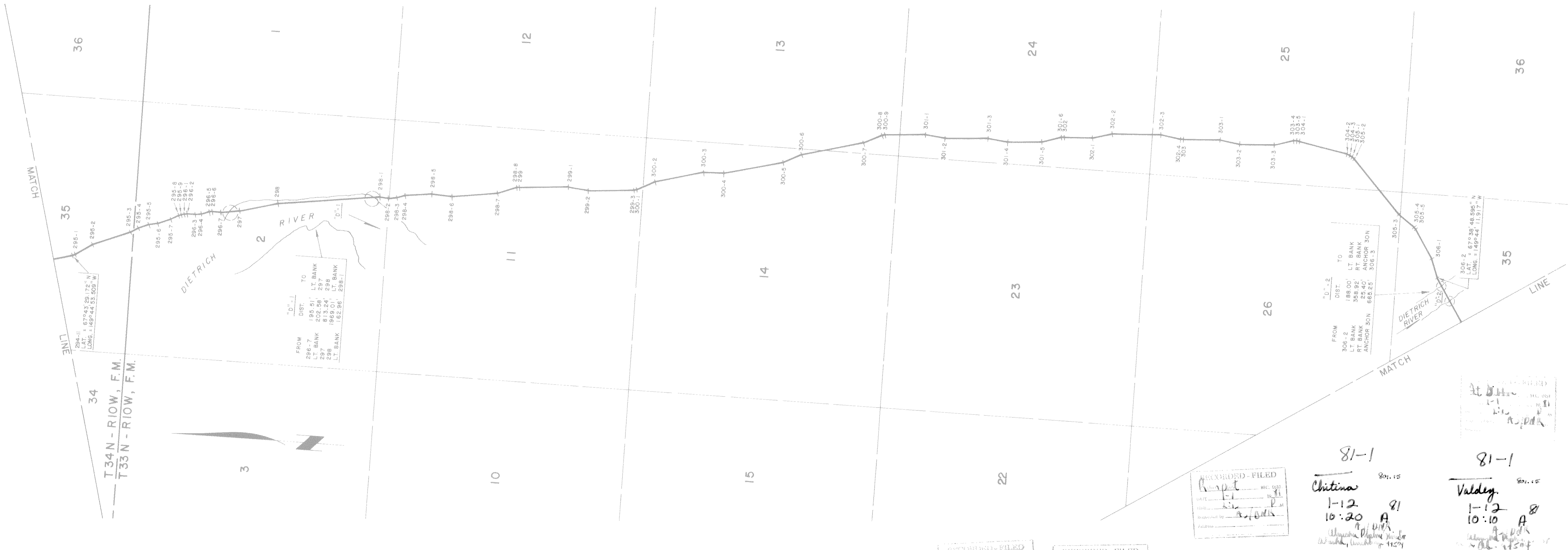


POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS 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	
294-10	S15°12'29"E - 1376.87'	295-7	S33°58'57"E - 180.12'	296-6	S03°44'48"W - 180.05'	298-5	S04°26'55"W - 420.32'	300-1	S27°09'54"E - 420.23'	300-9	S04°35'30"E - 845.01'	302-1	S15°45'27"E - 419.68'	303-4	S03°21'50"E - 63.43'	305-4	S47°04'55"W - 57.95'			
294-11	S21°59'05"E - 60.01'	295-8	S21°35'51"E - 59.96'	296-7	S08°44'10"E - 398.09'	298-6	S08°01'50"E - 959.31'	300-2	S14°39'46"E - 1027.29'	301-1	S07°52'57"W - 420.15'	302-2	S03°17'20"E - 1015.17'	303-5	S04°43'21"W - 63.39'	305-5	S57°23'29"W - 694.96'			
295-1	S33°57'57"E - 419.96'	295-9	S15°03'09"E - 59.76'	297	S14°47'47"E - 813.24'	298-7	S20°31'09"E - 420.16'	300-3	S02°09'44"E - 419.98'	301-2	S04°36'30"E - 905.29'	302-3	S09°20'09"W - 420.11'	304-1	S10°40'14"W - 1021.99'	306-1	S69°55'02"W - 420.26'			
295-2	S21°26'50"E - 834.98'	296-1	S08°40'49"E - 60.11'	298	S08°02'28"E - 2131.97'	298-8	S08°00'53"E - 59.86'	300-4	S14°39'26"E - 1267.62'	301-3	S07°55'15"W - 419.86'	302-4	S03°14'47"E - 59.85'	304-2	S16°57'00"W - 59.86'	306-2	S57°24'09"W - 1237.57'			
295-3	S34°00'47"E - 180.03'	296-2	S03°59'57"W - 178.00'	298-1	S04°28'26"W - 180.20'	299	S05°00'04"E - 1019.20'	300-5	S27°08'10"E - 420.05'	301-4	S04°35'47"E - 717.45'	303	S03°26'34"E - 770.86'	304-3	S28°44'36"W - 59.89'	306-3	S57°24'09"W - 1237.57'			
295-4	S21°26'37"E - 236.41'	296-3	S08°53'57"E - 124.31'	298-2	S08°01'41"E - 188.79'	299-1	S07°29'51"W - 419.85'	300-6	S14°38'31"E - 1315.99'	301-5	S17°06'39"E - 420.30'	303-1	S09°04'04"W - 420.11'	305-1	S40°59'24"W - 60.33'					
295-5	S08°59'51"E - 180.15'	296-4	S21°13'13"E - 180.52'	298-3	S20°27'21"E - 180.11'	299-2	S04°59'02"E - 959.01'	300-7	S27°11'30"E - 420.26'	301-6	S04°37'19"E - 59.95'	303-2	S03°26'45"E - 723.83'	305-2	S47°08'19"W - 1481.59'					
295-6	S21°26'02"E - 298.59'	296-5	S08°52'42"E - 62.16'	298-4	S08°02'55"E - 551.84'	299-3	S14°53'28"E - 60.05'	300-8	S14°43'06"E - 59.87'	302	S03°16'09"E - 597.51'	303-3	S15°57'00"E - 420.15'	305-3	S34°41'38"W - 419.98'					

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-12-80
 BY: [Signature]
 ADDRESS: [Address]

81-1
 Chitina
 1-12-80
 10:20
 Valdez
 1-12-80
 10:10
 A

RECORDED - FILED
 DATE: 1-12-80
 BY: [Signature]
 ADDRESS: [Address]

RECORDED - FILED
 DATE: 1-12-80
 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.34N., R.10W., & T.33N., R.10W., F.M., ALASKA

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

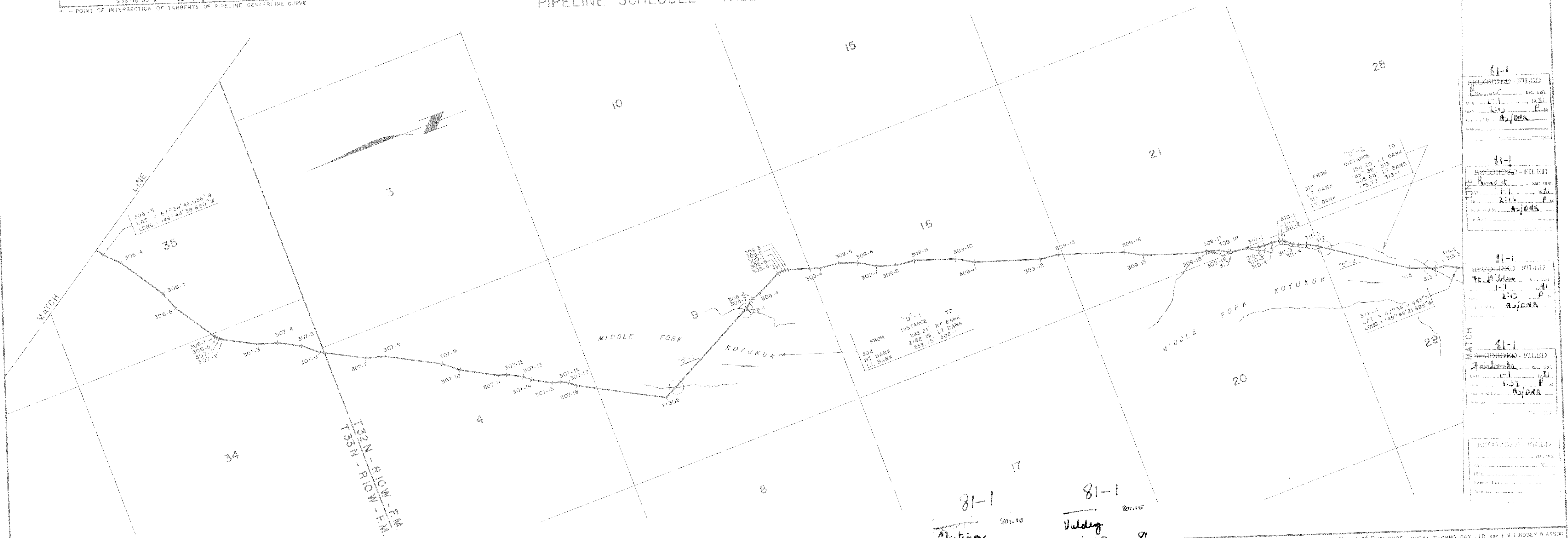
Approval Recommended: [Signature]
 Name: [Name]
 Title: Chief, Division of Cadastral Survey, Bureau of Land Management, N.S.
 Approved: [Signature]
 Name: [Name]
 Title: Authorized Officer
 File No. 102-4

AL-00-G101 SHEET 37 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended: [Signature]
Name: [Name]
Title: [Title]
Approval: [Signature]
Name: [Name]
Title: [Title]
File No. 102-4

