	S 21°18'38"W - 419.74'	123-9	S 21°17'11"W - 420.19'	124-5	S 73°58'14"W - 419.07'	125-4	S 69°53'19"W - 598.70'	126-6	S 38°40'55"W - 1317.30'								
122-1	S 31°39'54"W - 180.38'	122-9	S 31°58'43"W - 420.02'	123-2	S 33°48'07"W - 1375.02'	123-10	S 33°46'29"W - 1077.84'	124-6	S 61°29'18"W - 838.60'	125-5	S 64°37'33"W - 59.83'	126-7									
122-2	S 44°29'50"W - 237.34'	122-10	S 44°27'18"W - 1259.37'	123-3	S 46°18'39"W - 419.63'	123-11	S 38°18'01"W - 60.66'	124-7	S 48°59'48"W - 419.89'	125-6	S 53°52'02"W - 59.78'										
122-3	S 56°58'31"W - 180.19'	122-11	S 56°56'33"W - 420.27'	123-4	S 33°47'36"W - 1433.69'	123-12	S 48°09'49"W - 59.95'	124-8	S 61°36'05"W - 60.17'	126-1	S 44°21'10"W - 60.39'										
122-4	S 44°28'29"W - 537.37'	122-12	S 44°27'09"W - 1378.84'	123-5	S 21°17'20"W - 419.94'	124-1	S 56°25'14"W - 60.01'	124-9	S 69°46'52"W - 832.21'	126-2	S 38°42'57"W - 530.34'										
122-5	S 31°59'11"W - 420.06'	122-13	S 56°57'02"W - 419.91'	123-6	S 33°47'34"W - 1436.80'	124-2	S 61°31'04"W - 889.86'	125-1	S 82°39'16"W - 420.08'	126-3	S 26°10'40"W - 419.94'										
122-6	S 44°29'19"W - 419.07'	122-14	S 44°26'50"W - 1318.82'	123-7	S 46°18'06"W - 419.98'	124-3	S 48°59'01"W - 419.95'	125-2	S 69°53'08"W - 712.22'	126-4	S 38°41'38"W - 768.95'										
122-7	S 56°57'53"W - 419.77'	122-15	S 33°41'07"W - 59.68'	123-8	S 33°47'06"W - 1078.81'	124-4	S 61°29'53"W - 467.36'	125-3	S 82°24'20"W - 419.00'	126-5	S 26°11'57"W - 420.07'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 Date: 1-11-80
 By: A. J. OAK

RECORDED - FILED
 Date: 1-11-80
 By: A. J. OAK

RECORDED - FILED
 Date: 1-11-80
 By: A. J. OAK

81-1
 Chitina
 1-12 81
 10:20 A
 A. J. OAK
 Alaska Pipeline Service
 Anchorage, Alaska

81-1
 Valdez
 1-12 81
 10:10 A
 A. J. OAK
 Alaska Pipeline Service
 Anchorage, Alaska

Date of Survey	Beginning Feb. 1977	Ending Oct. 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS	Lic. No.	1837-S
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'	
Description:	A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 8S., R. 14E., & T. 8S., R. 13E., U.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended	Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management NOV 05 1980			Approval Recommended	Name: <i>[Signature]</i> 11/12/80 Title: Chief Cadastral Surveyor	
Approval Recommended	Name: <i>[Signature]</i> Title: Acting Authorized Officer NOV 5 1980			Approval	Name: <i>[Signature]</i> Title: Authorized Officer	
File No.				File No.	102-2	

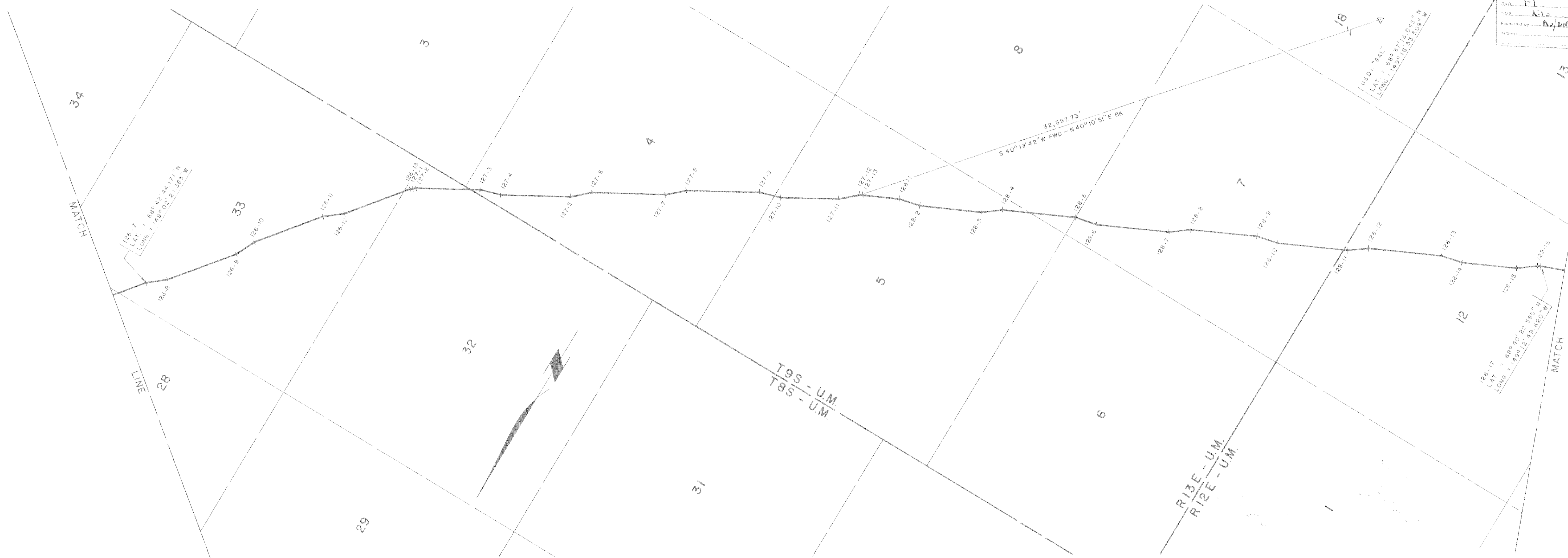
AL-00-G101 SHEET 21 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended <i>[Signature]</i>
Approval <i>[Signature]</i>

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD
126-6	S 38°40'55"W - 1317.30'	127-1	S 55°01'40"W - 59.90'	127-9	S 72°50'54"W - 419.96'	128-4	S 64°48'44"W - 1437.16'	128-12	S 64°46'38"W - 1436.78'										
126-7	S 51°09'07"W - 419.72'	127-2	S 60°22'13"W - 1259.62'	127-10	S 60°20'13"W - 1137.71'	128-5	S 77°18'13"W - 420.47'	128-13	S 77°15'33"W - 420.62'										
126-8	S 38°40'15"W - 1434.78'	127-3	S 72°53'35"W - 419.14'	127-11	S 47°50'38"W - 419.81'	128-6	S 64°48'29"W - 1437.25'	128-14	S 64°45'29"W - 1076.94'										
126-9	S 26°08'57"W - 419.90'	127-4	S 60°22'05"W - 1379.97'	127-12	S 60°26'35"W - 59.81'	128-7	S 52°18'22"W - 420.26'	128-15	S 52°14'41"W - 420.15'										
126-10	S 38°39'12"W - 1435.88'	127-5	S 47°51'31"W - 419.49'	127-13	S 64°49'07"W - 723.63'	128-8	S 64°47'31"W - 1317.18'	128-16	S 64°51'06"W - 59.80'										
126-11	S 51°11'09"W - 418.99'	127-6	S 60°21'42"W - 1436.82'	128-1	S 77°19'51"W - 419.97'	128-9	S 77°16'53"W - 420.16'	128-17	S 68°41'29"W - 766.51'										
126-12	S 38°38'59"W - 1375.11'	127-7	S 47°51'51"W - 419.99'	128-2	S 64°49'55"W - 1204.09'	128-10	S 64°47'23"W - 1377.72'	129-1											
126-13	S 44°02'19"W - 60.12'	127-8	S 60°20'43"W - 1437.76'	128-3	S 52°20'03"W - 420.32'	128-11	S 52°16'46"W - 420.10'												

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-81
TIME: 1:51 P.M.
Approved by: R.J.D.M.
Address:

81-1
RECORDED - FILED
DATE: 1-11-81
TIME: 2:10 P.M.
Approved by: R.J.D.M.
Address:

81-1
RECORDED - FILED
DATE: 1-11-81
TIME: 2:10 P.M.
Approved by: R.J.D.M.
Address:

81-1
Chitina
1-12-81
10:20 A
R.J.D.M.
Alaska Pipeline Service Co.
Work. Unit - 4204

81-1
Valdez
1-12-81
10:10 A
R.J.D.M.
Alaska Pipeline Service Co.
Work. Unit - 4204

AL-00-GIOI SHEET 22 OF 143

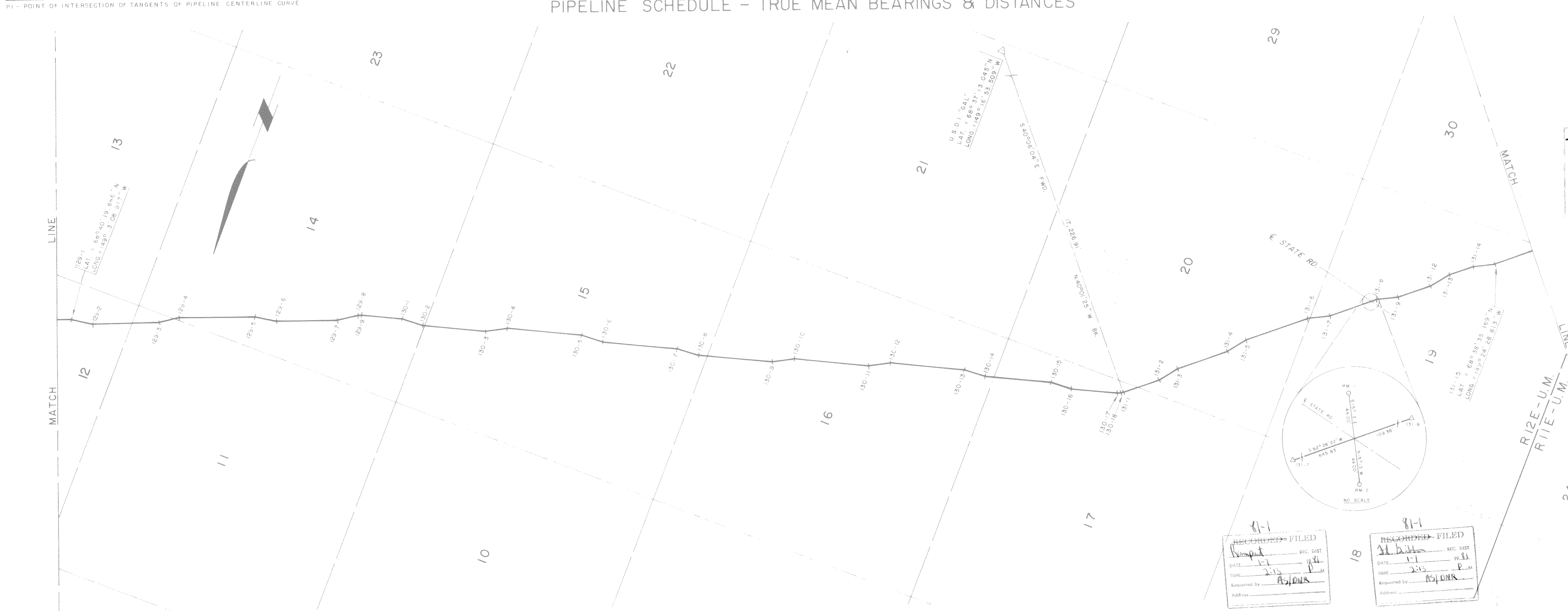
ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	[Signature]		
Approval	[Signature]		

