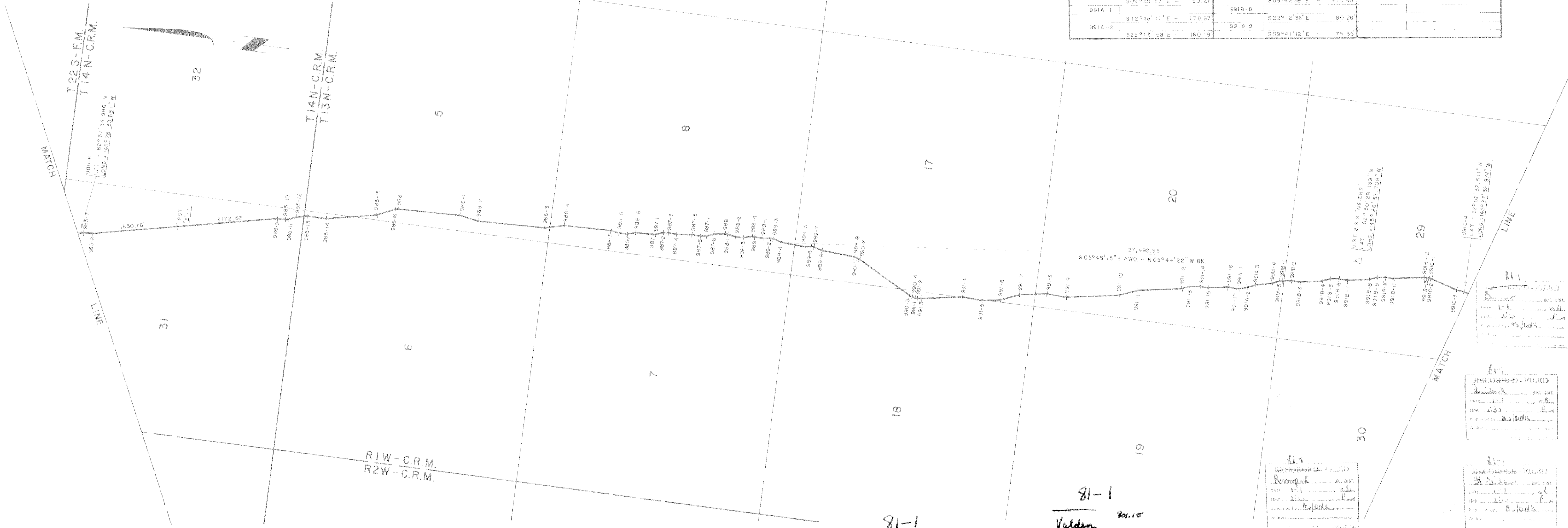


BEARING & DISTANCE			BEARING & DISTANCE			BEARING & DISTANCE			BEARING & DISTANCE			BEARING & DISTANCE			BEARING & DISTANCE			BEARING & DISTANCE			BEARING & DISTANCE																																																						
POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD	POINT I.D.	RADIUS	TANGENT	CHORD																																												
985-5	S 24° 40' 44" E	179.53		985-13	S 00° 21' 24" W	419.69		986-4	S 01° 54' 16" E	1015.08		987-3	S 04° 40' 04" W	179.52		988-2	S 02° 18' 09" E	175.11		989-5	S 08° 47' 01" E	180.30		990-4	S 14° 09' 01" W	66.53		991-8	S 02° 46' 17" W	419.76		991A-3	S 12° 43' 42" E	359.93		991B-10	S 02° 46' 47" W	180.08		985-6	S 12° 08' 02" E	59.46		985-14	S 12° 07' 16" E	1078.84		986-5	S 10° 37' 25" W	179.82		987-4	S 07° 55' 35" E	331.48		988-3	S 14° 48' 54" E	179.97		989-6	S 03° 39' 53" W	57.74		991-1	S 08° 15' 41" W	46.40		991A-4	S 25° 15' 32" E	180.14		991B-11	S 09° 43' 32" E	647.68	
985-6	S 12° 08' 02" E	59.46		985-14	S 12° 07' 16" E	1078.84		986-5	S 10° 37' 25" W	179.82		987-4	S 07° 55' 35" E	331.48		988-3	S 14° 48' 54" E	179.97		989-6	S 03° 39' 53" W	57.74		991-1	S 08° 15' 41" W	46.40		991A-4	S 25° 15' 32" E	180.14		991B-11	S 09° 43' 32" E	647.68																																									

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Valdez
1-12 10:10 A
Chitina
1-12 10:26 A

81-1
801.15
81
81
81

AL-00-G101 SHEET 112 OF 143

ER-

ALYESKA PIPELINE SERVICE CO., AGENT		APPROVAL Recommended	
TRANS ALASKA PIPELINE SYSTEM		Name <i>[Signature]</i>	
PRUDHOE BAY TO VALDEZ		Title Chief, Division of Cadastral Survey	
48" OIL PIPELINE		Bureau of Land Management	
Approval Recommended	Name <i>[Signature]</i>	Approved	Name <i>[Signature]</i>
Title <i>[Signature]</i>	Title Authorized Officer	Title	Title Authorized Officer
File No.		File No.	102-11

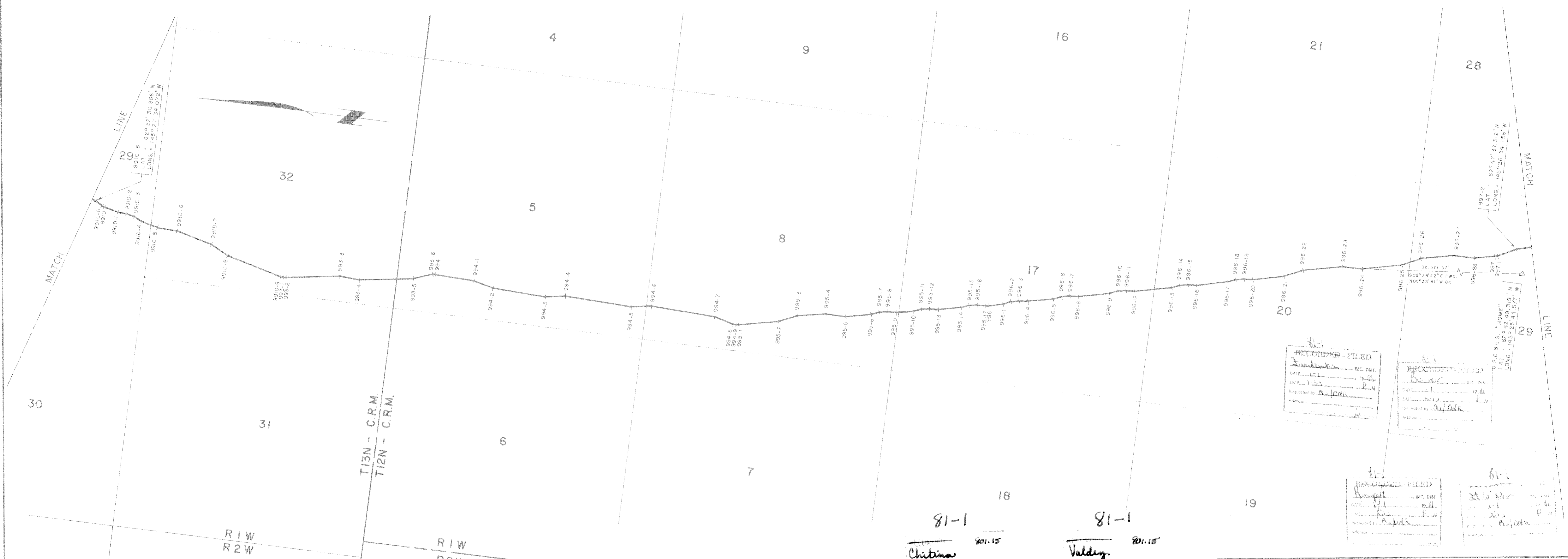
Date of Survey	Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Drawn by	A. D. A.	Approved	R.C.D.	Scale 1" = 1000'

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 14N., R. 1W., & T. 13N., R. 1W., C.R.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	
991C-4	S 16° 56' 29" W - 174.75'	991D-5	S 01° 53' 42" W - 420.44'	993-4	S 08° 27' 36" E - 1135.24'	994-5	S 10° 19' 01" E - 420.33'	995-4	S 00° 58' 44" W - 419.13'	995-12	S 00° 58' 44" W - 179.33'	996-2	S 12° 50' 16" E - 181.70'	996-10	S 12° 49' 59" E - 179.43'	996-18	S 12° 50' 01" E - 179.98'	996-26	S 12° 50' 09" E - 719.62'	
991C-5	S 29° 30' 02" W - 180.14'	991D-6	S 14° 26' 32" W - 779.65'	993-5	S 08° 27' 36" E - 419.87'	994-6	S 10° 19' 01" E - 1351.67'	995-5	S 11° 33' 11" E - 535.75'	995-13	S 11° 31' 42" E - 476.22'	996-3	S 00° 18' 23" E - 179.31'	996-11	S 00° 21' 32" E - 179.83'	996-19	S 00° 19' 59" E - 179.98'	996-27	S 00° 20' 14" E - 419.90'	
991C-6	S 16° 57' 49" W - 59.93'	991D-7	S 26° 57' 16" W - 419.36'	993-6	S 08° 27' 03" E - 59.61'	994-7	S 14° 40' 45" W - 419.64'	995-6	S 24° 04' 57" E - 180.04'	995-14	S 24° 04' 43" E - 180.10'	996-4	S 12° 50' 55" E - 539.63'	996-12	S 12° 50' 41" E - 778.98'	996-20	S 12° 50' 07" E - 660.02'	996-28	S 12° 50' 14" E - 419.77'	
991D	S 14° 25' 22" W - 299.51'	991D-8	S 14° 26' 17" W - 1197.03'	994	S 02° 10' 26" W - 824.70'	994-8	S 02° 15' 54" W - 99.90'	995-7	S 11° 34' 40" E - 178.63'	995-15	S 11° 34' 43" E - 179.40'	996-5	S 25° 20' 45" E - 180.40'	996-13	S 25° 21' 29" E - 179.91'	996-21	S 25° 22' 22" E - 419.83'	997	S 13° 50' 25" E - 60.02'	
991D-1	S 01° 56' 05" W - 180.06'	991D-9	S 08° 41' 01" W - 60.24'	994-1	S 14° 40' 06" W - 419.97'	994-9	S 04° 44' 23" E - 59.84'	995-8	S 00° 57' 13" W - 180.21'	995-16	S 00° 57' 11" W - 179.90'	996-6	S 12° 50' 43" E - 179.54'	996-14	S 12° 53' 59" E - 179.87'	996-22	S 12° 50' 36" E - 839.67'	997-1	S 26° 25' 15" E - 420.16'	
991D-2	S 14° 26' 11" W - 179.55'	993-1	S 02° 41' 36" E - 60.07'	994-2	S 02° 10' 59" W - 1123.54'	995-1	S 11° 34' 14" E - 836.33'	995-9	S 11° 33' 25" E - 356.22'	995-17	S 11° 36' 28" E - 60.12'	996-7	S 00° 19' 41" E - 179.97'	996-15	S 00° 16' 38" E - 179.94'	996-23	S 00° 21' 33" E - 419.90'	997-2	S 13° 53' 53" E - 446.85'	
991D-3	S 26° 56' 26" W - 179.94'	993-2	S 08° 27' 48" E - 1131.46'	994-3	S 10° 20' 08" E - 419.72'	995-2	S 24° 03' 29" E - 420.16'	995-10	S 24° 03' 19" E - 180.36'	996	S 12° 51' 12" E - 658.68'	996-8	S 12° 50' 19" E - 659.61'	996-16	S 12° 50' 54" E - 839.95'	996-24	S 12° 50' 54" E - 839.95'	997-3	S 13° 53' 53" E - 446.85'	
991D-4	S 14° 29' 07" W - 359.33'	993-3	S 04° 02' 27" W - 420.28'	994-4	S 02° 10' 26" W - 1413.94'	995-3	S 11° 34' 11" E - 598.28'	995-11	S 11° 34' 35" E - 179.64'	996-1	S 25° 25' 15" E - 179.64'	996-9	S 25° 22' 06" E - 180.10'	996-17	S 25° 22' 55" E - 179.99'	996-25	S 25° 20' 28" E - 420.06'			

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



AL-00-GIOI SHEET 113 OF 143

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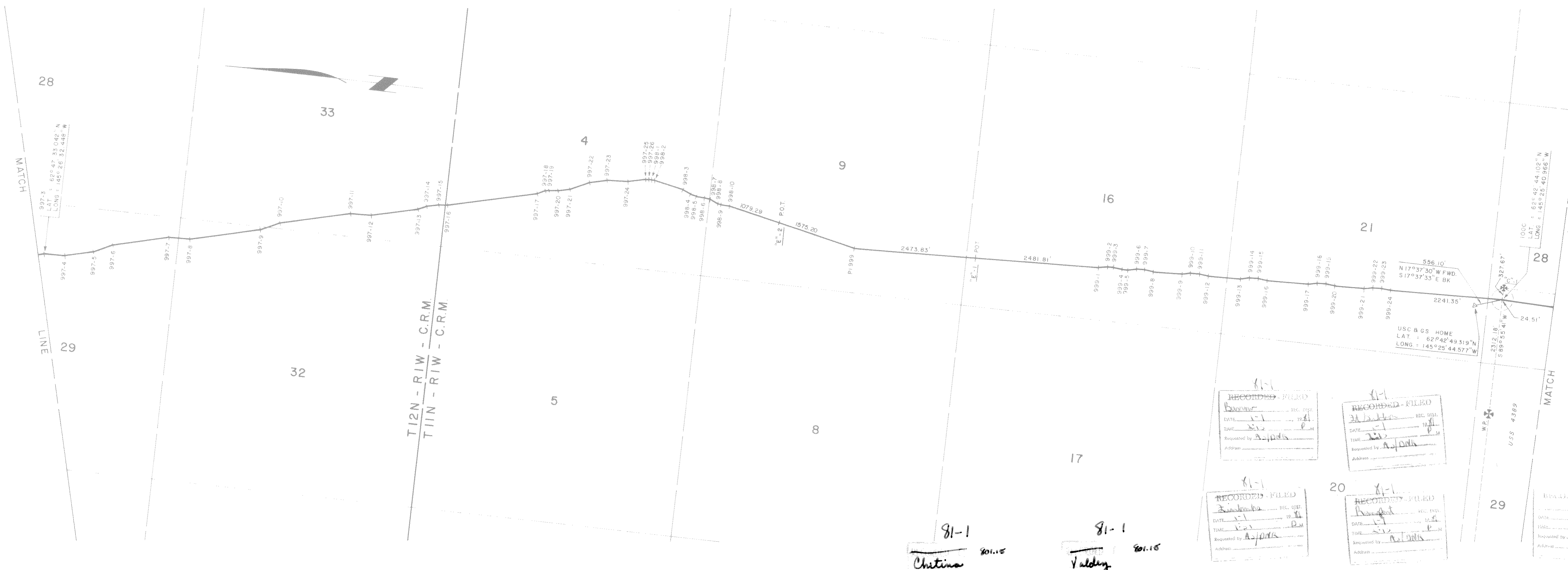
ALYESKA PIPELINE SERVICE CO., AGENT	
TRANS ALASKA PIPELINE SYSTEM	
PRUDHOE BAY TO VALDEZ	
48" OIL PIPELINE	
Approval Recommended	<i>[Signature]</i>
Approval	<i>[Signature]</i>
Approval	<i>[Signature]</i>

Date of Survey	Beginning	Ending	Name of Surveyor	RICHARD C. DAVIS	Lic No	1637-9
Feb, 1977	Feb, 1977	Oct, 1980	Drawn by	R.H.M.	Approved	R.C.D.
Description			A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.13N., R.1W., & T.12N., R.1W., C.R.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> 11/26/80		
Name	Chiet, Division of Geological Survey Bureau of Land Management		Name	Chiet Cadastral Surveyor		
Approved	<i>[Signature]</i>		Approved	<i>[Signature]</i>		
Name	Authorized Officer		Name	Authorized Officer		
Title			Title			
File No			File No	102-11		

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	
997-2	S13°53'53"E - 446.85'	997-10	S13°54'30"E - 1440.01'	997-18	S13°50'59"E - 65.13'	997-26	S00°41'24"E - 60.14'	998-8	S12°27'58"W - 59.23'	999-5	S14°29'40"E - 180.12'	999-13	S14°30'57"E - 180.10'	999-21	S14°30'08"E - 180.52'					
997-3	S01°24'40"E - 419.82'	997-11	S01°21'21"E - 419.40'	997-19	S01°21'58"E - 179.75'	998-1	S08°00'06"W - 60.07'	998-9	S00°04'41"E - 180.56'	999-6	S01°58'09"E - 163.42'	999-14	S01°59'23"E - 179.95'	999-22	S01°56'25"E - 179.33'					
997-4	S13°55'08"E - 575.12'	997-12	S13°54'29"E - 958.82'	997-20	S13°55'00"E - 245.41'	998-2	S12°27'09"W - 599.03'	998-10	S12°26'59"W - 2654.49'	999-7	S10°28'35"W - 180.30'	999-15	S10°36'23"W - 179.55'	999-23	S10°27'48"W - 180.03'					
997-5	S26°24'29"E - 419.63'	997-13	S26°27'26"E - 180.45'	997-21	S26°24'10"E - 420.56'	998-3	S24°57'51"W - 179.94'	PI 999	673.70' 85.47' 169.58'	999-8	S02°00'13"E - 582.61'	999-16	S02°01'41"E - 840.04'	999-24	S02°00'11"E - 2265.86'					
997-6	S13°55'05"E - 1139.77'	997-14	S13°49'57"E - 239.48'	997-22	S13°52'43"E - 359.99'	998-4	S12°26'50"W - 120.01'	999-1	S14°30'48"E - 180.06'	999-9	S14°32'37"E - 180.24'	999-17	S14°30'48"E - 180.05'	1000	S01°17'18"W - 4661.24'					
997-7	S01°23'36"E - 420.02'	997-15	S01°35'12"E - 179.94'	997-23	S01°25'05"E - 419.91'	998-5	S00°04'23"E - 179.95'	999-2	S01°57'48"E - 119.24'	999-10	S02°00'40"E - 179.57'	999-18	S02°00'30"E - 179.74'	1001						
997-8	S13°54'21"E - 1439.60'	997-16	S13°53'13"E - 1836.33'	997-24	S13°55'00"E - 359.89'	998-6	S12°25'01"W - 119.63'	999-3	S10°31'32"W - 180.05'	999-11	S10°27'38"W - 180.24'	999-19	S10°30'57"W - 180.00'							
997-9	S26°24'09"E - 419.51'	997-17	S26°21'27"E - 179.72'	997-25	S09°27'40"E - 59.89'	998-7	S24°59'34"W - 180.00'	999-4	S02°02'04"E - 114.34'	999-12	S01°59'03"E - 659.57'	999-20	S02°00'36"E - 599.64'							

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Christina 2011.5
1-12 81
10:20 P
A.J.D.M.
Alaska Pipeline Service Co.
Anchorage AK 99501

81-1
Valdey 2011.5
1-12 81
10:10 P
A.J.D.M.
Alaska Pipeline Service Co.
Anchorage AK 99501

RECORDED - FILED
DATE 1-12-81
TIME 10:20 P
Requested by A.J.D.M.
Address

RECORDED - FILED
DATE 1-12-81
TIME 10:10 P
Requested by A.J.D.M.
Address

RECORDED - FILED
DATE 1-12-81
TIME 10:20 P
Requested by A.J.D.M.
Address

RECORDED - FILED
DATE 1-12-81
TIME 10:10 P
Requested by A.J.D.M.
Address

AL-00-GIOI SHEET 114 OF 143

ER-

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

Date of Survey	Feb, 1977	Name of Surveyor	OCEAN TECHNOLOGY LTD. ORA F.M. LINDSEY & ASSOC.
Beginning	Feb, 1977	Ending	Oct, 1980
Drawn by	R.H.M.	Approved	RCD
Description		A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.2N., R.I.W., & T.I.I.N., R.I.W., C.R.M., ALASKA	
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Jimmie G. Zupic Jr.	Approval Recommended	W. J. West 11/26/80
Name	Jimmie G. Zupic Jr.	Name	W. J. West
Title	Chief, Division of Cadastral Survey Bureau of Land Management	Title	Chief Cadastral Surveyor
Approved	[Signature]	Approved	[Signature]
Name	[Signature]	Name	[Signature]
Title	Authorized Officer	Title	Authorized Officer
File No		File No	102-11

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
1000	S 01° 17' 18" W - 4661.24'	1001-7	S 07° 25' 22" W - 180.06'	PI 1003	455.40' 81.87' 161.15'	1005-6	S 16° 24' 53" W - 239.22'												
1001	S 13° 56' 03" W - 2792.09'	1001-8	S 19° 59' 20" W - 59.65'	PI 1004	377.56' 103.77' 200.11'	1005-7	S 29° 03' 06" W - 180.11'												
1001-1	S 07° 02' 34" W - 178.93'	1001-9	S 29° 11' 01" W - 59.76'	PI 1005	394.85' 116.05' 222.67'	1005-8	S 16° 29' 03" W - 1677.29'												
1001-2	S 19° 56' 07" W - 117.11'	1002-1	S 38° 55' 04" W - 112.29'	1005-1	S 03° 52' 12" W - 178.55'	PI 1006	702.13' 721.30' 239.04'												
1001-3	S 32° 24' 07" W - 179.91'	1002-2	S 26° 13' 37" W - 178.71'	1005-2	S 16° 30' 08" W - 234.07'	PI 1007	586.42' 113.59' 223.03'												
1001-4	S 19° 56' 07" W - 354.69'	1002-3	S 38° 46' 30" W - 52.66'	1005-3	S 29° 02' 44" W - 179.16'	1008	825° 02' 12" E - 6527.06'												
1001-5	S 32° 22' 37" W - 179.89'	1002-4	S 51° 04' 09" W - 176.74'	1005-4	S 16° 29' 34" W - 829.35'														
1001-6	S 19° 55' 14" W - 179.87'	1002-5	S 38° 55' 24" W - 1224.90'	1005-5	S 04° 00' 39" W - 179.77'														

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Chittum
 1-12 8
 10:20 A
 A/DNR
 Valdez
 1-12 8
 10:10 A
 A/DNR