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		
306-2	S 57° 24' 09" W - 1237.57'	307-2	S 28° 39' 42" W - 805.00'	307-10	S 28° 39' 30" W - 839.71'	307-18	S 28° 38' 04" W - 1996.95'	309-1	S 01° 52' 24" W - 60.24'	309-9	S 18° 54' 17" W - 897.29'	309-17	S 18° 44' 01" W - 299.96'	310-5	S 19° 12' 33" W - 60.08'	313-1	S 08° 28' 18" W - 180.05'		
306-3	S 44° 53' 04" W - 420.04'	307-3	S 16° 10' 41" W - 420.22'	307-11	S 16° 05' 22" W - 180.12'	307-19	S 26° 51' 49" E - 2627.52'	309-2	S 12° 58' 27" W - 60.11'	309-10	S 31° 23' 28" W - 420.38'	309-18	S 31° 40' 58" W - 179.88'	311-1	S 29° 57' 14" W - 59.71'	313-2	S 21° 05' 18" W - 109.69'		
306-4	S 57° 24' 07" W - 1139.87'	307-4	S 28° 38' 24" W - 524.56'	307-12	S 28° 39' 05" W - 359.77'	307-20	S 26° 51' 49" E - 2627.52'	309-3	S 18° 56' 21" W - 713.96'	309-11	S 18° 53' 50" W - 1439.78'	309-19	S 18° 42' 42" W - 60.25'	311-2	S 42° 25' 22" W - 180.65'	313-3	S 33° 25' 55" W - 180.03'		
306-5	S 69° 56' 23" W - 420.02'	307-5	S 41° 07' 12" W - 420.19'	307-13	S 41° 05' 40" W - 180.25'	307-21	S 26° 51' 49" E - 2627.52'	309-4	S 18° 56' 21" W - 713.96'	309-12	S 06° 24' 40" W - 420.15'	310	S 08° 08' 55" W - 441.16'	311-3	S 30° 00' 47" W - 118.55'	313-4	S 20° 58' 12" W - 352.61'		
306-6	S 57° 24' 07" W - 1064.64'	307-6	S 28° 40' 06" W - 1019.66'	307-14	S 28° 39' 19" W - 479.56'	307-22	S 26° 51' 49" E - 2627.52'	309-5	S 18° 54' 42" W - 412.02'	309-13	S 18° 53' 25" W - 1439.88'	310-1	S 21° 05' 39" W - 180.18'	311-4	S 17° 28' 20" W - 180.76'	313-5	S 20° 58' 12" W - 352.61'		
306-7	S 52° 01' 41" W - 58.58'	307-7	S 16° 11' 27" W - 420.46'	307-15	S 16° 08' 15" W - 180.31'	307-23	S 26° 51' 49" E - 2627.52'	309-6	S 31° 22' 24" W - 420.25'	309-14	S 31° 22' 51" W - 419.81'	310-2	S 08° 15' 44" W - 125.29'	311-5	S 29° 56' 09" W - 256.70'				
306-8	S 43° 36' 02" W - 58.62'	307-8	S 28° 38' 47" W - 1259.59'	307-16	S 28° 37' 59" W - 179.77'	307-24	S 26° 51' 49" E - 2627.52'	309-7	S 18° 54' 02" W - 419.75'	309-15	S 18° 53' 11" W - 1199.49'	310-3	S 04° 14' 02" E - 180.11'	312	S 34° 48' 12" W - 2051.62'				
307-1	S 33° 16' 05" W - 58.70'	307-9	S 41° 09' 05" W - 420.24'	307-17	S 41° 08' 21" W - 179.87'	307-25	S 09° 52' 50" E - 59.89'	309-8	S 06° 25' 03" W - 180.21'	309-16	S 06° 25' 03" W - 180.21'	310-4	S 08° 12' 19" W - 178.95'	313	S 20° 40' 45" W - 581.40'				

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by A.J. DRA
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by A.J. DRA
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by A.J. DRA
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by A.J. DRA
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by A.J. DRA
Address

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

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

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

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.33N., R.10W., & T.32N., R.10W., F.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey Bureau of Land Management NOV 3 1980	Approval Recommended Name: <i>[Signature]</i> 11/12/80 Title: Chief Cadastral Surveyor
Approved Name: <i>[Signature]</i> Title: Authorizing Officer NOV 5 1980	Approved Name: <i>[Signature]</i> Title: Authorized Officer
File No.	File No. 102-4

AL-00-G101 SHEET 38 OF 143 ER-

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

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L CHORD		
313-4	S20°56'12"W - 352.61'	314-3	S28°33'53"W - 420.15'	315-3	S01°15'27"W - 829.08'	316-4	S31°56'51"W - 486.47'	318-1	S18°16'15"E - 419.85'	319-4	S13°12'19"E - 1097.75'	320-5	S08°32'14"W - 745.20'	323-6	S16°07'06"W - 121.55'	323-14	S15°49'11"W - 660.63'				
313-5	S08°28'04"W - 420.14'	314-4	S41°02'28"W - 824.88'	315-4	S13°45'42"W - 419.24'	316-5	S26°54'00"W - 60.05'	318-2	S08°46'41"E - 793.03'	319-5	S00°42'05"E - 420.04'	321	S18°03'54"W - 2401.19'	323-7	S28°17'14"W - 180.18'	323-15	S21°17'51"W - 60.01'				
313-6	S20°59'01"W - 897.76'	314-5	S53°31'08"W - 420.22'	315-5	S01°15'39"W - 486.31'	316-6	S17°21'48"W - 59.93'	318-3	S06°42'53"W - 419.94'	319-6	S13°12'30"E - 611.21'	323	S15°48'35"W - 900.87'	323-8	S15°46'57"W - 479.49'	323-16	S33°18'36"W - 59.71'				
313-7	S33°27'15"W - 420.09'	314-6	S41°01'49"W - 957.06'	315-6	S06°25'51"W - 51.01'	317-1	S07°39'38"W - 60.02'	318-4	S05°35'57"E - 59.97'	319-7	S02°13'17"E - 60.13'	323-1	S03°20'13"W - 180.12'	323-9	S03°22'17"W - 420.15'	324-1	S44°43'52"W - 59.92'				
313-8	S20°58'05"W - 1096.84'	314-7	S35°33'32"W - 60.07'	315-7	S16°39'11"W - 51.23'	317-2	S02°42'21"W - 524.88'	318-5	S15°12'47"E - 1068.35'	320-1	S08°32'22"W - 59.86'	323-2	S15°48'52"W - 63.54'	323-10	S15°49'03"W - 1079.90'	324-2	S50°33'13"W - 530.71'				
313-9	S25°59'15"W - 54.95'	314-8	S26°22'35"W - 59.95'	316-1	S26°58'37"W - 51.03'	317-3	S15°13'21"W - 420.03'	319-1	S25°42'48"E - 419.82'	320-2	S21°03'32"W - 179.57'	323-3	S28°22'01"W - 180.27'	323-11	S28°21'31"W - 419.95'	324-3	S63°01'20"W - 420.06'				
314-1	S35°51'23"W - 55.48'	315-1	S15°58'49"W - 59.87'	316-2	S31°57'40"W - 804.58'	317-4	S02°43'50"W - 484.86'	319-2	S13°12'21"E - 1307.05'	320-3	S08°32'05"W - 171.44'	323-4	S15°46'41"W - 306.97'	323-12	S15°48'26"W - 1019.68'	324-4	S50°29'43"W - 526.14'				
314-2	S41°03'00"W - 961.06'	315-2	S06°52'56"W - 59.97'	316-3	S19°24'21"W - 420.16'	317-5	S05°47'02"E - 64.71'	319-3	S25°41'49"E - 420.00'	320-4	S04°00'08"E - 179.90'	323-5	S03°04'10"W - 179.45'	323-13	S03°17'59"W - 420.06'	324-5					

P1 POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A.M.
PREPARED BY: R. J. P. J.

RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A.M.
PREPARED BY: R. J. P. J.

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

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

AL-00-G101 SHEET 39 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. Korte</i>

Date of Survey	Beginning	Ending	Name of Surveyor	RICHARD C. DAVIS
Feb. 1977	Oct. 1980			
Drawn by	Approved	R.C.D.	Scale	1" = 1000'
Description A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 32 N., R. 10 W. & T. 31 N., R. 10 W., F.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name	Approval Recommended	Name	
	<i>Richard C. Davis</i>		<i>Richard C. Davis</i>	
Title	Chief, Division of Cadastral Survey Bureau of Land Management	Title	Chief Cadastral Surveyor	
Approved	Name	Approved	Name	
	<i>Richard C. Davis</i>		<i>Richard C. Davis</i>	
Title	Authorized Officer	Title	Authorized Officer	
File No.		File No.	102-4	

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	
324-4	S50°29'43"W - 526.14'	324-12	S50°30'44"W - 537.68'	325-5	S65°16'06"W - 419.82'	326-4	S61°02'06"W - 641.24'	327-6	N86°47'10"W - 837.62'	328-5	S55°46'25"W - 420.15'	329-6	S66°32'07"W - 1235.04'	330-3	S48°30'33"W - 710.88'					
324-5	S38°01'30"W - 419.75'	324-13	S38°02'16"W - 420.06'	325-6	S62°46'48"W - 1255.94'	326-5	S66°31'25"W - 59.34'	327-7	N74°19'20"W - 420.21'	328-6	S66°14'03"W - 896.95'	329-7	S79°00'46"W - 419.89'	330-4	S61°03'31"W - 419.04'					
324-6	S50°30'11"W - 477.61'	324-14	S50°28'35"W - 59.06'	325-7	S40°15'59"W - 419.89'	326-6	S77°09'14"W - 59.74'	327-8	N86°47'34"W - 840.11'	329	S66°31'29"W - 59.89'	329-8	S66°30'36"W - 755.98'	330-5	S48°38'00"W - 59.62'					
324-7	S62°59'16"W - 419.91'	324-15	S52°49'03"W - 682.36'	325-8	S52°46'41"W - 1376.51'	327-1	S87°49'03"W - 59.48'	327-9	S86°04'50"W - 59.84'	329-1	S54°02'10"W - 420.17'	329-9	S79°02'18"W - 420.08'	330-6	S41°06'49"W - 658.30'					
324-8	S50°34'17"W - 418.35'	325-1	S65°16'20"W - 420.18'	325-9	S61°05'04"W - 59.97'	327-2	N86°45'55"W - 604.60'	328-1	S75°22'08"W - 60.03'	329-2	S66°32'53"W - 416.82'	329-10	S66°32'10"W - 534.13'	331-1	S28°37'10"W - 420.38'					
324-9	S38°00'12"W - 419.90'	325-2	S52°48'16"W - 925.59'	326-1	S73°32'58"W - 420.02'	327-3	N74°18'01"W - 420.02'	328-2	S69°16'13"W - 775.58'	329-3	S79°00'34"W - 419.80'	329-11	S57°35'17"W - 59.33'	331-2						
324-10	S50°32'38"W - 477.23'	325-3	S40°16'05"W - 419.80'	326-2	S61°03'10"W - 942.69'	327-4	N86°46'36"W - 545.23'	328-3	S80°41'47"W - 420.24'	329-4	S66°31'38"W - 596.71'	330-1	S48°19'09"W - 58.91'							
324-11	S63°04'48"W - 418.23'	325-4	S52°47'47"W - 956.71'	326-3	S48°34'56"W - 420.16'	327-5	S80°42'49"W - 420.15'	328-4	S68°13'22"W - 1134.40'	329-5	S54°00'57"W - 419.96'	330-2	S36°07'44"W - 420.23'							

P1 - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
DATE: 1-12-81
BY: RHM
SUGGESTED BY: RJD/MS