Date of Survey: Beginning Feb, 1977 Ending Oct, 1980		Name of Surveyor: OCEAN TECHNOLOGY LTD dba F.M. LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. - 1637-S	
Drawn by: R.H.M.		Approved: R.C.D. Scale: 1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.8S., R.13 E. & T.9S., R.13 & 12E., U.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name: [Signature]	Approval Recommended	Name: [Signature] 11/10/80
Title: Chief, Division of Cadastral Survey Bureau of Land Management	Title: Chief Cadastral Surveyor	Approval	Name: [Signature]
Name: [Signature]	Title: Authorized Officer	Title: Authorized Officer	
File No:		File No: 102-2	

POINT	BEARING	DISTANCE	POINT	BEARING	DISTANCE	POINT	BEARING	DISTANCE	POINT	BEARING	DISTANCE
128-17	S 68°41'29"W	766.51'	129-8	S 68°42'48"W	59.83'	130-15	S 87°00'24"W	420.26'	140-16	S 66°58'54"W	418.32'
129-1	S 81°10'42"W	420.67'	129-9	S 74°52'22"W	763.51'	130-16	S 74°25'54"W	896.03'	131-5	S 50°05'59"W	705.18'
129-2	S 68°40'54"W	1244.95'	130-1	S 87°01'24"W	419.77'	130-17	S 74°25'54"W	896.03'	131-6	S 62°55'53"W	420.11'
129-3	S 56°10'45"W	420.13'	130-2	S 87°01'24"W	419.77'	130-18	S 68°14'19"W	60.48'	131-7	S 50°09'51"W	955.19'
129-4	S 66°40'44"W	1459.86'	130-3	S 74°51'30"W	1202.16'	130-19	S 56°15'12"W	59.47'	131-8	S 62°28'23"W	418.55'
129-5	S 66°40'44"W	1459.86'	130-4	S 62°01'37"W	419.71'	130-20	S 50°07'06"W	720.50'	131-9	S 50°05'47"W	657.36'
129-6	S 81°08'19"W	419.66'	130-5	S 74°30'40"W	1436.20'	130-21	S 37°35'58"W	419.20'	131-10	S 37°36'22"W	420.01'
129-7	S 68°39'50"W	1160.53'	130-6	S 87°00'20"W	420.38'	130-22	S 50°06'53"W	1017.99'	131-11	S 50°05'02"W	477.61'
	S 56°09'45"W	420.07'		S 74°29'49"W	1436.40'	130-23	S 37°36'01"W	419.87'	131-12	S 62°39'44"W	417.73'

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina
Date: 1-12-81
Time: 10:20 A
Requested by: [Signature]
Address: [Address]

81-1
Valdez
Date: 1-12-81
Time: 10:10 A
Requested by: [Signature]
Address: [Address]

81-1
RECORDED - FILED
DATE: 1-1-81
TIME: 1:15 P.M.
Requested by: [Signature]
Address: [Address]

81-1
RECORDED - FILED
DATE: 1-1-81
TIME: 1:15 P.M.
Requested by: [Signature]
Address: [Address]

DUPLICATE ORIGINAL

AL-00-GIOI SHEET 23 OF 143 ER-

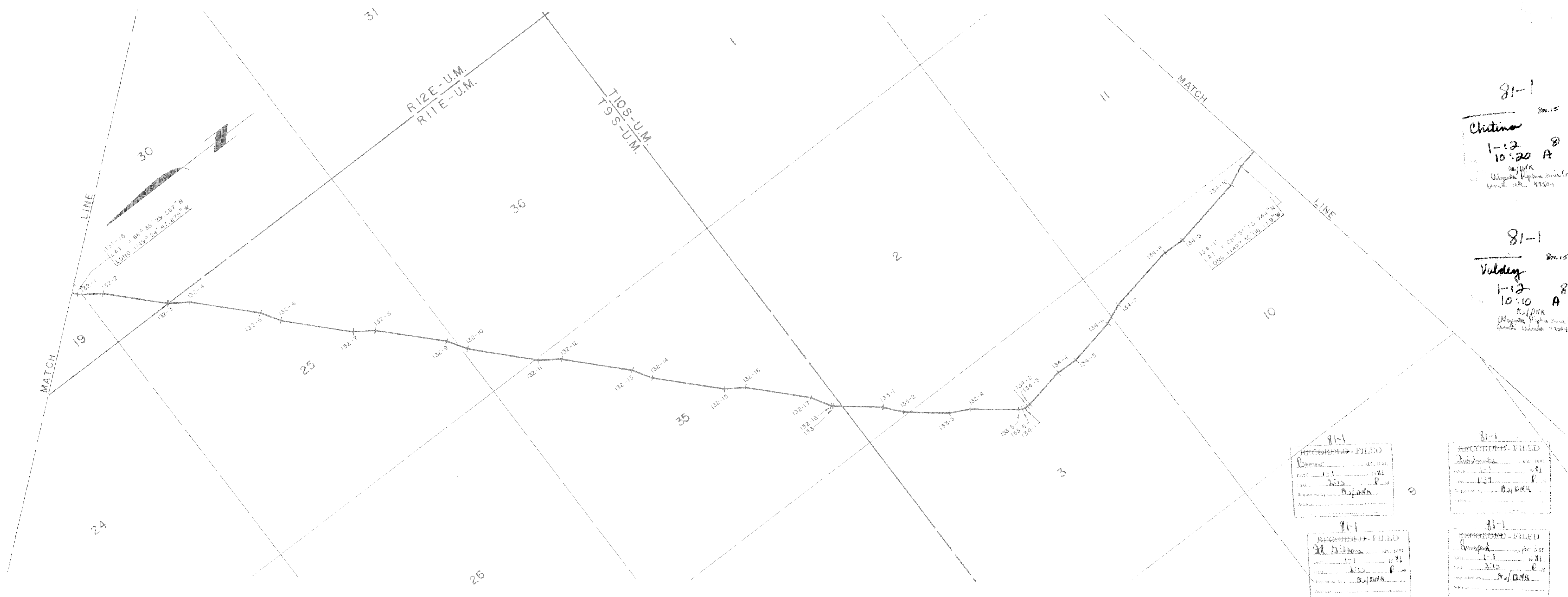
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended: [Signature]
Approval: [Signature]

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD 084 EM LINDSEY & ASSOC.
Drawn by	A.D.A.	Approved	RCM	Scale 1" = 1000'
Description A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.9.S., R.12 E., U.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name: [Signature]	Title: Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended	Name: [Signature] 1/12/81 Title: Chief Cadastral Surveyor
Approved	Name: [Signature]	Title: Authorized Officer	Approved	Name: [Signature] Title: Authorized Officer
File No				File No 102-2

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
131-15	S 50°13'57"W - 890.24'	132-7	S 33°36'44"W - 420.03'	132-15	S 33°33'51"W - 419.72'	133-4	S 36°26'56"W - 960.73'	134-6	S 23°32'26"E - 420.26'										
131-16	S 44°06'59"W - 62.04'	132-8	S 46°07'14"W - 1437.76'	132-16	S 46°04'27"W - 1319.27'	133-5	S 31°37'14"W - 60.00'	134-7	S 11°02'35"E - 1375.22'										
132-1	S 33°38'45"W - 420.36'	132-9	S 58°35'48"W - 419.94'	132-17	S 58°34'33"W - 420.22'	133-6	S 20°08'41"W - 59.78'	134-8	S 01°26'38"W - 420.47'										
132-2	S 46°08'12"W - 1309.16'	132-10	S 46°06'14"W - 1438.07'	132-18	S 46°05'36"W - 59.90'	134-1	S 07°39'11"W - 60.10'	134-9	S 11°02'20"E - 1436.91'										
132-3	S 33°37'38"W - 420.04'	132-11	S 33°35'42"W - 420.13'	133	S 38°27'59"W - 962.86'	134-2	S 04°34'54"E - 59.92'	134-10	S 23°32'42"E - 420.01'										
132-4	S 46°07'54"W - 1426.67'	132-12	S 46°06'30"W - 1437.32'	133-1	S 51°05'13"W - 414.86'	134-3	S 11°03'07"E - 837.53'	134-11	S 11°01'59"E - 1437.73'										
132-5	S 58°37'37"W - 419.94'	132-13	S 58°41'46"W - 416.56'	133-2	S 38°27'09"W - 900.79'	134-4	S 01°28'34"W - 419.73'	134-12											
132-6	S 46°07'19"W - 1437.53'	132-14	S 46°05'21"W - 1427.45'	133-3	S 25°56'56"W - 420.18'	134-5	S 11°02'55"E - 956.32'												

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Chitina
 1-12 10:20 A
 R.I.D.M.
 Valdez Pipeline Service Co.
 Anchorage, Alaska 99501

81-1
 Valdez
 1-12 10:10 A
 R.I.D.M.
 Valdez Pipeline Service Co.
 Anchorage, Alaska 99501

81-1
 RECORDED - FILED
 Date: 1-12-81
 Time: 1:51 P.M.
 Requested by: R.I.D.M.
 Address: Valdez, Alaska

81-1
 RECORDED - FILED
 Date: 1-12-81
 Time: 1:51 P.M.
 Requested by: R.I.D.M.
 Address: Valdez, Alaska

Date of Survey: Beginning Feb, 1977 Ending Oct, 1980
 Name of Surveyor: OCEAN TECHNOLOGY LTD. 98A FM LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 1637-S
 Drawn by: A.D.A. Approved: R.C.D. Scale: 1" = 1000'

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.9S., R.12 & 11E., & T.10S., R.11E., U.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