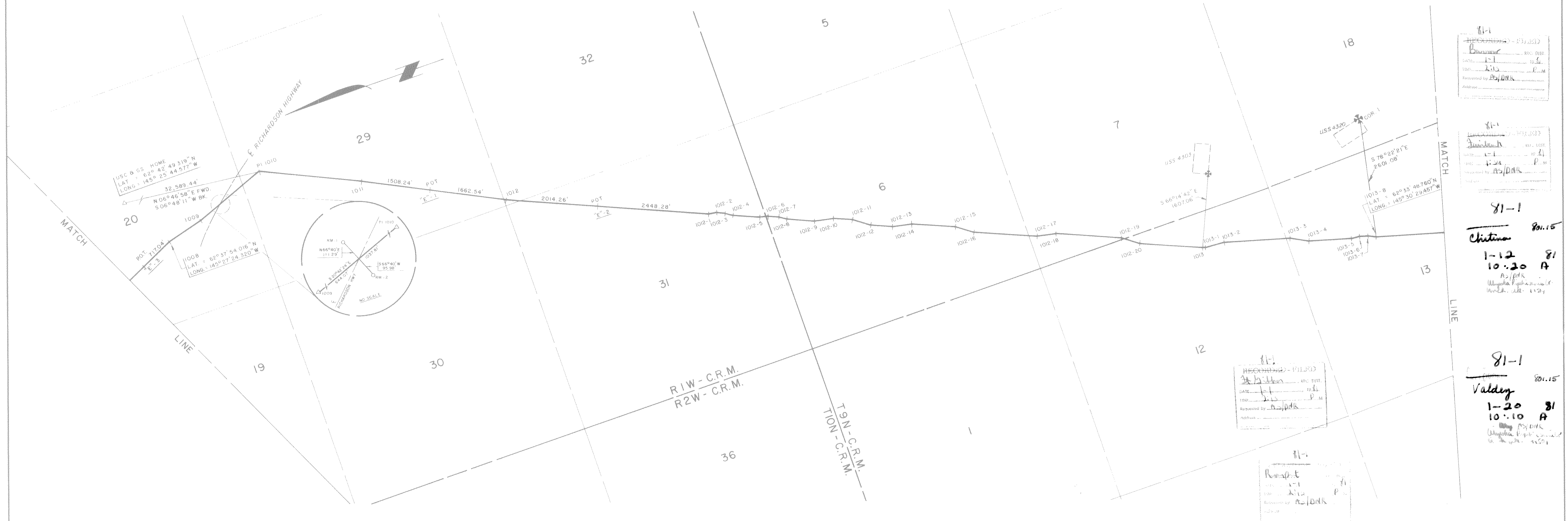
Date of Survey	Name of Surveyor		
Beginning Feb, 1977	Ending Oct, 1980	RICHARD C DAVIS	Lic No. 1637-S
Drawn by R.H.M.	Approved RCD	Scale	1" = 1000'
Description - A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.N., R.I.W., & T.I.W., C.R.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name	Approval Recommended	Name
	Thomas J. 11/24/80
Approved	Name	Approved	Name
	Authorized Officer		Authorized Officer
File No.	102-11	File No.	102-11

AL-00-G101 SHEET 115 OF 143 ER -

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

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	
1007	S 25° 02' 12" E	6627.06	1012-3	S 35° 50' 50" W	179.57	1012-11	S 35° 50' 10" W	420.16	1012-19	S 35° 50' 18" W	419.96	1013-6	S 15° 57' 11" W	187.45										
1008	S 14° 52' 27" E	818.62	1012-4	S 23° 20' 34" W	593.55	1012-12	S 23° 18' 30" W	479.33	1012-20	S 23° 19' 57" W	1379.41	1013-7	S 28° 28' 35" W	179.88										
1009	S 20° 42' 24" E	1681.88	1012-5	S 10° 55' 17" W	180.27	1012-13	S 10° 54' 38" W	420.32	1013	S 15° 56' 33" W	59.99	1013-8	S 15° 53' 19" W	2371.08										
PI 1010	193.62 81.36 130.01	2235.05	1012-6	S 23° 21' 17" W	239.66	1012-14	S 23° 20' 35" W	959.58	1013-1	S 03° 28' 31" W	420.13	1014												
1011	S 26° 45' 12" W	3170.78	1012-7	S 35° 53' 05" W	180.22	1012-15	S 35° 49' 55" W	420.45	1013-2	S 15° 57' 31" W	1448.42													
1012	S 23° 22' 36" W	4462.54	1012-8	S 23° 20' 42" W	599.53	1012-16	S 23° 21' 24" W	1378.98	1013-3	S 28° 27' 42" W	420.10													
1012-1	S 10° 53' 09" W	180.19	1012-9	S 10° 52' 25" W	420.43	1012-17	S 10° 50' 53" W	419.94	1013-4	S 15° 57' 11" W	931.07													
1012-2	S 23° 21' 12" W	174.95	1012-10	S 23° 21' 25" W	419.58	1012-18	S 23° 20' 40" W	1437.73	1013-5	S 03° 28' 28" W	179.69													

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



Date of Survey		Name of Surveyor	
Beginning Feb, 1977 End Oct, 1980		OCEAN TECHNOLOGY LTD. & FM LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 4637-S	
Drawn by A. D. A.	Approved RCD	Scale 1" = 1000'	
Description A PORTION OF THE TRANS ALASKA PIPELINE WITHIN TION, R.I.W. & T.9N, R.1 & 2 W., C.R.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name <i>Morgan J. [Signature]</i> Title Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended	Name <i>[Signature]</i> 11/26/80 Title Chief Cadastral Surveyor
Approved	Name Title Authorized Officer	Approved	Name Title Authorized Officer
File No.	102-12	File No.	102-12

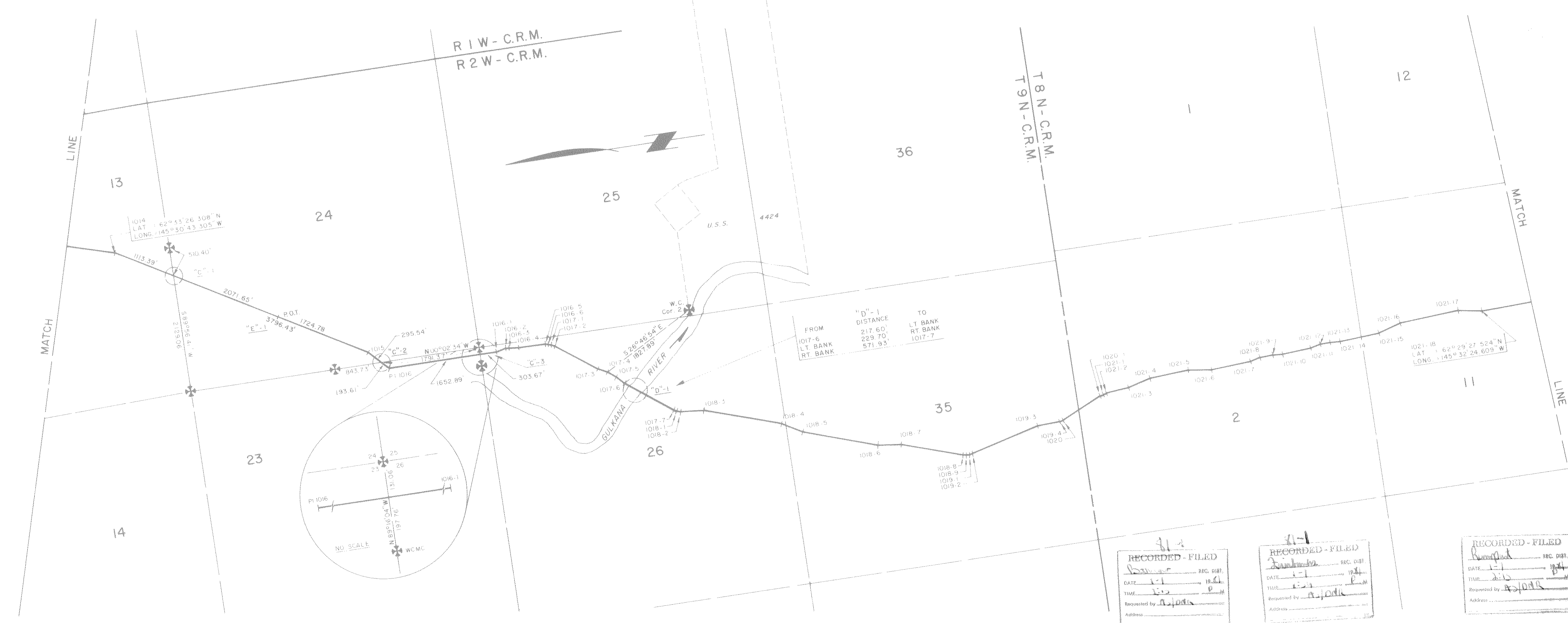
AL-00-G101 SHEET 116 OF 143 ER-

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>
Approval	<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			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								
1013-8	S 15° 53' 19" W	2371.08		1016-5	S 05° 49' 18" W	60.75		1017-7	S 27° 28' 02" W	59.93		1018-8	S 13° 03' 15" W	60.36		1021-1	S 09° 05' 02" E	58.84		1021-9	S 08° 48' 03" W	180.31		1021-17	S 08° 40' 57" W	420.14																	
1014	S 30° 16' 03" W	4909.82		1016-6	S 18° 21' 05" W	61.00		1018-1	S 18° 23' 51" W	59.98		1018-9	S 01° 18' 07" W	60.49		1021-2	S 03° 46' 41" E	417.41		1021-10	S 03° 48' 44" E	522.14		1021-18	S 03° 44' 24" E	1319.83																	
1015	S 45° 02' 05" W	489.15		1017-1	S 30° 35' 03" W	60.74		1018-2	S 05° 48' 06" W	419.89		1019-1	S 08° 29' 01" E	59.44		1021-3	S 16° 13' 58" E	420.06		1021-11	S 16° 04' 23" E	180.22		1021-19																			
P1 1016	204.76 85.41 157.65 S 00° 15' 07" E	1956.56		1017-2	S 36° 52' 10" W	876.04		1018-3	S 18° 18' 39" W	1426.50		1019-2	S 14° 20' 49" E	1272.33		1021-4	S 03° 44' 20" E	716.94		1021-12	S 03° 47' 00" E	184.09																					
1016-1	S 12° 48' 26" E	180.01		1017-3	S 24° 21' 41" W	180.12		1018-4	S 30° 48' 28" W	419.76		1019-3	S 01° 48' 48" E	420.13		1021-5	S 08° 47' 11" W	419.63		1021-13	S 08° 46' 25" W	180.14																					
1016-2	S 00° 18' 06" E	55.69		1017-4	S 36° 49' 59" W	184.65		1018-5	S 18° 18' 32" W	1375.07		1019-4	S 14° 17' 04" E	56.09		1021-6	S 03° 44' 24" E	719.97		1021-14	S 03° 44' 58" E	722.48																					
1016-3	S 12° 11' 35" E	180.06		1017-5	S 49° 21' 58" W	180.15		1018-6	S 05° 49' 23" W	420.20		1020	S 24° 45' 51" E	802.62		1021-7	S 16° 16' 07" E	180.33		1021-15	S 16° 15' 04" E	420.14																					
1016-4	S 00° 16' 18" E	481.67		1017-6	S 36° 52' 06" W	1019.23		1018-7	S 18° 16' 20" W	1158.61		1020-1	S 19° 30' 07" E	60.06		1021-8	S 03° 44' 28" E	239.62		1021-16	S 03° 46' 17" E	1079.43																					

P1 - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Christina
1-12 81
10:20 A
No. 1 Park
Alaska Pipeline Service
Anchorage, Alaska 99501

81-1
Valdey
1-12 81
10:10 A
No. 1 Park
Alaska Pipeline Service
Anchorage, Alaska 99501

RECORDED - FILED
DATE 1-12-81
TIME 1:00 P.M.
Requested by A. J. Joda
Address

RECORDED - FILED
DATE 1-12-81
TIME 1:00 P.M.
Requested by A. J. Joda
Address

RECORDED - FILED
DATE 1-12-81
TIME 1:00 P.M.
Requested by A. J. Joda
Address

RECORDED - FILED
DATE 1-12-81
TIME 1:00 P.M.
Requested by A. J. Joda
Address

Date of Survey: Feb, 1977 Ending Oct., 1980
Name of Surveyor: OCEAN TECHNOLOGY LTD. (INC) F.M. LINDSEY & ASSOC.
Richard C. Davis Lic. No. 1637.5
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. 2 W., & T. 8 N., R. 2 W., C.R.M., ALASKA

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

AL-00-GIOI SHEET 117 OF 143 ER-

ALYESKA PIPELINE SERVICE CO. AGENT	Approval Recommended
TRANS ALASKA PIPELINE SYSTEM	Name: <i>Thomas J. Joda</i>
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	Title: Chief, Division of Geodetic Survey, Bureau of Land Management
Approval Recommended <i>H. J. Joda</i>	Name: _____
Approval <i>J. C. Harle</i>	Title: Authorized Officer

Approval Recommended
Name: *Richard C. Davis*
Title: Chief, Division of Geodetic Survey, Bureau of Land Management
Date: 1/26/80
Approved
Name: _____
Title: Authorized Officer
File No. 102-12

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
1021-18	S 03° 44' 24" E - 1319.83'	1022-3	S 00° 08' 48" W - 419.66'	1022-11	S 09° 45' 42" E - 896.62'	1023-8	S 09° 42' 05" E - 179.93'	1024-1	S 29° 17' 58" E - 60.11'	1024-9	S 29° 19' 03" E - 1079.41'								
1021-19	S 16° 12' 22" E - 419.96'	1022-4	S 12° 21' 09" E - 1437.73'	1023-1	S 02° 41' 35" W - 419.91'	1023-9	S 02° 41' 51" W - 180.03'	1024-2	S 41° 48' 58" E - 420.27'	1024-10	S 41° 49' 06" E - 420.07'								
1021-20	S 03° 45' 48" E - 1439.64'	1022-5	S 24° 45' 39" E - 419.51'	1023-2	S 09° 44' 49" E - 1076.76'	1023-10	S 09° 46' 31" E - 576.06'	1024-3	S 29° 19' 18" E - 485.65'	1024-11	S 29° 19' 20" E - 659.13'								
1021-21	S 08° 44' 29" W - 420.08'	1022-6	S 12° 23' 52" E - 1438.19'	1023-3	S 22° 17' 19" E - 420.12'	1023-11	S 02° 44' 00" W - 180.00'	1024-4	S 16° 51' 06" E - 420.07'	1024-12	S 16° 46' 58" E - 420.41'								
1021-22	S 03° 18' 12" E - 61.00'	1022-7	S 00° 10' 03" W - 420.43'	1023-4	S 09° 47' 00" E - 1376.31'	1023-12	S 09° 48' 16" E - 174.63'	1024-5	S 29° 19' 35" E - 846.96'	1024-13	S 29° 19' 41" E - 539.89'								
1022	S 12° 24' 02" E - 1210.21'	1022-8	S 12° 20' 40" E - 1439.47'	1023-5	S 02° 42' 49" W - 420.14'	1023-13	S 22° 15' 50" E - 179.83'	1024-6	S 16° 50' 03" E - 419.91'	1024-14	S 41° 48' 30" E - 180.07'								
1022-1	S 24° 50' 23" E - 420.01'	1022-9	S 24° 52' 03" E - 419.33'	1023-6	S 09° 46' 48" E - 835.67'	1023-14	S 09° 46' 00" E - 292.32'	1024-7	S 29° 19' 00" E - 1319.86'	1024-15	S 29° 18' 38" E - 179.66'								
1022-2	S 12° 22' 10" E - 1392.28'	1022-10	S 12° 17' 29" E - 59.59'	1023-7	S 22° 15' 57" E - 180.01'	1023-15	S 19° 35' 23" E - 59.87'	1024-8	S 41° 51' 11" E - 419.99'	1024-16									

P.I. POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



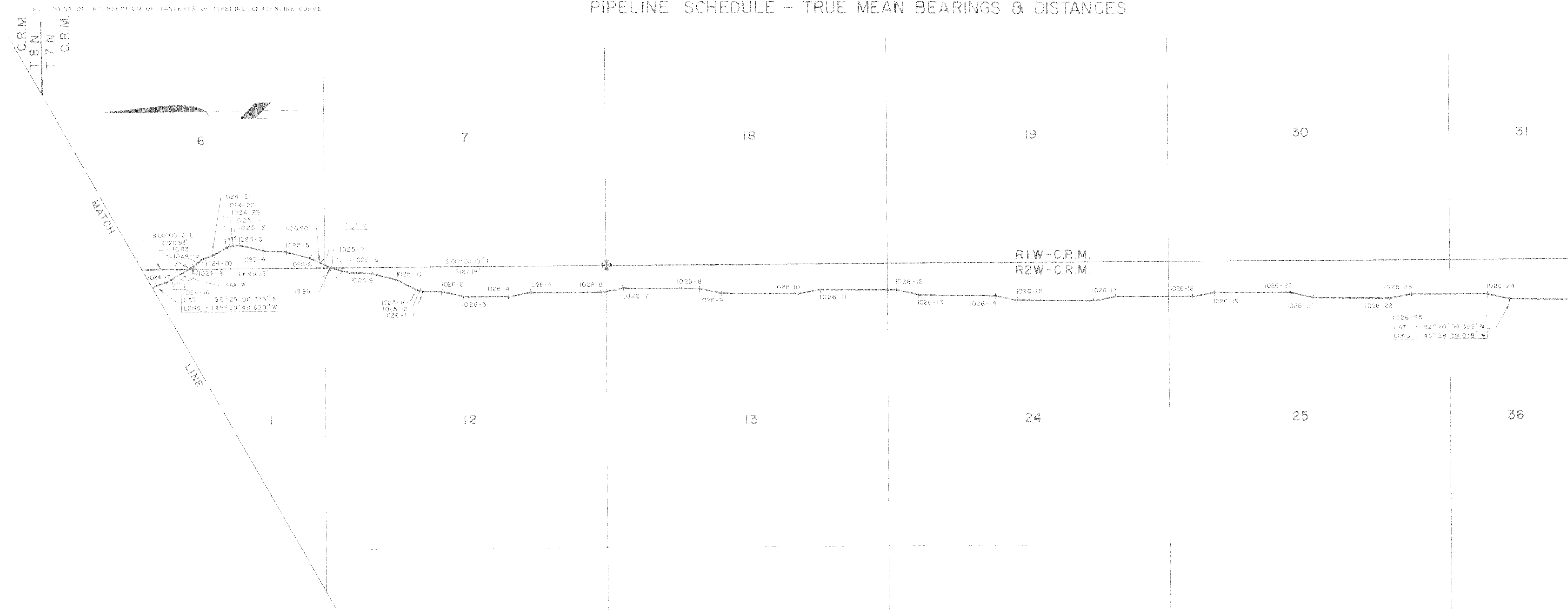
Date of Survey	Feb, 1977	Ending	Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. PRA F.M. LINDSEY & ASSOC.
Drawn by	A. D. A.	Approved	R.C.D.	Scale	1" = 1000'
Description A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.8N., R.2W., & T.7N., R.2W., C.R.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			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] Title: Chief Cadastral Surveyor 11/26/80		
Approved Name: [Signature] Title: Authorized Officer			Approved Name: [Signature] Title: Authorized Officer		
File No.			File No. 102-12		

AL-00-G101 SHEET 118 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 ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT CHORD
1024-15	S 29° 18' 38" E 179.66'	1024-23	S 12° 53' 57" E 60.21'	1025-8	S 02° 08' 53" W 420.01'	1026-4	S 11° 41' 11" E 420.04'	1026-12	S 13° 15' 53" W 420.23'	1026-20	S 13° 16' 47" W 419.33'								
1024-16	S 16° 48' 38" E 180.20'	1025-1	S 01° 59' 45" E 60.03'	1025-9	S 14° 59' 46" W 477.31'	1026-5	S 00° 47' 38" W 1439.43'	1026-13	S 00° 48' 25" W 1439.40'	1026-21	S 00° 48' 07" W 1439.59'								
1024-17	S 29° 19' 05" E 605.40'	1025-2	S 09° 09' 18" W 59.73'	1025-10	S 27° 10' 01" W 419.38'	1026-6	S 11° 40' 29" E 419.99'	1026-14	S 13° 15' 32" W 420.09'	1026-22	S 11° 42' 20" E 419.66'								
1024-18	S 41° 46' 21" E 180.24'	1025-3	S 14° 38' 38" W 472.08'	1025-11	S 14° 42' 37" W 60.63'	1026-7	S 00° 46' 56" W 1439.47'	1026-15	S 00° 47' 44" W 1439.82'	1026-23	S 00° 46' 31" W 1439.28'								
1024-19	S 29° 21' 27" E 62.51'	1025-4	S 01° 56' 04" W 420.83'	1025-12	S 07° 13' 34" W 59.97'	1026-8	S 13° 16' 57" W 420.04'	1026-16	S 11° 42' 31" E 419.98'	1026-24	S 12° 11' 44" W 424.98'								
1024-20	S 16° 47' 25" E 179.67'	1025-5	S 14° 55' 19" W 472.40'	1025-1	S 00° 52' 47" W 366.20'	1026-9	S 00° 47' 44" W 1439.91'	1026-17	S 00° 47' 24" W 1439.73'	1026-25	S 00° 46' 32" W 1439.60'								
1024-21	S 29° 21' 01" E 302.04'	1025-6	S 27° 07' 32" W 419.96'	1026-2	S 13° 16' 04" W 420.19'	1026-10	S 11° 41' 26" E 419.98'	1026-18	S 11° 43' 28" E 420.37'	1026-26									
1024-22	S 23° 40' 20" E 59.91'	1025-7	S 14° 59' 03" W 358.14'	1026-3	S 00° 47' 18" W 847.64'	1026-11	S 00° 47' 43" W 1439.63'	1026-19	S 00° 49' 08" W 1440.24'										

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina
1-12
10-20
A
As/Dir
Alaska Pipeline Service
Anchorage, Alaska 99501

81-1
Valdez
1-12
10-10
A
As/Dir
Alaska Pipeline Service
Anchorage, Alaska 99501

AL-00-GIOI SHEET 119 OF 143 ER-

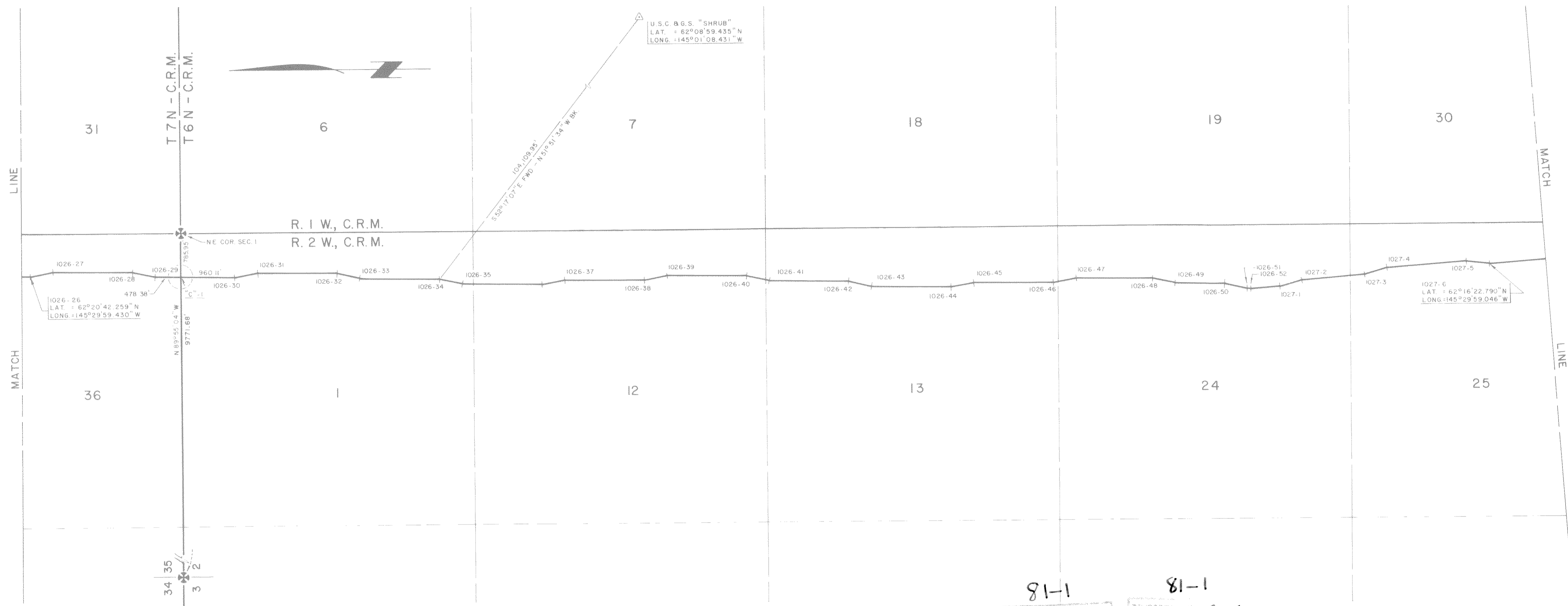
APPROVAL	REVISION	BY	CHKD	APP
Approval Recommended		M. J. Smith		
Approval		J. C. Harke		