RECORDED - FILED
DATE: 1-12-81
BY: RHM
SUGGESTED BY: RJD/MS

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

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

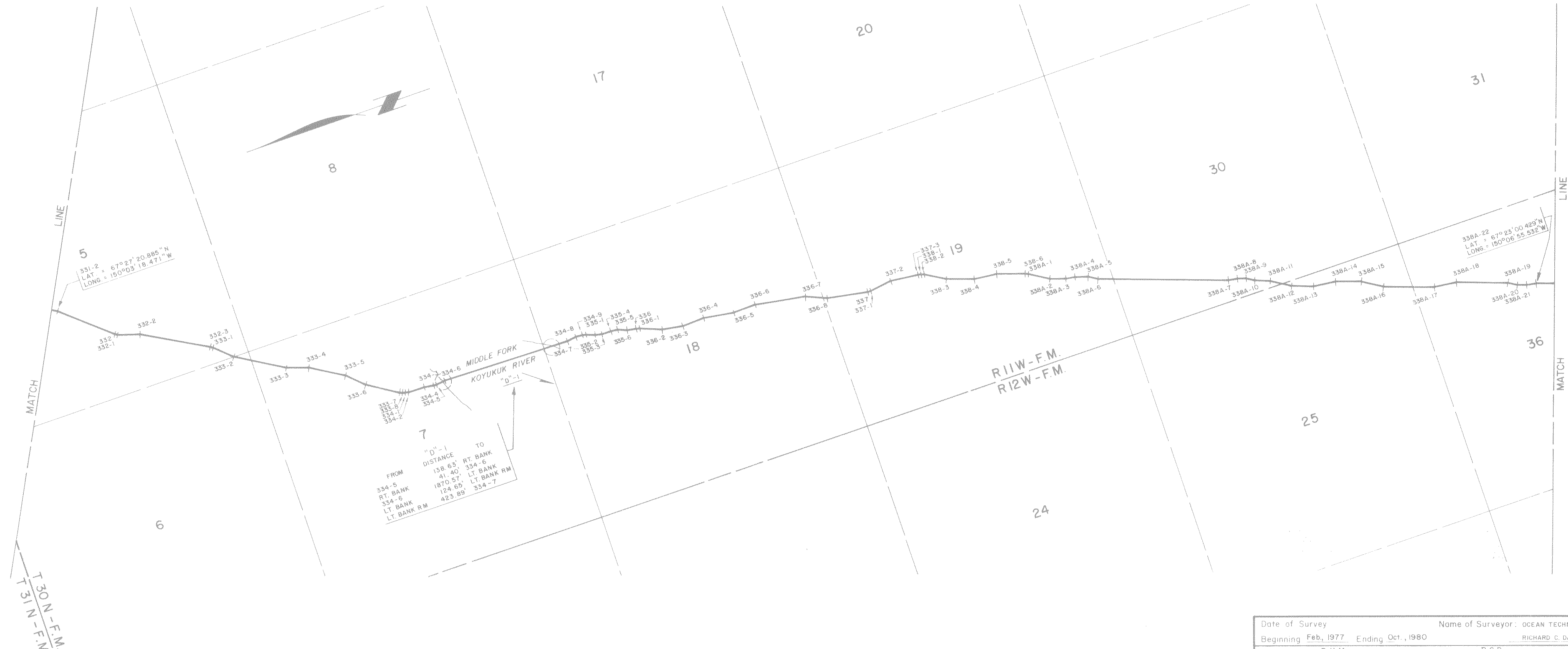
AL-00-G101 SHEET 40 OF 143		ER-	
ALYESKA PIPELINE SERVICE CO., AGENT		PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	
TRANS ALASKA PIPELINE SYSTEM		Approval Recommended: <i>W. J. Smith</i>	
Approval Recommended: <i>J. C. Horle</i>		Approval: <i>J. C. Horle</i>	

Date of Survey	Beginning 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	RHM	Approved	R.C.D.	Scale	1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.31N, R.10W, & I.1W, T.30N, R.11W, F.M. ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended			Approval Recommended			
Name: <i>Richard C. Davis</i>			Name: <i>Richard C. Davis</i>			
Title: Chief, Division of Cadastral Survey Bureau of Land Management			Title: Chief Cadastral Surveyor			
Approved			Approved			
Name: <i>Richard C. Davis</i>			Name: <i>Richard C. Davis</i>			
Title: Authorized Officer			Title: Authorized Officer			
File No.			File No. 102-4			

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	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		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT		RADIUS	TANGENT																																																																														
331-1		S 28° 37' 10" W	420.38'	333-3		S 18° 14' 42" W	420.17'	334-3		S 14° 02' 26" W	179.79'	335-2		S 09° 20' 50" W	127.92'	336-3		S 02° 43' 09" E	418.38'	337-2		S 08° 27' 07" W	526.20'	338A-1		S 31° 48' 25" W	419.78'	338A-9		S 31° 48' 10" W	179.09'	338A-17		S 06° 46' 29" W	419.82'	338A-18		S 19° 06' 43" W	1161.91'	338A-19		S 19° 17' 15" W	959.63'	338A-20		S 31° 46' 37" W	180.20'	338A-21		S 19° 16' 25" W	285.25'	338A-22		S 19° 17' 33" W	489.39'	339		S 19° 22' 51" W	830.53'	332-1		S 29° 11' 01" W	56.84'	333-5		S 43° 13' 39" W	419.87'	334-5		S 10° 59' 15" E	180.03'	335-4		S 09° 54' 59" W	124.39'	336-5		S 02° 50' 08" E	430.26'	337-1		S 18° 44' 06" W	60.31'	338A-3		S 19° 18' 59" W	300.47'	338A-10		S 19° 16' 25" W	285.25'	338A-11		S 31° 50' 40" W	418.42'	338A-12		S 19° 17' 16" W	243.66'	338A-13		S 06° 47' 19" W	420.19'	338A-14		S 19° 17' 33" W	489.39'	338A-15		S 19° 15' 07" W	2459.42'	338A-16		S 31° 48' 00" W	420.07'	338A-19		S 33° 23' 00" N LAT = 67° 23' 00" N LONG = 150° 06' 55" W	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



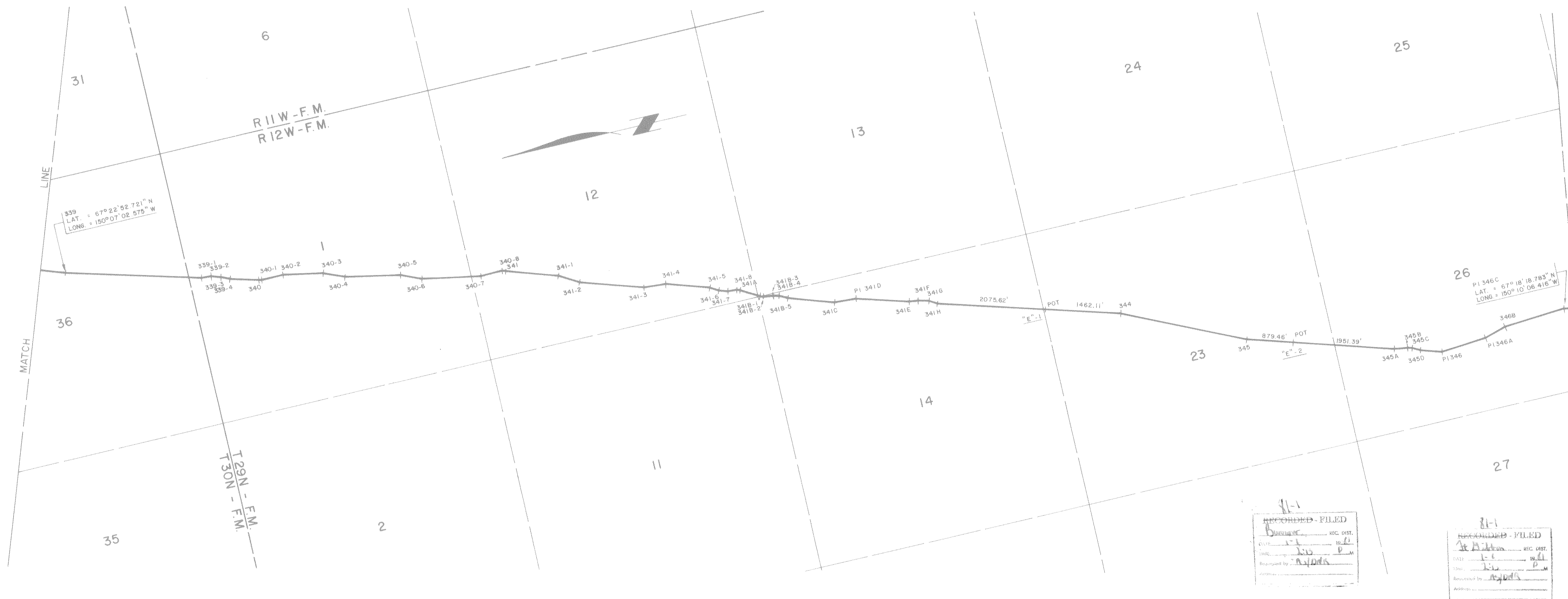
81-1 RECORDED - FILED DATE: 1-31-80 BY: [Signature] FOR: [Signature]
81-1 RECORDED - FILED DATE: 1-31-80 BY: [Signature] FOR: [Signature]
81-1 RECORDED - FILED DATE: 1-31-80 BY: [Signature] FOR: [Signature]
81-1 RECORDED - FILED DATE: 1-12-80 BY: [Signature] FOR: [Signature]
81-1 RECORDED - FILED DATE: 1-12-80 BY: [Signature] FOR: [Signature]

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: [Signature]	R.C.D.	Scale: 1" = 1000'			
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.30N., R. 11 & 12 W., F.M., ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR ALYESKA PIPELINE SERVICE CO., AGENT TRANS ALASKA PIPELINE SYSTEM PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE Approval Recommended: [Signature]		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA Approval Recommended: [Signature] 4/12/80 Title: Chief Cadastral Surveyor Approval: [Signature] Name: [Signature] Title: Acting Authorized Officer				
No.	DATE	REVISION	BY	CHKD	APP	File No. 102-4