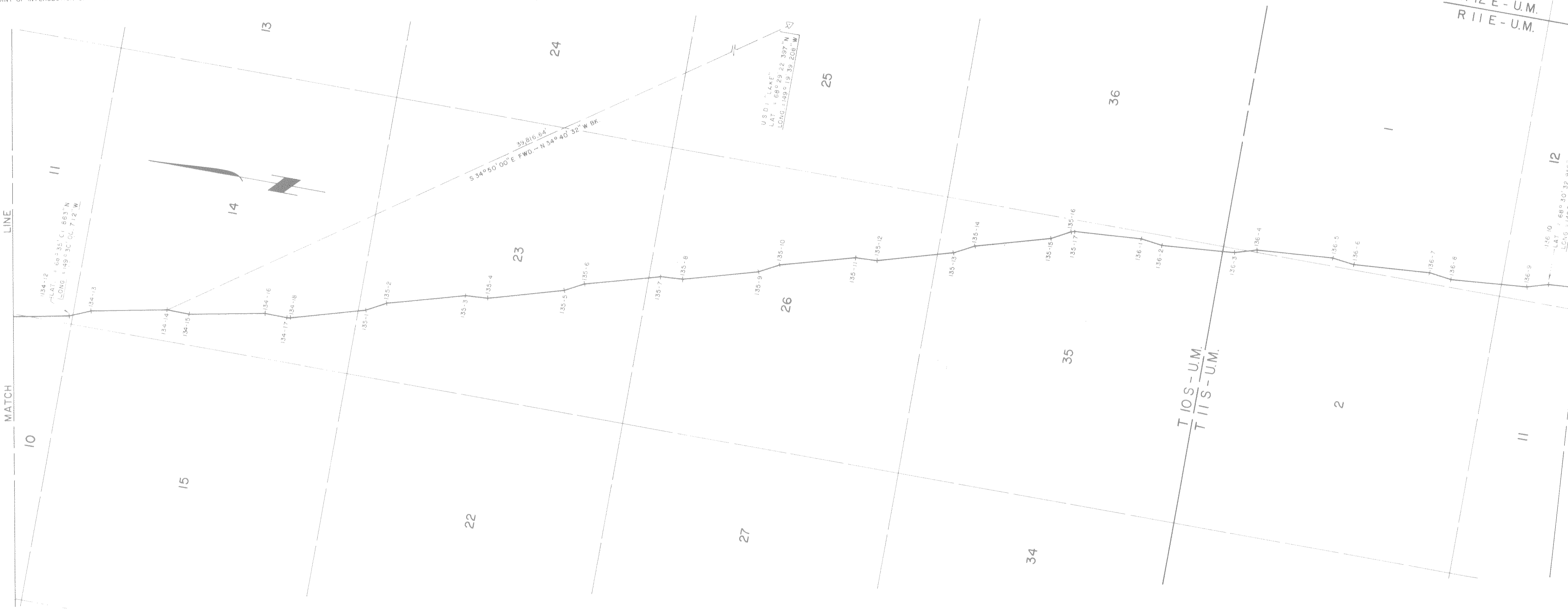
Approval Recommended: Name: [Signature] Title: Chief, Division of Cadastral Survey, Bureau of Land Management
 Approved: Name: [Signature] Title: Authorized Officer, NOV 1980
 File No: 102-2

AL-00-G101 SHEET 24 OF 143 ER-
 ALYESKA PIPELINE SERVICE CO., AGENT
 TRANS ALASKA PIPELINE SYSTEM
 PRUDHOE BAY TO VALDEZ
 48" OIL PIPELINE
 Approval Recommended: [Signature]
 Approval: G.C. Horle

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
134-11	S 11° 01' 59" E - 1437.73	135-1	S 28° 20' 24" E - 419.95	135-9	S 28° 19' 52" E - 419.44	135-17	S 04° 27' 52" E - 1254.50	136-8	S 04° 27' 47" E - 1436.55										
134-12	S 23° 32' 08" E - 420.26	135-2	S 15° 50' 08" E - 1488.64	135-10	S 15° 48' 57" E - 1436.46	136-1	S 08° 02' 44" W - 419.95	136-9	S 16° 57' 29" E - 420.19										
134-13	S 11° 02' 02" E - 1436.81	135-3	S 03° 19' 41" E - 420.13	135-11	S 03° 18' 46" E - 419.98	136-2	S 04° 28' 05" E - 1374.20	136-10	S 04° 27' 09" E - 1435.42										
134-14	S 01° 28' 11" W - 420.03	135-4	S 15° 49' 45" E - 1436.93	135-12	S 15° 48' 36" E - 1438.02	136-3	S 16° 55' 47" E - 420.00	136-11	S 04° 27' 43" E - 1436.40										
134-15	S 11° 02' 36" E - 1435.57	135-5	S 28° 20' 21" E - 419.95	135-13	S 28° 19' 48" E - 420.21	136-4	S 04° 27' 43" E - 1436.40												
134-16	S 01° 27' 40" W - 420.44	135-6	S 15° 49' 20" E - 1437.58	135-14	S 15° 48' 28" E - 1436.16	136-5	S 08° 03' 08" W - 419.46												
134-17	S 11° 02' 56" E - 59.85	135-7	S 03° 19' 27" E - 419.96	135-15	S 28° 19' 16" E - 419.49	136-6	S 04° 27' 37" E - 1436.75												
134-18	S 15° 49' 57" E - 1428.82	135-8	S 15° 49' 24" E - 1436.69	135-16	S 15° 51' 22" E - 59.81	136-7	S 08° 01' 25" W - 420.13												

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES

P1 - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE



81-1
RECORDED FILED
DATE 1-11-80
BY [Signature]
ADDRESS [Address]

81-1
RECORDED FILED
DATE 1-11-80
BY [Signature]
ADDRESS [Address]

81-1
RECORDED FILED
DATE 1-11-80
BY [Signature]
ADDRESS [Address]

81-1
RECORDED FILED
DATE 1-11-80
BY [Signature]
ADDRESS [Address]

81-1
Chitina
1-12
10:20 A
R.C.D.
Valley
1-12
10:10 A
R.C.D.

Date of Survey	Feb. 1977	Ending	Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic. No.	1637 S
Drawn by	C.F.G.	Approved	R.C.D.	Scale	1" = 1000'			
Description	A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.O.S., R.I.I.E., & T.I.I.S., R.I.I.E., U.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA				
Approval Recommended	Name: [Signature]			Title: Chief, Division of Cadastral Survey, Bureau of Land Management				
Approved	Name: [Signature]			Title: Authorized Officer				
File No.	102-2							

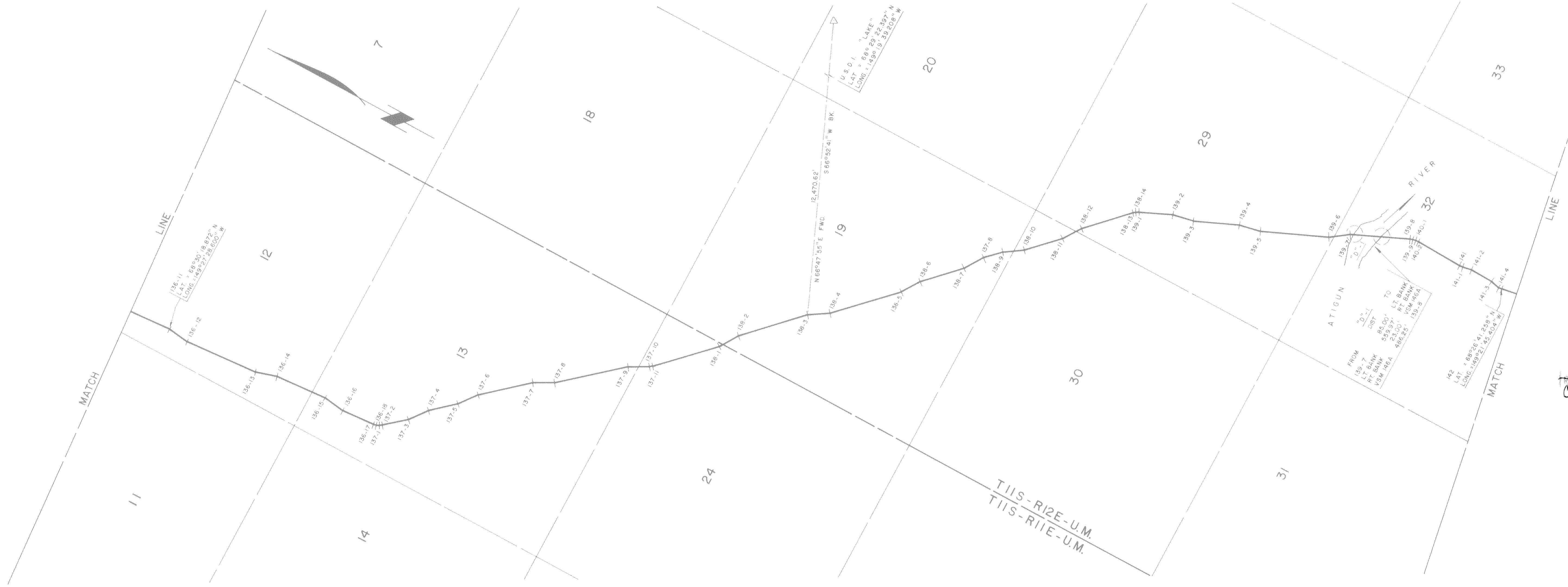
AL-00-G101 SHEET 25 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT	
TRANS ALASKA PIPELINE SYSTEM	
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	
Approval Recommended	[Signature]
Approval	R.C. Harbo