Date of Survey	Beginning	Ending	Name of Surveyor	Scale
	Feb, 1977	Oct, 1980	RICHARD C. DAVIS	1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.7N., R.1W., & T.7N., R.2W., C.R.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name	Title	Approval Recommended	Name
	Thomas J. J. J.	Chief, Division of Geodetic Survey, Bureau of Land Management		11/26/80
Approved	Name	Title	Approved	Name
		Authorized Officer		
File No.	File No.			102-42

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
1026-25	S 00°46'32" W - 1435.66'	1026-33	S 00°47'01" W - 1439.61'	1026-41	S 00°46'47" W - 1431.96'	1026-49	S 00°46'35" W - 899.67'	1027-5	S 08°15'13" W - 420.05'								
1026-26	S 11°42'17" E - 420.12'	1026-34	S 13°16'41" W - 420.00'	1026-42	S 13°16'31" W - 420.03'	1026-50	S 13°16'40" W - 420.03'	1027-6	S 04°13'14" E - 1379.71'								
1026-27	S 00°47'23" W - 1436.12'	1026-35	S 00°47'09" W - 1439.71'	1026-43	S 00°46'45" W - 1439.62'	1026-51	S 00°45'28" W - 59.67'	1028									
1026-28	S 13°15'49" W - 420.10'	1026-36	S 11°42'15" E - 420.04'	1026-44	S 11°42'22" E - 420.03'	1026-52	S 04°12'45" E - 531.08'										
1026-29	S 00°46'49" W - 1438.49'	1026-37	S 00°46'54" W - 1439.60'	1026-45	S 00°46'56" W - 1439.69'	1027-1	S 16°42'56" E - 420.09'										
1026-30	S 11°42'14" E - 419.92'	1026-38	S 11°42'31" E - 420.11'	1026-46	S 11°42'50" E - 420.05'	1027-2	S 04°13'52" E - 1130.25'										
1026-31	S 00°46'25" W - 1439.34'	1026-39	S 00°46'26" W - 1432.00'	1026-47	S 00°46'42" W - 1379.62'	1027-3	S 16°43'46" E - 420.07'										
1026-32	S 13°16'16" W - 420.11'	1026-40	S 13°16'18" W - 419.94'	1026-48	S 13°16'45" W - 420.09'	1027-4	S 04°13'40" E - 1438.47'										

P1 - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 Chitina
 1-12 81
 10-20 A

RECORDED - FILED
 Valdez
 1-12 81
 10-10 A

RECORDED - FILED
 Chitina
 1-12 81
 10-20 A

RECORDED - FILED
 Valdez
 1-12 81
 10-10 A

81-1
 RECORDED - FILED
 Chitina
 1-12 81
 10-20 A

81-1
 RECORDED - FILED
 Valdez
 1-12 81
 10-10 A

AL-00-G101 SHEET 120 OF 143

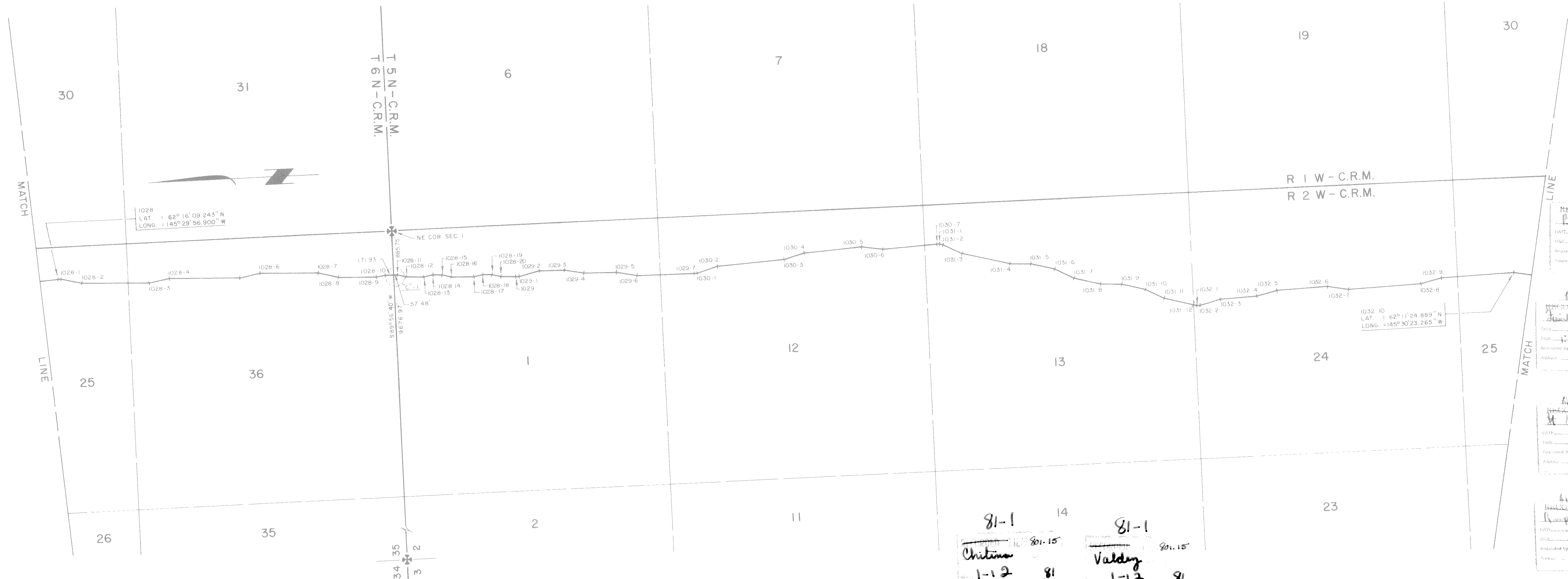
ER-

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>J. C. Hawks</i>

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA E.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. 7 N., R. 2 W., & T. 6 N., R. 2 W., C.R.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name <i>Gamma Zupel Jr.</i>	Title Chief, Division of Cadastral Survey	Approval Recommended	Name <i>Ed Stent</i> 11/26/80
Approved	Name <i>J. C. Hawks</i>	Title Authorized Officer	Approved	Name <i>Ed Stent</i>
File No.				File No. 102-12

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	
I027-6	S 04° 13' 14" E - 1379.71'	I028-7	S 14° 57' 17" W - 420.05'	I028-15	S 14° 56' 23" W - 179.97'	I029-2	S 00° 11' 57" W - 493.98'	I030-3	S 15° 44' 57" E - 420.06'	I031-4	S 02° 47' 12" W - 420.10'	I031-12	S 06° 53' 47" W - 60.08'	I032-8	S 14° 03' 07" E - 420.02'					
I028	S 02° 27' 38" W - 59.94'	I028-8	S 02° 28' 14" W - 758.60'	I028-16	S 02° 26' 00" W - 459.81'	I029-3	S 13° 33' 56" W - 390.81'	I030-4	S 03° 09' 26" E - 1151.07'	I031-5	S 15° 15' 44" W - 489.47'	I032-1	S 01° 37' 03" E - 59.76'	I032-9	S 01° 33' 51" E - 1439.64'					
I028-1	S 14° 57' 51" W - 420.56'	I028-9	S 10° 00' 34" E - 179.95'	I028-17	S 10° 02' 30" E - 179.96'	I029-4	S 00° 11' 08" W - 645.64'	I030-5	S 09° 22' 46" W - 420.06'	I031-6	S 27° 45' 52" W - 420.15'	I032-2	S 14° 04' 10" E - 419.99'	I032-10	S 10° 57' 21" W - 419.82'					
I028-2	S 02° 28' 45" W - 1333.44'	I028-10	S 02° 28' 14" W - 229.41'	I028-18	S 02° 29' 23" W - 178.80'	I029-5	S 12° 39' 22" W - 420.20'	I030-6	S 03° 09' 37" E - 1081.65'	I031-7	S 15° 15' 23" W - 542.31'	I032-3	S 01° 32' 56" E - 720.41'	I032-11						
I028-3	S 10° 01' 07" E - 420.20'	I028-11	S 14° 58' 59" W - 180.00'	I028-19	S 14° 55' 57" W - 179.97'	I029-6	S 00° 09' 47" W - 1140.91'	I030-7	S 05° 45' 15" W - 58.34'	I031-8	S 02° 46' 35" W - 420.00'	I032-4	S 14° 03' 42" E - 420.11'							
I028-4	S 02° 28' 20" W - 1393.66'	I028-12	S 02° 31' 24" W - 359.85'	I028-20	S 02° 28' 43" W - 299.58'	I029-7	S 03° 08' 45" E - 59.95'	I031-1	S 15° 19' 46" W - 61.58'	I031-9	S 15° 14' 48" W - 480.42'	I032-5	S 01° 33' 54" E - 1020.78'							
I028-5	S 10° 00' 44" E - 420.13'	I028-13	S 09° 48' 01" E - 183.93'	I029	S 00° 07' 34" W - 59.95'	I030-1	S 15° 34' 24" E - 420.08'	I031-2	S 27° 45' 46" W - 420.06'	I031-10	S 27° 46' 04" W - 420.17'	I032-6	S 10° 55' 27" W - 420.07'							
I028-6	S 02° 28' 22" W - 1139.77'	I028-14	S 02° 27' 46" W - 179.80'	I029-1	S 12° 19' 44" E - 419.91'	I030-2	S 03° 08' 45" E - 1331.47'	I031-3	S 15° 16' 20" W - 967.47'	I031-11	S 15° 16' 35" W - 599.64'	I032-7	S 01° 33' 37" E - 1439.79'							

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-1-80
 Requested by: [Signature]
 Address: [Address]

RECORDED - FILED
 DATE: 1-1-80
 Requested by: [Signature]
 Address: [Address]

RECORDED - FILED
 DATE: 1-1-80
 Requested by: [Signature]
 Address: [Address]

RECORDED - FILED
 DATE: 1-1-80
 Requested by: [Signature]
 Address: [Address]

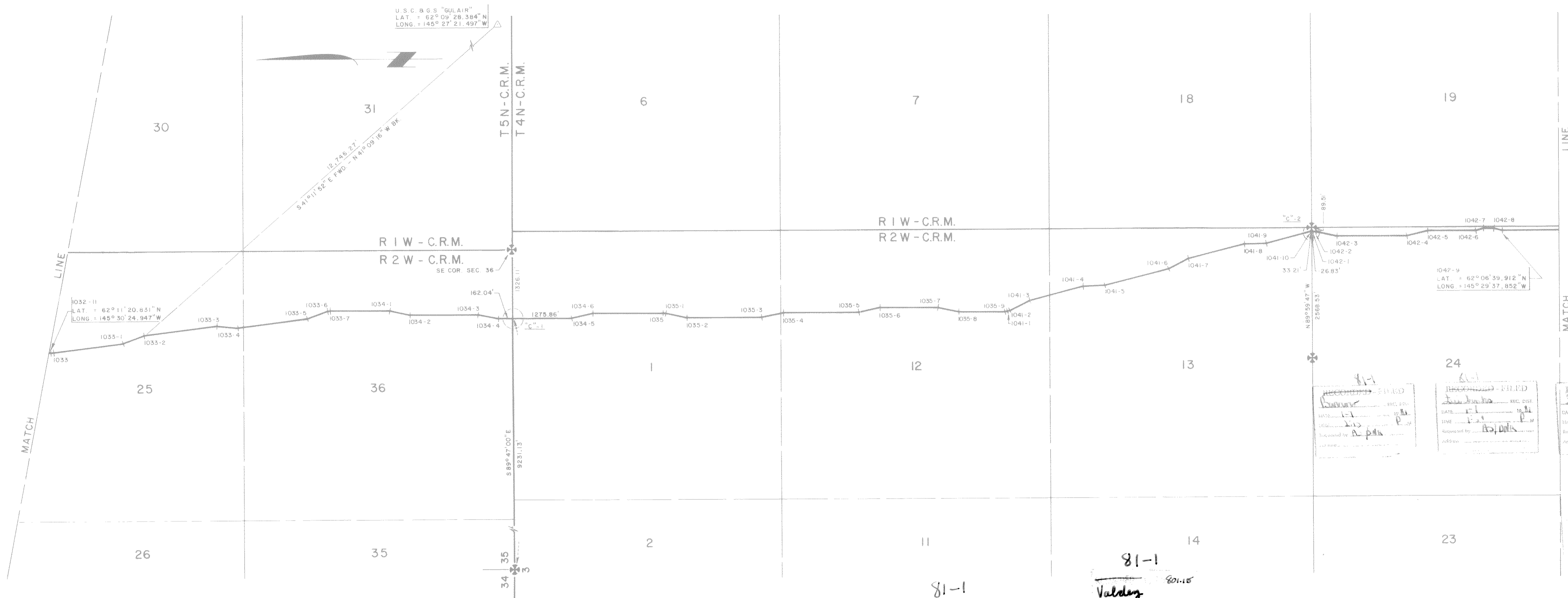
Date of Survey	Beginning	Feb, 1977	Ending	Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. #84 F.M. LINDSEY & ASSOC.
Drawn by	C.F.G.	Approved	R.C.D.	Scale	1" = 1000'	Lic. 1637-S
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.6N., R.2W., & T.5N., R.2W., C.R.M., ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended			Approval Recommended			
Name: [Signature]			Name: [Signature] 11/26/80			
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. 102-12			

AL-00-GIOI SHEET 121 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 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
1032-10	S 10° 57' 21" W - 419.82'	1033-6	S 07° 25' 19" E - 59.88'	1035	S 00° 06' 47" W - 59.69'	1035-8	S 00° 05' 42" W - 899.85'	1041-7	S 14° 20' 34" E - 1137.59'	1042-5	S 00° 00' 07" W - 945.55'								
1032-11	S 01° 33' 32" E - 60.05'	1033-7	S 00° 07' 17" E - 1150.07'	1035-1	S 12° 35' 10" W - 420.11'	1035-9	S 07° 07' 17" E - 60.05'	1041-8	S 01° 50' 53" E - 420.18'	1042-6	S 12° 27' 30" E - 180.23'								
1033	S 07° 17' 59" E - 1383.03'	1034-1	S 12° 23' 32" W - 419.60'	1035-2	S 00° 06' 25" W - 1488.15'	1041-1	S 14° 20' 55" E - 60.02'	1041-9	S 14° 19' 39" E - 899.77'	1042-7	S 00° 00' 19" E - 179.73'								
1033-1	S 19° 46' 09" E - 420.15'	1034-2	S 00° 07' 26" E - 1330.07'	1035-3	S 12° 23' 02" E - 419.96'	1041-2	S 26° 51' 20" E - 419.79'	1041-10	S 07° 15' 31" E - 60.04'	1042-8	S 12° 32' 01" W - 180.28'								
1033-2	S 07° 17' 56" E - 1442.38'	1034-3	S 12° 21' 47" W - 420.16'	1035-4	S 00° 05' 27" W - 1486.45'	1041-3	S 14° 21' 17" E - 1084.76'	1042-1	S 00° 00' 26" W - 59.86'	1042-9	S 00° 00' 16" E - 2013.92'								
1033-3	S 05° 12' 25" W - 420.11'	1034-4	S 00° 07' 59" E - 1437.90'	1035-5	S 12° 22' 21" E - 420.05'	1041-4	S 01° 50' 00" E - 420.17'	1042-2	S 12° 27' 59" W - 420.09'	1042-10									
1033-4	S 07° 17' 09" E - 1377.43'	1034-5	S 12° 36' 28" E - 420.05'	1035-6	S 00° 05' 05" W - 1138.67'	1041-5	S 14° 19' 50" E - 1322.69'	1042-3	S 00° 00' 21" E - 1365.65'										
1033-5	S 19° 46' 03" E - 420.17'	1034-6	S 00° 07' 28" E - 1378.24'	1035-7	S 12° 36' 14" W - 419.95'	1041-6	S 26° 52' 56" E - 420.03'	1042-4	S 12° 29' 14" E - 420.17'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



<p>RECORDED - FILED</p> <p>DATE: 1-12-81</p> <p>TIME: 10:20 A</p> <p>Requested by: A. D. A.</p>	<p>RECORDED - FILED</p> <p>DATE: 1-12-81</p> <p>TIME: 10:20 A</p> <p>Requested by: A. D. A.</p>	<p>RECORDED - FILED</p> <p>DATE: 1-12-81</p> <p>TIME: 10:20 A</p> <p>Requested by: A. D. A.</p>
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81-1
Valdey
1-12 81
10:20 A

AL-00-GIOI SHEET 122 OF 143

ER-

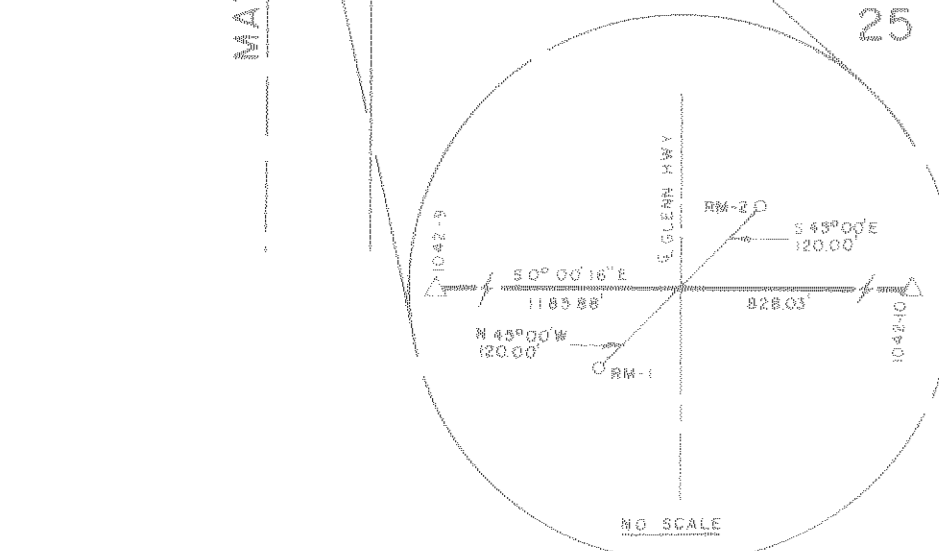
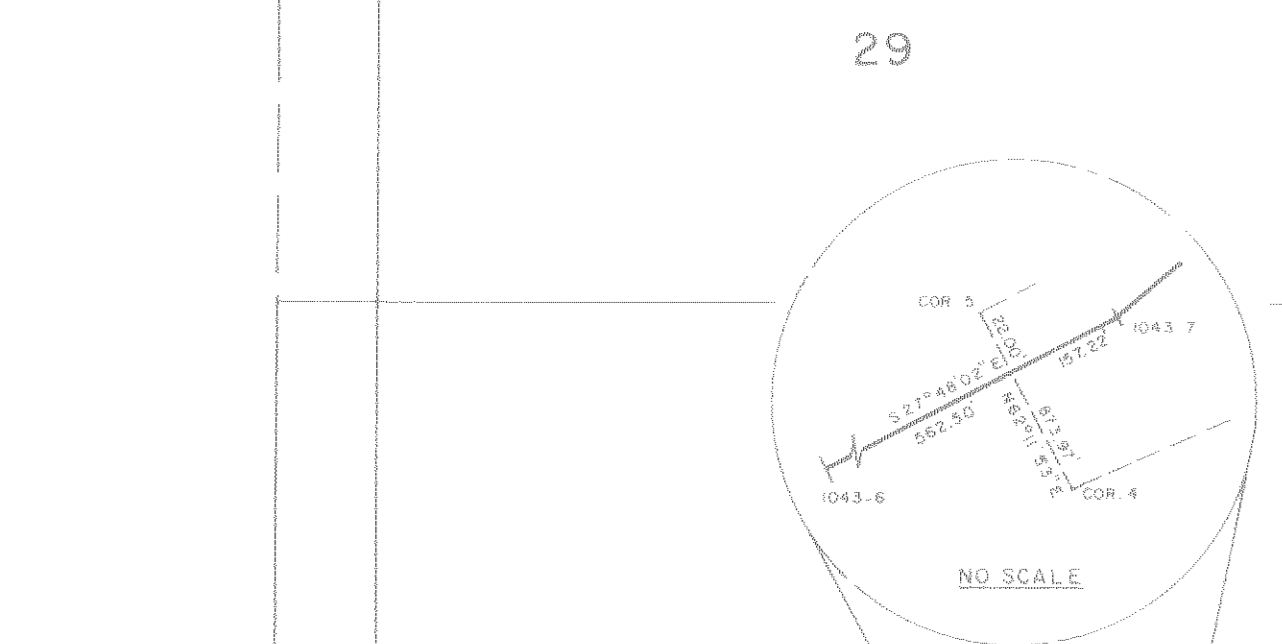
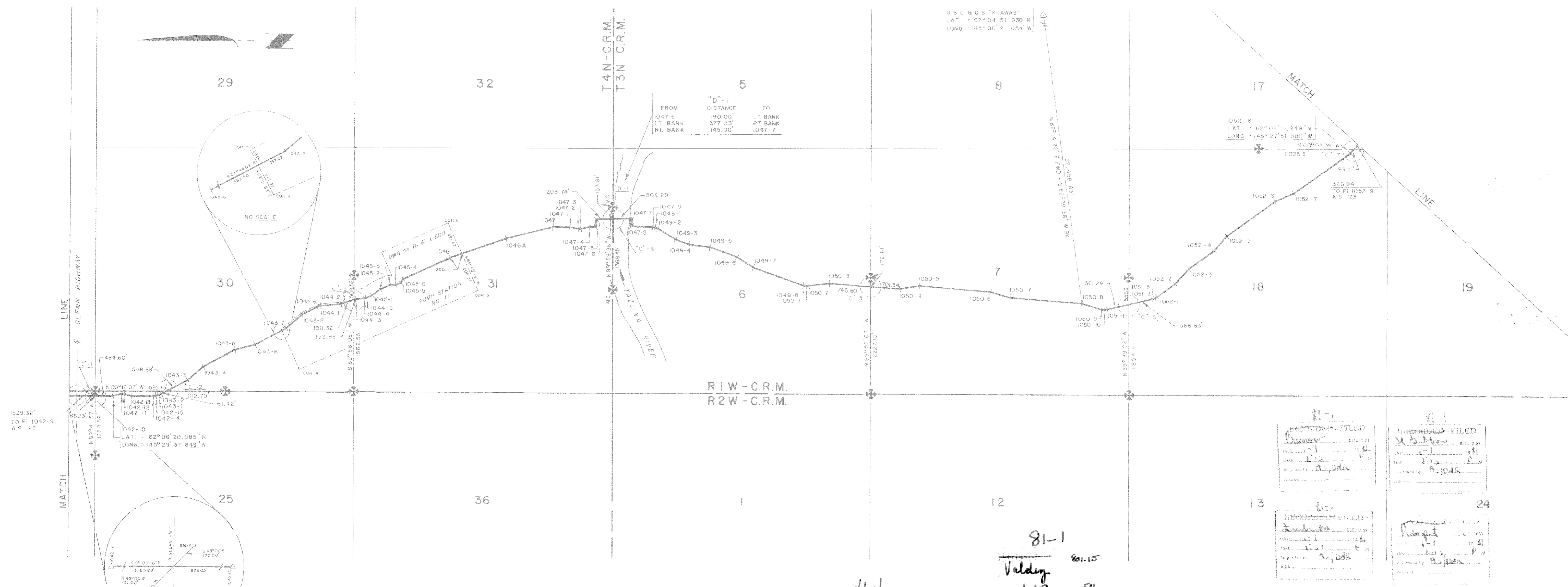
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended: <i>M. J. Smith</i>
Approval: <i>J. C. Hilde</i>