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
338A-22	S19°22'51"W - 830.53'	340-2	S11°01'41"W - 773.52'	341-1	S30°08'35"W - 420.92'	341A	S30°02'13"W - 417.51'	341E	S03°45'13"W - 164.09'	345C	S27°57'04"W - 170.14'						
339	S15°24'47"W - 2617.67'	340-3	S23°33'56"W - 419.78'	341-2	S17°40'09"W - 1203.67'	341B-1	S18°20'04"W - 59.33'	341F	S15°24'20"W - 191.55'	345D	S16°45'35"W - 424.75'						
339-1	S02°59'12"W - 180.15'	340-4	S11°02'14"W - 1067.30'	341-3	S05°09'28"W - 420.02'	341B-2	S04°55'26"W - 180.24'	341G	S28°24'59"W - 185.55'	PI 346	445.37' 82.08' 161.43'						
339-2	S15°19'24"W - 187.49'	340-5	S23°30'29"W - 419.67'	341-4	S17°40'18"W - 839.22'	341B-3	S17°41'19"W - 119.38'	341H	S16°20'23"W - 3537.73'	PI 346A	1172.77' 128.33' 255.13'						
339-3	S27°49'50"W - 180.42'	340-6	S11°02'25"W - 1134.98'	341-5	S30°11'17"W - 180.17'	341B-4	S30°22'23"W - 179.92'	344	S24°40'55"W - 2454.23'	346B	S04°08'20"E - 1186.93'						
339-4	S15°24'46"W - 552.36'	340-7	S01°26'11"E - 419.86'	341-6	S17°37'09"W - 179.26'	341B-5	S17°34'16"W - 897.12'	345	S16°44'58"W - 2830.85'	PI 346C	776.26' 88.25' 175.36'						
340	S10°42'52"W - 60.04'	340-8	S10°52'19"W - 59.74'	341-7	S04°54'55"W - 176.74'	341C	S03°50'03"W - 419.40'	345A	S08°45'16"W - 267.20'	346D	S08°49'58"W - 402.64'						
340-1	S01°24'31"E - 419.50'	341	S17°40'15"W - 1014.83'	341-8	S18°25'05"W - 57.94'	PI 341D	1052.01' 115.30' 229.23'	345B	S18°18'43"W - 78.33'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina
1-12 10:20 A
15/10/80
A.J. Davis
1504

81-1
Valdez
1-12 10:10 A
15/10/80
A.J. Davis
1504

81-1
RECORDED - FILED
DATE 1-12-80
BY A.J. Davis
1504

81-1
RECORDED - FILED
DATE 1-12-80
BY A.J. Davis
1504

81-1
RECORDED - FILED
DATE 1-12-80
BY A.J. Davis
1504

81-1
RECORDED - FILED
DATE 1-12-80
BY A.J. Davis
1504

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.30N., R.12W., & T.29N., R.12W., F.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended			Approval Recommended		
Name: <i>[Signature]</i>			Name: <i>[Signature]</i> 11/12/80		
Title: Chief, Division of Cadastral Survey			Title: Chief Cadastral Surveyor		
Bureau of Land Management NOV 9, 1980					
Approval			Approval		
Name: <i>[Signature]</i>			Name: <i>[Signature]</i>		
Title: Actg. Authorized Officer			Title: Authorized Officer		
NOV 9, 1980					
Approval: <i>[Signature]</i>			File No. 102-4		

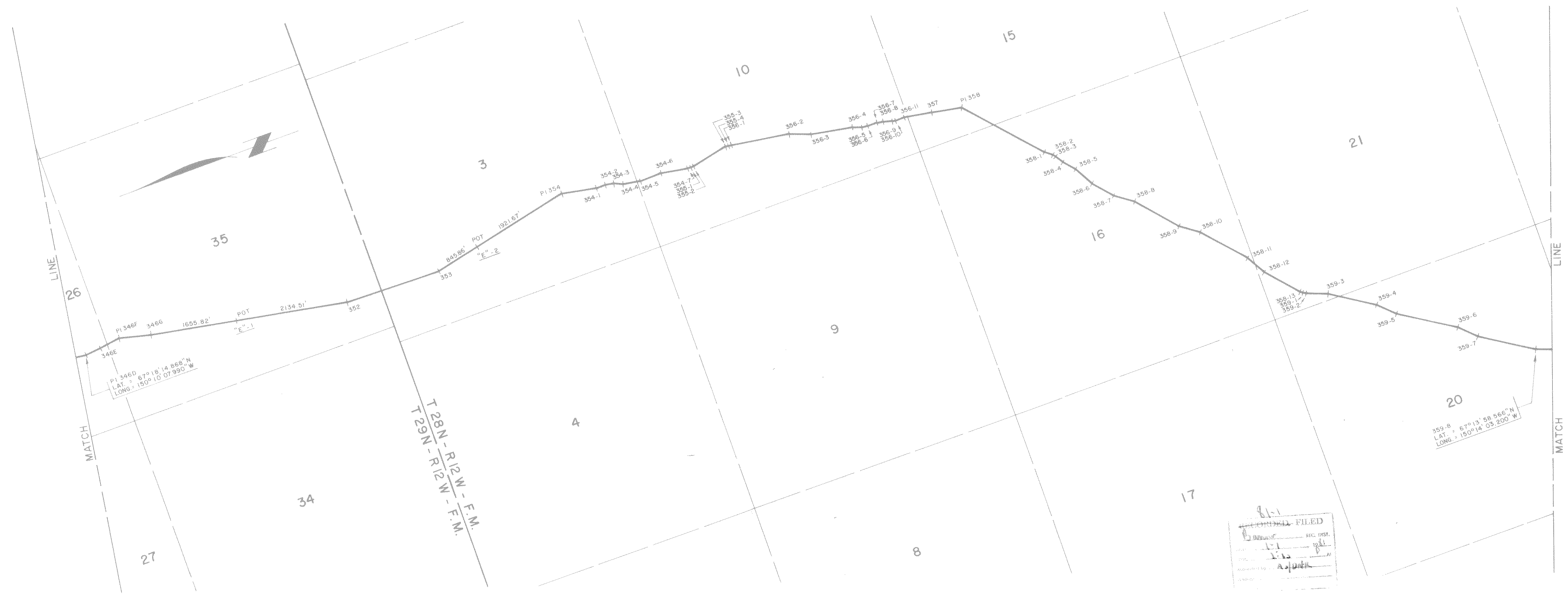
AL-00-G101 SHEET 42 OF 143 ER-

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
346C	S09°49'58"W - 402.64'	354-1	S01°55'18"E - 180.01'	355-2	S11°10'32"E - 711.41'	356-6	S05°03'14"E - 179.81'	358-1	S35°48'52"W - 180.12'	359-4	S44°39'04"W - 420.07'								
P1 346D	S04°11'15"E - 295.59'	354-2	S10°36'29"W - 162.42'	355-3	S05°48'06"E - 59.91'	356-7	S08°53'56"W - 120.22'	358-2	S48°12'24"W - 49.77'	359-5	S32°12'06"W - 1195.12'								
346E	S09°50'59"E - 405.82'	354-3	S23°08'06"W - 179.39'	355-4	S03°59'20"W - 60.16'	356-8	S21°41'48"W - 179.94'	358-3	S60°49'16"W - 180.01'	359-6	S44°44'51"W - 411.93'								
P1 346F	S14°06'25"W - 615.93'	354-4	S10°34'29"W - 340.13'	355-1	S09°13'27"W - 1114.89'	356-9	S09°13'31"W - 59.66'	358-4	S48°18'03"W - 274.07'	359-7	S32°08'54"W - 1141.59'								
346G	S10°21'49"W - 3790.33'	354-5	S01°54'28"E - 420.11'	355-2	S21°42'25"W - 419.50'	356-10	S03°18'35"E - 179.81'	358-5	S60°48'30"W - 419.93'	359-8	S19°39'38"W - 420.01'								
352	S01°40'25"W - 1854.04'	354-6	S10°34'06"W - 518.05'	355-3	S09°12'44"W - 808.03'	356-11	S09°08'16"W - 539.67'	358-6	S48°16'47"W - 468.41'	359-9									
353	S12°23'14"E - 2767.53'	354-7	S05°13'05"W - 58.05'	355-4	S21°42'37"W - 179.87'	357	S10°42'58"W - 585.19'	358-7	S35°46'28"W - 419.64'										
P1 354	S10°55'30"W - 666.79'	355-1	S05°43'59"E - 57.87'	355-5	S09°13'02"W - 119.98'	P1 358	S48°19'01"W - 1778.32'	358-8	S48°17'25"W - 959.79'	359-3	S32°09'07"W - 946.45'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
At 11:15 AM
1-12-81
10:20 AM
Chitino
81-15
81-1
Valdey
1-12-81
10:10 AM
81-15

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.29N., R.12W., & T.28N., R.12W., F.M., ALASKA

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

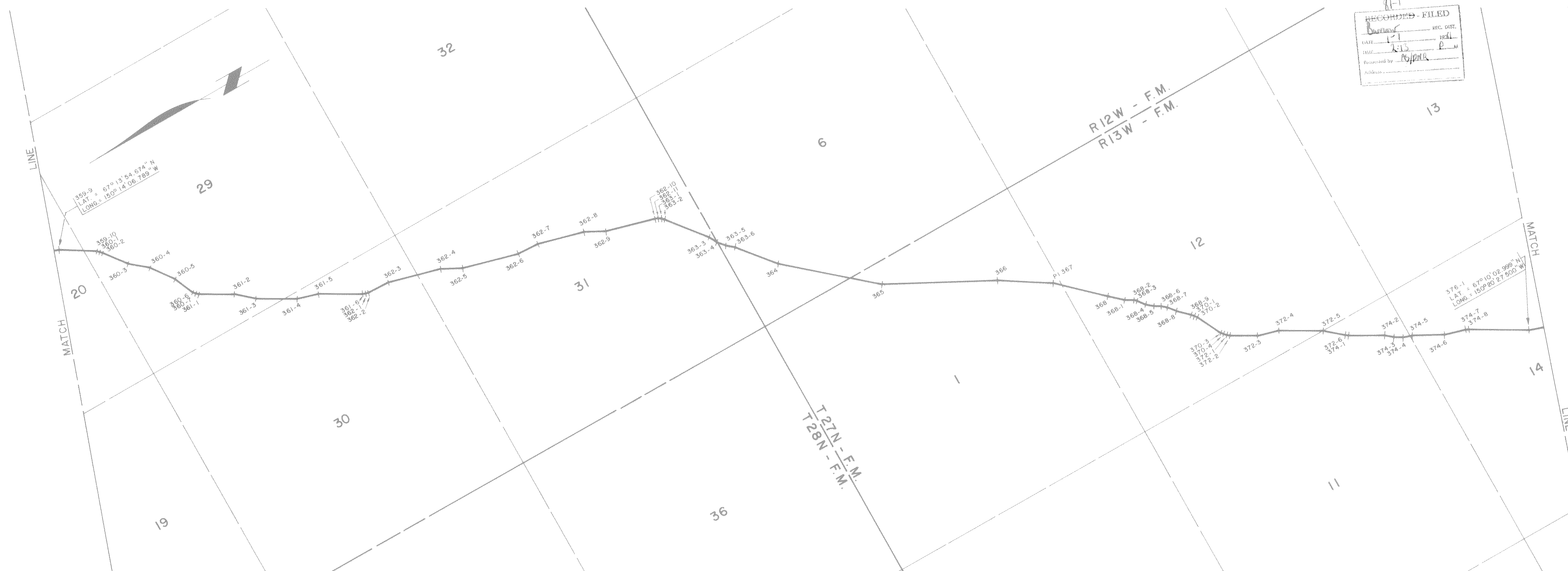
Approval Recommended Name: [Signature] Title: Chief, Division of Cadastral Survey Bureau of Land Management
Approved Name: [Signature] Title: Authorized Officer
File No. 102-4