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE																																																																																																																																																																																																																																																																																																																																																		
	RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD	RADIUS	TANGENT	CHORD																																																																																																																																																																																																																																																																																																																																													
136-10	S 04°27'09" E	-	1435.42'	136-11	S 22°06'48" E	-	58.82'	136-12	S 40°41'51" E	-	1439.36'	136-13	S 39°40'21" E	-	60.30'	136-14	S 28°54'21" E	-	59.70'	136-15	S 57°31'33" E	-	420.04'	136-16	S 45°01'43" E	-	873.06'	136-17	S 57°24'52" E	-	420.19'	136-18	S 45°00'43" E	-	385.10'	136-19	S 32°36'27" E	-	419.92'	136-20	S 45°00'09" E	-	777.55'	136-21	S 57°30'09" E	-	420.25'	136-22	S 45°00'31" E	-	1017.56'	136-23	S 32°32'23" E	-	420.02'	136-24	S 45°02'15" E	-	1388.45'	136-25	S 53°12'55" E	-	419.79'	136-26	S 40°42'26" E	-	1076.49'	136-27	S 04°27'11" E	-	1013.95'	136-28	S 16°58'42" E	-	419.17'	136-29	S 04°27'12" E	-	1432.70'	136-30	S 08°03'59" W	-	418.65'	136-31	S 04°27'09" E	-	1435.42'	136-32	S 22°06'48" E	-	58.82'	136-33	S 40°41'51" E	-	1439.36'	136-34	S 39°40'21" E	-	60.30'	136-35	S 28°54'21" E	-	59.70'	136-36	S 57°31'33" E	-	420.04'	136-37	S 45°01'43" E	-	873.06'	136-38	S 57°24'52" E	-	420.19'	136-39	S 45°00'43" E	-	385.10'	136-40	S 32°36'27" E	-	419.92'	136-41	S 45°00'09" E	-	777.55'	136-42	S 57°30'09" E	-	420.25'	136-43	S 45°00'31" E	-	1017.56'	136-44	S 32°32'23" E	-	420.02'	136-45	S 45°02'15" E	-	1388.45'	136-46	S 53°12'55" E	-	419.79'	136-47	S 40°42'26" E	-	1076.49'	136-48	S 04°27'11" E	-	1013.95'	136-49	S 16°58'42" E	-	419.17'	136-50	S 04°27'12" E	-	1432.70'	136-51	S 08°03'59" W	-	418.65'	136-52	S 04°27'09" E	-	1435.42'	136-53	S 22°06'48" E	-	58.82'	136-54	S 40°41'51" E	-	1439.36'	136-55	S 39°40'21" E	-	60.30'	136-56	S 28°54'21" E	-	59.70'	136-57	S 57°31'33" E	-	420.04'	136-58	S 45°01'43" E	-	873.06'	136-59	S 57°24'52" E	-	420.19'	136-60	S 45°00'43" E	-	385.10'	136-61	S 32°36'27" E	-	419.92'	136-62	S 45°00'09" E	-	777.55'	136-63	S 57°30'09" E	-	420.25'	136-64	S 45°00'31" E	-	1017.56'	136-65	S 32°32'23" E	-	420.02'	136-66	S 45°02'15" E	-	1388.45'	136-67	S 53°12'55" E	-	419.79'	136-68	S 40°42'26" E	-	1076.49'	136-69	S 04°27'11" E	-	1013.95'	136-70	S 16°58'42" E	-	419.17'	136-71	S 04°27'12" E	-	1432.70'	136-72	S 08°03'59" W	-	418.65'	136-73	S 04°27'09" E	-	1435.42'	136-74	S 22°06'48" E	-	58.82'	136-75	S 40°41'51" E	-	1439.36'	136-76	S 39°40'21" E	-	60.30'	136-77	S 28°54'21" E	-	59.70'	136-78	S 57°31'33" E	-	420.04'	136-79	S 45°01'43" E	-	873.06'	136-80	S 57°24'52" E	-	420.19'	136-81	S 45°00'43" E	-	385.10'	136-82	S 32°36'27" E	-	419.92'	136-83	S 45°00'09" E	-	777.55'	136-84	S 57°30'09" E	-	420.25'	136-85	S 45°00'31" E	-	1017.56'	136-86	S 32°32'23" E	-	420.02'	136-87	S 45°02'15" E	-	1388.45'	136-88	S 53°12'55" E	-	419.79'	136-89	S 40°42'26" E	-	1076.49'	136-90	S 04°27'11" E	-	1013.95'	136-91	S 16°58'42" E	-	419.17'	136-92	S 04°27'12" E	-	1432.70'	136-93	S 08°03'59" W	-	418.65'	136-94	S 04°27'09" E	-	1435.42'	136-95	S 22°06'48" E	-	58.82'	136-96	S 40°41'51" E	-	1439.36'	136-97	S 39°40'21" E	-	60.30'	136-98	S 28°54'21" E	-	59.70'	136-99	S 57°31'33" E	-	420.04'	136-100	S 45°01'43" E	-	873.06'

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina 80.15
 1-12 81
 10:20 A
Valdez 80.15
 1-12 81
 10:10 A

AL-00-GIOI SHEET 26 OF 143 ER-

ALYESKA PIPELINE SERVICE CO, AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended <i>[Signature]</i>
Approval <i>[Signature]</i>

Date of Survey: Beginning Feb., 1977 Ending Oct., 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. & F.M. LINDSEY & ASSOC. RICHARD C. DAVIS	Lic. No. 1637-S
Drawn by: C.J.R.	Approved: R.C.D.	Scale: 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.IIS., R.IIE., & T.IIS., R.I2E., U.M., ALASKA		
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended Name: Title: Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended Name: <i>[Signature]</i> Title: Chief Cadastral Surveyor	
Approved Name: <i>[Signature]</i> Title: Authorized Officer	Approved Name: Title: Authorized Officer	
File No.	File No. 102-3	

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE										
	RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD
142	S 10°57'36"E	-	655.60'	143-3	S 08°02'32"E	-	59.79'	145-1	S 11°27'18"W	-	179.99'	146-4	S 08°30'51"E	-	424.50'	147-7	S 23°40'36"E	-	1497.33'	148-3	S 00°31'18"E	-	59.91'	150-1	S 14°31'35"W	-	650.30'	150-9	S 14°34'42"W	-	1019.51'				
142-1	S 01°32'24"W	-	420.23'	144-1	S 20°29'33"E	-	180.16'	145-2	S 00°48'19"E	-	185.05'	146-0	S 16°18'17"E	-	59.60'	147-8	S 11°16'32"E	-	419.93'	149-1	S 13°05'01"E	-	420.08'	150-2	S 27°00'58"W	-	420.17'	150-10	S 07°30'08"W	-	60.25'				
142-2	S 10°57'24"E	-	896.87'	144-2	S 08°00'51"E	-	371.18'	145-3	S 13°03'36"E	-	180.22'	146-1	S 23°22'06"E	-	60.24'	147-9	S 23°39'03"E	-	1497.55'	149-2	S 00°35'34"E	-	536.68'	150-3	S 14°34'34"W	-	469.28'	150-11	S 02°22'32"E	-	60.11'				
142-3	S 23°26'50"E	-	420.32'	144-3	S 04°14'56"W	-	180.25'	145-4	S 00°51'04"E	-	930.19'	146-2	S 23°22'06"E	-	60.24'	147-10	S 11°10'12"E	-	420.19'	149-3	S 11°52'45"W	-	420.04'	150-4	S 02°04'16"W	-	420.36'	151-1	S 14°25'11"E	-	59.86'				
142-4	S 10°57'13"E	-	59.89'	144-4	S 07°53'55"E	-	370.02'	145-5	S 08°30'46"E	-	1975.81'	146-3	S 23°40'44"E	-	1318.70'	147-11	S 23°41'03"E	-	1310.97'	149-4	S 00°34'54"E	-	1015.93'	150-5	S 14°30'39"W	-	778.35'	151-2	S 20°43'32"E	-	778.47'				
143	S 03°21'47"E	-	705.54'	144-5	S 20°26'45"E	-	180.12'	145-6	S 21°01'26"E	-	179.56'	146-4	S 11°11'21"E	-	419.94'	147-12	S 16°49'46"E	-	59.38'	149-5	S 13°05'46"E	-	420.03'	150-6	S 02°16'48"W	-	180.07'	151-3	S 20°43'32"E	-	778.47'				
143-1	S 08°53'30"W	-	180.22'	144-6	S 07°56'21"E	-	60.00'	145-7	S 08°03'42"E	-	65.34'	146-5	S 23°40'49"E	-	1439.64'	147-13	S 06°42'24"E	-	59.32'	149-6	S 00°31'53"E	-	59.87'	150-7	S 14°28'01"W	-	239.55'	151-4	S 33°14'39"E	-	420.82'				
143-2	S 03°16'45"E	-	404.70'	145	S 00°42'41"E	-	241.64'	146-6	S 03°56'09"W	-	178.60'	147-4	S 36°10'03"E	-	420.38'	148-1	S 00°31'00"E	-	772.97'	149-7	S 07°06'34"W	-	60.01'	150-8	S 27°02'49"W	-	180.36'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 APPROVED - FILED
 RICHARD C. DAVIS
 Chief, Division of Cadastral Survey
 Bureau of Land Management
 NOV 5 1980

81-1
 APPROVED - FILED
 RICHARD C. DAVIS
 Chief, Division of Cadastral Survey
 Bureau of Land Management
 NOV 5 1980

81-1
 APPROVED - FILED
 RICHARD C. DAVIS
 Chief, Division of Cadastral Survey
 Bureau of Land Management
 NOV 5 1980

81-1
 Chitina
 1-12 81
 10:20 A
 RJD/DK
 Valdez
 1-12 81
 10:10 A
 RJD/DK
 Valdez
 1-12 81

Date of Survey	Name of Surveyor		Name of Surveyor	
Beginning <u>Feb., 1977</u>	Ending <u>Oct., 1980</u>	RICHARD C. DAVIS		Lic. No. <u>1637-S</u>
Drawn by <u>C.J.R.</u>	Approved <u>R.C.D.</u>	Scale		1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE				
WITHIN				
T.11S, R.12E., & T.12S, R.12E., U.M, ALASKA				
UNITED STATES		STATE OF ALASKA		
DEPARTMENT OF THE INTERIOR		DEPARTMENT OF NATURAL RESOURCES		
		ANCHORAGE, ALASKA		
Approval Recommended	Name <u>R. C. Davis</u>		Title <u>Chief, Division of Cadastral Survey</u>	
Approval Recommended <u>M. Smith</u>	Name <u>G. S. Kroll</u>		Title <u>Authorized Officer</u>	
Approval Recommended <u>J.C. Harle</u>	Name <u>J.C. Harle</u>		Title <u>Authorized Officer</u>	
No. DATE	REVISION	BY	CHKD	APP
File No. 102-3		File No. 102-3		

POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE
	RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT
151-3	S 33° 14' 39" E	420.82'	152-1	S 04° 47' 52" W	59.98'	153-2	S 39° 48' 39" W	419.89'	154-2	S 01° 13' 44" W	420.85'	155-4	S 11° 18' 59" E	236.34'	156-2	S 20° 02' 57" W	1330.47'	157-5	S 03° 44' 20" E	420.14'
151-4	S 20° 43' 06" E	598.03'	152-2	S 09° 46' 12" W	666.54'	153-3	S 27° 17' 10" W	1502.20'	154-3	S 13° 34' 33" W	1465.31'	155-5	S 01° 10' 06" W	179.74'	156-3	S 32° 33' 15" W	420.15'	157-6	S 08° 45' 29" W	905.08'
151-5	S 08° 12' 34" E	420.17'	152-3	S 22° 14' 09" W	420.08'	153-4	S 14° 53' 02" W	419.53'	154-4	S 26° 07' 52" W	419.95'	155-6	S 11° 20' 30" E	477.90'	156-4	S 20° 02' 28" W	1270.30'	157-7	S 21° 16' 00" W	420.18'
151-6	S 20° 41' 59" E	595.59'	152-4	S 09° 47' 18" W	665.65'	153-5	S 27° 15' 18" W	1383.04'	154-5	S 13° 36' 15" W	1464.06'	155-7	S 23° 49' 55" E	420.13'	156-5	S 08° 43' 07" W	59.84'	157-8	S 08° 44' 56" W	659.50'
151-7	S 33° 12' 39" E	420.16'	152-5	S 02° 43' 29" E	419.80'	153-6	S 39° 47' 36" W	419.92'	154-6	S 07° 29' 45" W	59.99'	155-8	S 11° 20' 05" E	959.51'	156-6	S 03° 43' 33" E	420.24'	157-9	S 03° 43' 50" E	180.29'
151-8	S 20° 45' 37" E	715.96'	152-6	S 09° 46' 31" W	1076.68'	153-7	S 27° 16' 23" W	1080.80'	154-7	S 04° 40' 44" E	60.20'	155-9	S 06° 15' 15" E	59.77'	156-7	S 08° 45' 49" W	1463.47'	157-10	S 08° 46' 40" W	239.68'
151-9	S 14° 58' 34" E	60.15'	152-7	S 18° 30' 31" W	60.06'	153-8	S 20° 43' 29" W	60.02'	154-8	S 11° 24' 37" E	954.20'	155-10	S 03° 59' 58" W	61.85'	156-8	S 21° 15' 31" W	419.83'	157-11	S 21° 15' 23" W	180.19'
151-10	S 05° 28' 40" E	59.97'	153-1	S 27° 17' 37" W	59.69'	154-1	S 13° 34' 17" W	60.10'	155-3	S 23° 36' 30" E	180.16'	156-1	S 15° 42' 09" W	58.52'	157-12	S 08° 45' 40" W	1232.14'			