Date of Survey: Feb. 1977	Name of Surveyor: OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Ending: 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.5N., R.2W., & T.4N., R.2W., C.R.M., ALASKA	
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended Name: <i>James J. Smith</i> Title: Chief, Division of Geographical Survey Bureau of Land Management	Approval Recommended Name: <i>Richard C. Davis</i> 11/26/80 Title: Chief Cadastral Surveyor
Approved Name: <i>Richard C. Davis</i> Title: Acting Authorized Officer	Approved Name: <i>Richard C. Davis</i> Title: Authorized Officer
File No.	File No. 102-12

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	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
1042-9	S00°00'16"E	-	2013.92'	1043-2	S27°49'06"E	-	610.31'	1044-1	S05°48'39"E	-	419.92'	1045-4	S24°13'51"E	-	103.34'	1047-3	S12°57'02"E	-	180.09'	1049-2	S32°07'22"W	-	420.82'	1050-2	S08°13'15"E	-	420.01'	1050-10	S04°21'52"E	-	62.60'	1052-9	S35°49'49"E	-	1199.75'
1042-10	S12°28'29"E	-	180.27'	1043-3	S40°16'49"E	-	420.29'	1044-2	S18°18'29"E	-	303.30'	1045-5	S56°04'18"E	-	94.92'	1047-4	S00°20'53"E	-	139.51'	1049-3	S19°37'40"W	-	298.40'	1050-3	S04°18'01"W	-	1447.94'	1051-1	S12°04'30"E	-	927.87'	1052-6	S23°21'17"E	-	420.08'
1042-11	S00°01'05"W	-	50.69'	1043-4	S27°49'06"E	-	728.08'	1044-3	S05°47'48"E	-	179.84'	1045-6	S24°19'23"E	-	1099.78'	1047-5	N89°34'08"E	-	164.87'	1049-4	S07°09'21"W	-	420.06'	1050-4	S08°11'40"E	-	420.03'	1051-2	S18°43'04"E	-	59.68'	1052-7	S35°50'39"E	-	1439.85'
1042-12	S12°26'32"W	-	180.65'	1043-5	S15°20'03"E	-	420.13'	1044-4	S18°28'04"E	-	59.48'	1046	S19°33'05"E	-	1205.78'	1047-6	S00°26'36"E	-	712.03'	1049-5	S19°39'01"W	-	587.93'	1050-5	S04°18'16"W	-	1448.01'	1051-3	S30°06'33"E	-	59.86'	1052-8	S48°19'09"E	-	420.09'
1042-13	S00°01'10"E	-	410.12'	1043-6	S27°48'02"E	-	719.72'	1044-5	S24°04'52"E	-	119.68'	1046A	S14°18'47"E	-	983.11'	1047-7	S89°34'58"W	-	164.94'	1049-6	S32°38'20"W	-	406.13'	1050-6	S16°46'42"W	-	420.03'	1051-4	S35°06'40"E	-	446.31'	1052-1	S48°20'01"E	-	420.26'
1042-14	S04°44'03"E	-	60.02'	1043-7	S40°17'24"E	-	420.54'	1045-1	S36°41'14"E	-	179.92'	1047	S00°27'01"E	-	345.52'	1047-8	S00°29'08"E	-	425.52'	1049-7	S19°38'28"W	-	1076.72'	1050-7	S04°17'42"W	-	1469.37'	1051-5	S48°20'01"E	-	420.26'	1052-2	S35°52'13"E	-	616.77'
1042-15	S13°05'13"E	-	60.02'	1043-8	S27°42'34"E	-	359.93'	1045-2	S24°12'48"E	-	215.03'	1047-1	S12°04'37"W	-	179.72'	1047-9	S09°33'56"W	-	60.19'	1049-8	S11°56'32"W	-	59.83'	1050-8	S16°47'19"W	-	419.99'	1051-6	S35°52'13"E	-	616.77'	1052-3	S48°17'55"E	-	420.01'
1043-1	S22°59'52"E	-	60.00'	1043-9	S18°55'48"E	-	62.64'	1045-3	S02°48'23"W	-	109.87'	1047-2	S00°35'56"E	-	59.79'	1049-1	S19°40'31"W	-	59.88'	1050-1	S04°25'23"W	-	59.75'	1050-9	S04°20'01"W	-	62.72'	1051-7	S48°17'55"E	-	420.01'				

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



FROM	"D"-1	TO
DISTANCE	190.00'	LT. BANK
	377.03'	RT. BANK
	145.00'	1047-7

U.S.C. & G.S. "KLAWSI"
 LAT = 62°04'51.930"N
 LONG = 145°00'21.054"W

RECORDED - FILED

DATE: 1-12-81

TIME: 10:10 A

Requested by: A. J. Davis

RECORDED - FILED

DATE: 1-12-81

TIME: 10:10 A

Requested by: A. J. Davis

81-1
 Valdez 801.15
 1-12 81
 10:10 A
 A. J. Davis
 Valdez Pipeline Service
 Valdez, Alaska 99586

AL-00-GIOI SHEET 123 OF 143

ER-

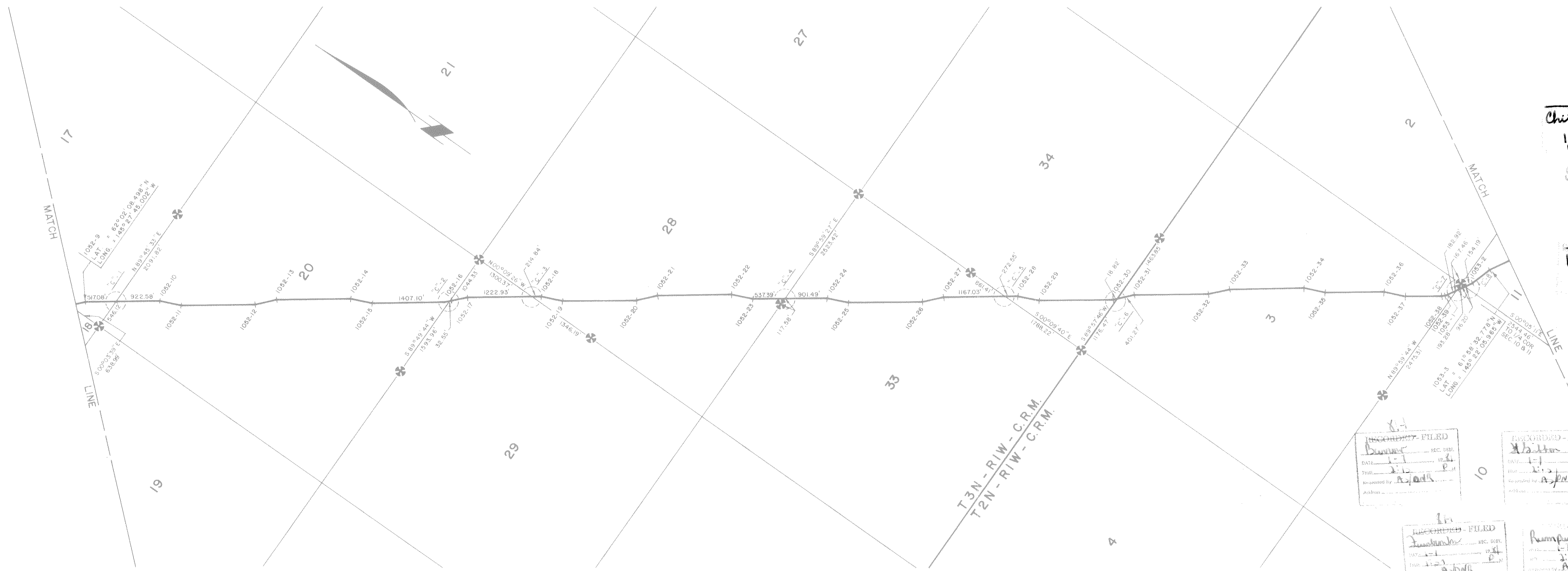
DATE	REVISION	BY	CHKD	APP

Date of Survey	Beginning	Ending	Name of Surveyor
Feb. 1977	Oct. 1980	RICHARD C. DAVIS	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Drawn by	Approved	R.C.D.	Scale 1" = 1000'
A.D.A.			
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.4N, R.2W & R.1W, & T.3N., R.1W, C.R.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR ALYESKA PIPELINE SERVICE CO., AGENT TRANS ALASKA PIPELINE SYSTEM PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name	Approval Recommended	Name
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Title	Title	Title	Title
Chief, Division of Geospatial Survey	Chief, Cadastral Surveyor	Chief, Cadastral Surveyor	11/26/80
Approval	Name	Approval	Name
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Title	Title	Title	Title
Authorized Officer	Authorized Officer	Authorized Officer	Authorized Officer
File No	File No	File No	File No
			102-12

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	
1052-8	S 48° 19' 09" E	-	420.09'	1052-16	S 48° 18' 00" E	-	419.69'	1052-24	S 23° 18' 21" E	-	420.09'	1052-32	S 48° 15' 44" E	-	420.35'	1053-1	S 60° 08' 26" E	-	530.39'					
1052-9	S 35° 49' 05" E	-	1439.66'	1052-17	S 35° 48' 42" E	-	1437.77'	1052-25	S 35° 48' 35" E	-	1439.66'	1052-33	S 35° 46' 25" E	-	1439.41'	1053-2	S 72° 37' 26" E	-	419.90'					
1052-10	S 23° 20' 32" E	-	420.13'	1052-18	S 23° 18' 36" E	-	420.17'	1052-26	S 48° 17' 08" E	-	420.07'	1052-34	S 23° 15' 15" E	-	419.74'	1053-3	S 60° 07' 38" E	-	950.92'					
1052-11	S 35° 48' 26" E	-	1439.67'	1052-19	S 35° 49' 02" E	-	1436.85'	1052-27	S 35° 48' 32" E	-	1439.58'	1052-35	S 35° 45' 47" E	-	1139.52'	1053-4								
1052-12	S 48° 18' 54" E	-	420.19'	1052-20	S 48° 18' 56" E	-	420.19'	1052-28	S 23° 17' 25" E	-	420.24'	1052-36	S 23° 17' 42" E	-	420.26'									
1052-13	S 35° 48' 53" E	-	1439.75'	1052-21	S 35° 48' 38" E	-	1436.92'	1052-29	S 35° 47' 01" E	-	1439.58'	1052-37	S 35° 45' 15" E	-	717.14'									
1052-14	S 23° 18' 59" E	-	420.05'	1052-22	S 23° 19' 19" E	-	420.06'	1052-30	S 48° 16' 44" E	-	420.09'	1052-38	S 42° 00' 40" E	-	59.73'									
1052-15	S 35° 49' 01" E	-	1439.65'	1052-23	S 35° 47' 13" E	-	1438.88'	1052-31	S 35° 46' 38" E	-	1439.73'	1052-39	S 54° 03' 02" E	-	59.43'									

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina 20.15
1-12 81
10:20 A
A.J. Park
Alaska Pipeline Service
March 11, 1980

81-1
Valdez 20.15
1-12 81
10:10 A
A.J. Park
Alaska Pipeline Service
March 11, 1980

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

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

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

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

Date of Survey	Beginning	Ending	Name of Surveyor	RICHARD C. DAVIS	LB. No.	1637-S
Feb. 1977	Oct., 1980		OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.			
Drawn by	Approved	R.C.D.	Scale	1" = 1000'		
R.H.M.						
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.3N, R.1W, & T.2N, R.1W, C.R.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] 11/26/80			
Title: Chief, Division of Geodetic Survey Bureau of Land Management			Title: Chief Cadastral Surveyor			
Approval			Approval			
Name: [Signature]			Name: [Signature]			
Title: Acting Authorized Officer			Title: Authorized Officer			
File No.			File No. 102-12			

AL-00-G101 SHEET 124 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 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
1053-3	S 60°07'38"E - 950.92'	1054-3	S 65°23'11"E - 180.29'	1060-1	S 29°18'03"E - 180.14'	1061-6	S 04°18'38"E - 721.70'	1062-5	S 27°26'16"E - 420.12'	1062-13	S 27°33'56"E - 420.27'								
1053-4	S 47°38'52"E - 419.85'	1054-4	S 52°42'21"E - 371.65'	1060-2	S 16°48'03"E - 124.91'	1061-7	S 16°48'45"E - 418.48'	1062-6	S 14°07'20"E - 1437.61'	1062-14	S 14°06'22"E - 1439.63'								
1053-5	S 60°07'29"E - 1129.42'	1055	S 39°37'31"E - 3017.91'	1060-3	S 04°16'20"E - 61.47'	1061-8	S 04°16'59"E - 538.45'	1062-7	S 02°28'01"E - 420.22'	1062-15	S 02°22'13"E - 419.98'								
1053-6	S 72°43'59"E - 415.98'	1056	S 31°22'30"E - 3185.68'	1061-1	S 08°12'32"W - 179.75'	1062	S 14°47'49"E - 59.63'	1062-8	S 14°55'18"E - 1435.64'	1062-16	S 15°16'54"E - 59.95'								
1053-7	S 60°08'40"E - 51.46'	1056A	S 30°42'08"E - 1753.68'	1061-2	S 04°18'03"E - 606.19'	1062-1	S 27°27'47"E - 420.03'	1062-9	S 27°33'47"E - 420.25'	1063	S 22°33'30"E - 1207.76'								
1054	S 53°03'56"E - 426.63'	1057	S 30°42'08"E - 1753.68'	1061-3	S 08°12'12"W - 420.07'	1062-2	S 14°57'08"E - 489.02'	1062-10	S 14°56'19"E - 1437.98'	1063-1									
1054-1	S 40°30'26"E - 179.99'	1058	S 08°53'25"W - 236.61'	1061-4	S 04°17'42"E - 1228.11'	1062-3	S 02°26'20"E - 420.15'	1062-11	S 14°57'39"E - 1439.57'										
1054-2	S 53°31'50"E - 59.67'	1059	S 17°19'09"E - 357.84'	1061-5	S 08°13'59"W - 419.88'	1062-4													

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina 801.15
1-12 10:20 A
A-1/DNA
Alaska Pipeline Survey
of the Alaska 1977

81-1
Valdez 801.15
1-12 10:20 A
A-1/DNA
Alaska Pipeline Survey
of the Alaska 1977

Date of Survey	Beginning	Ending	Name of Surveyor
Feb, 1977	Feb, 1977	Oct, 1980	RICHARD C. DAVIS
Drawn by	Approved	RCD	Scale
A.D.A.			1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 2N., R.I.W., & R.I.E., & T. 1N., R.I.E., C.R.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended		Approval Recommended	
Name: <i>M. J. Smith</i>		Name: <i>W. J. Best</i> 11/24/80	
Title: Chief, Division of Geodetic Survey Bureau of Land Management		Title: Chief Cadastral Surveyor	
Approved		Approved	
Name: <i>H. Kohl</i>		Name: <i>W. J. Best</i>	
Title: Acting Authorized Officer		Title: Authorized Officer	
File No.		File No. 102-12	

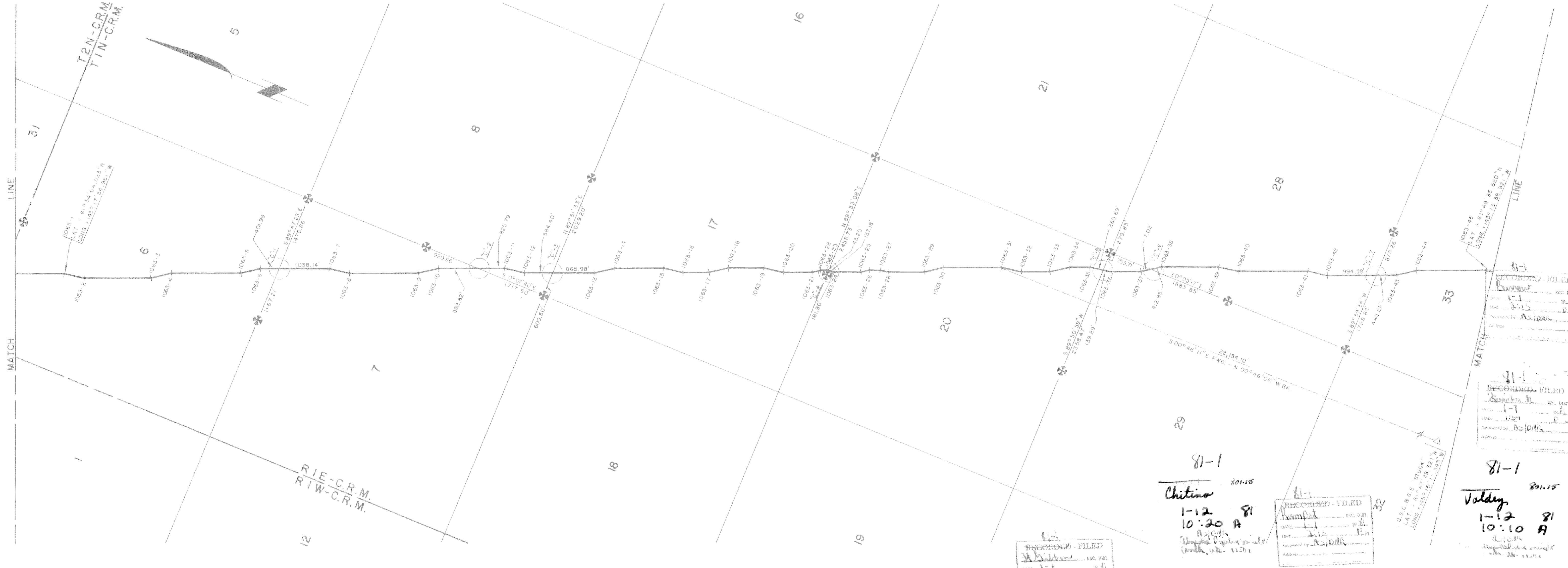
AL-00-GIOI SHEET 125 OF 143 ER-

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>J. C. Hark</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		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT	
1063	S 22° 33' 30" E	1207.78'	1063-8	S 22° 34' 56" E	1439.67'	1063-16	S 22° 34' 12" E	539.84'	1063-24	S 22° 33' 33" E	542.58'	1063-32	S 22° 27' 08" E	600.56'	1063-40	S 22° 31' 39" E	1439.34'				
1063-1	S 09° 56' 41" E	420.16'	1063-9	S 35° 08' 11" E	420.11'	1063-17	S 35° 14' 46" E	420.18'	1063-25	S 35° 19' 52" E	180.11'	1063-33	S 35° 25' 16" E	420.06'	1063-41	S 09° 55' 51" E	420.47'				
1063-2	S 22° 32' 54" E	1389.41'	1063-10	S 22° 31' 35" E	1388.41'	1063-18	S 22° 33' 12" E	720.14'	1063-26	S 22° 33' 20" E	214.73'	1063-34	S 22° 30' 33" E	419.96'	1063-42	S 22° 31' 27" E	1439.87'				
1063-3	S 35° 12' 30" E	419.82'	1063-11	S 09° 59' 36" E	419.93'	1063-19	S 09° 58' 31" E	420.12'	1063-27	S 09° 59' 21" E	180.53'	1063-35	S 09° 49' 27" E	419.98'	1063-43	S 35° 14' 15" E	419.70'				
1063-4	S 22° 29' 53" E	1439.91'	1063-12	S 22° 32' 33" E	1450.38'	1063-20	S 22° 31' 35" E	599.68'	1063-28	S 22° 33' 00" E	742.32'	1063-36	S 22° 32' 29" E	660.45'	1063-44	S 22° 31' 19" E	1440.09'				
1063-5	S 35° 15' 52" E	420.20'	1063-13	S 35° 13' 56" E	419.82'	1063-21	S 35° 27' 49" E	180.54'	1063-29	S 35° 14' 31" E	420.16'	1063-37	S 35° 12' 47" E	419.87'	1063-45	S 09° 46' 47" E	419.37'				
1063-6	S 22° 33' 04" E	1440.13'	1063-14	S 22° 33' 38" E	1020.12'	1063-22	S 22° 33' 42" E	119.64'	1063-30	S 22° 33' 12" E	1200.03'	1063-38	S 22° 32' 02" E	1199.81'	1063-46						
1063-7	S 09° 51' 02" E	420.20'	1063-15	S 09° 50' 06" E	420.18'	1063-23	S 09° 53' 33" E	180.38'	1063-31	S 09° 51' 25" E	420.09'	1063-39	S 09° 54' 51" E	420.00'							