AL-00-GIO1 SHEET 43 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]

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	
359-8	S19°39'38"W - 420.01'	360-6	S53°11'06"W - 59.78'	362-1	S14°57'08"W - 59.76'	362-9	S15°01'47"W - 958.15'	363-6	S50°31'03"W - 875.00'	368-3	S54°08'35"W - 180.17'	370-2	S62°25'50"W - 535.66'	372-6	S29°21'17"W - 63.73'	374-8	S30°07'52"W - 1139.96'			
359-9	S32°08'09"W - 718.95'	360-7	S41°00'14"W - 62.04'	362-2	S02°30'24"W - 418.39'	362-10	S20°53'12"W - 59.85'	364	S40°29'13"W - 1984.56'	368-4	S41°31'04"W - 118.01'	370-3	S55°32'41"W - 60.25'	374-1	S28°53'13"W - 686.44'	376-1	S17°35'25"W - 419.83'			
359-10	S37°50'01"W - 59.40'	361-1	S29°26'13"W - 669.54'	362-3	S15°01'10"W - 1028.17'	362-11	S33°15'39"W - 59.81'	365	S27°37'31"W - 2194.56'	368-5	S29°12'42"W - 180.59'	370-4	S45°35'02"W - 60.14'	374-2	S41°24'00"W - 180.34'	376-2				
360-1	S47°29'14"W - 60.35'	361-2	S41°57'53"W - 419.83'	362-4	S27°33'01"W - 419.94'	363-1	S44°05'29"W - 59.80'	366	S32°01'41"W - 1062.01'	368-6	S41°36'19"W - 120.14'	372-1	S35°26'36"W - 60.42'	374-3	S28°57'32"W - 179.58'					
360-2	S53°13'52"W - 518.10'	361-3	S29°24'48"W - 785.19'	362-5	S15°01'49"W - 1088.80'	363-2	S50°30'43"W - 901.94'	PI 367	1337.17' 126.81' 252.49'	368-7	S54°08'11"W - 180.17'	372-2	S29°15'00"W - 520.12'	374-4	S16°20'11"W - 180.42'					
360-3	S40°42'57"W - 420.12'	361-4	S16°41'37"W - 411.80'	362-6	S02°31'39"W - 419.86'	363-3	S63°07'56"W - 178.14'	368	S41°18'17"W - 302.87'	368-8	S41°29'42"W - 295.95'	372-3	S16°49'31"W - 419.72'	374-5	S28°54'31"W - 600.24'					
360-4	S53°11'42"W - 522.22'	361-5	S29°26'07"W - 836.16'	362-7	S15°01'15"W - 900.07'	363-4	S50°31'30"W - 182.32'	368-1	S29°08'11"W - 180.03'	368-9	S47°14'43"W - 59.26'	372-4	S29°20'07"W - 850.52'	374-6	S16°23'17"W - 420.50'					
360-5	S65°42'46"W - 420.14'	361-6	S22°23'23"W - 60.09'	362-8	S27°30'59"W - 419.59'	363-5	S37°45'15"W - 177.91'	368-2	S41°33'55"W - 58.97'	370-1	S56°44'16"W - 59.07'	372-5	S41°48'34"W - 420.57'	374-7	S28°14'09"W - 59.77'					

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-80
BY: R.C.D.
FILED: 1-11-80
ANCHORAGE, ALASKA

81-1
RECORDED - FILED
DATE: 1-11-80
BY: R.C.D.
FILED: 1-11-80
ANCHORAGE, ALASKA

81-1
RECORDED - FILED
DATE: 1-11-80
BY: R.C.D.
FILED: 1-11-80
ANCHORAGE, ALASKA

81-1
Chitina
1-12 81
10:20 A
R.C.D.
ANCHORAGE, ALASKA

81-1
Valdez
1-12 81
10:10 A
R.C.D.
ANCHORAGE, ALASKA

AL-00-GIOI SHEET 44 OF 143 ER-

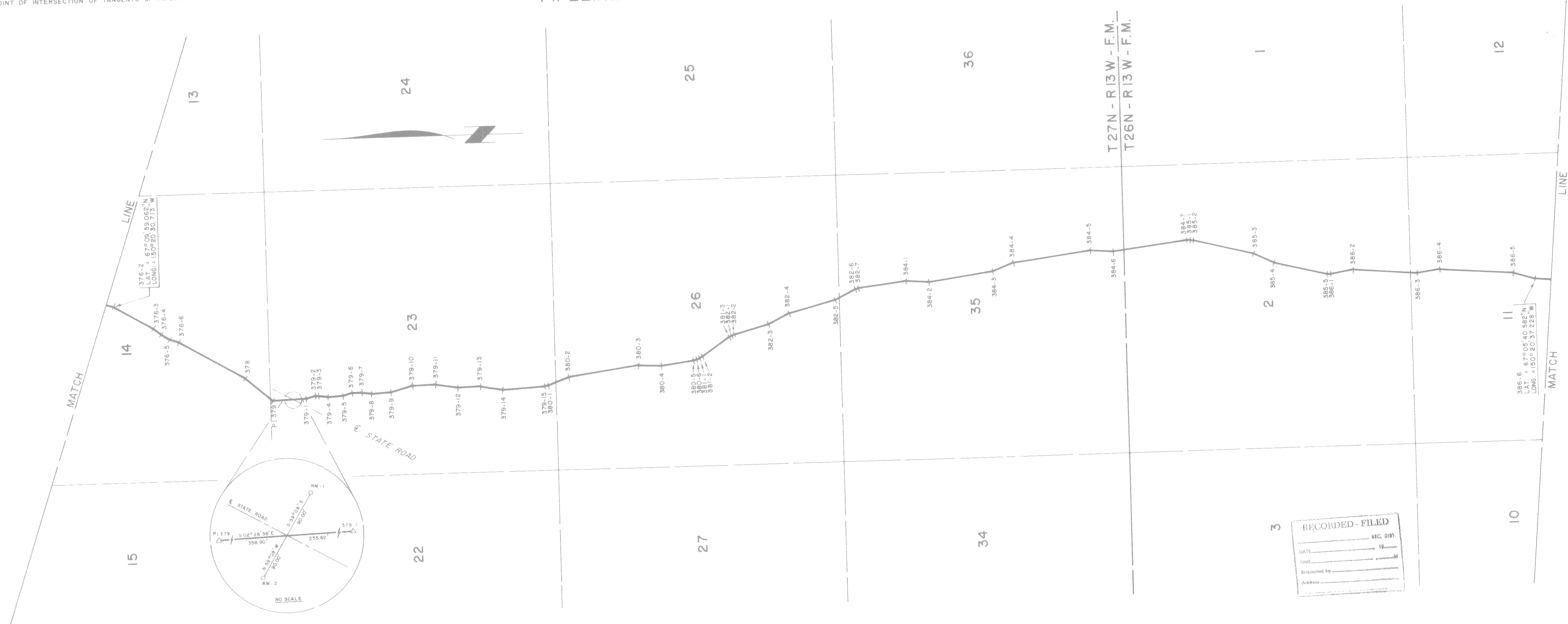
ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	M. J. Smith		
Approval	J. C. Hare		

Date of Survey	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.		
Beginning Feb. 1977	Ending Oct. 1980	RICHARD C. DAVIS	Lic. No. 1637-S
Drawn by R.H.M.	Approved R.C.D.	Scale	1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.28N, R.12W, & T.27N, R.12 & 13W, F.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name: Jimmy Seal		
Title	Chief, Division of Cadastral Survey Bureau of Land Management (11-1980)		
Approval Recommended	Name: Robert H. Hare		
Title	Chief Cadastral Surveyor		
Approval	Name: Alan H. Kohl		
Title	Acting Authorized Officer		
Approval	Name: Thomas Shante		
Title	Authorized Officer		
File No.	File No. 102-4		

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	
376-1	S17°35'25"W - 419.83'	379-1	S14°38'08"E - 179.87'	379-9	S14°54'56"E - 418.87'	380-2	S08°20'10"E - 1305.75'	382-1	S19°25'27"E - 59.34'	384-2	S07°32'30"E - 1191.65'	386-3	S26°09'56"W - 418.44'	386-6	S04°27'27"W - 1438.14'					
376-2	S30°06'01"W - 839.19'	379-2	S02°30'08"E - 55.58'	379-10	S02°27'36"E - 421.32'	380-3	S04°10'19"W - 420.63'	382-2	S14°20'17"E - 654.44'	384-3	S20°03'20"E - 419.57'	386-4	S13°36'11"W - 1010.56'	386-7						
376-3	S42°36'22"W - 179.99'	379-3	S10°06'06"W - 180.18'	379-11	S10°13'01"W - 418.86'	380-4	S08°19'11"E - 599.11'	382-3	S26°56'22"E - 420.61'	384-4	S07°32'31"E - 1437.69'	386-5	S03°53'50"W - 60.72'							
376-4	S30°08'23"W - 179.87'	379-4	S02°23'11"E - 278.26'	379-12	S02°27'43"E - 419.10'	380-5	S12°36'53"E - 60.46'	382-4	S14°22'08"E - 894.93'	384-5	S04°58'14"W - 419.75'	386-6	S08°04'18"E - 419.42'							
376-5	S17°34'27"W - 180.69'	379-5	S15°01'19"E - 177.48'	379-13	S10°10'50"W - 420.12'	380-6	S21°24'33"E - 61.96'	382-5	S26°54'05"E - 419.63'	384-6	S07°33'59"E - 1377.99'	386-7	S04°28'54"W - 1188.06'							
376-6	S30°06'04"W - 1399.88'	379-6	S02°30'22"E - 180.37'	379-14	S02°24'00"E - 779.66'	381-1	S30°10'28"E - 60.92'	382-6	S14°03'38"E - 59.56'	384-7	S01°33'54"E - 59.85'	386-8	S08°01'14"E - 419.58'							
378	S41°37'23"W - 662.56'	379-7	S10°11'14"W - 179.50'	379-15	S08°17'32"E - 60.04'	381-2	S34°35'12"E - 605.42'	382-7	S07°33'46"E - 892.47'	385-1	S07°58'09"W - 60.14'	386-9	S04°27'54"W - 1366.83'							
P1379	S282.95' 114.63' 212.32' S02°26'58"E - 614.53'	379-8	S02°22'39"E - 360.18'	380-1	S20°50'09"E - 419.76'	381-3	S29°40'10"E - 60.05'	384-1	S04°58'36"W - 419.47'	385-2	S13°34'35"W - 1130.37'	386-5	S17°00'06"W - 419.46'							