PI- POINT OF INTERSECTION OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 P.M.
Requested by: ASPLMS

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 P.M.
Requested by: ASPLMS

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A
Requested by: ASPLMS

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 A
Requested by: ASPLMS

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A
Requested by: ASPLMS

Date of Survey	Beginning Feb., 1977	Ending Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC
Drawn by	C.F.G.	Approved	R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.12 S., R.12 E., & T.13 S., R.12 E., U.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name	Approval Recommended	Name	
	Chief, Division of Cadastral Survey Bureau of Land Management		Chief Cadastral Surveyor	
Approved	Name	Approved	Name	
	Acting Authorized Officer		Authorized Officer	
File No.		File No.	102-3	

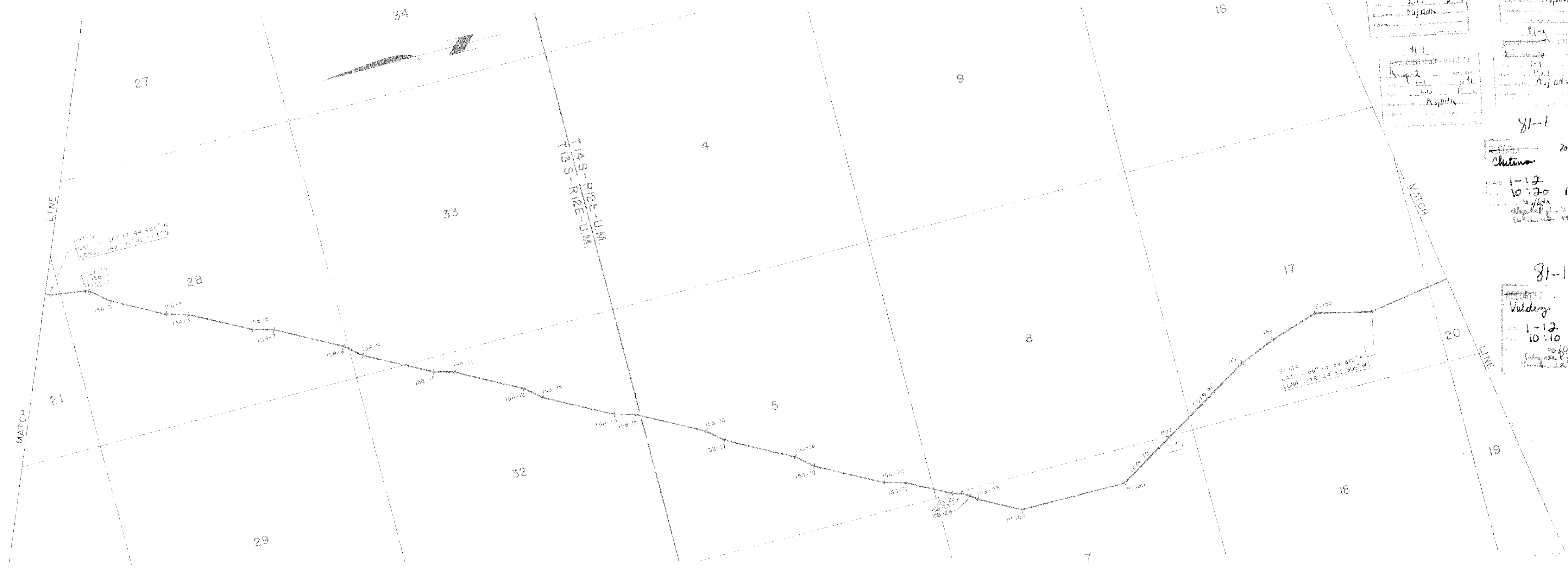
AL-00-G101 SHEET 28 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended
Approval

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD
157-11	S 21° 15' 23" W - 180.19'	158-6	S 15° 25' 04" W - 419.98'	158-14	S 15° 24' 12" W - 419.84'	158-22	S 15° 36' 46" W - 179.85'	PI 163	451.45' 120.48' 232.81'										
157-12	S 08° 43' 35" W - 712.86'	158-7	S 27° 56' 14" W - 1439.40'	158-15	S 27° 52' 53" W - 1439.91'	158-23	S 27° 52' 05" W - 179.88'	PI 164	S 12° 29' 02" W - 1087.38' 420.75' 79.26' 155.77'										
157-13	S 18° 22' 06" W - 59.68'	158-8	S 40° 13' 04" W - 419.83'	158-16	S 40° 22' 57" W - 420.18'	158-24	S 40° 17' 43" W - 180.10'	PI 165	S 08° 51' 06" E - 2493.01'										
158-1	S 28° 16' 14" W - 60.26'	158-9	S 27° 56' 15" W - 1439.20'	158-17	S 27° 52' 49" W - 1439.52'	158-25	S 27° 55' 44" W - 905.61'												
158-2	S 40° 24' 38" W - 419.94'	158-10	S 15° 22' 46" W - 419.98'	158-18	S 40° 16' 33" W - 420.10'	PI 159	199.97' 49.35' 95.82' S 00° 12' 03" W - 2107.44'												
158-3	S 27° 55' 04" W - 1144.25'	158-11	S 27° 54' 17" W - 1439.48'	158-19	S 27° 53' 58" W - 1437.90'	PI 160	311.56' 85.43' 164.77' S 30° 27' 38" E - 3356.53'												
158-4	S 15° 25' 18" W - 419.98'	158-12	S 40° 22' 29" W - 420.01'	158-20	S 15° 21' 07" W - 419.71'	161	S 22° 12' 48" E - 772.48'												
158-5	S 27° 55' 17" W - 1323.89'	158-13	S 27° 53' 39" W - 1438.96'	158-21	S 27° 49' 26" W - 959.74'	162	S 17° 24' 05" E - 1012.33'												

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1 RECORDS FILED
DATE: 1-12-81
BY: R.C.D.
APPROVED BY: R.C.D.

81-1 RECORDS FILED
DATE: 1-12-81
BY: R.C.D.
APPROVED BY: R.C.D.

81-1 RECORDS FILED
DATE: 1-12-81
BY: R.C.D.
APPROVED BY: R.C.D.

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APPROVED BY: R.C.D.

81-1 RECORDS FILED
DATE: 1-12-81
BY: R.C.D.
APPROVED BY: R.C.D.

Date of Survey	Beginning Feb. 1977	Ending Oct. 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. & ASSOC. RICHARD C. DAVIS	Lic. No.	1637-S
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.13S., R.12E., & T.14S., R.12E., U.M., ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended			Approval Recommended			
Name: <i>[Signature]</i>			Name: <i>[Signature]</i> 1/12/81			
Title: Chief, Division of Cadastral Survey Bureau of Land Management			Title: Chief Cadastral Surveyor			
Approved			Approved			
Name: <i>[Signature]</i>			Name: <i>[Signature]</i>			
Title: Acting Authorized Officer			Title: Authorized Officer			
File No.			File No. 102-3			

AL-00-GIOI SHEET 29 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT	
TRANS ALASKA PIPELINE SYSTEM	
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	
Approval Recommended	<i>[Signature]</i>
Approval	<i>[Signature]</i>

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
164	S 08° 51' 06" E - 2493.61'	174 I	S 29° 41' 33" W - 1197.08'	174	S 14° 40' 11" W - 377.39'														
PI 165	416.01' 86.51' 169.39' S 32° 20' 31" E - 1984.82'	174 H	S 27° 20' 08" W - 998.05'	PI 183 H	338.45' 70.67' 139.36' S 08° 55' 11" E - 554.99'														
174 O	S 44° 24' 43" E - 2042.20'	174 G	S 19° 31' 15" W - 178.36'	PI 183 G	272.45' 53.48' 104.96' S 13° 17' 32" W - 949.30'														
PI 174 N	303.27' 99.16' 188.50' S 08° 11' 35" E - 1872.22'	174 F	S 11° 21' 12" W - 555.35'	183 F	S 12° 07' 15" W - 782.97'														
174 M	S 07° 12' 29" W - 1329.82'	174 E	S 20° 21' 02" W - 498.73'	183 E	S 16° 33' 37" W - 889.51'														
174 L	S 21° 16' 43" W - 3402.92'	174 D	S 13° 16' 48" W - 5820.49'	183 D															
174 K	S 29° 43' 25" W - 1044.56'	174 B	S 01° 05' 34" W - 2882.44'																
174 J	S 33° 31' 21" W - 602.75'	PI 174 A	233.84' 53.31' 103.95' S 26° 46' 33" W - 1480.58'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-81
BY: RJD/DAK

81-1
RECORDED - FILED
DATE: 1-11-81
BY: RJD/DAK

81-1
RECORDED - FILED
DATE: 1-11-81
BY: RJD/DAK

81-1
RECORDED - FILED
DATE: 1-11-81
BY: RJD/DAK

81-1
201.15
Chitina
1-12 81
10:20 A
RJD/DAK
attached to a similar
work sheet 41504

81-1
201.15
Valdez
1-12 81
10:10 A
RJD/DAK
attached to a similar
work sheet 41504

Date of Survey	Feb. 1977	Ending	Oct. 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 14S., R. 12E., & T. 15S., R. 12E., U.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended			Approval Recommended		
Name: <i>[Signature]</i>			Name: <i>[Signature]</i> 11/12/80		
Title: Chief, Division of Cadastral Survey Bureau of Land Management NOV 81			Title: Chief Cadastral Surveyor		
Approval			Approval		
Name: <i>[Signature]</i>			Name: <i>[Signature]</i>		
Title: <i>[Signature]</i> Authorized Officer NOV 5 1981			Title: Authorized Officer		
File No.			File No. 102-3		