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



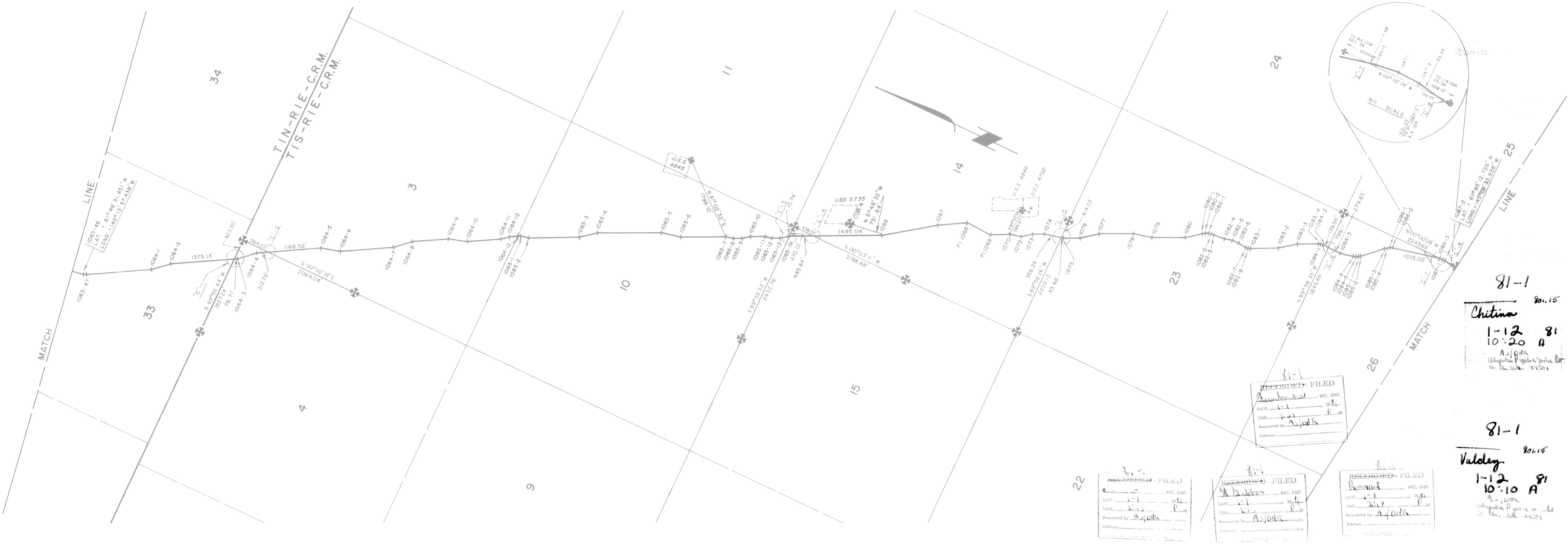
AL-00-G101 SHEET 126 OF 143 ER-

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

Date of Survey	Beginning	Ending	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba EM 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.I.N., R.I.E., C.R.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended	<i>James J. J. J.</i>			Approval Recommended	<i>W. J. J. J.</i> 11/24/80		
Name	Chief, Division of Geodetic Survey			Name	Chief Cadastral Surveyor		
Title	Bureau of Land Management			Title			
Approved	<i>J.C. Harke</i>			Approved	<i>W. J. J. J.</i>		
Name	Acting Authorized Officer			Name	Authorized Officer		
Title				Title			
File No.				File No.	102-13		

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				
1063-45	S 09°46'47" E	419.37'		1064-6	S 29°25'00" E	1141.03'		1065-1	S 12°32'16" E	179.89'		1066-8	S 02°31'00" W	570.07'		1077	S 25°30'08" E	732.81'		1082-3	S 03°58'20" E	233.75'		1083-3	S 25°30'52" E	451.16'		1085-2	S 42°27'16" E	535.10'	
1063-46	S 22°58'35" E	60.13'		1064-7	S 42°05'48" E	420.11'		1065-2	S 25°34'22" E	1068.66'		1066-9	S 25°48'05" E	406.17'		1078	S 12°34'58" E	407.37'		1082-4	S 16°26'37" E	179.95'		1083-4	S 18°34'50" E	41.27'		1085-3	S 37°09'47" E	62.61'	
1063-47	S 29°23'39" E	1392.35'		1064-8	S 29°25'15" E	777.28'		1065-3	S 38°14'49" E	420.32'		1067-0	S 12°29'00" E	240.32'		1079	S 25°23'52" E	723.65'		1082-5	S 03°59'15" E	149.96'		1084-1	S 11°39'57" E	41.07'		1085-4	S 28°05'34" E	63.23'	
1064-1	S 42°06'12" E	420.11'		1064-9	S 16°44'07" E	420.29'		1065-4	S 25°31'47" E	1367.89'		1068-1	S 37°22'49" E	257.03'		1080	S 37°38'44" E	372.35'		1082-6	S 08°58'12" W	179.42'		1084-2	S 00°53'47" W	419.39'		1086-1	S 17°46'06" E	62.41'	
1064-2	S 29°20'48" E	1451.84'		1064-10	S 29°25'22" E	719.83'		1065-5	S 12°59'50" E	419.80'		1069-2	S 35°32'45" E	254.58'		1080-1	S 32°39'19" E	60.88'		1082-7	S 03°48'37" E	48.74'		1084-3	S 11°35'08" E	286.38'		1086-2	S 13°02'32" E	1026.60'	
1064-3	S 42°05'38" E	420.00'		1064-11	S 42°04'36" E	180.08'		1065-6	S 25°39'02" E	959.88'		1070	S 12°46'30" E	409.76'		1080-2	S 25°34'23" E	61.18'		1082-8	S 14°34'08" E	49.00'		1084-4	S 17°01'53" E	50.86'		1086-3	S 07°47'09" E	59.49'	
1064-4	S 29°25'42" E	1381.31'		1064-12	S 29°33'17" E	180.01'		1065-7	S 12°35'37" E	180.75'		1071	S 25°19'29" E	376.75'		1080-3	S 16°54'12" E	61.23'		1083-1	S 25°28'05" E	611.06'		1084-5	S 27°00'38" E	51.17'		1087-1	S 02°40'07" W	60.33'	
1064-5	S 16°40'29" E	420.13'		1064-13	S 26°23'43" E	59.88'		1065-8	S 25°44'12" E	179.75'		1072	S 30°29'06" E	628.14'		1076	S 38°32'29" E	410.40'		1083-2	S 37°56'07" E	419.52'		1085-1	S 37°22'34" E	51.25'		1087-2	S 07°31'35" W	1091.01'	

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Chitima
 1-12 81
 10-20 A
 A. J. Davis
 Valdez Pipeline Service Co.
 Valdez, Alaska 99586

81-1
 Valdeley
 1-12 81
 10-10 A
 A. J. Davis
 Valdez Pipeline Service Co.
 Valdez, Alaska 99586

No.	DATE	REVISION	BY	CHKD	APP	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>A. C. Harle</i>

Date of Survey: _____ Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Beginning: Feb, 1977 Ending: Oct, 1980 Surveyor: 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.N., R.I.E., & T.I.S., R.I.E., C.R.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended Name: <i>Thomas J. Zappella</i> Title: Chief, Division of Cadastral Survey, Bureau of Land Management	Approval Recommended Name: <i>Walter H. Stricker</i> Title: Chief Cadastral Surveyor
Approved Name: <i>C. J. Kold</i> Title: Acting Authorized Officer M.O. 1880	Approved Name: <i>Walter H. Stricker</i> Title: Authorized Officer
File No. _____	File No. 102-13

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				
1087-2	S 07° 31' 35" W	-	1091.01'	1088-3	S 06° 16' 13" W	-	419.63'	1088-11	S 25° 29' 39" W	-	420.19'	1089-4	S 20° 19' 07" W	-	1437.04'	1089-12	S 34° 31' 54" W	-	60.12'	1090-8	S 36° 16' 03" W	-	59.50'	1092-4	S 01° 39' 27" E	-	464.47'
1087-3	S 06° 06' 13" E	-	419.64'	1088-4	S 13° 01' 21" W	-	1197.28'	1088-12	S 13° 00' 58" W	-	1316.85'	1089-5	S 32° 58' 25" W	-	419.20'	1090-1	S 43° 57' 47" W	-	59.40'	1091-1	S 27° 25' 59" W	-	58.86'	1092-5	S 14° 08' 50" E	-	420.13'
1087-4	S 07° 32' 11" W	-	732.83'	1088-5	S 25° 42' 08" W	-	419.71'	1088-13	S 00° 17' 25" W	-	420.59'	1089-6	S 20° 19' 03" W	-	1437.58'	1090-2	S 46° 49' 15" W	-	1006.23'	1091-2	S 23° 33' 03" W	-	673.85'	1092-6	S 01° 38' 35" E	-	479.77'
1087-5	S 05° 14' 53" E	-	419.36'	1088-6	S 12° 56' 44" W	-	1028.10'	1088-14	S 13° 36' 45" W	-	59.85'	1089-7	S 07° 48' 57" W	-	419.28'	1090-3	S 61° 28' 13" W	-	414.79'	1091-3	S 20° 09' 16" W	-	52.20'	1092-7			
1087-6	S 07° 59' 22" W	-	60.39'	1088-7	S 25° 41' 30" W	-	420.27'	1089	S 20° 19' 56" W	-	963.97'	1089-8	S 20° 20' 50" W	-	1197.88'	1090-4	S 48° 48' 44" W	-	955.19'	1091-4	S 10° 25' 23" W	-	52.37'				
1087-7	S 12° 59' 26" W	-	772.01'	1088-8	S 12° 59' 58" W	-	1148.88'	1089-1	S 32° 59' 06" W	-	419.95'	1089-9	S 07° 38' 28" W	-	419.88'	1090-5	S 61° 49' 37" W	-	403.07'	1092-1	S 02° 41' 21" W	-	52.24'				
1088-1	S 25° 43' 00" W	-	419.50'	1088-9	S 00° 22' 22" W	-	419.62'	1089-2	S 20° 19' 48" W	-	1263.91'	1089-10	S 20° 20' 34" W	-	1077.63'	1090-6	S 48° 50' 08" W	-	960.58'	1092-2	S 01° 38' 39" E	-	480.74'				
1088-2	S 13° 02' 44" W	-	1191.50'	1088-10	S 12° 59' 50" W	-	1437.32'	1089-3	S 07° 36' 46" W	-	419.81'	1089-11	S 24° 59' 38" W	-	60.33'	1090-7	S 44° 54' 48" W	-	59.15'	1092-3	S 14° 14' 49" E	-	415.27'				

PT - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina
1-12-81
10:20 A
AS/DNA

81-1
Valdez
1-12-81
10:10 A
AS/DNA

RECORDED - FILED
Rampart
DATE: 1-1-81
TIME: 2:15 P.M.
Requested by: AS/DNA

RECORDED - FILED
Pt. Barrow
DATE: 1-1-81
TIME: 2:15 P.M.
Requested by: AS/DNA

81-1
RECORDED - FILED
Date: 1-1-81
Time: 1:11 P.M.
Requested by: A.L.M.S.

RECORDED - FILED
Date: 1-1-81
Time: 1:11 P.M.
Requested by: A.L.M.S.

U.S.C. 80.5" TANGING
LAT. = 61° 39' 59" 918" N
LONG. = 145° 15' 43" 140" W

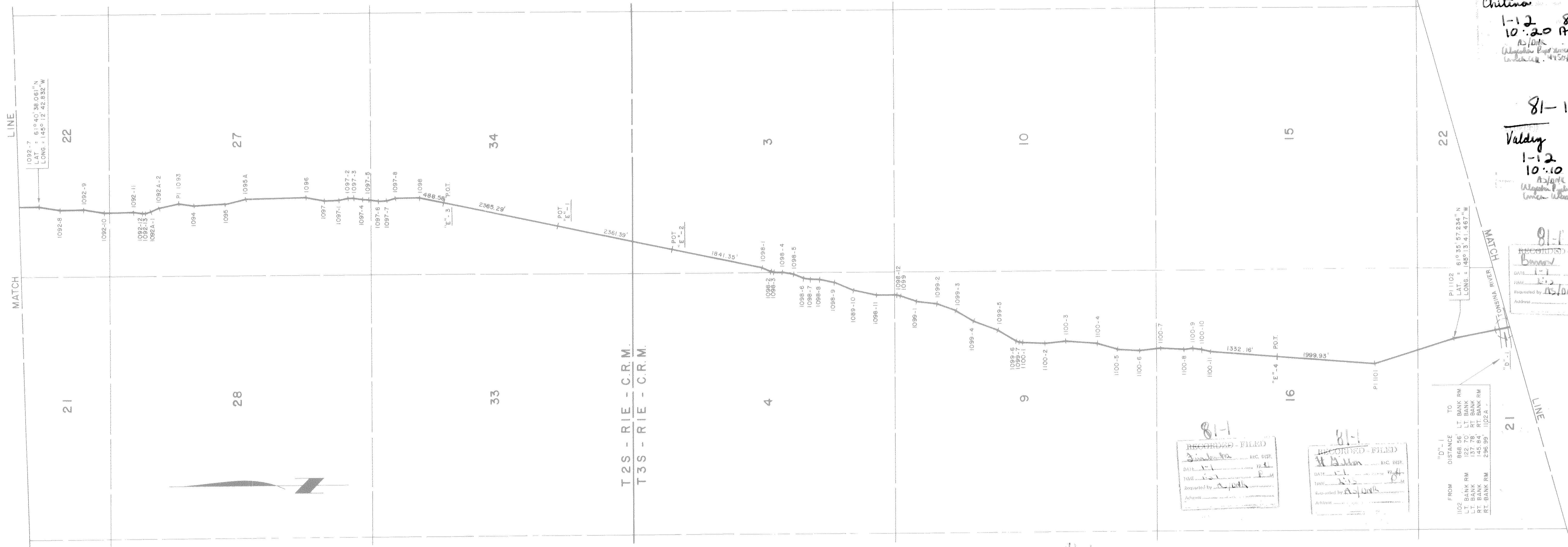
Date of Survey	Beginning Feb. 1977	Ending Oct. 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.
Drawn by	C.F.G.	Approved	R.C.R.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.S., R.I.E., & T.2S., R.I.E., C.R.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name: <i>James J. [Signature]</i>	Title: Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended	Name: <i>[Signature]</i> 11/26/80 Title: Chief Cadastral Surveyor
Approval Recommended	Name: <i>[Signature]</i>	Title: Acting Authorized Officer	Approval	Name: <i>[Signature]</i> Title: Authorized Officer
Approval	Name: <i>[Signature]</i>	Title: <i>[Signature]</i>	File No.	102 - 13

AL-00-GIOI SHEET 128 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>				
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
1092-6	S 01°38'55"E - 479.77'	1092A-1	S 26°34'44"E - 180.13'	1097-1	S 14°03'57"E - 180.10'	1098	S 11°42'45"W - 7056.61'	1098-8	S 11°44'53"W - 297.45'	1099-3	S 32°08'53"W - 420.09'	1100-4	S 16°56'45"W - 419.99'	PI 1101	259.01' 49.03' 96.35'				
1092-7	S 10°41'24"W - 428.70'	1092A-2	S 14°10'22"E - 419.10'	1097-2	S 01°39'05"E - 128.29'	1098-1	S 24°15'19"W - 180.11'	1098-9	S 24°09'15"W - 419.94'	1099-4	S 19°38'57"W - 538.33'	1100-5	S 04°32'42"W - 463.86'	PI 1102	5110.47' 249.77' 498.94'				
1092-8	S 01°41'27"E - 470.96'	PI 1093	201.02' 43.72' 85.44'	1097-3	S 10°49'54"W - 180.29'	1098-2	S 11°37'55"W - 59.78'	1098-10	S 11°47'06"W - 477.40'	1099-5	S 32°09'18"W - 420.06'	1100-6	S 07°57'25"E - 420.17'	1102A	S 11°20'44"E - 1571.86'				
1092-9	S 10°53'04"W - 419.12'	1094	S 01°50'30"E - 615.83'	1097-4	S 01°37'52"E - 123.74'	1098-3	S 00°48'15"E - 179.53'	1098-11	S 00°51'19"E - 419.94'	1099-6	S 19°35'06"W - 60.03'	1100-7	S 04°29'14"W - 479.64'						
1092-10	S 01°38'10"E - 599.49'	1095	S 13°45'47"E - 432.67'	1097-5	S 10°50'12"W - 180.31'	1098-4	S 11°41'55"W - 238.68'	1098-12	S 11°59'33"W - 59.88'	1099-7	S 12°28'44"W - 60.10'	1100-8	S 07°58'07"E - 180.20'						
1092-11	S 10°50'37"W - 180.00'	1095A	S 01°42'31"E - 1197.38'	1097-6	S 01°38'11"E - 179.54'	1098-5	S 24°12'51"W - 180.15'	1099	S 19°42'14"W - 336.81'	1100-1	S 04°29'58"W - 472.05'	1100-9	S 04°30'01"W - 179.89'						
1092-12	S 00°40'53"E - 60.04'	1096	S 11°26'15"W - 407.52'	1097-7	S 14°05'33"E - 179.97'	1098-6	S 11°45'11"W - 179.69'	1099-1	S 07°09'31"W - 419.36'	1100-2	S 08°01'04"E - 419.20'	1100-10	S 17°26'58"W - 179.87'						
1092-13	S 14°38'08"E - 117.24'	1097	S 01°44'26"E - 292.39'	1097-8	S 01°36'54"E - 494.17'	1098-7	S 00°48'55"E - 180.22'	1099-2	S 19°38'03"W - 400.56'	1100-3	S 04°31'19"W - 636.14'	1100-11	S 04°29'41"W - 3332.09'						

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Chitina
 1-12-81
 10:20 A
 15/100
 Valdez
 1-12-81
 10:10 A
 15/100

81-1
 RECORDED - FILED
 DATE: 1-1-81
 REQUESTED BY: R.H.M.

81-1
 RECORDED - FILED
 DATE: 1-1-81
 REQUESTED BY: R.H.M.

81-1
 RECORDED - FILED
 DATE: 1-1-81
 REQUESTED BY: R.H.M.

"D" - I
 FROM DISTANCE TO
 1102 868.56' LT. BANK RM
 122.70' LT. BANK RM
 145.89' RT. BANK RM
 296.99' 1102A

81-1
 RECORDED - FILED
 DATE: 1-1-81
 REQUESTED BY: R.H.M.

Date of Survey: Feb. 1977 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Beginning: Feb. 1977 Ending: Oct. 1980 Surveyor: 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.2S., R.I.E., & T.3S., R.I.E., C.R.M., ALASKA

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

Approval Recommended Name: *William J. Peltola* Title: Chief, Division of Cadastral Survey Bureau of Land Management
 Approval Recommended Name: *Ed Best* Title: Chief Cadastral Surveyor 11/26/80

Approved Name: *John H. Kobi* Title: *Prudhoe* Authorized Officer
 Approved Name: *Robert S. St...* Title: Authorized Officer

File No. 102-13

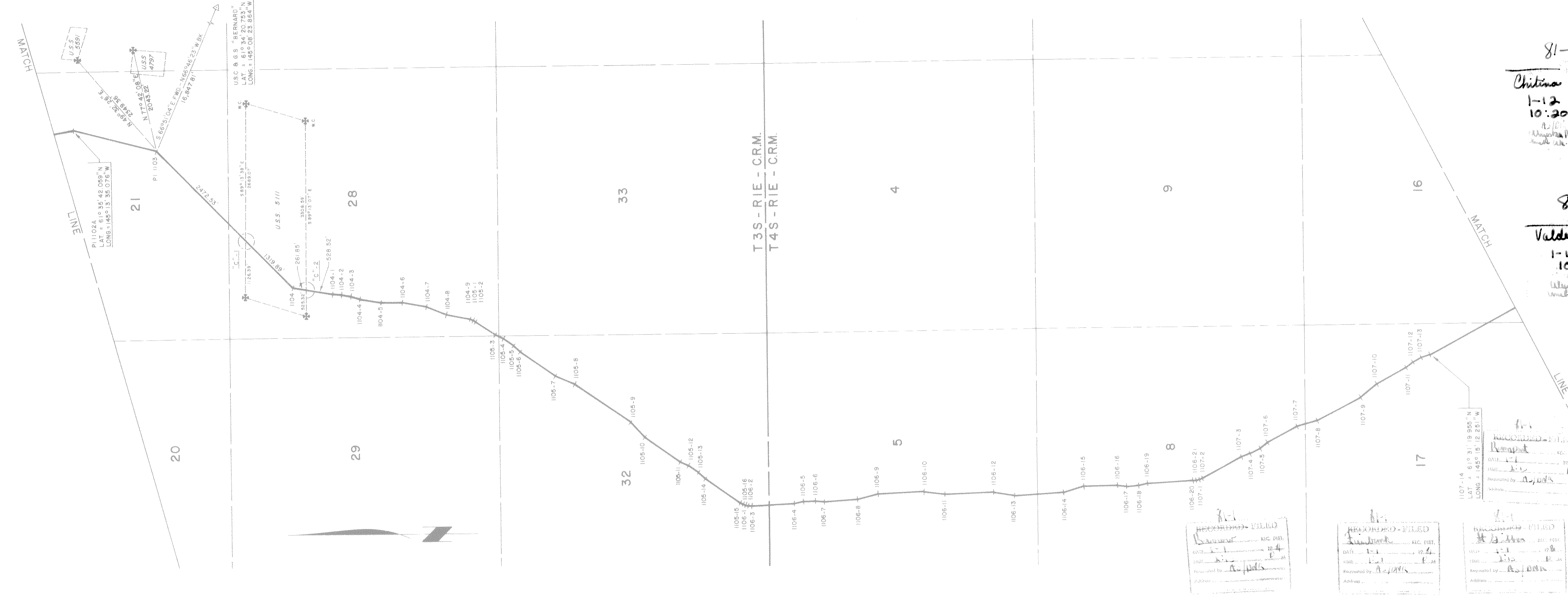
AL-00-G101 SHEET 129 OF 143 ER-

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>J. C. Harbo</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	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	
PI 1102	S 11° 20' 44" E - 1571.87'	1104-5	S 01° 43' 21" E - 420.00'	1105-4	S 34° 58' 14" W - 235.75'	1105-12	S 34° 52' 36" W - 239.87'	1106-4	S 15° 07' 58" E - 180.14'	1106-12	S 09° 53' 38" W - 419.92'	1106-20	S 06° 33' 25" E - 59.59'	1107-7	S 15° 15' 07" E - 419.87'	1108		
PI 1102A	S 14° 32' 55" W - 1677.51'	1104-6	S 10° 51' 51" W - 480.19'	1105-5	S 47° 27' 06" W - 180.52'	1105-13	S 47° 25' 29" W - 180.15'	1106-5	S 02° 36' 07" E - 239.77'	1106-13	S 02° 37' 12" E - 959.69'	1106-21	S 15° 22' 10" E - 60.11'	1107-8	S 27° 44' 26" E - 959.59'			
PI 1103	S 45° 39' 55" W - 3792.42'	1104-7	S 23° 24' 12" W - 419.91'	1105-6	S 34° 57' 15" W - 839.16'	1105-14	S 34° 57' 12" W - 839.31'	1106-6	S 09° 53' 51" W - 179.96'	1106-14	S 15° 06' 57" E - 420.29'	1107-1	S 23° 25' 18" E - 59.91'	1107-9	S 40° 17' 50" E - 419.73'			
1104	S 10° 52' 15" W - 790.37'	1104-8	S 10° 48' 40" W - 479.43'	1105-7	S 22° 19' 52" W - 415.73'	1105-15	S 30° 01' 23" W - 59.54'	1106-7	S 02° 37' 41" E - 659.81'	1106-15	S 02° 36' 54" E - 659.39'	1107-2	S 27° 47' 04" E - 981.07'	1107-10	S 27° 46' 08" E - 659.62'			
1104-1	S 01° 13' 03" E - 182.78'	1104-9	S 16° 55' 27" W - 59.92'	1105-8	S 34° 54' 10" W - 1324.31'	1105-16	S 20° 50' 18" W - 60.20'	1106-8	S 15° 05' 53" E - 419.81'	1106-16	S 09° 55' 18" W - 180.58'	1107-3	S 15° 18' 31" E - 180.67'	1107-11	S 40° 14' 09" E - 180.22'			
1104-2	S 10° 35' 27" W - 183.66'	1105-1	S 28° 56' 31" W - 60.20'	1105-9	S 47° 29' 16" W - 415.43'	1105-17	S 11° 41' 34" W - 60.21'	1106-9	S 02° 36' 14" E - 899.37'	1106-17	S 02° 42' 02" E - 239.50'	1107-4	S 27° 46' 25" E - 235.51'	1107-12	S 27° 44' 42" E - 179.82'			
1104-3	S 23° 20' 40" W - 179.53'	1105-2	S 34° 59' 07" W - 461.81'	1105-10	S 34° 59' 13" W - 844.48'	1105-18	S 02° 16' 58" W - 61.83'	1106-10	S 09° 52' 18" W - 420.00'	1106-18	S 15° 06' 40" E - 179.85'	1107-5	S 40° 16' 16" E - 180.05'	1107-13	S 15° 16' 28" E - 179.85'			
1104-4	S 10° 57' 19" W - 427.53'	1105-3	S 22° 20' 31" W - 180.87'	1105-11	S 22° 22' 16" W - 179.94'	1105-19	S 02° 40' 07" E - 837.24'	1106-11	S 02° 36' 34" E - 957.42'	1106-19	S 02° 36' 24" E - 899.81'	1107-6	S 27° 46' 31" E - 659.69'	1107-14	S 27° 44' 16" E - 2178.56'			