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE



RECORDED - FILED
REC. DIST.
DATE
TIME
Requested by
Address

RECORDED - FILED
REC. DIST.
DATE
TIME
Requested by
Address

RECORDED - FILED
REC. DIST.
DATE
TIME
Requested by
Address

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

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

RECORDED - FILED
REC. DIST.
DATE
TIME
Requested by
Address

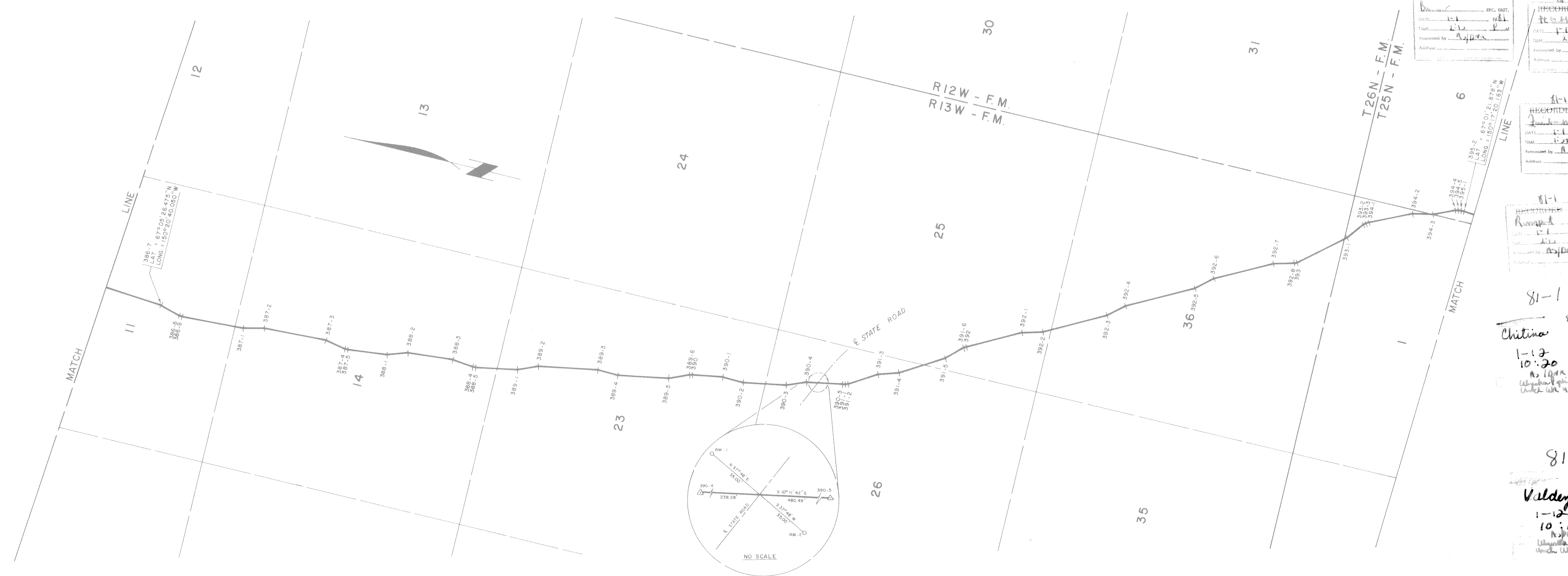
AL-00-G101 SHEET 45 OF 143				ER-	
ALYESKA PIPELINE SERVICE CO., AGENT				APPROVAL RECOMMENDED	
TRANS ALASKA PIPELINE SYSTEM				Name <i>[Signature]</i>	
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				Title Chief, Division of Cadastral Survey Bureau of Land Management	
APPROVAL RECOMMENDED <i>[Signature]</i>				APPROVED <i>[Signature]</i>	
Name <i>[Signature]</i>				Name <i>[Signature]</i>	
Title <i>[Signature]</i>				Title <i>[Signature]</i>	
APPROVAL <i>[Signature]</i>				FILE NO. 102-4	

Date of Survey	Name of Surveyor		OCEAN TECHNOLOGY LTD. DBA EM. LINDSEY & ASSOC.	
Beginning Feb. 1977	Ending Oct. 1980	RICHARD C. DAVIS	Lic. No. 1637-S	
Drawn by R.H.M.	Approved R.C.D.	Scale 1" = 1000'		
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.27N., R.13W., & T.26N., R.13W., F.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended <i>[Signature]</i>		Approval Recommended <i>[Signature]</i> 11/12/80		
Name <i>[Signature]</i>		Name <i>[Signature]</i>		
Title Chief, Division of Cadastral Survey Bureau of Land Management		Title Chief Cadastral Surveyor		
Approved <i>[Signature]</i>		Approved <i>[Signature]</i>		
Name <i>[Signature]</i>		Name <i>[Signature]</i>		
Title <i>[Signature]</i>		Title <i>[Signature]</i>		
File No.		File No. 102-4		

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
386-6	S04°27'27"W - 1438.14'	387-5	S05°35'50"E - 791.64'	389-3	S02°08'46"W - 419.69'	390-4	S10°11'42"E - 718.76'	392	S27°52'19"E - 1142.15'	392-8	S27°59'46"E - 58.20'	394-4	S19°45'53"E - 58.55'						
386-7	S18°57'20"W - 419.80'	388-1	S18°05'57"E - 420.00'	389-4	S10°24'19"E - 1017.68'	390-5	S15°04'41"E - 59.90'	392-1	S15°21'10"E - 418.89'	393	S39°33'03"E - 1112.78'	394-5	S11°01'01"E - 58.87'						
386-8	S04°54'14"W - 60.22'	388-2	S05°35'33"E - 908.52'	389-5	S22°51'57"E - 420.43'	391-1	S25°07'40"E - 59.68'	392-2	S27°52'43"E - 1319.01'	393-1	S52°02'26"E - 420.25'	395-1	S00°42'38"E - 59.30'						
386-9	S02°25'07"E - 1250.73'	388-3	S06°54'59"W - 418.99'	389-6	S10°32'15"E - 59.70'	391-2	S30°45'41"E - 612.02'	392-3	S40°20'32"E - 419.61'	393-2	S40°01'43"E - 60.16'	395-2	S03°50'40"W - 498.36'						
387-1	S14°50'11"E - 419.59'	388-4	S05°32'10"E - 59.79'	390	S10°16'40"E - 608.95'	391-3	S18°09'14"E - 419.84'	392-4	S27°52'56"E - 1437.63'	393-3	S32°07'03"E - 60.01'	395-3							
387-2	S02°23'05"E - 1250.31'	388-5	S10°22'04"E - 837.19'	390-1	S02°25'09"W - 420.00'	391-4	S30°41'09"E - 970.67'	392-5	S40°22'45"E - 419.93'	394-1	S24°30'55"E - 876.36'								
387-3	S10°08'29"W - 419.11'	389-1	S22°54'33"E - 417.20'	390-2	S10°12'03"E - 849.31'	391-5	S43°13'37"E - 419.32'	392-6	S27°51'01"E - 1223.97'	394-2	S12°02'28"E - 418.58'								
387-4	S02°21'05"E - 60.01'	389-2	S10°24'39"E - 1193.61'	390-3	S22°42'39"E - 419.78'	391-6	S30°32'49"E - 60.13'	392-7	S15°20'13"E - 418.19'	394-3	S24°32'43"E - 452.34'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 11-15-80
 TIME: 10:11 P.M.
 RECORDED BY: R. J. DAVIS

RECORDED - FILED
 DATE: 11-15-80
 TIME: 10:11 P.M.
 RECORDED BY: R. J. DAVIS

RECORDED - FILED
 DATE: 11-15-80
 TIME: 10:11 P.M.
 RECORDED BY: R. J. DAVIS

81-1
 Chitina
 1-12 81
 10:20 A
 R. J. DAVIS
 11/15/80

81-1
 Valdez
 1-12 81
 10:10 A
 R. J. DAVIS
 11/15/80

Date of Survey	Feb., 1977	Ending	Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. ORA 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. 26 N., R. 13 W., & T. 25 N., R. 13 & 12 W., F.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			Approval Recommended Name: [Signature] Title: Chief Cadastral Surveyor		
Approved Name: [Signature] Title: Acting Authorized Officer			Approved Name: [Signature] Title: Authorized Officer		
File No.			File No. 102-5		

AL-00-GIOI SHEET 46 OF 143 ER-

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

Approval Recommended
 Name: [Signature]
 Title: [Signature]

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
395-2	S03°50'40"W - 498.36'	396-3	S31°24'39"E - 420.01'	398	S08°03'09"W - 900.82'	399-7	S21°37'18"W - 1140.80'	400-7	S57°04'16"W - 419.58'	401-2	S49°46'12"W - 1143.90'	402-5	S49°25'14"W - 60.17'						
395-3	S08°43'18"E - 419.91'	396-4	S18°55'08"E - 545.23'	398-1	S14°32'50"W - 54.10'	399-8	S27°41'11"W - 60.23'	400-8	S44°33'59"W - 1444.58'	401-3	S62°14'20"W - 419.86'	403-1	S43°32'52"W - 459.88'						
395-4	S03°45'43"W - 1081.21'	396-5	S13°26'52"E - 53.63'	399-1	S21°24'12"W - 65.22'	400-1	S38°52'55"W - 59.99'	400-9	S57°03'56"W - 419.92'	401-4	S49°45'58"W - 1067.62'	403-2	S31°03'30"W - 419.62'						
395-5	S16°18'04"W - 419.89'	396-6	S02°25'38"E - 53.77'	399-2	S34°11'35"W - 419.22'	400-2	S44°35'11"W - 960.01'	400-10	S44°33'01"W - 1445.33'	401-5	S57°18'17"W - 58.32'	403-3	S43°35'25"W - 706.87'						
395-6	S03°46'04"W - 541.09'	397-1	S08°13'20"W - 53.34'	399-3	S21°38'56"W - 955.27'	400-3	S32°02'45"W - 419.47'	400-11	S32°04'30"W - 419.81'	402-1	S65°08'32"W - 58.76'	403-4	S31°04'02"W - 419.53'						
395-7	S01°33'56"E - 60.03'	397-2	S13°38'24"W - 735.75'	399-4	S09°12'11"W - 420.15'	400-4	S44°35'43"W - 1142.17'	400-12	S44°28'57"W - 59.98'	402-2	S77°27'50"W - 419.72'	403-5	S43°34'59"W - 898.16'						
396-1	S13°36'03"E - 60.15'	397-3	S26°06'37"W - 419.49'	399-5	S21°37'59"W - 1013.41'	400-5	S31°59'20"W - 419.79'	401	S49°46'24"W - 1263.80'	402-3	S64°59'45"W - 944.44'	403-6							
396-2	S18°55'33"E - 476.54'	397-4	S13°56'33"W - 59.94'	399-6	S34°11'50"W - 419.47'	400-6	S44°34'02"W - 1381.97'	401-1	S37°15'21"W - 419.62'	402-4	S59°16'59"W - 59.30'								