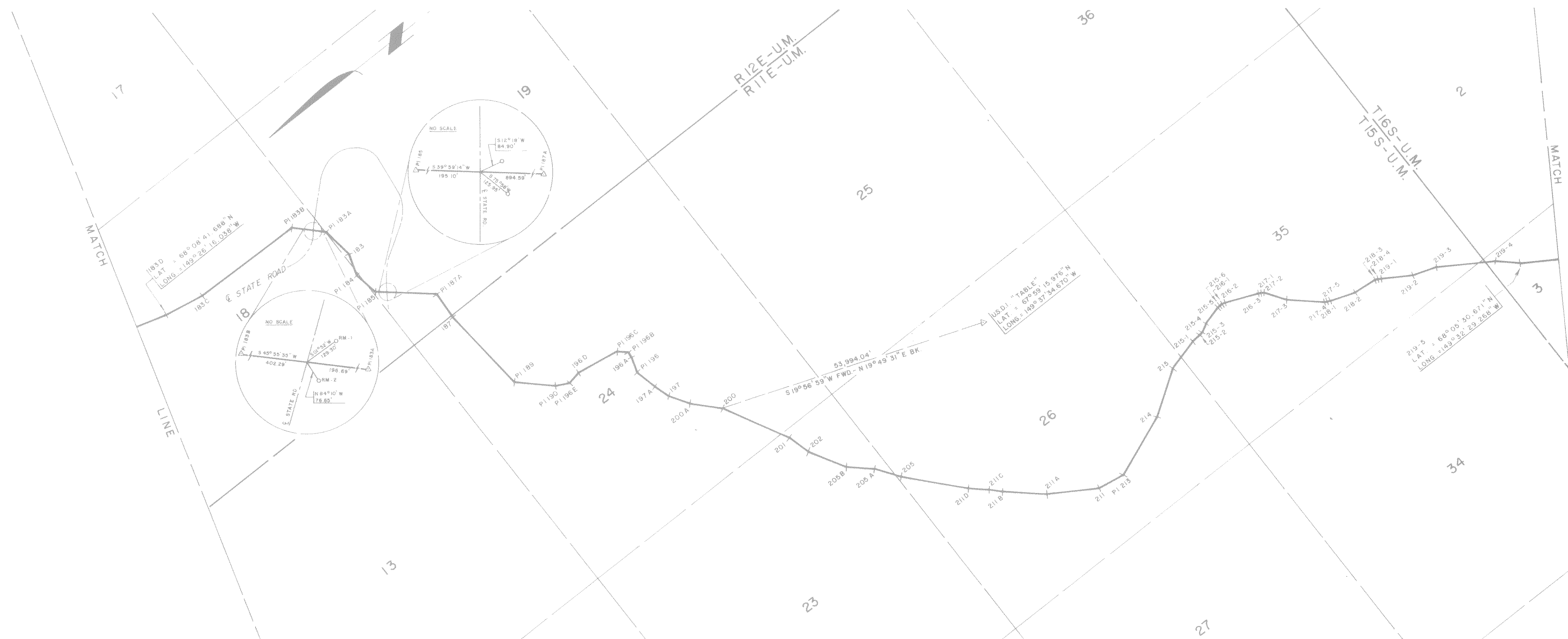
AL-00-GIOI SHEET 30 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				
Approval Recommended <i>[Signature]</i>				
Approval: <i>[Signature]</i>				

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
183E	S 16°53'37"W - 889.51'	PI 187 A	N 85°22'05"W - 510.57'	196 A	N 70°44'14"W - 277.25'	205 B	S 42°19'08"W - 494.34'	PI 213	S 21°22'14"E - 1167.30'	215 - 6	S 03°28'47"W - 56.47'	217 - 5	S 20°03'14"W - 56.61'	219 - 4	S 44°31'34"W - 419.92'				
183D	S 10°52'38"W - 719.34'	187	S 84°39'28"W - 1679.76'	PI 196	N 70°44'14"W - 277.25'	205 A	S 55°00'34"W - 499.64'	214	S 14°06'04"E - 884.85'	216 - 1	S 15°52'19"W - 56.62'	218 - 1	S 19°18'10"W - 461.82'	219 - 5	S 32°00'46"W - 840.79'				
183C	S 01°04'00"W - 2010.90'	PI 189	S 84°39'28"W - 1679.76'	197 A	S 76°44'42"W - 407.23'	205	S 47°24'24"W - 1212.13'	215	S 14°56'04"E - 683.07'	216 - 2	S 22°00'54"W - 604.19'	218 - 2	S 06°43'39"W - 419.35'	219 - 6					
PI 183 B	205.25' 84.73' 156.63'	PI 190	S 06°59'59"W - 240.15'	197	S 75°57'06"W - 298.08'	211 D	S 47°24'24"W - 1212.13'	215-1	S 14°56'04"E - 683.07'	216 - 3	S 31°51'13"W - 53.78'	218 - 3	S 19°51'57"W - 60.08'						
PI 183 A	310.91' 102.31' 194.36'	PI 196 E	S 27°59'22"W - 240.15'	200 A	S 57°44'23"W - 401.98'	211 C	S 41°11'34"W - 358.17'	215-2	S 02°29'54"E - 179.73'	217 - 1	S 15°02'23"E - 52.49'	218 - 4	S 25°19'40"W - 59.97'						
183	S 82°21'05"W - 562.03'	196 D	S 10°30'26"E - 232.98'	200	S 45°05'15"W - 594.19'	211 B	S 48°17'41"W - 246.07'	215-3	S 15°02'23"E - 52.49'	217 - 2	S 42°09'51"W - 53.47'	219 - 1	S 32°02'56"W - 549.62'						
PI 184	206.59' 53.44' 103.47'	PI 196 C	S 08°40'38"W - 780.23'	201	S 62°18'26"W - 1297.20'	211 A	S 41°03'11"W - 798.34'	215-4	S 27°29'10"E - 180.43'	217 - 3	S 54°29'00"W - 419.38'	219 - 2	S 19°51'53"W - 419.62'						
PI 185	113.48' 40.47' 76.23'	PI 196 B	S 39°49'24"W - 197.10'	202	S 75°57'09"W - 397.71'	211	S 32°03'43"W - 928.58'	215-5	S 14°59'32"E - 333.71'	217 - 4	S 42°02'29"W - 662.14'	219 - 3	S 32°01'33"W - 1069.10'						
	S 39°59'14"W - 1089.69'		N 89°31'14"W - 117.95'		S 59°57'16"W - 743.19'		S 09°15'02"W - 504.13'		S 08°49'43"E - 56.42'		S 36°18'31"W - 56.34'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-1-81
 TIME: 10:20 A
 REQUESTED BY: R. J. DAVIS
 ADDRESS: ...

RECORDED - FILED
 DATE: 1-1-81
 TIME: 10:20 A
 REQUESTED BY: R. J. DAVIS
 ADDRESS: ...

RECORDED - FILED
 DATE: 1-1-81
 TIME: 10:20 A
 REQUESTED BY: R. J. DAVIS
 ADDRESS: ...

81-1
 Christina
 1-12 81
 10:20 A
 R. J. DAVIS
 Valdez Dept of Natural Resources
 1104

81-1
 Valdey
 1-12 81
 10:10 A
 R. J. DAVIS
 Valdez Dept of Natural Resources
 1104

AL-00-G101 SHEET 31 OF 143 ER-

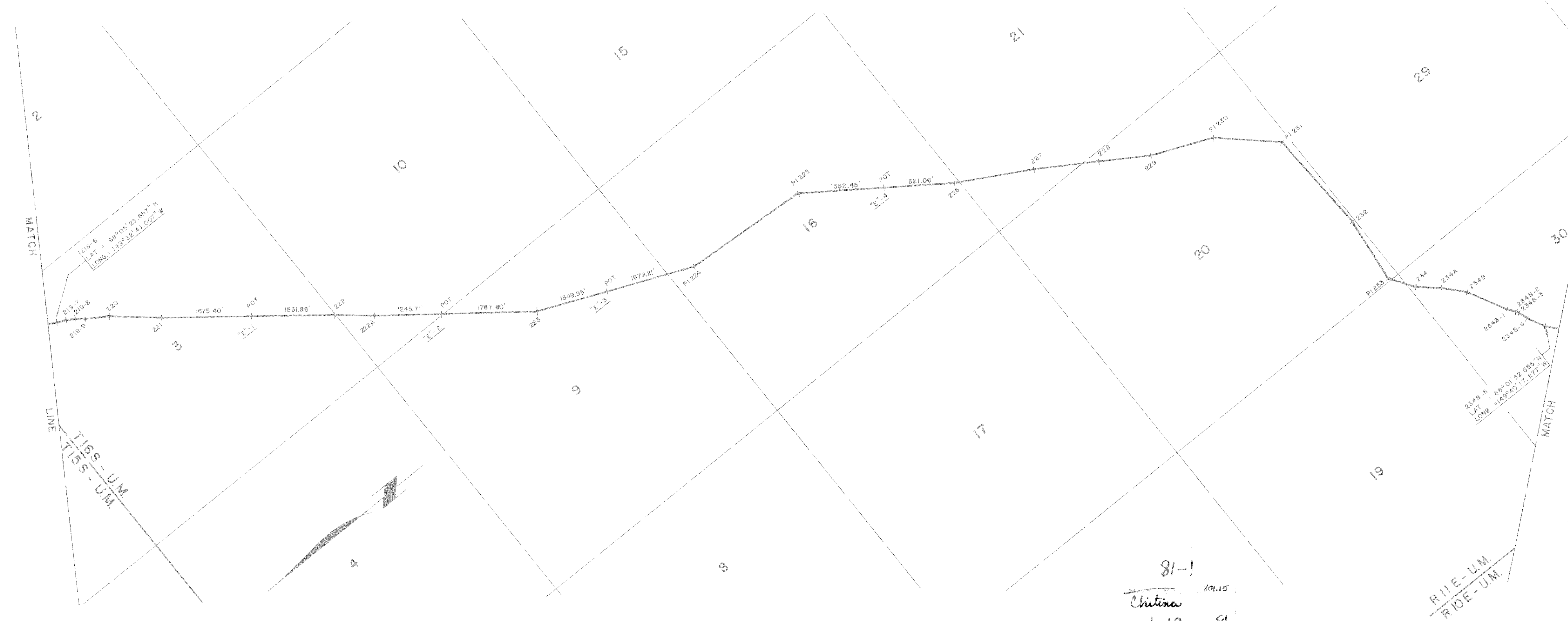
ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>[Signature]</i>		
Name	A. D. A.		
Title	Chief, Division of Cadastral Survey Bureau of Land Management NOV '81		
Approved	<i>[Signature]</i>		
Name	A. D. A.		
Title	Authorized Officer NOV. 5 1980		
Approval	<i>[Signature]</i>		
Name	A. D. A.		
Title	Authorized Officer		

Date of Survey	Beginning	Ending	Name of Surveyor	OCEAN TECHNOLOGY LTD DBA FM LINDSEY & ASSOC.
Feb. 1977	Oct. 1980		RICHARD C. DAVIS	Lic. No. 1637-S
Drawn by	A. D. A.	Approved	R. C. D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.15S, R.12 & 11E., & T.16S, R. 11E., U.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	<i>[Signature]</i>			Approval Recommended
Name	A. D. A.			Name
Title	Chief, Division of Cadastral Survey Bureau of Land Management NOV '81			Title
Approved	<i>[Signature]</i>			Approved
Name	A. D. A.			Name
Title	Authorized Officer NOV. 5 1980			Title
File No.				File No. 102-3