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Christina
1-12 81
10:20 A
Alaska Pipeline Service
March 28, 1981

81-1
Valdey
1-12 81
10:10 A
Alaska Pipeline Service
March 28, 1981

RECORDED - FILED
DATE: 1-12-81
FILE: 1102-13
BY: [Signature]
ADDRESS: [Address]

RECORDED - FILED
DATE: 1-12-81
FILE: 1102-13
BY: [Signature]
ADDRESS: [Address]

RECORDED - FILED
DATE: 1-12-81
FILE: 1102-13
BY: [Signature]
ADDRESS: [Address]

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.3S., R.I.E. & T.4S., R.I.E., C.R.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] 11/26/80			
Title: Chief, Division of Geodetic Survey, Bureau of Land Management	Title: Chief Cadastral Surveyor			
Approved	Approved			
Name: [Signature]	Name: [Signature]			
Title: Acting Authorized Officer	Title: Authorized Officer			
File No.	File No. 102 - 13			

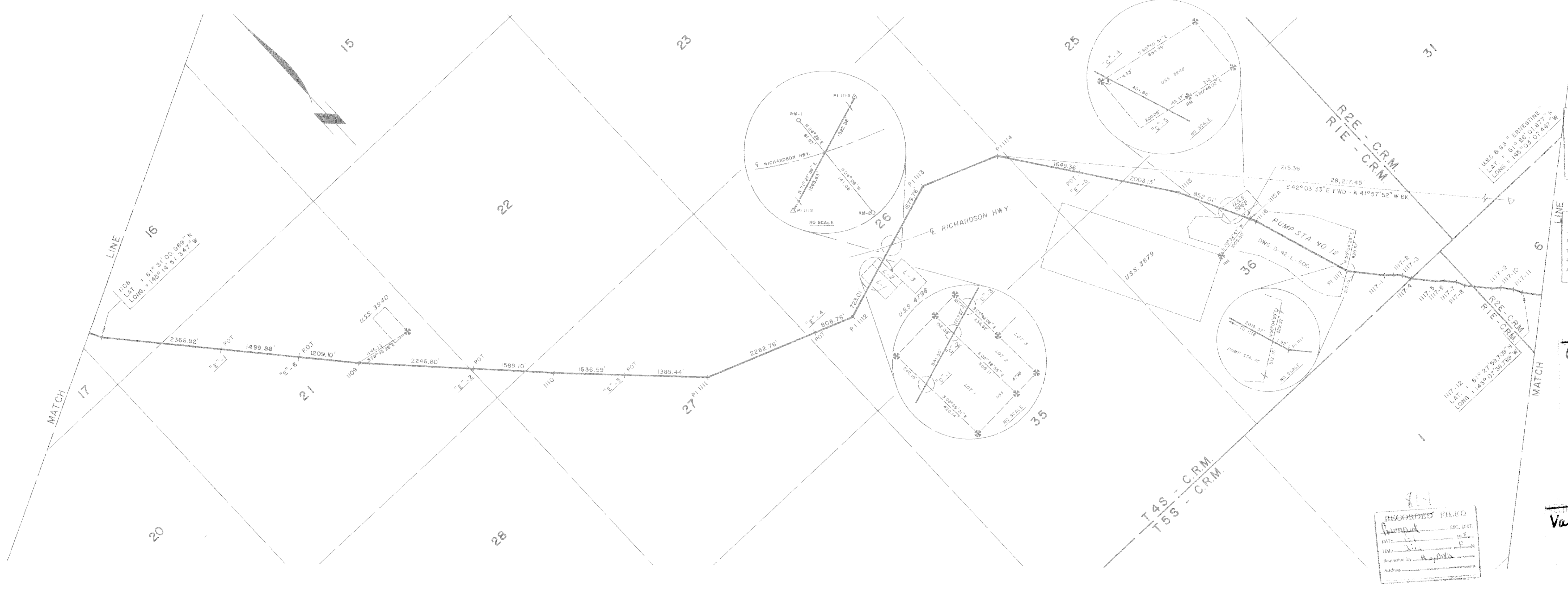
AL-00-G101 SHEET 130 OF 143 ER-

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

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
1107-14	S 27° 44' 18" E - 2178.58'	1115	S 26° 18' 07" E - 1469.23'	1117-5	S 52° 24' 52" E - 180.21'	1117-13											
1108	S 41° 18' 02" E - 5075.90'	1115A	S 29° 58' 59" E - 148.09'	1117-6	S 39° 52' 29" E - 239.74'												
1109	S 44° 07' 30" E - 3835.90'	1116	S 18° 08' 13" E - 2017.30'	1117-7	S 27° 19' 41" E - 180.06'												
1110	S 45° 14' 38" E - 3022.03'	PI 1117	465.77' 89.39' 175.57'	1117-8	S 39° 52' 16" E - 539.92'												
PI 1111	238.98' 51.57' 100.81'	1117-1	S 51° 52' 21" E - 180.59'	1117-9	S 52° 19' 05" E - 180.00'												
PI 1112	197.59' 69.90' 131.79'	1117-2	S 40° 28' 24" E - 171.43'	1117-10	S 39° 52' 13" E - 239.88'												
PI 1113	464.91' 166.75' 313.91'	1117-3	S 27° 20' 04" E - 180.07'	1117-11	S 27° 26' 10" E - 180.02'												
PI 1114	314.57' 94.89' 181.69'	1117-4	S 39° 50' 37" E - 469.07'	1117-12	S 39° 50' 48" E - 539.41'												
	S 35° 28' 44" E - 3662.49'																

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 10:10 AM
Requested by: A. J. Davis

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 10:10 AM
Requested by: A. J. Davis

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 10:10 AM
Requested by: A. J. Davis

81-1
Christina
1-12-80
10:20 AM
Requested by: A. J. Davis

81-1
Valdey
1-12-80
10:10 AM
Requested by: A. J. Davis

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 10:10 AM
Requested by: A. J. Davis

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: R.H.M.	Approved: R.C.D.	Scale: 1" = 1000'		
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.4 S., R.1 E. & T.5 S., R.1 & 2 E., C.R.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	Approval Recommended: [Signature]	Name: [Signature]
Approval: [Signature]	Title: [Signature]	Acting Authorized Officer	Approval: [Signature]	Title: [Signature]
File No.			File No. 102 - 13	

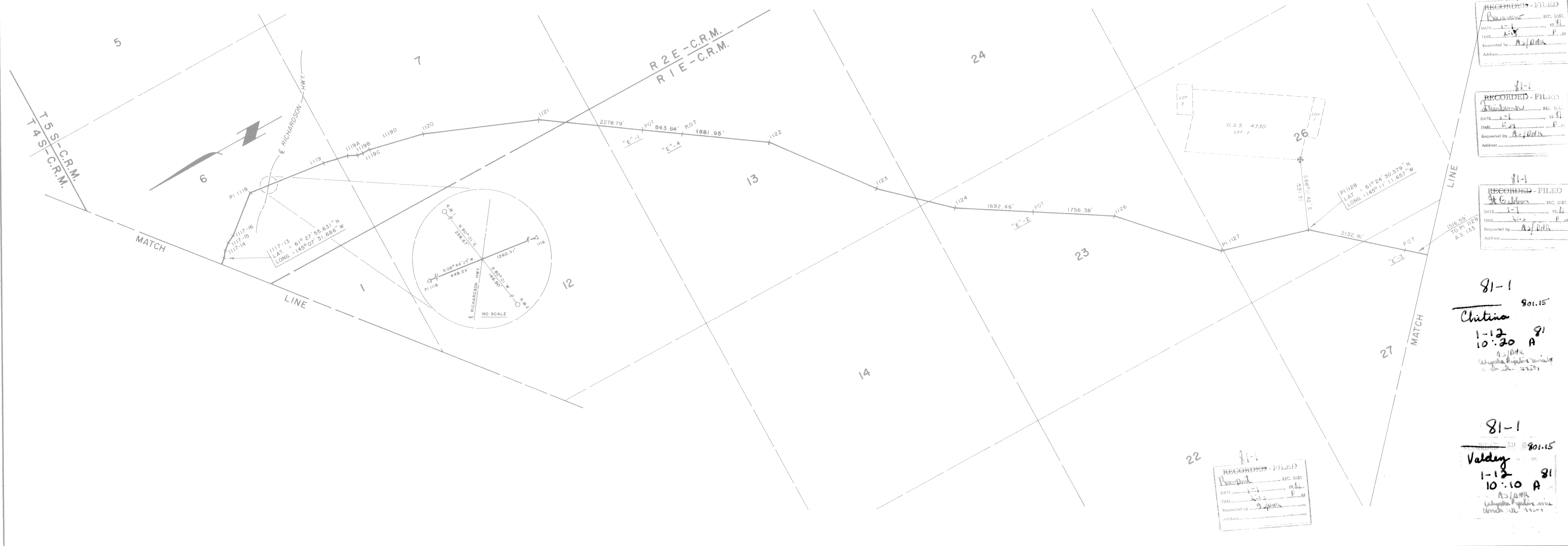
AL-00-G101 SHEET 131 OF 143 ER-

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		RADIUS	TANGENT	CHORD				
1117-12	S 39° 50' 48" E	-	539.41'	1119 B	S 11° 59' 33" W	-	125.75'	1126	S 46° 43' 14" W	-	2429.93'																																
1117-13	S 52° 20' 28" E	-	180.36'	1119 C	S 01° 30' 11" E	-	167.35'	PI 1127	S 27° 56' 19" W	-	152.09'																																
1117-14	S 39° 47' 19" E	-	179.40'	1119 D	S 12° 40' 30" W	-	1207.49'	PI 1128	S 15° 01' 40" W	-	1926.77'																																
1117-15	S 27° 22' 51" E	-	180.20'	1120	S 21° 48' 00" W	-	2509.97'	1129	S 40° 31' 28" W	-	3649.50'																																
1117-16	S 39° 51' 32" E	-	1009.94'	1121	S 34° 17' 15" W	-	5004.36'																																				
PI 1118	280.45'	120.77'	221.84'	1122	S 51° 57' 32" W	-	2528.25'																																				
1119	S 12° 32' 17" W	-	553.20'	1123	S 42° 25' 00" W	-	1749.96'																																				
1119A	S 23° 49' 33" W	-	195.75'	1124	S 31° 40' 08" W	-	3448.84'																																				

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



AL-00-GIOI SHEET 132 OF 143

ER-

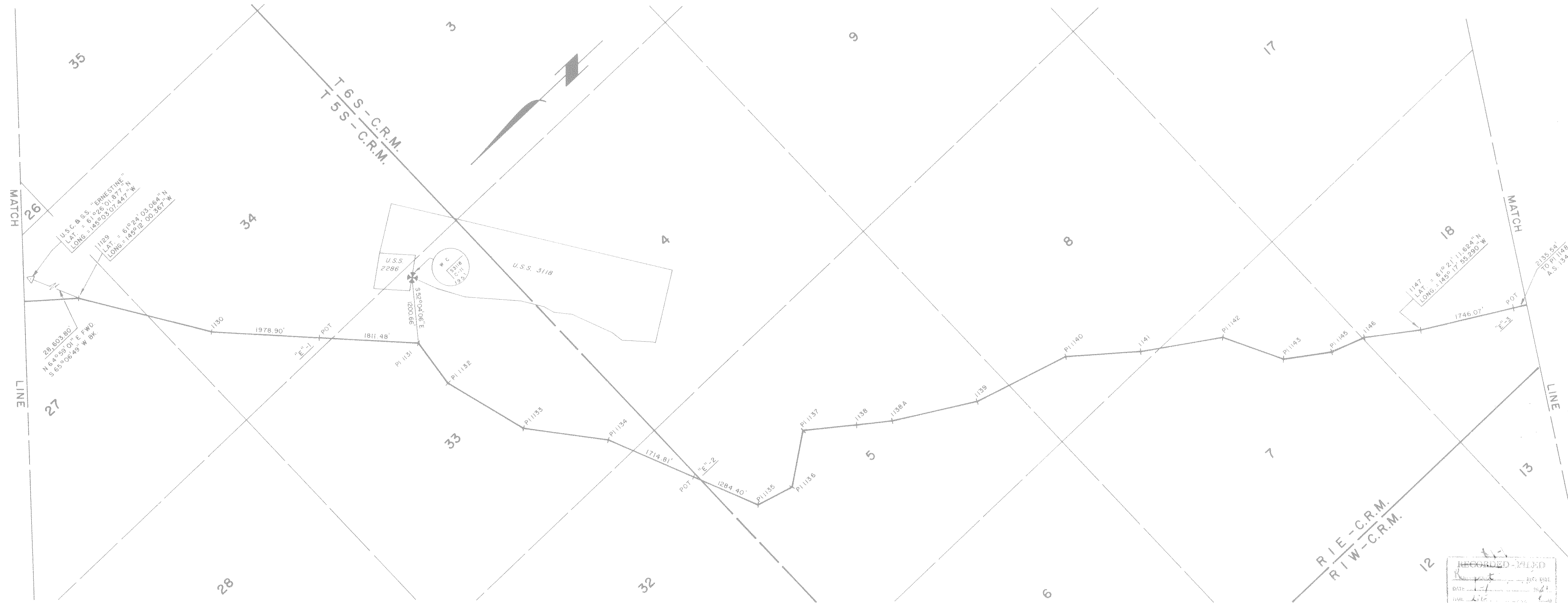
ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>M. O. Smith</i>		
Approval	<i>J. C. Horta</i>		

Date of Survey	Name of Surveyor		
Beginning Feb., 1977	Ending Oct., 1980	RICHARD C. DAVIS	
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. 2 E., & T. 5 S., R. 1 E., C.R.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name <i>William J. Jupp</i>		Approval Recommended
Name	Title Chief, Division of Cadastral Survey Bureau of Land Management		Name <i>Richard C. Davis</i>
Title	Chief Cadastral Surveyor		Title Chief Cadastral Surveyor
Approved	Name <i>Barry H. Kohl</i>		Approved
Name	Title Acting Authorized Officer		Name <i>Richard C. Davis</i>
Title	Y.N. 2.4.1980		Title Authorized Officer
File No.			File No. 102 - 13

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
1128				PI 1136	202.89'	97.93'	176.39'	PI 1143	590.53'	146.91'	285.13'																				
	S 40°31'28" W	-	3649.50'		S 35°43'20" E	-	1061.23'	PI 1145	S 35°17'11" W	-	911.88'																				
1129				PI 1137	212.63'	158.04'	253.68'	PI 1145	419.36'	60.21'	119.19'																				
	S 57°47'59" W	-	2497.60'		S 37°31'17" W	-	978.96'		S 18°56'40" W	-	632.66'																				
1130				1138				1146																							
	S 46°44'01" W	-	3790.38'		S 36°53'25" W	-	660.91'		S 35°41'51" W	-	1056.22'																				
PI 1131	181.89'	85.52'	154.77'	1138A				1147																							
	N 82°54'49" W	-	905.64'		S 30°35'25" W	-	1575.08'		S 30°20'22" W	-	3881.61'																				
PI 1132	285.43'	57.83'	113.36'	1139				1148																							
	S 74°10'20" W	-	1607.31'		S 16°35'36" W	-	1823.18'																								
PI 1133	363.96'	74.27'	145.53'	PI 1140	228.74'	46.61'	91.33'																								
	S 51°05'57" W	-	1552.88'		S 39°37'25" W	-	1376.28'																								
PI 1134	667.13'	92.63'	183.49'	1141																											
	S 66°53'56" W	-	2999.21'		S 33°36'37" W	-	1524.69'																								
PI 1135	304.70'	145.60'	262.74'	PI 1142	442.17'	116.93'	226.09'																								
	S 15°48'36" W	-	700.90'		S 63°13'53" W	-	1175.01'																								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 Drawn by: [Signature]
 DATE: 1-12-80
 TIME: 10:20 A
 Requested by: [Signature]
 Address: [Signature]

81-1
 Christina
 1-12-80
 10:20 A
 A. J. O'Rourke
 Anchorage, Alaska
 Alaska State Survey
 Alaska State Survey

81-1
 Valdey
 1-12-80
 10:10 A
 A. J. O'Rourke
 Anchorage, Alaska
 Alaska State Survey
 Alaska State Survey

RECORDED - FILED
 Drawn by: [Signature]
 DATE: 1-12-80
 TIME: 10:10 A
 Requested by: [Signature]
 Address: [Signature]

RECORDED - FILED
 Drawn by: [Signature]
 DATE: 1-12-80
 TIME: 10:10 A
 Requested by: [Signature]
 Address: [Signature]

Date of Survey	Beginning	Ending	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. 5 S., R. 1 E., & T. 6 S., R. 1 E., C.R.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]			
Title: Chief, Division of Cadastral Survey Bureau of Land Management				Title: Chief Cadastral Surveyor			
Approved				Approved			
Name: [Signature]				Name: [Signature]			
Title: Acting Authorized Officer				Title: Authorized Officer			
File No.				File No. 102-13			

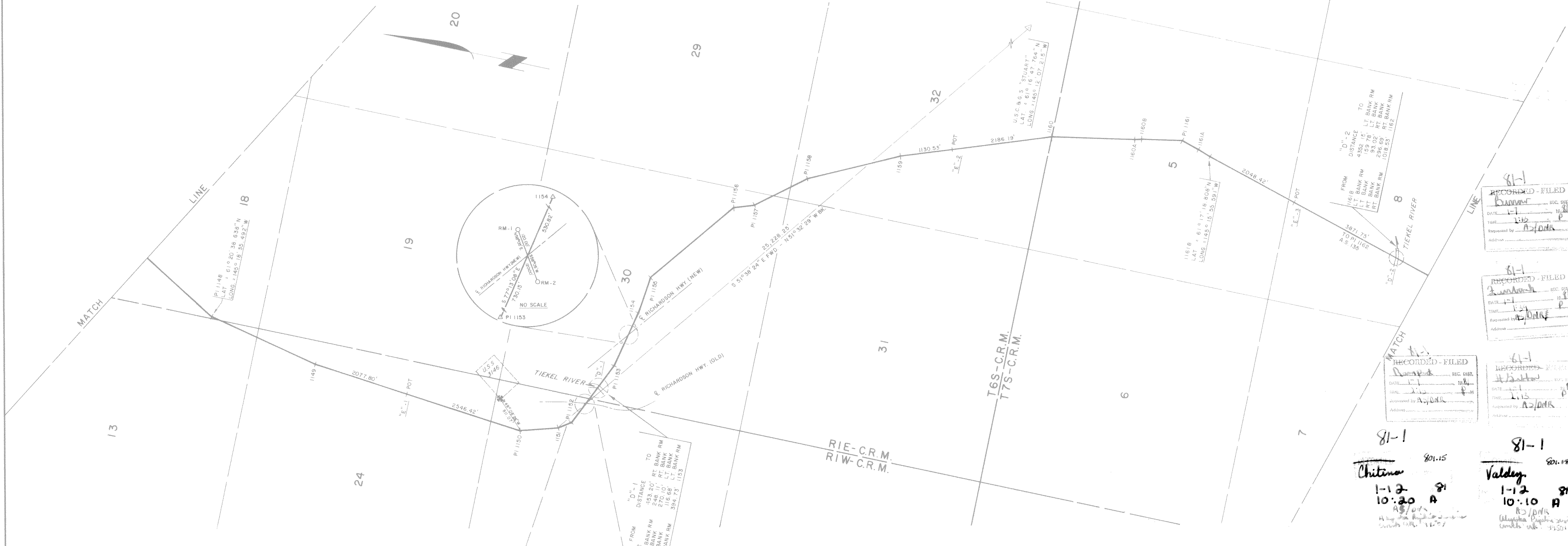
AL-00-GIOI SHEET 133 OF 143 ER-

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		
	RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD		RADIUS	TANGENT	CHORD
1147				PI 1155	S 51° 35' 08" E	189.33	189.33	PI 1161	S 16° 26' 36" W	407.05	407.05																
PI 1148	S 30° 20' 22" W	388.61	388.61	PI 1156	S 37° 41' 11" E	212.77	212.77	1161A	S 19° 46' 05" W	289.42	289.42																
1149	S 12° 37' 45" W	2449.94	2449.94	PI 1157	S 38° 16' 50" E	1287.16	1287.16	1161B	S 16° 40' 00" W	5920.17	5920.17																
PI 1150	S 06° 01' 57" W	4624.22	4624.22	PI 1158	S 25° 27' 22" E	2030.72	2030.72	1162																			
1151	S 43° 54' 02" E	161.71	161.71	1159	S 19° 16' 27" E	3316.72	3316.72																				
PI 1152	S 33° 15' 50" E	313.21	313.21	1160	S 10° 10' 38" E	1779.01	1779.01																				
PI 1153	S 65° 19' 28" E	1518.82	1518.82	1160A	S 16° 10' 40" E	146.66	146.66																				
1154	S 77° 13' 08" E	1260.98	1260.98	1160B	S 10° 35' 25" E	875.11	875.11																				
	S 82° 52' 09" E	788.76	788.76																								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE 1-15-81
TIME 1:15 PM
Address A.J. Onda

81-1
RECORDED - FILED
DATE 1-15-81
TIME 1:15 PM
Address A.J. Onda

81-1
RECORDED - FILED
DATE 1-15-81
TIME 1:15 PM
Address A.J. Onda

81-1
RECORDED - FILED
DATE 1-15-81
TIME 1:15 PM
Address A.J. Onda

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

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

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: A.D.A. Approved: R.C.D. Scale: 1" = 1000'
 Description: **A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.6S., R.I.W. & R.I.E., & T.7S., R.I.E., C.R.M., ALASKA**

UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended Name: <i>William J. [Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended Name: <i>Ed Best 11/26/80</i> Title: Chief Cadastral Surveyor
Approved Name: <i>Alan K. Koll</i> Title: Acting Authorized Officer NOV 24 1980	Approved Name: <i>[Signature]</i> Title: Authorized Officer
File No. _____	File No. 102-13

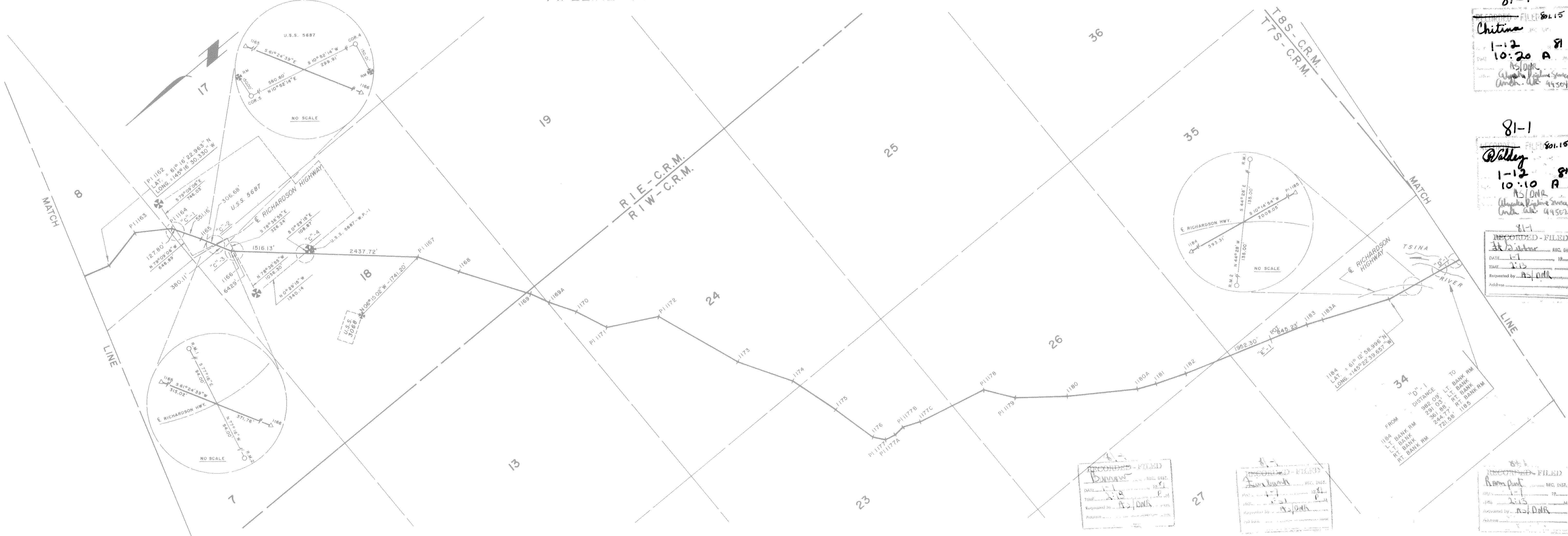
AL-00-GIOI SHEET 134 OF 143 ER-

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>		
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
I161B	S 16° 40' 00" W - 5920.17'	I169	S 64° 19' 30" W - 428.42'	I176	S 51° 58' 17" W - 284.68'	I180A	S 23° 53' 52" W - 421.75'												
PI I162	160.18' 41.55' 80.42'	I169A	S 58° 18' 29" W - 613.58'	PI I177	324.61' 116.58' 219.43'	I181	S 20° 35' 52" W - 675.17'												
	S 12° 25' 02" E - 905.19'																		
PI I163	213.57' 90.29' 166.31'	I170	S 66° 28' 47" W - 740.73'	PI I177A	364.09' 61.15' 120.61'	I182	S 17° 40' 18" W - 2797.55'												
	S 33° 24' 52" W - 792.57'																		
PI I164	396.07' 90.91' 177.21'	PI I171	319.32' 112.08' 211.51'	PI I177B	142.11' 37.25' 72.06'	I183	S 23° 26' 29" W - 359.77'												
	S 59° 16' 02" W - 678.96'																		
I165	S 61° 24' 39" W - 686.79'	PI I172	263.50' 100.18' 187.27'	I177C	S 12° 49' 25" W - 1529.55'	I183A	S 22° 19' 05" W - 1494.60'												
I166	S 41° 29' 41" W - 4018.14'	I173	S 58° 29' 54" W - 1253.04'	PI I178	244.99' 90.56' 169.87'	I184	S 10° 14' 54" W - 2601.35'												
PI I167	547.22' 85.89' 169.70'	I174	S 73° 11' 00" W - 1103.79'	PI I179	490.03' 66.57' 131.92'	PI I185													
	S 59° 19' 39" W - 925.48'																		
I168	S 57° 03' 39" W - 1625.23'	I175	S 76° 28' 32" W - 985.02'	I180	S 33° 41' 26" W - 1511.80'														

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Chitina
 1-12
 10:20 A
 AS/DNA
 (Alaska Dept. of Natural Resources)
 Anchorage, Alaska 99504

81-1
 Valley
 1-12
 10:10 A
 AS/DNA
 (Alaska Dept. of Natural Resources)
 Anchorage, Alaska 99504

RECORDED - FILED
 AS/DNA
 DATE 1-12-80
 TIME 10:13
 Requested by AS/DNA

RECORDED - FILED
 AS/DNA
 DATE 1-12-80
 TIME 10:13
 Requested by AS/DNA

AL-00-GIOI SHEET 135 OF 143

ER-

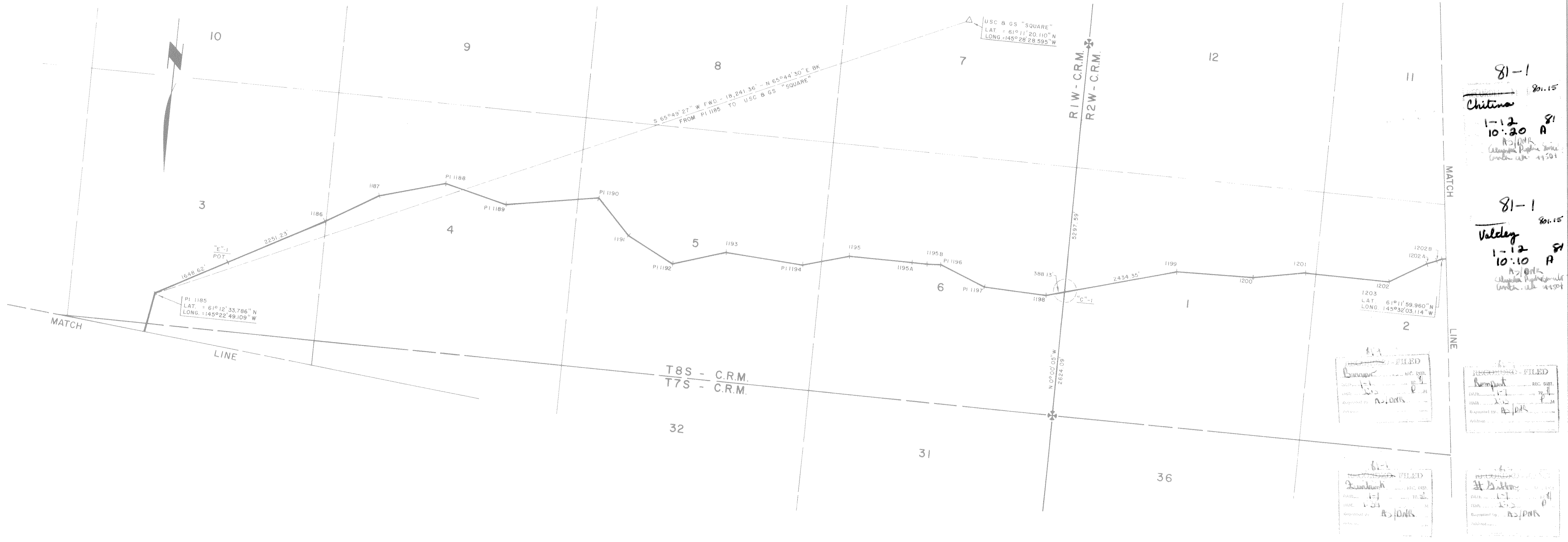
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended <i>AS/DNA</i>
Approval <i>J.C. Farle</i>

Date of Survey Beginning Feb., 1977 Ending Oct., 1980		Name of Surveyor OCEAN TECHNOLOGY LTD. ORA 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.7 S., R.I.E., & T.7 S., R.I.W., C.R.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended <i>[Signature]</i>	Name <i>[Signature]</i>	Approval Recommended <i>[Signature]</i>	Name <i>[Signature]</i>
Title Chief, Division of Cadastral Survey Bureau of Land Management	Title Chief Cadastral Surveyor	Title Authorized Officer	Title Authorized Officer
Approved <i>[Signature]</i>	Name <i>[Signature]</i>	Approved <i>[Signature]</i>	Name <i>[Signature]</i>
Title Acting Authorized Officer	Title Acting Authorized Officer	Title Authorized Officer	Title Authorized Officer
File No.	File No. 102-13	File No.	File No. 102-13

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
1184				PI 1192	S72°06'59"W	1162.41'		1198				1204											
	S10°14'54"W	2601.35'																					
PI 1185				1193				1199															
	S207°16'100.33"	180.33'			N86°09'52"W	1648.03'			S88°51'08"W	1624.65'													
	S61°54'14"W	3899.85'			435.35'	80.61'	158.32'																
1186				PI 1194				1200															
	S56°40'52"W	1287.03'			S72°50'56"W	1009.70'			S79°07'10"W	1124.21'													
1187				1195				1201															
	S73°45'38"W	1436.39'			S89°59'27"W	1339.24'			N89°29'03"W	1777.63'													
PI 1188				1195A				PI 1202															
	N74°28'12"W	124.26'			N88°33'44"W	322.20'			S58°24'21"W	890.40'													
PI 1189				1195B				1202A															
	463.34'	96.78'	189.47'		S95°27'44"W	285.99'			S69°01'04"W	216.20'													
PI 1190				PI 1196				1202B															
	S79°55'31"W	1965.41'			S44°34'78.34"	182.78'			S64°16'12"W	123.09'													
	233.70'	124.72'	220.06'		N69°54'19"W	1046.23'																	
1191				PI 1197				1203															
	N43°54'14"W	1019.69'			S86°68'65.45"	129.06'			S82°16'39"W	550.23'													
	N63°21'14"W	1123.41'			N88°07'29"W	1324.64'																	

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.S./D.M.K.
Cadastral Pipeline Survey
Anchor. 11/24/80

81-1
Valdez
1-12 10:10 A
R.S./D.M.K.
Cadastral Pipeline Survey
Anchor. 11/24/80

FILED

RECORDED - FILED

RECORDED - FILED

RECORDED - FILED

RECORDED - FILED

Date of Survey	Beginning	Ending	Name of Surveyor	Scale
	Feb, 1977	Oct, 1980	RICHARD C. DAVIS	1" = 1000'
Drawn by	Approved	Description		
R.H.M.	R.C.D.	A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.7S., R.1W. & T.8S., R.1W. & R.2W., C.R.M. ALASKA		
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name	Approval Recommended	Name	
	James J. [Signature]		John Best 11/24/80	
Title	Chief, Division of Cadastral Survey Bureau of Land Management	Title	Chief Cadastral Surveyor	
Approved	Name	Approved	Name	
	[Signature]		[Signature]	
Title	Authorized Officer	Title	Authorized Officer	
File No.	102-14	File No.	102-14	

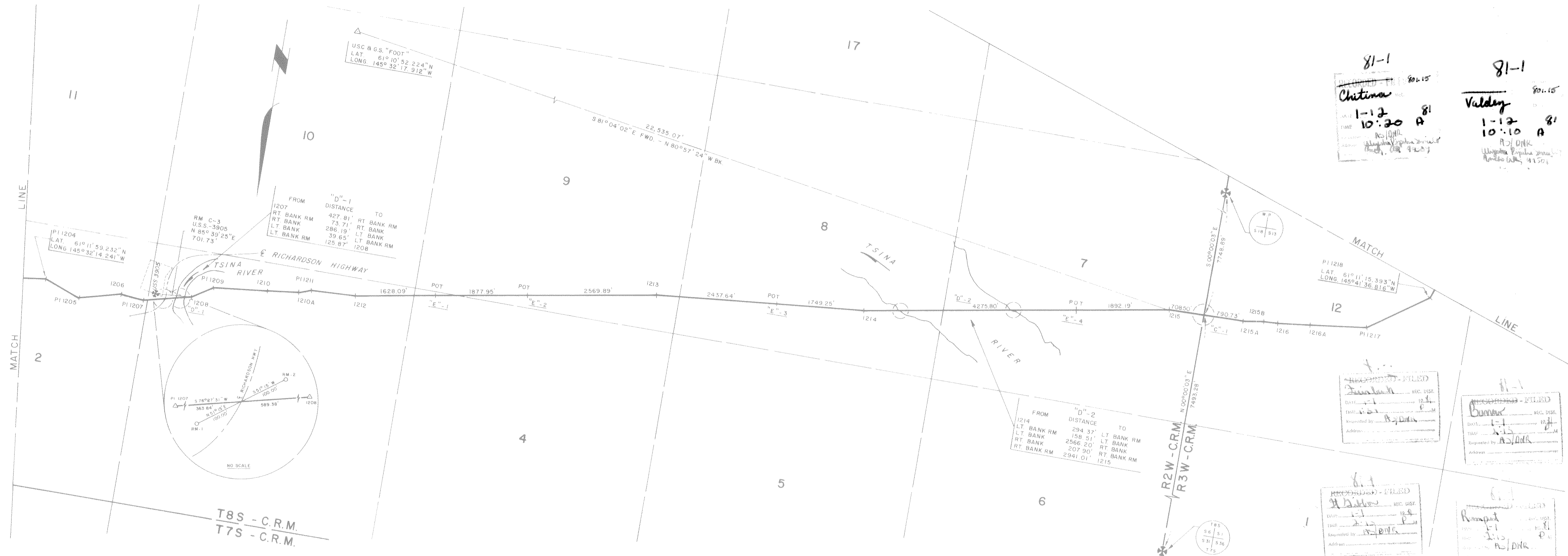
AL-00-GIOI SHEET 136 OF 143 ER-

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

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
1203	S 82° 16' 39" W - 550.23'	1210A	S 70° 51' 11" W - 253.82'	1216	S 83° 11' 29" W - 648.28'														
PI1204	257.46' 62.59' 121.64'	PI1211	438.13' 62.96' 124.63'																
PI1205	N 70° 23' 44" W - 768.22'	1212	S 87° 12' 15" W - 899.12'	PI1217	S 82° 29' 48" W - 1141.72'														
	268.62' 82.30' 168.41'		S 79° 56' 44" W - 6075.93'	PI1218	257.46' 63.85' 123.95'														
1206	S 75° 18' 01" W - 852.90'	1213	S 84° 16' 53" W - 4186.89'	1219	S 54° 37' 59" W - 1428.01'														
PI1207	N 84° 31' 30" W - 466.04'	1214	S 79° 57' 18" W - 6167.99'																
	395.00' 66.15' 130.47'		S 88° 46' 05" W - 1499.23'																
1208	S 57° 52' 28" W - 492.71'	1215	S 80° 57' 08" W - 425.55'																
PI1209	241.59' 55.08' 107.40'	1215A	S 86° 43' 42" W - 281.75'																
	S 83° 33' 32" W - 1093.67'	1215B																	
1210	S 82° 37' 37" W - 633.40'																		

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. 8 S., R. 2 W., & T. 8 S., R. 3 W., C. R. M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name: <i>Anna J. [Signature]</i> Title: Chief, Division of Cadastral Survey, Bureau of Land Management				Approval Resommended
Approved	Name: <i>[Signature]</i> Title: Authorized Officer				Approved
File No.					File No. 102-14

AL-00-GIOI SHEET 137 OF 143 ER-

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

81-1
RECORDED - FILED
Chitima
DATE: 1-12-81
TIME: 10:20 A
Requester: [Name]
Address: [Address]

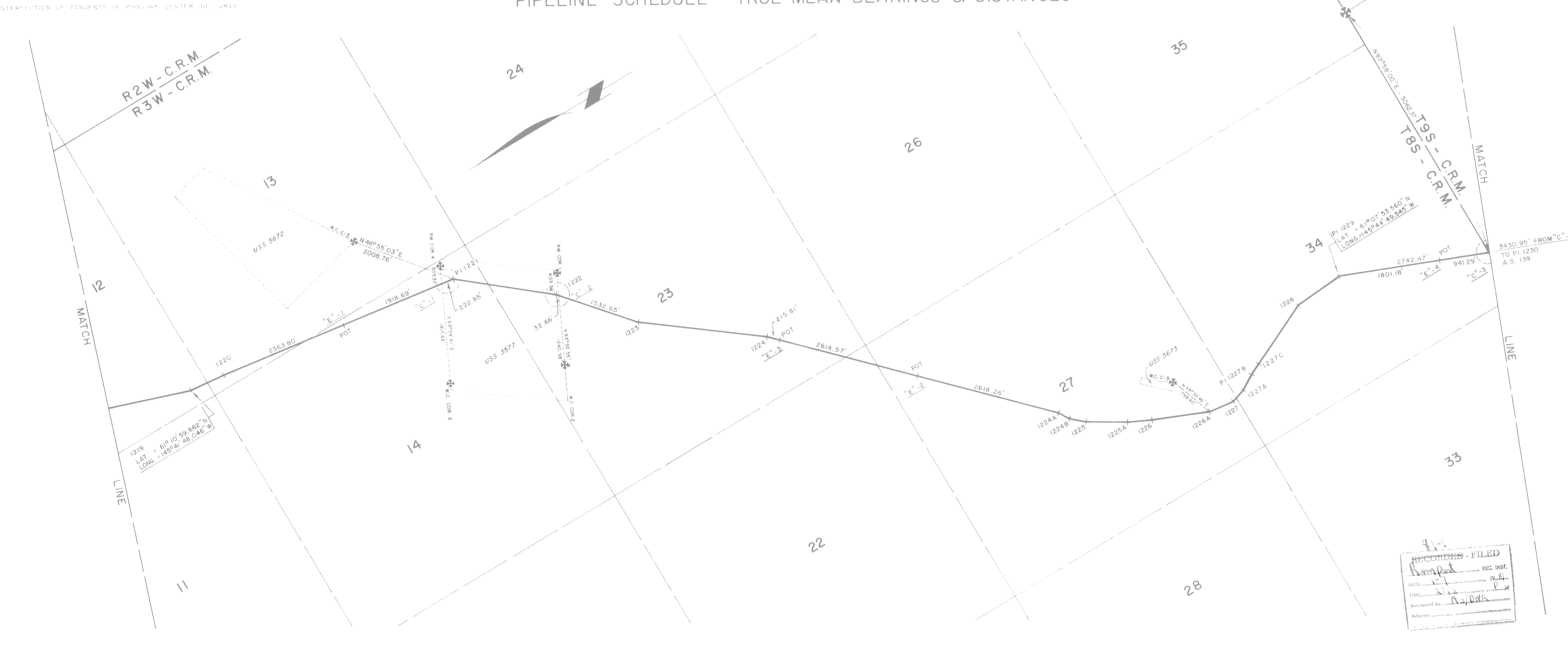
81-1
RECORDED - FILED
Valdey
DATE: 1-12-81
TIME: 10:10 A
Requester: [Name]
Address: [Address]

RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 A
Requester: [Name]
Address: [Address]

RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 A
Requester: [Name]
Address: [Address]

POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT ID	BEARING & DISTANCE RADIUS TANGENT L CHORD
I218	S 19° 00' 59" W - 1689.75'	I224B	S 42° 12' 50" W - 311.11'	I227C	S 25° 08' 59" E - 1285.11'												
I219	S 05° 31' 50" W - 650.88'	I225	S 31° 15' 20" W - 747.09'	I228	S 04° 09' 27" E - 906.28'												
I220	S 08° 23' 50" W - 4505.34'	I225A	S 25° 51' 02" W - 445.89'	PI I229	281.96' 65.91' 128.35'												
PI I221	433.43' 121.10' 233.26'	I226	S 22° 56' 59" W - 1049.26'	I230	S 22° 08' 57" W - 6173.42'												
I222	S 49° 23' 11" W - 1565.31'	I226A	S 07° 29' 43" W - 467.01'														
I223	S 37° 21' 10" W - 2333.55'	I227	S 17° 12' 47" W - 270.28'														
I224	S 45° 28' 06" W - 5448.64'	I227A	S 32° 07' 43" E - 333.64'														
I224A	S 57° 19' 37" W - 228.40'	PI I227B	1407.73' 108.82' 216.99'														
	S 57° 19' 37" W - 228.40'		S 23° 17' 14" E - 232.70'														

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 2:15 P.M.
RECORDED BY: R. J. Davis

81-1
Christina
1-12 8'
10:20 A
R. J. Davis
Alaska Pipeline Service Co.
Cadastral Surveyor - 44501

81-1
Valdez
1-12 8'
10:10 A
R. J. Davis
Alaska Pipeline Service Co.
Cadastral Surveyor - 44501

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 2:15 P.M.
RECORDED BY: R. J. Davis

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. 8 S., R. 3 W., & T. 9 S., R. 3 W., C.R.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended Name: <i>Thomas J. Juba</i> Title: Chief, Division of Cadastral Survey, Bureau of Land Management				Approval Recommended Name: <i>Richard C. Davis</i> Title: Chief Cadastral Surveyor			
Approved Name: <i>R. J. Davis</i> Title: Authorized Officer				Approved Name: <i>Richard C. Davis</i> Title: Authorized Officer			
File No.				File No. 102-14			