P1 - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 3:15 P.M.
Requested by: A. J. Davis
Address: _____

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 3:15 P.M.
Requested by: A. J. Davis
Address: _____

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 3:15 P.M.
Requested by: A. J. Davis
Address: _____

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 3:15 P.M.
Requested by: A. J. Davis
Address: _____

81-1
Chitina 801.15
1-12-80
10:20 A
A. J. Davis
Alaska Pipeline Service
March 24, 1980

81-1
Valdez 801.15
1-12-80
10:10 A
A. J. Davis
Alaska Pipeline Service
March 24, 1980

Date of Survey	Beginning Feb., 1977	Ending Oct., 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY B 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.25N., R.12 W., & T.25N., R.13W., F.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended			Approval Recommended		
Name: _____			Name: _____		
Title: Chief, Division of Cadastral Survey Bureau of Land Management			Title: Chief Cadastral Surveyor		
Approved			Approved		
Name: _____			Name: _____		
Title: Authorized Officer			Title: Authorized Officer		
NOV. 5 1980					
File No.			File No. 102-5		

AL-00-GIOI SHEET 47 OF 143 ER-

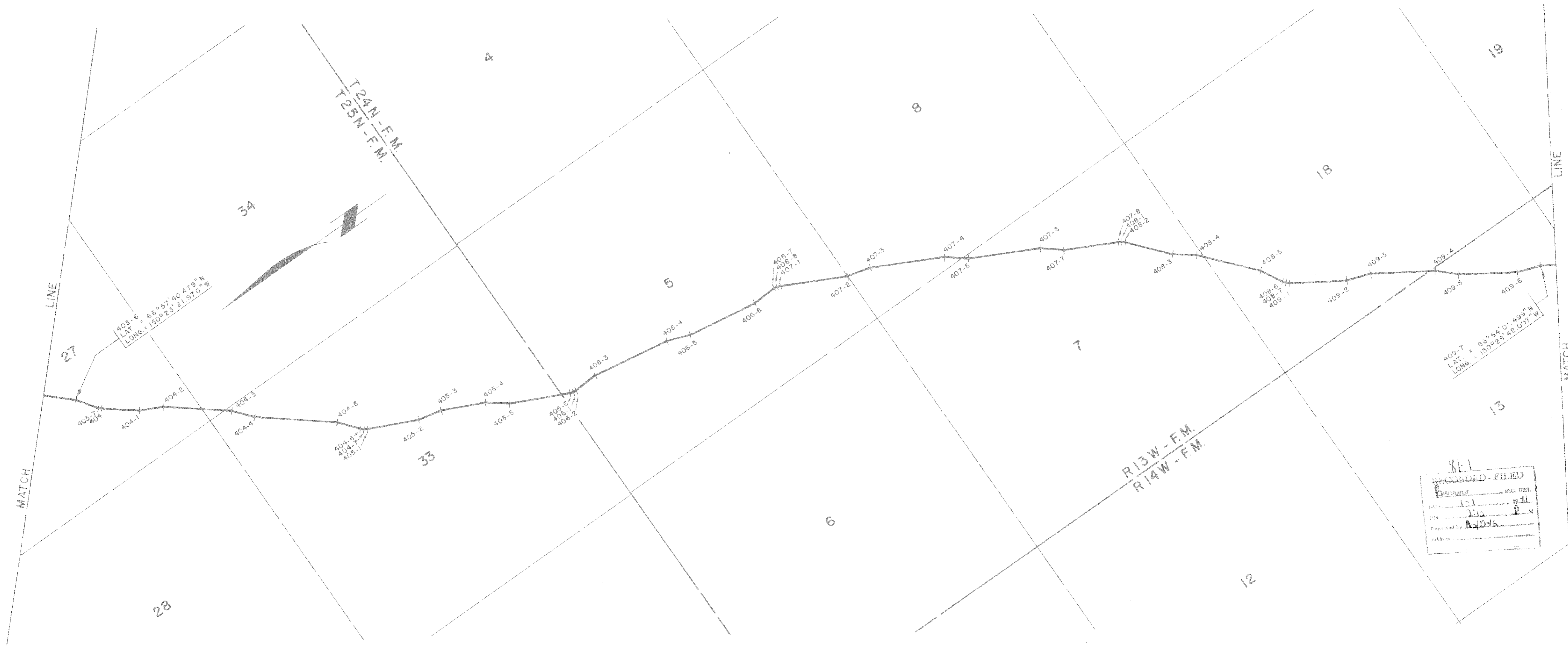
ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended M. J. Smith			
Approval J. C. Hinkle			

No.	DATE	REVISION	BY	CHKD	APP

POINT I.D.	BEARING & DISTANCE OR			POINT I.D.	BEARING & DISTANCE OR			POINT I.D.	BEARING & DISTANCE OR			POINT I.D.	BEARING & DISTANCE OR			POINT I.D.	BEARING & DISTANCE OR		
	RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD
403-5	S 43° 34' 59" W	- 898.16'		404-5	S 50° 52' 41" W	- 419.40'		405-5	S 16° 50' 57" W	- 60.14'		406-5	S 17° 51' 15" W	- 60.14'		407-5	S 32° 09' 51" W	- 60.28'	
403-6	S 56° 05' 08" W	- 419.83'		404-6	S 38° 55' 45" W	- 60.40'		405-6	S 09° 10' 27" W	- 60.44'		406-6	S 26° 44' 12" W	- 1185.17'		407-6	S 43° 44' 55" W	- 61.28'	
403-7	S 43° 32' 44" W	- 59.66'		404-7	S 30° 44' 23" W	- 60.10'		405-7	S 03° 19' 43" E	- 419.74'		406-7	S 14° 13' 38" W	- 419.84'		407-7	S 49° 04' 57" W	- 848.31'	
404	S 38° 20' 30" W	- 654.52'		405-1	S 25° 19' 16" W	- 906.21'		406-1	S 09° 10' 58" W	- 1387.22'		407-1	S 26° 43' 26" W	- 1304.66'		408-1	S 36° 38' 18" W	- 420.63'	
404-1	S 25° 54' 12" W	- 419.96'		405-2	S 12° 04' 30" W	- 420.22'		406-2	S 21° 39' 24" W	- 419.64'		407-2	S 39° 06' 57" W	- 420.08'		408-2	S 49° 03' 43" W	- 1147.61'	
404-2	S 38° 21' 37" W	- 1195.12'		405-3	S 25° 04' 17" W	- 786.57'		406-3	S 09° 11' 15" W	- 1267.01'		407-3	S 26° 44' 57" W	- 1259.25'		408-3	S 61° 33' 44" W	- 420.36'	
404-3	S 50° 53' 54" W	- 419.22'		405-4	S 37° 32' 30" W	- 420.35'		406-4	S 03° 21' 12" E	- 419.87'		407-4	S 39° 14' 23" W	- 420.18'		408-4	S 49° 07' 48" W	- 59.94'	
404-4	S 38° 22' 07" W	- 1443.44'		405-5	S 25° 05' 03" W	- 1080.22'		406-5	S 08° 52' 09" W	- 59.65'		407-5	S 26° 42' 36" W	- 959.21'		408-5	S 41° 14' 50" W	- 59.84'	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE 1-11-81
TIME 10:15 A.M.
Requested by R.H.M.
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 10:15 A.M.
Requested by R.H.M.
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 10:15 A.M.
Requested by R.H.M.
Address

81-1
Chitina
1-12-81
10:20 A.M.
Requested by R.H.M.
Address

81-1
RECORDED - FILED
DATE 1-11-81
TIME 10:15 A.M.
Requested by R.H.M.
Address

81-1
Valdey
1-12-81
10:10 A.M.
Requested by R.H.M.
Address

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

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.25N., R.13W., & T.24N., R.13 & 14 W., F.M., ALASKA

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

AL-00-G101 SHEET 48 OF 143 ER-

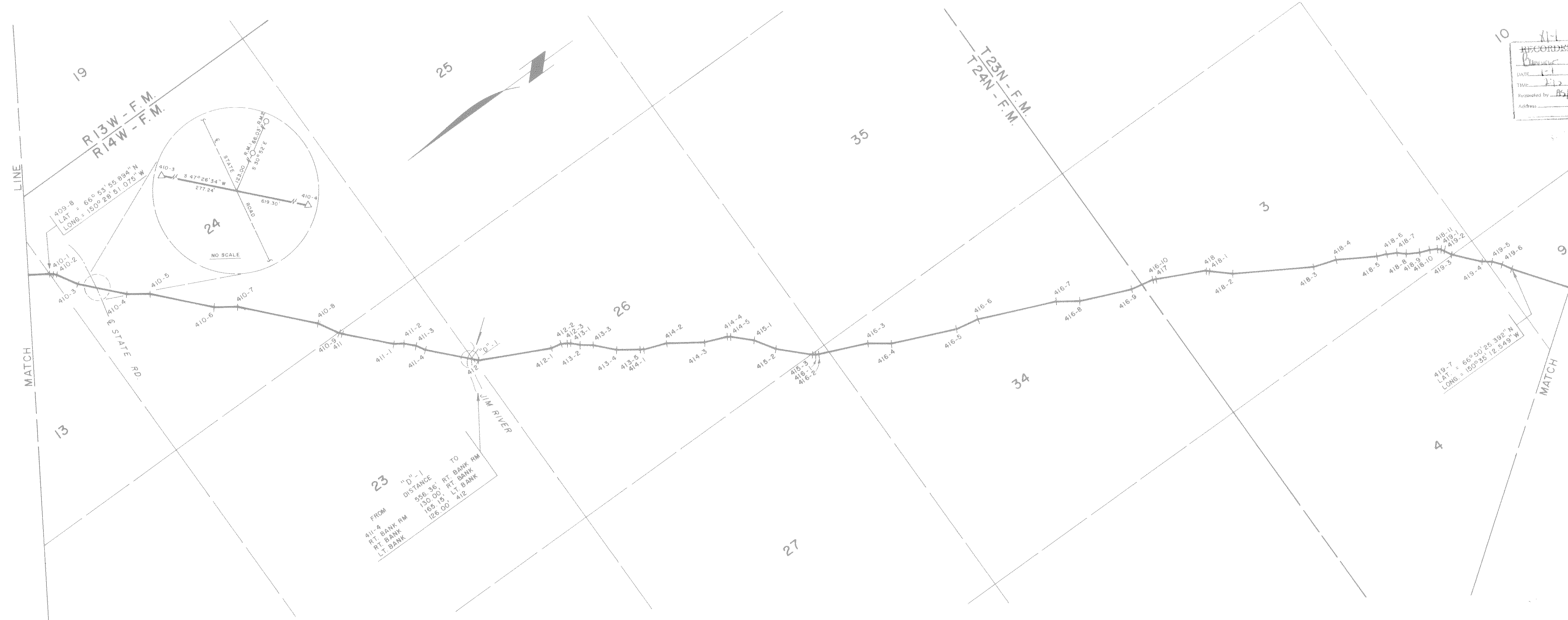
ALYESKA PIPELINE SERVICE CO., AGENT	Approval Recommended
TRANS ALASKA PIPELINE SYSTEM	Name: [Signature]
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	Title: Chief, Division of Cadastral Survey, Bureau of Land Management
Approval Recommended: [Signature]	Name: [Signature]
Approval: [Signature]	Title: Acting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