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
219-5	S 32°00'46" W - 840.79'	222A	S 37°15'18" W - 3033.51'	P1230	S 36°86' 93.03' 183.31'	234B-2	S 82°41'04" W - 60.31'										
219-6	S 19°30'31" W - 179.90'	223	S 22°54'49" W - 3029.16'	P1231	S 42°28' 40" W - 1286.81'	234B-3	S 74°53'45" W - 180.23'										
219-7	S 32°01'51" W - 179.17'	P1224	S 22°54' 42.65' 71.47' 140.93'	232	N 83°51'20" W - 1233.11'	234B-4	S 62°27'52" W - 359.99'										
219-8	S 44°29'40" W - 180.28'	P1225	S 03°42'48" W - 2367.88'	P1233	26.0.04' 92.02' 173.49'	234B-5	S 60°00'27" W - 420.23'										
219-9	S 32°01'55" W - 451.18'	226	S 29°08'20" W - 1498.33'	234	S 41°47'17" W - 471.87'	234B-6											
220	S 40°49'05" W - 964.85'	227	S 32°04'40" W - 1213.37'	234A	S 47°05'27" W - 485.24'												
221	S 37°51'38" W - 3207.26'	228	S 32°31'05" W - 982.80'	234B	S 62°24'49" W - 803.20'												
222	S 40°17'00" W - 725.99'	229	S 22°49'17" W - 1204.92'	234B-1	S 50°00'03" W - 180.00'												

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
Date: 1-11-81
Title: 213
Requestor: B/D/S

RECORDED - FILED
Date: 1-11-81
Title: 213
Requestor: B/D/S

RECORDED - FILED
Date: 1-11-81
Title: 213
Requestor: B/D/S

RECORDED - FILED
Date: 1-11-81
Title: 213
Requestor: B/D/S

81-1
Christina
1-12-81
10:20 A

81-1
Valdez
1-12-81
10:10 A

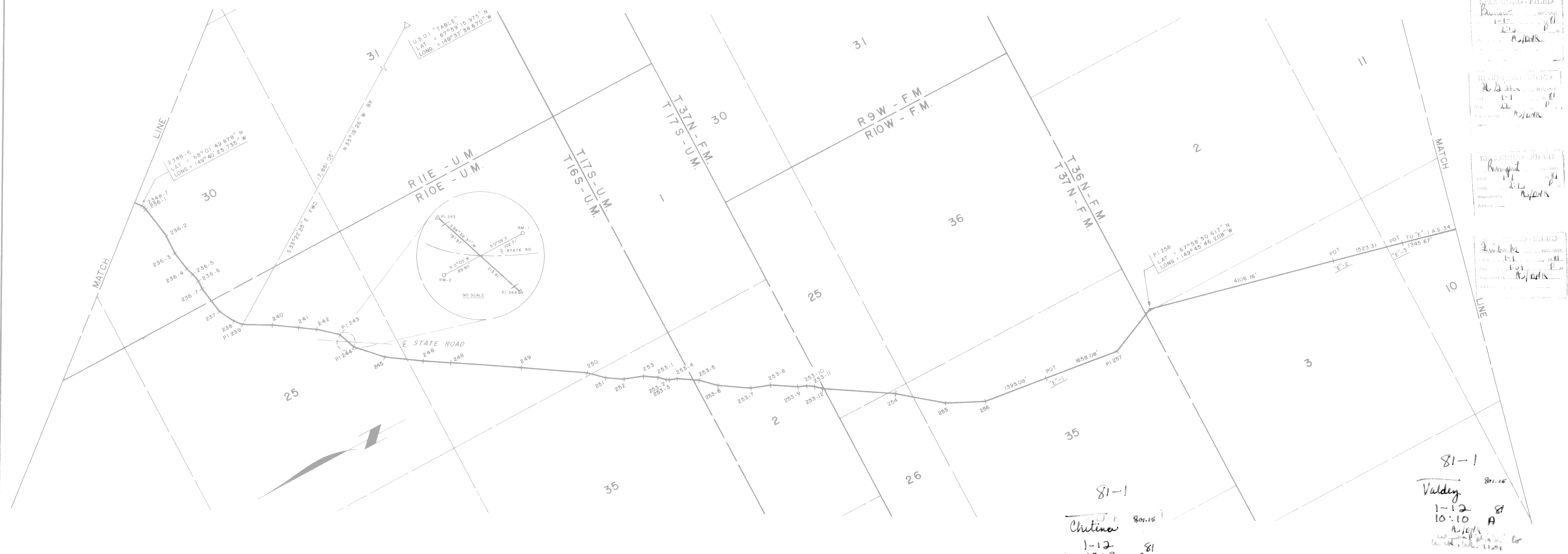
Date of Survey	Beginning Feb., 1977	Ending Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic. No.	1637-S
Drawn by	R.H.M.	Approved	R.C.D.	Scale	1" = 1000'		
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.16 S., R.II E., U.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended Name: <i>Richard C. Davis</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management, NDV, FBI				Approval Recommended Name: <i>Richard C. Davis</i> Title: Chief Cadastral Surveyor			
Approval Name: <i>William H. Kohl</i> Title: Acting Authorized Officer NDV, 5-1980				Approval Name: <i>Richard C. Davis</i> Title: Authorized Officer			
File No.				File No. 102-3			

AL-00-GIOI SHEET 32 OF 143					ER-						
ALYESKA PIPELINE SERVICE CO., AGENT					ALYESKA PIPELINE SERVICE CO., AGENT						
TRANS ALASKA PIPELINE SYSTEM					TRANS ALASKA PIPELINE SYSTEM						
PRUDHOE BAY TO VALDEZ					PRUDHOE BAY TO VALDEZ						
48" OIL PIPELINE					48" OIL PIPELINE						
Approval Recommended <i>M. J. Smith</i>					Approval Recommended <i>M. J. Smith</i>						
Approval <i>J.C. Harle</i>					Approval <i>J.C. Harle</i>						
No.	DATE	REVISION	BY	CHKD	APP	No.	DATE	REVISION	BY	CHKD	APP

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
2348-5	S 50°00'27"W - 420.23'	236-6	N 86°30'20"W - 179.82'	PI 243	S 53°00'04"E - 124.48'	232	S 19°18'33"W - 419.42'	253-7	S 19°17'08"W - 418.55'	256	S 07°14'54"W - 3061.17'								
2348-6	S 62°35'51"W - 60.04'	236-7	S 80°23'47"W - 638.53'	PI 244	S 46°16'49"W - 705.11'	253	S 31°47'41"W - 324.93'	253-8	S 31°49'36"W - 599.72'	PI 257	S 25°34'04"E - 123.70'								
2348-7	S 71°14'43"W - 59.91'	237	S 61°52'41"W - 381.10'	245	S 33°37'21"W - 844.69'	253-1	S 44°21'32"W - 180.34'	253-9	S 19°20'02"W - 180.69'	PI 258	S 24°36'47"E - 1162.89'								
236-1	S 80°31'47"W - 725.31'	238	S 51°49'48"W - 193.58'	246	S 31°49'26"W - 595.34'	253-2	S 44°41'05"W - 58.82'	253-10	S 31°51'31"W - 179.56'	259	S 13°24'27"W - 9097.27'								
236-2	N 86°58'45"W - 420.65'	PI 239	S 28°10'52"W - 651.87'	248	S 32°05'37"W - 1529.46'	253-3	S 19°36'27"W - 180.94'	253-11	S 44°16'15"W - 180.38'										
236-3	S 80°31'55"W - 425.90'	240	S 34°22'02"W - 565.32'	249	S 31°50'39"W - 1426.27'	253-4	S 44°19'43"W - 420.27'	253-12	S 31°44'49"W - 1584.44'										
236-4	S 68°02'46"W - 179.86'	241	S 31°21'33"W - 397.14'	250	S 44°18'56"W - 419.98'	253-5	S 44°19'43"W - 420.27'	254	S 38°26'02"W - 1107.34'										
236-5	S 80°28'12"W - 179.66'	242	S 41°16'11"W - 519.58'	251	S 31°52'33"W - 396.49'	253-6	S 31°50'01"W - 719.48'	255	S 25°36'54"W - 865.14'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



REVISIONS

NO.	DATE	BY	DESCRIPTION
1	1-12-81	A.J. JONES	...
2	1-12-81	A.J. JONES	...
3	1-12-81	A.J. JONES	...
4	1-12-81	A.J. JONES	...

81-1
Valdey
1-12-81
10:10 A
A.J. JONES
11/2/80

AL-00-GIOI SHEET 33 OF 143 ER-

APPROVAL	DATE	REVISION	BY	CHKD	APP
ALYESKA PIPELINE SERVICE CO., AGENT TRANS ALASKA PIPELINE SYSTEM PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE					
Approval Recommended	[Signature]				
Approval	[Signature]				

Date of Survey	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.		
Beginning Feb. 1977	Ending Oct. 1980	RICHARD C. DAVIS	Lic. No. 1637-S
Drawn by R.H.M.	Approved R.C.D.	Scale	1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.16S., R.11E & T.16S., R.10E & T.17S., R.10E, U.M. ALASKA T.37 N., R.10W. & T.36 N., R.10W. F.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	[Signature]		Approval Recommended
Name	[Signature]		Name
Title	Chief, Division of Cadastral Survey Bureau of Land Management		Title
Approved	[Signature]		Approved
Name	[Signature]		Name
Title	Acting Authorized Officer NOV. 5 1980		Title
File No.			File No. 102-3

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
258	S 13°24'27"W - 9097.27'	265	S 03°03'34"E - 1859.46'														
259	S 15°59'05"W - 2439.29'	266	S 05°04'41"W - 3652.53'														
260	S 34°20'21"W - 3917.56'	267	S 00°50'28"W - 613.87'														
261	S 56°37'26"W - 2147.81'	268	S 04°42'06"W - 12,296.37'														
262	S 44°51'36"W - 1956.01'	269															
PI 262A	285.80' 59.85' 117.16'																
PI 263	415.25' 120.03' 230.62'																
264	S 11°02'43"E - 5225.46'																
	S 05°05'55"E - 3749.81'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Christina
1-12 81
10:30 A
801.15
Valdez
1-12 81
10:10 A
801.15