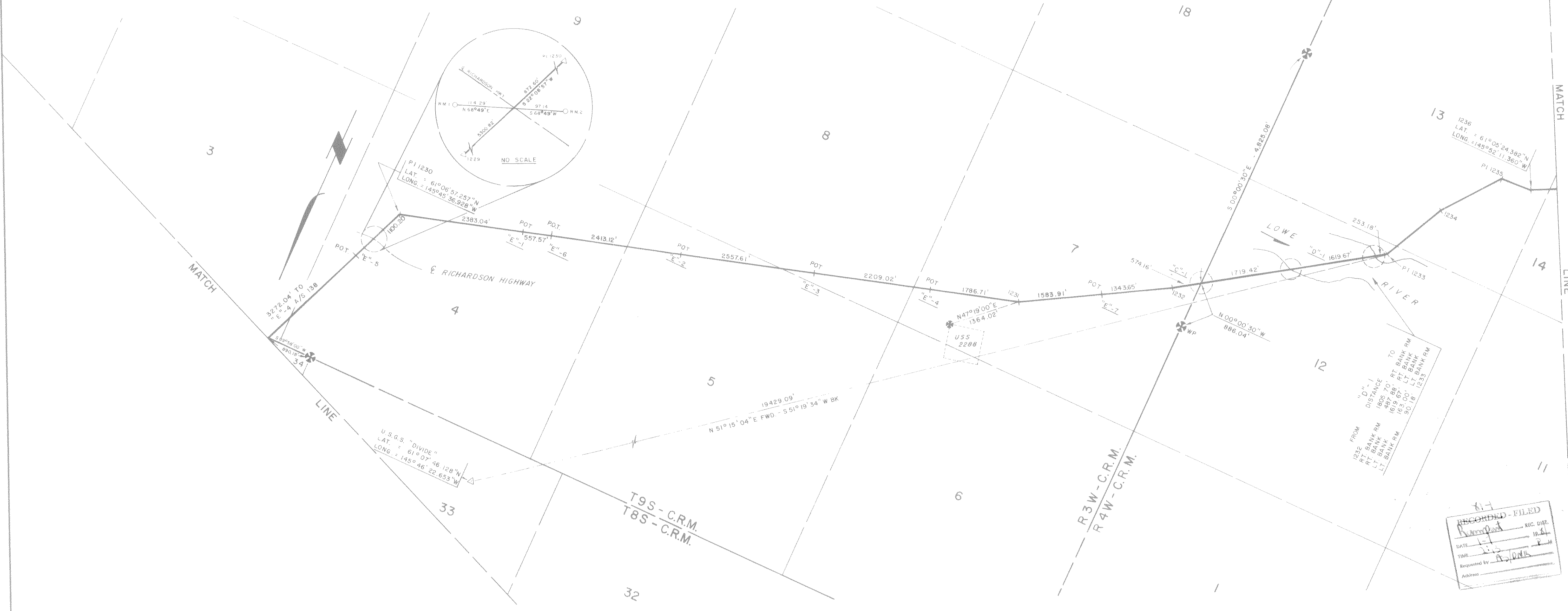
AL-00-GIOI SHEET 138 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	<i>R. J. Davis</i>	BY	CHKD APP
Approval	<i>R. J. Davis</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		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT
1229			1237																	
PI 1230	S 22° 08' 57" W	6173.42'																		
	193.73'	92.85'																		
	S 73° 19' 43" W	11907.07'																		
1231																				
1232	S 60° 06' 27" W	2927.56'																		
PI 1233	N 56° 16' 48" W	4168.43'																		
	137.63'	37.05'																		
	S 26° 08' 06" W	1233.71'																		
1234																				
PI 1235	S 37° 53' 46" W	1315.91'																		
	179.74'	80.74'																		
	S 86° 16' 10" W	595.15'																		
1236																				
	S 63° 12' 55" W	1321.95'																		

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-12-80
 TIME: 1:15 PM
 Requested by: A. J. Davis
 Address: _____

RECORDED - FILED
 DATE: 1-12-80
 TIME: 1:15 PM
 Requested by: A. J. Davis
 Address: _____

RECORDED - FILED
 DATE: 1-12-80
 TIME: 1:15 PM
 Requested by: A. J. Davis
 Address: _____

81-1
 Chitina
 1-12-80
 10:20 AM
 A. J. Davis
 Alaska Pipeline Service Co.
 Anchorage, Alaska 99501

81-1
 Valdez
 1-12-80
 10:10 AM
 A. J. Davis
 Alaska Pipeline Service Co.
 Anchorage, Alaska 99501

RECORDED - FILED
 DATE: 1-12-80
 TIME: 1:15 PM
 Requested by: A. J. Davis
 Address: _____

Date of Survey	Feb, 1977	Ending	Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. ORA 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.9 S., R. 3 & 4 W., C.R.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name: <i>James J. Davis</i> Title: Chief, Division of Cadastral Survey, Bureau of Land Management				Approval Recommended
Approved	Name: <i>[Signature]</i> Title: Authorized Officer				Approved
File No.					File No. 102-14

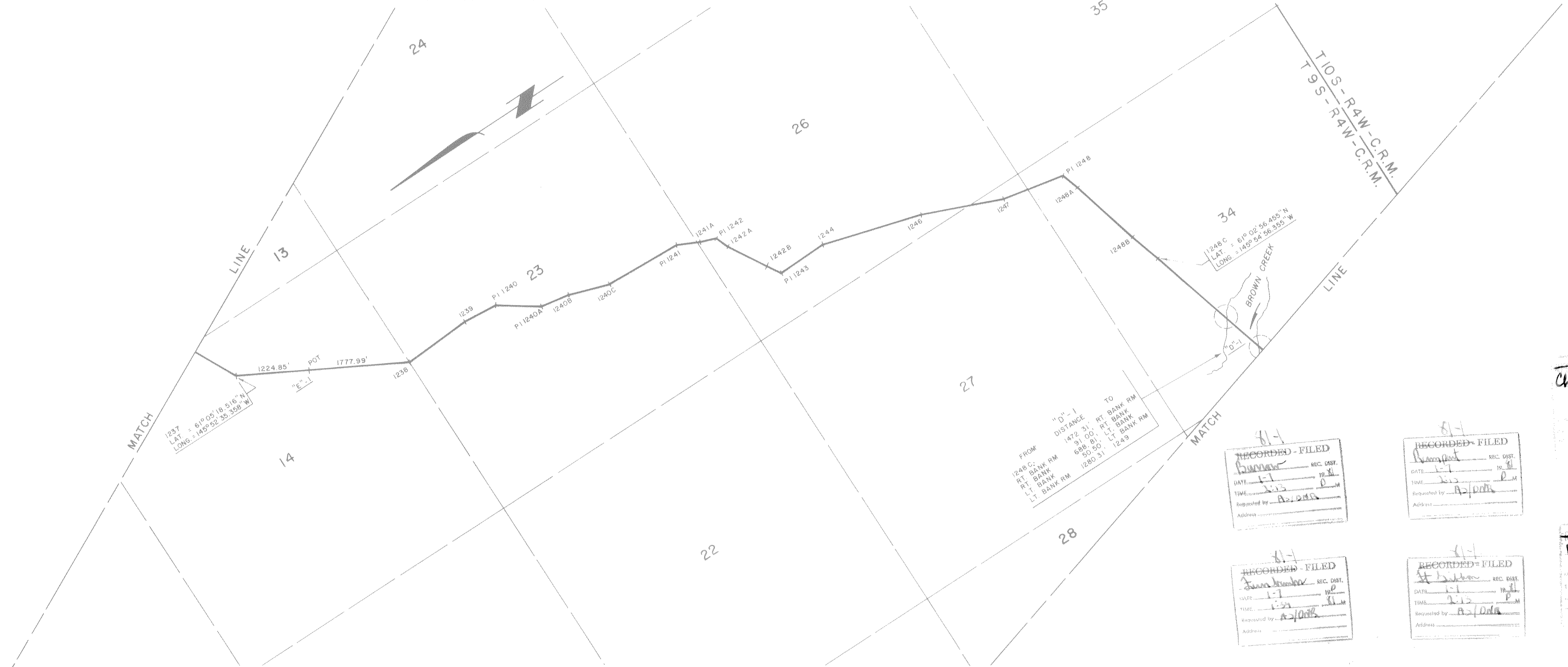
AL-00-GIO1 SHEET 139 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended: <i>[Signature]</i> J.C.H.
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			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					
I236	563° 12' 55" W - 1321.95'			PI 1241	449.64'	91.92'	180.11'	I247																																
I237	257.16'	80.48'	153.61'	I241A	S 25° 46' 32" W - 419.89'			PI 1248	S 11° 25' 47" W - 1101.69'																															
I238	S 26° 27' 07" W - 3002.84'			PI 1242	S 19° 46' 46" W - 281.39'			I248A	S 72° 49' 14" W - 322.02'																															
I239	S 03° 10' 16" E - 1172.16'			I242A	S 59° 08' 00" W - 750.68'			I248B	S 74° 36' 18" W - 1274.47'																															
PI 1240	S 03° 38' 52" W - 586.05'			I242B	S 60° 46' 57" W - 280.80'			I248C	S 73° 11' 05" W - 569.38'																															
PI 1240A	S 21° 55' 33" W - 497.00'			PI 1243	S 01° 07' 29" E - 872.69'			I249	S 73° 55' 47" W - 3582.93'																															
I240B	S 17° 55' 56" W - 740.84'			I244	S 15° 57' 06" W - 1771.81'																																			
I240C	S 02° 40' 04" W - 1316.33'			I246	S 22° 06' 18" W - 1443.70'																																			

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-12-81
 TIME: 10:20 AM
 Requested by: A. J. Davis
 Address: [blank]

RECORDED - FILED
 DATE: 1-12-81
 TIME: 10:10 AM
 Requested by: A. J. Davis
 Address: [blank]

81-1
 Chitina
 1-12-81
 10:20 AM
 Requested by: A. J. Davis
 Address: [blank]

81-1
 Valdez
 1-12-81
 10:10 AM
 Requested by: A. J. Davis
 Address: [blank]

Date of Survey: Beginning Feb, 1977 Ending Oct, 1980
 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA 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.4W., C.R.M., ALASKA

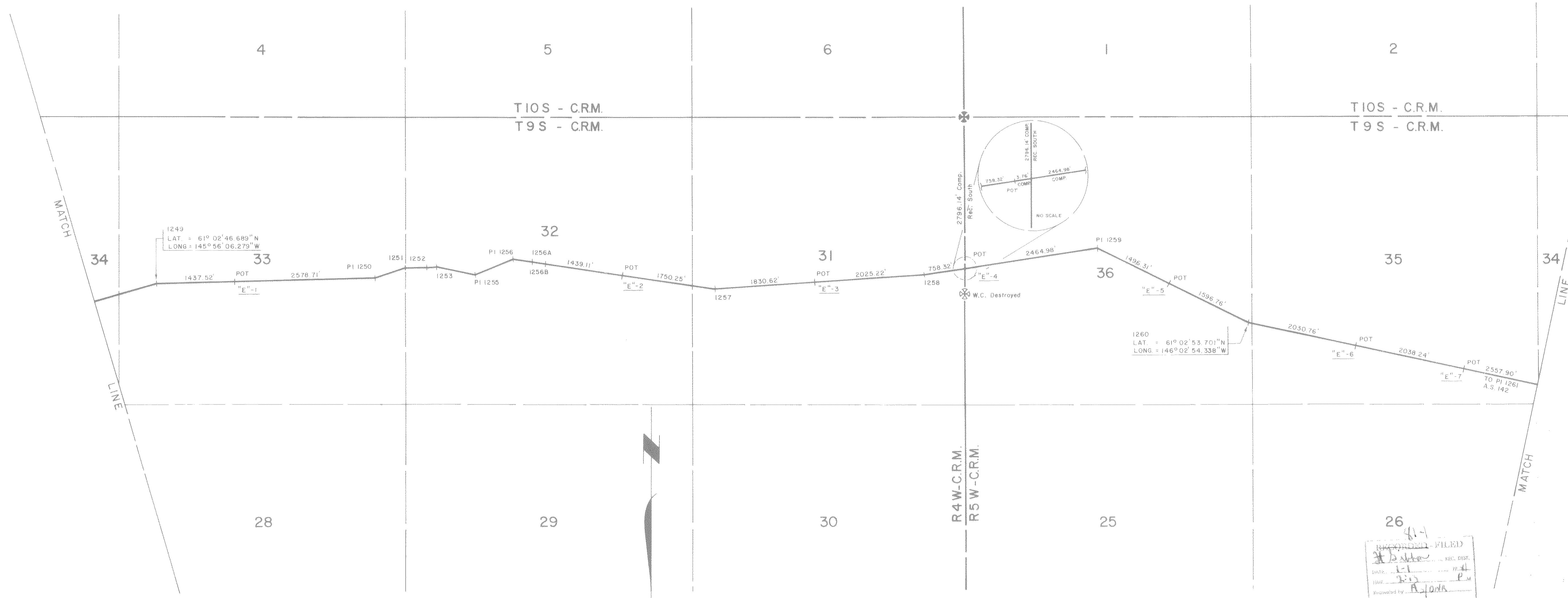
UNITED STATES DEPARTMENT OF THE INTERIOR Approval Recommended: Name: Jimmy R. [Signature] Title: Chief, Division of Cadastral Survey, Bureau of Land Management Approved: Name: [Signature] Title: Authorized Officer File No.	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA Approval Recommended: Name: [Signature] Title: Chief Cadastral Surveyor Approved: Name: [Signature] Title: Authorized Officer File No. 102-14
--	--

AL-00-GIOI SHEET 140 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			
	RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD
1248 C				1256 A	N 76° 03' 43" W	226.84'																	
1249	S 73° 55' 47" W	3582.93'		1256 B	N 81° 53' 02" W	3189.36'																	
PI 1250	S 89° 33' 11" W	4016.23'		1257	S 86° 02' 27" W	3855.84'																	
	423.59'	61.91'	122.51'																				
1251	S 71° 55' 44" W	584.80'		1258	S 81° 11' 11" W	3227.06'																	
				PI 1259	292.13'	92.19'	175.82'																
1252	S 89° 11' 18" W	397.43'		1260	N 63° 48' 04" W	3093.07'																	
1253	S 83° 31' 38" W	180.98'		1261	N 77° 42' 16" W	6626.90'																	
PI 1255	N 77° 47' 25" W	734.16'																					
	508.65'	161.42'	307.72'																				
PI 1256	S 66° 59' 30" W	748.56'																					
	290.99'	80.39'	154.97'																				
	N 82° 07' 26" W	353.50'																					

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE



81-1
RECORDED - FILED
DATE 1-11-80
TIME 10:11 P.M.
Requested by R. J. DARR
Address

81-1
RECORDED - FILED
DATE 1-11-80
TIME 10:11 P.M.
Requested by R. J. DARR
Address

81-1
RECORDED - FILED
DATE 1-11-80
TIME 10:11 P.M.
Requested by R. J. DARR
Address

81-1
Christina
1-12 81
10:20 A
R. J. DARR
Alaska Pipeline System
Anchorage, Alaska 99501

81-1
Valdey
1-12 81
10:10 A
R. J. DARR
Alaska Pipeline System
Anchorage, Alaska 99501

Date of Survey: _____ Name of Surveyor: OCEAN TECHNOLOGY LTD., 694 FM. LINDSEY & ASSOC.
 Beginning: Feb, 1977 Ending: Oct, 1980 RICHARD C. DAVIS Lic No. 1637-5
 Drawn by: R.H.M. Approved: R.C.D. Scale: 1" = 1000'
 Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.9S., R.4W., & T.9S., R.5W., C.R.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> 11/26/80 Title: Chief Cadastral Surveyor
Approved Name: <i>[Signature]</i> Title: Authorized Officer	Approved Name: <i>[Signature]</i> Title: Authorized Officer
File No. _____	File No. 102-14

AL-00-GIOI SHEET 141 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
1260	N 77°42'16" W - 6626.90'	1266B	N 80°33'46" W - 212.32'	1271	N 77°15'28" W - 3177.48'												
1261	N 89°05'17" W - 2841.47'	1266C	N 82°28'05" W - 4822.14'	1271A													
1262	N 52°45'37" W - 3206.92'	1267	N 67°05'24" W - 410.26'														
1263	N 47°52'07" W - 1969.26'	1267A	N 70°55'52" W - 223.19'														
PI 1264	298.03' 106.03' 199.79' N 87°02'48" W - 2296.83'	1267B	N 68°28'44" W - 1595.65' 352.69' 95.11' 183.66' N 36°18'10" W - 3310.56'														
1265	S 84°38'16" W - 1345.10'	PI 1268	N 45°17'22" W - 2696.47' 335.59' 102.14' 195.43' N 79°09'24" W - 2357.31'														
1266	N 81°32'35" W - 344.40'	1269															
1266A	N 83°34'40" W - 607.63'	PI 1270															

PI POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 Chitina
 1-12 81
 10:20 A
 R.D./DNR
 Valdez
 81-1
 1-12 81
 10:10 A
 R.D./DNR

RECORDED - FILED
 DATE 1-12-81
 TIME 1:15 P.M.
 Requested by R.D./DNR
 Address

RECORDED - FILED
 DATE 1-12-81
 TIME 1:17 P.M.
 Requested by R.D./DNR
 Address

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.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.9S., R.5W., & T.9S., R.6W., C.R.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name Jamming J. [Signature]	Title Chief, Division of Cadastral Survey Bureau of Land Management	Approval Recommended	Name [Signature] 4/26/80
Approval Recommended	Name [Signature]	Title Authorized Officer	Approval	Name [Signature]
Approval	Name [Signature]	Title [Signature]	Approval	Name [Signature]
File No.				File No. 102 - 14

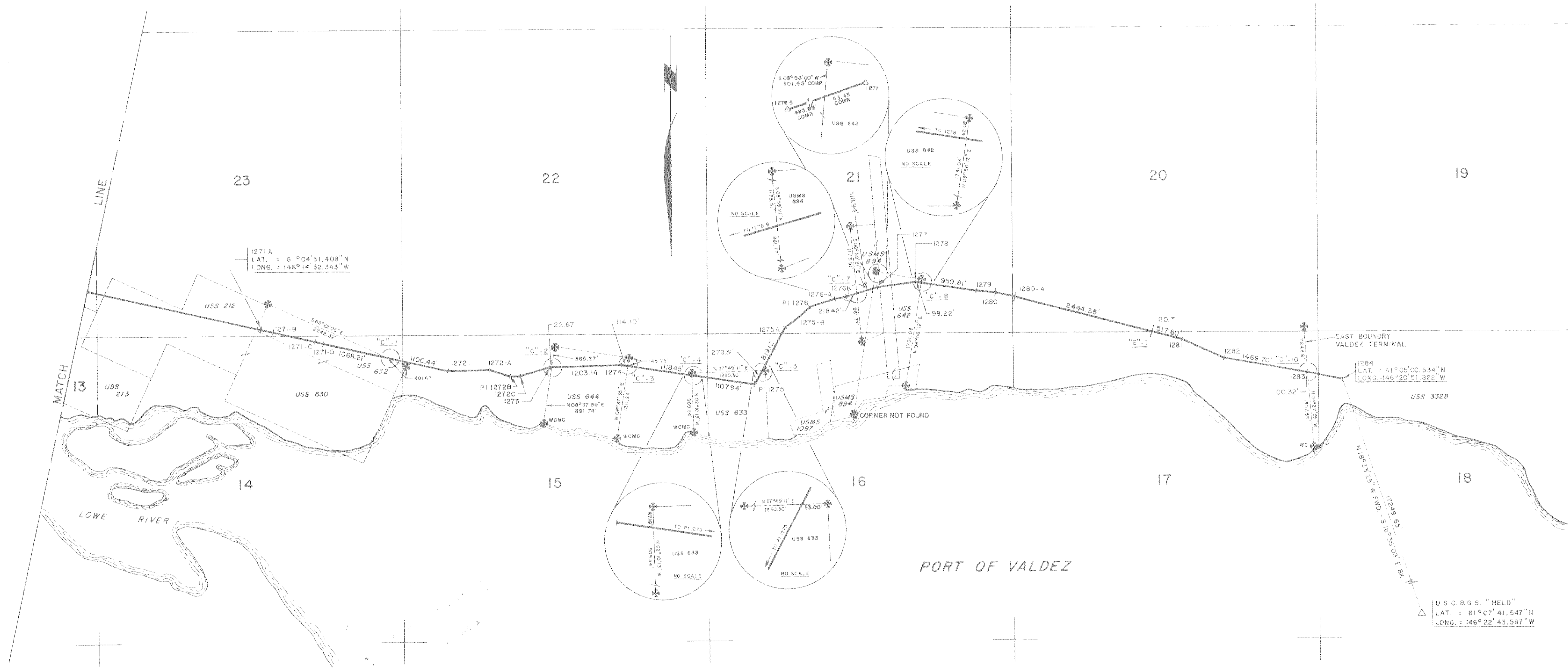
AL-00-GIOI SHEET 142 OF 143 ER-

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	
	RADIUS	TANGENT CHORD		RADIUS	TANGENT CHORD		RADIUS	TANGENT CHORD		RADIUS	TANGENT CHORD		RADIUS	TANGENT CHORD		RADIUS	TANGENT CHORD		RADIUS	TANGENT CHORD
1271	N 77° 15' 28" W	3177.48'	1272-C	S 74° 53' 59" W	541.99'	1276-B	S 72° 59' 28" W	537.36'	1283	N 78° 41' 54" W	615.35'									
1271-A	N 85° 16' 46" W	197.82'	1273	S 88° 07' 56" W	1225.81'	1277	S 81° 35' 39" W	696.60'	1284											
1271-B	N 77° 08' 35" W	758.83'	1274	N 81° 34' 46" W	2340.49'	1278	N 81° 26' 52" W	1058.03'												
1271-C	N 66° 39' 46" W	141.17'	PI 1275	187.96' 132.14' 216.20'		1279	N 86° 11' 01" W	335.38'												
1271-D	N 77° 16' 38" W	2168.65'	PI 1275-A	196.19' 44.60' 86.97'		1280	N 77° 22' 12" W	346.14'												
1272	S 88° 46' 22" W	704.73'	1275-B	S 47° 06' 10" W	250.46'	1280-A	N 75° 24' 42" W	2361.95'												
1272-A	N 71° 48' 37" W	391.86'	PI 1276	240.64' 52.22' 102.05'		1281	N 66° 02' 27" W	816.89'												
PI 1272-B	N 71° 48' 37" W	391.86'	1276-A	S 71° 35' 13" W	455.15'	1282	N 80° 12' 13" W	1470.02'												
	S 87° 56' 28" W	177.11'		S 80° 19' 01" W	201.62'															

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



T9S-R6W-C.R.M.
T9S-R7W-C.R.M.

RECORDED - FILED DATE 1-17-80 TIME 1:10 P.M. Suggested by A.D.A. Address	RECORDED - FILED DATE 1-17-80 TIME 1:10 P.M. Suggested by A.D.A. Address
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RECORDED - FILED DATE 1-17-80 TIME 1:10 P.M. Suggested by A.D.A. Address	RECORDED - FILED DATE 1-17-80 TIME 1:10 P.M. Suggested by A.D.A. Address
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81-1
Chitina 801.15
1-12 81
10:20 A
AS/DNR for
Alaska Pipeline
Service Co.
1835 S. Paragon
Anch. Ak. 99504

81-1
Valley 801.15
1-12 81
10:10 A
AS/DNR for
Alaska Pipeline
Service Co.
1835 S. Paragon
Anch. Ak. 99504

Date of Survey: Feb., 1977	Ending: Oct., 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. dba F.M. 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.9 S., R.6 W., C.R.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name: Jimmy J. [Signature]	Title: Chief, Division of Cadastral Survey	Approval Recommended	Name: [Signature] 11/26/80
Approved	Name: [Signature]	Title: Authorized Officer	Approved	Name: [Signature]
Approval Recommended	Name: [Signature]	Title: Authorized Officer	Approval Recommended	Name: [Signature]
Approval	Name: [Signature]	Title: Authorized Officer	Approval Recommended	Name: [Signature]

AL-00-GIOI SHEET 143 OF 143 ER-

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