81-1
RECORDED - FILED
1-12 81
10:30 A
RECORDED - FILED
1-12 81
10:10 A

AL-00-GIOI SHEET 34 OF 143

ER-

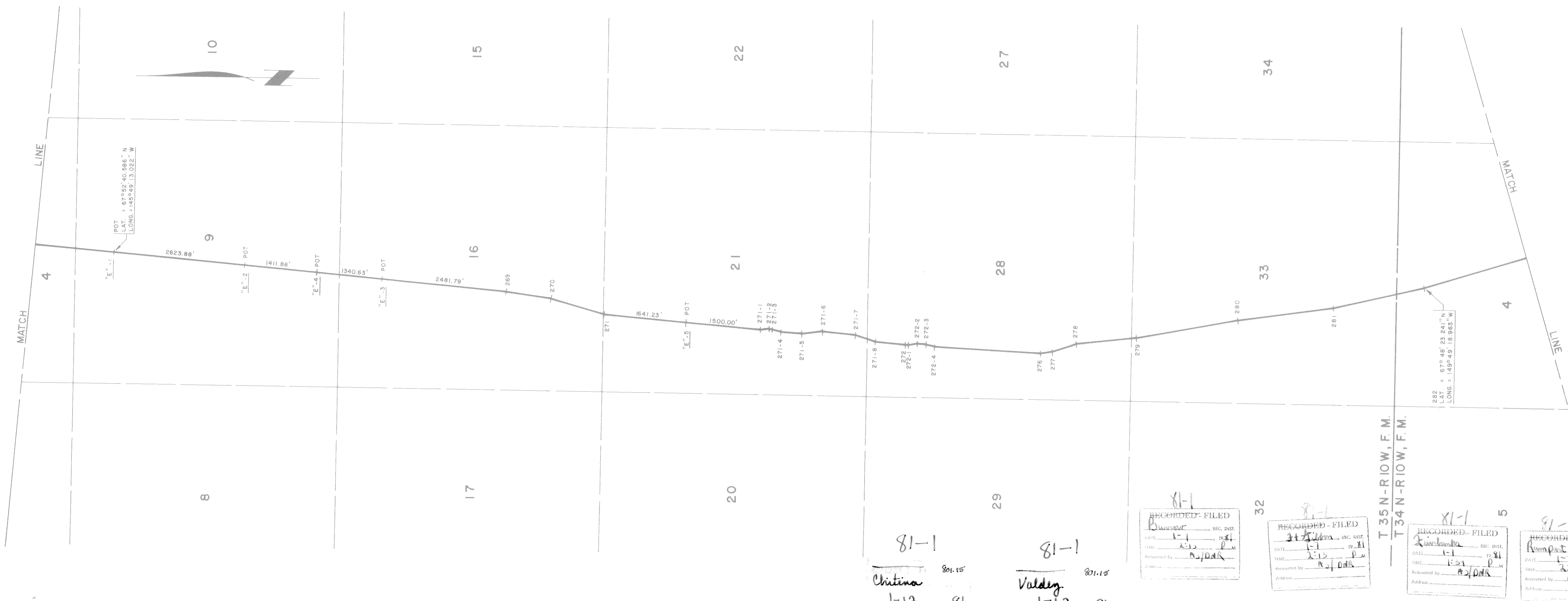
ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>[Signature]</i>	Approval Recommended	<i>[Signature]</i>
Approval	<i>[Signature]</i>	Approval	<i>[Signature]</i>
Approval	<i>[Signature]</i>	Approval	<i>[Signature]</i>

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	Richard C. Davis	Lic. No. 1637-S
Drawn by	R.H.M.	Approved	R.C.D.	Scale	1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.36N., R.10W., & T.35N., R.10W., F.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	<i>[Signature]</i>	Approval Recommended	<i>[Signature]</i>	11/13/80	
Approval	<i>[Signature]</i>	Approval	<i>[Signature]</i>		
File No.		File No.	102-3		

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD
268	S04°42'05"W - 12,296.37'	271-5	S07°49'45"E - 420.00'	272-4	S02°38'58"W - 2117.56'	263													
269	S08°08'17"W - 908.46'	271-6	S04°40'14"W - 659.36'	276	S08°36'32"E - 242.46'														
270	S15°07'48"W - 1094.00'	271-7	S17°09'53"W - 419.97'	277	S20°00'09"E - 498.11'														
271	S04°40'18"W - 3141.23'	271-8	S04°39'36"W - 599.76'	278	S06°27'48"E - 1205.10'														
271-1	S07°49'23"E - 180.01'	272	S02°53'31"W - 59.71'	279	S10°51'19"E - 2055.26'														
271-2	S04°40'18"W - 59.22'	272-1	S09°53'47"E - 180.19'	280	S08°35'24"E - 1928.43'														
271-3	S17°09'55"W - 180.08'	272-2	S02°39'45"W - 176.79'	281	S13°27'16"E - 1859.36'														
271-4	S04°40'45"W - 418.99'	272-3	S15°04'05"W - 179.94'	282	S17°29'16"E - 2372.19'														

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Christina
1-12 81
10:30 A
R.J. DNR
Anchorage, Alaska
March 14, 1980

81-1
Valdez
1-12 81
10:10 A
R.J. DNR
Anchorage, Alaska
March 14, 1980

81-1
RECORDED - FILED
DATE 1-12-81
TIME 1:13 P.M.
Requested by R.J. DNR

81-1
RECORDED - FILED
DATE 1-12-81
TIME 1:21 P.M.
Requested by R.J. DNR

81-1
RECORDED - FILED
DATE 1-12-81
TIME 2:13 P.M.
Requested by R.J. DNR

81-1
RECORDED - FILED
DATE 1-12-81
TIME 2:13 P.M.
Requested by R.J. DNR

Date of Survey: Beginning Feb. 1977, Ending Oct., 1980
 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Drawn by: R.H.M. Approved: R.C.D. Scale: 1" = 1000'
 Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.35N., R.IOW., & T.34N., R.IOW., F.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR
 STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA

Approval Recommended: [Signature]
 Name: [Name]
 Title: Chief, Division of Cadastral Survey, Bureau of Land Management, U.S. Dept. of Interior

Approval Recommended: [Signature]
 Name: [Name]
 Title: Chief Cadastral Surveyor

Approved: [Signature]
 Name: Alan H. Kohl
 Title: Acting Authorized Officer, NUS 5 1980

Approved: [Signature]
 Name: [Name]
 Title: Authorized Officer

File No. 102-3

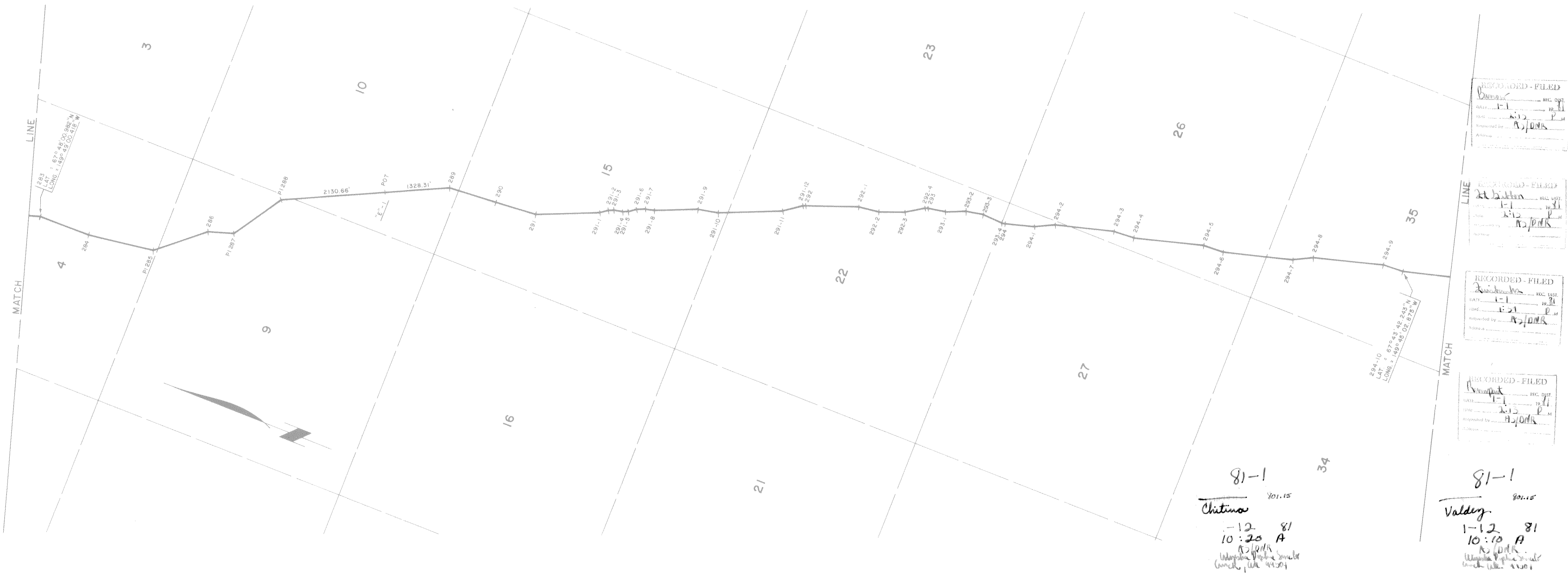
AL-00-G101 SHEET 35 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended: [Signature]
Approval: [Signature]

POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE
	RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD
282	S17°29'16"E - 2372.19'	290	S04°27'30"E - 850.96'	291-7	S10°53'53"E - 180.07'	292-2	S20°17'57"E - 540.49'	294	S15°15'11"E - 610.38'	294-8	S15°14'34"E - 1435.85'						
283	S00°29'13"E - 1054.38'	291	S23°22'16"E - 1310.12'	291-8	S23°21'39"E - 899.54'	292-3	S32°47'46"E - 419.84'	294-1	S27°44'38"E - 420.20'	294-9	S02°43'12"E - 420.08'						
284	S07°51'25"E - 1351.83'	291-1	S38°50'38"E - 180.09'	281-9	S10°51'07"E - 420.15'	292-4	S20°25'40"E - 60.17'	294-2	S15°14'48"E - 1210.84'	294-10	S15°12'29"E - 1376.87'						
PI 285	S09.06' 90.98' 173.85'	291-2	S23°22'46"E - 115.13'	291-10	S23°21'33"E - 1319.81'	293	S10°10'14"E - 359.48'	294-3	S02°45'44"E - 419.99'	294-11							
286	S17°14'05"E - 528.68'	291-3	S10°50'56"E - 179.89'	291-11	S35°51'26"E - 419.98'	293-1	S22°41'10"E - 419.45'	294-4	S15°14'26"E - 1436.07'								
PI 287	S34.29' 85.17' 180.08'	291-4	S23°24'52"E - 117.20'	291-12	S23°31'22"E - 59.69'	293-2	S10°09'32"E - 358.11'	294-5	S02°45'43"E - 420.04'								
PI 288	S25°27'24"E - 3488.97'	291-5	S38°47'34"E - 180.05'	292	S20°17'49"E - 1083.80'	293-3	S02°20'09"W - 420.06'	294-6	S15°14'10"E - 1435.94'								
289	S04°15'02"E - 982.24'	291-6	S23°24'43"E - 179.97'	292-1	S07°47'59"E - 420.13'	293-4	S10°12'02"E - 59.96'	294-7	S27°44'44"E - 419.99'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



Date of Survey	Beginning Feb. 1977	Ending Oct. 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Drawn by	R.H.M.	Approved	R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.34 N., R.10 W., F.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name <i>[Signature]</i>	Title Chief, Division of Cadastral Survey Bureau of Land Management NOV 10 1980	Approval Recommended	Name <i>[Signature]</i> 11/12/80
Approval Recommended <i>[Signature]</i>	Name <i>[Signature]</i>	Title Acting Authorized Officer NOV 5 1980	Approval	Name <i>[Signature]</i>
File No.				File No. 102-4

AL-00-G101 SHEET 36 OF 143 ER-				
ALYESKA PIPELINE SERVICE CO., AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				
No.	DATE	REVISION	BY	CHKD APP
Approval <i>[Signature]</i>				