Approval Recommended	Approval Recommended
Name: [Signature]	Name: [Signature] 11/12/80
Title: Chief, Division of Cadastral Survey, Bureau of Land Management	Title: Chief Cadastral Surveyor
Approval	Approval
Name: [Signature]	Name: [Signature]
Title: Acting Authorized Officer	Title: Authorized Officer
File No.	File No. 102-5

POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT L. CHORD		
409-7	S 32° 26' 07" W - 674.92'	410-7	S 47° 26' 01" W - 1482.57'	412	S 25° 58' 29" W - 1327.24'	413-5	S 34° 04' 59" W - 64.15'	415-3	S 38° 56' 21" W - 59.25'	416-8	S 22° 09' 59" W - 963.24'	418-4	S 30° 50' 21" W - 744.09'	419-1	S 49° 08' 04" W - 60.56'								
409-8	S 39° 33' 37" W - 62.09'	410-8	S 59° 45' 28" W - 419.52'	412-1	S 13° 46' 12" W - 180.36'	414-1	S 21° 32' 32" W - 420.09'	416-1	S 28° 55' 27" W - 59.42'	416-9	S 10° 27' 45" W - 418.58'	418-5	S 18° 20' 06" W - 180.36'	419-2	S 61° 30' 51" W - 179.95'								
410-1	S 48° 24' 28" W - 62.12'	410-9	S 48° 27' 25" W - 63.55'	412-2	S 25° 57' 48" W - 114.88'	414-2	S 34° 02' 17" W - 689.89'	416-2	S 22° 59' 06" W - 900.78'	416-10	S 23° 01' 57" W - 61.30'	418-6	S 30° 50' 48" W - 182.27'	419-3	S 49° 03' 43" W - 560.86'								
410-2	S 59° 54' 43" W - 419.93'	411	S 46° 44' 20" W - 930.51'	412-3	S 34° 33' 50" W - 59.70'	414-3	S 21° 31' 31" W - 419.99'	416-3	S 35° 30' 11" W - 420.02'	417	S 26° 37' 14" W - 908.88'	418-7	S 43° 20' 25" W - 180.19'	419-4	S 36° 30' 46" W - 180.13'								
410-3	S 47° 26' 34" W - 896.54'	411-1	S 34° 11' 53" W - 179.80'	413-1	S 47° 06' 44" W - 180.49'	414-4	S 34° 01' 24" W - 59.90'	416-4	S 23° 00' 42" W - 1201.94'	418	S 30° 40' 26" W - 59.92'	418-8	S 30° 52' 25" W - 239.64'	419-5	S 48° 59' 41" W - 190.41'								
410-4	S 34° 56' 01" W - 420.11'	411-2	S 46° 43' 29" W - 230.29'	413-2	S 34° 40' 46" W - 237.17'	414-5	S 44° 32' 58" W - 424.54'	416-5	S 10° 30' 09" W - 420.10'	418-1	S 43° 21' 23" W - 419.99'	418-9	S 18° 19' 14" W - 180.03'	419-6	S 61° 31' 18" W - 179.86'								
410-5	S 47° 25' 12" W - 1173.57'	411-3	S 59° 31' 43" W - 169.79'	413-3	S 47° 09' 30" W - 420.25'	415-1	S 57° 01' 36" W - 420.11'	416-6	S 23° 00' 15" W - 1440.92'	418-2	S 30° 50' 57" W - 1463.06'	418-10	S 30° 42' 12" W - 119.24'	419-7	S 48° 54' 10" W - 1432.38'								
410-6	S 34° 55' 13" W - 419.48'	411-4	S 46° 47' 04" W - 977.51'	413-4	S 34° 38' 38" W - 433.97'	415-2	S 44° 34' 04" W - 666.27'	416-7	S 35° 30' 42" W - 420.06'	418-3	S 18° 20' 31" W - 419.99'	418-11	S 39° 56' 59" W - 59.71'	420									

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



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

RECORDED - FILED
 DATE: 1-1-81
 TIME: 1:21 P.M.
 Requested by: R. H. M.
 Address: [blank]

RECORDED - FILED
 DATE: 1-1-81
 TIME: 1:21 P.M.
 Requested by: R. H. M.
 Address: [blank]

81-1
 801.15
 Chitima
 1-12-81
 10:20 A
 Requested by: R. H. M.
 Address: [blank]

81-1
 801.15
 Valdey
 1-12-81
 10:10 A
 Requested by: R. H. M.
 Address: [blank]

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

Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 24N., R. 14W., & T. 23N., R. 14W., F.M., ALASKA

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

Approval Recommended: [Signature] Name: [Signature] Title: Chief Cadastral Surveyor
 Approved: [Signature] Name: [Signature] Title: Authorized Officer

File No. _____ File No. 102-5

AL-00-G101 SHEET 49 OF 143 ER-

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

POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE	POINT I.D.	BEARING & DISTANCE		
	RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		RADIUS TANGENT L. CHORD		
419-7	S 48°54'10"W - 1432.38'	420-9	S 47°10'47"W - 180.19'	421-2	S 69°01'48"W - 110.06'	422-2	S 39°33'41"W - 823.83'	422-12	S 24°22'19"W - 60.36'	423-10	S 11°40'14"W - 179.82'	425-2	S 30°22'23"W - 461.81'	426-4	S 23°42'55"E - 421.19'	427-2	S 12°10'24"W - 394.35'	428-1	S 16°37'06"W - 180.00'
420	S 59°53'09"W - 1037.14'	420-10	S 59°42'22"W - 179.58'	421-3	S 56°26'46"W - 180.07'	422-3	S 27°03'58"W - 419.28'	423-1	S 14°27'45"W - 59.85'	423-11	S 00°39'38"E - 423.69'	425-3	S 17°53'06"W - 420.13'	426-5	S 11°94'50"E - 1067.85'	427-3	S 00°17'46"E - 179.80'	428-2	S 04°06'47"W - 175.96'
420-1	S 47°12'00"W - 180.21'	420-11	S 71°43'21"W - 179.80'	421-4	S 68°58'48"W - 400.52'	422-4	S 39°38'18"W - 524.60'	423-2	S 04°42'29"W - 59.89'	423-12	S 04°03'22"W - 80.25'	425-4	S 30°21'58"W - 357.34'	426-6	S 01°14'59"W - 419.42'	427-4	S 12°09'48"W - 174.54'	428-3	S 08°18'38"E - 179.90'
420-2	S 59°44'04"W - 178.68'	420-12	S 60°22'22"W - 120.11'	421-5	S 56°28'35"W - 420.37'	422-5	S 52°05'40"W - 418.61'	423-3	S 00°42'02"E - 408.71'	423-13	S 12°31'50"W - 60.31'	425-5	S 42°51'21"W - 419.68'	426-7	S 11°14'13"E - 893.81'	427-5	S 24°42'02"W - 179.13'	428-4	S 04°08'16"W - 358.05'
420-3	S 72°07'13"W - 180.07'	420-13	S 47°14'21"W - 179.74'	421-6	S 68°58'33"W - 657.26'	422-6	S 39°35'21"W - 537.70'	423-4	S 13°05'57"E - 179.98'	424-1	S 21°27'46"W - 60.12'	425-6	S 30°22'26"W - 716.23'	426-8	S 23°47'21"E - 179.42'	427-6	S 12°10'34"W - 815.72'	429	S 06°00'20"E - 59.79'
420-4	S 59°41'48"W - 425.56'	420-14	S 59°41'01"W - 180.00'	421-7	S 81°28'06"W - 419.98'	422-7	S 27°06'32"W - 419.41'	423-5	S 00°35'32"E - 169.04'	424-2	S 25°59'00"W - 655.78'	425-7	S 25°07'24"W - 60.32'	426-9	S 11°15'15"E - 178.64'	427-7	S 00°17'30"E - 179.86'	429-1	S 18°29'15"E - 420.11'
420-5	S 47°12'46"W - 180.30'	420-15	S 72°06'14"W - 180.78'	421-8	S 68°57'05"W - 900.19'	422-8	S 39°34'01"W - 477.30'	423-6	S 11°55'51"W - 179.50'	424-3	S 13°25'05"W - 419.43'	425-8	S 16°20'21"W - 54.64'	426-10	S 01°18'55"W - 179.38'	427-8	S 12°07'14"W - 179.85'	429-2	S 06°00'30"E - 484.03'
420-6	S 59°41'29"W - 181.61'	420-16	S 59°40'30"W - 119.07'	421-9	S 64°07'58"W - 59.98'	422-9	S 52°03'15"W - 420.18'	423-7	S 00°34'44"E - 1610.08'	424-4	S 25°50'57"W - 59.97'	425-9	S 04°05'27"W - 65.72'	426-11	S 11°16'36"E - 237.96'	427-9	S 24°39'47"W - 180.16'	429-3	S 06°29'40"W - 419.90'
420-7	S 72°11'29"W - 180.14'	421	S 68°57'50"W - 59.66'	421-10	S 54°20'00"W - 60.04'	422-10	S 39°38'50"W - 719.38'	423-8	S 13°17'21"E - 180.28'	424-5	S 30°24'28"W - 402.41'	425-10	S 06°09'02"E - 59.90'	426-12	S 05°17'34"E - 60.37'	427-10	S 12°15'50"W - 59.70'	429-4	S 06°00'17"E - 423.08'
420-8	S 59°41'10"W - 299.69'	421-1	S 81°26'43"W - 180.21'	422-1	S 44°58'48"W - 60.43'	422-11	S 34°21'19"W - 59.86'	423-9	S 00°21'53"E - 187.87'	424-6	S 42°51'46"W - 420.06'	425-11	S 11°15'21"E - 772.86'	426-13	S 06°22'44"W - 59.61'	427-11	S 04°07'44"W - 236.74'	429-5	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE.

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-1-81
 BY: [Signature]
 APPROVED BY: [Signature]

RECORDED - FILED
 DATE: 1-1-81
 BY: [Signature]
 APPROVED BY: [Signature]

RECORDED - FILED
 DATE: 1-1-81
 BY: [Signature]
 APPROVED BY: [Signature]

81-1
 Valley
 1-12-81
 10:10 A
 [Signature]

81-1
 Chitina
 1-12-81
 10:20 A
 [Signature]

AL-00-G101 SHEET 50 OF 143

ER-

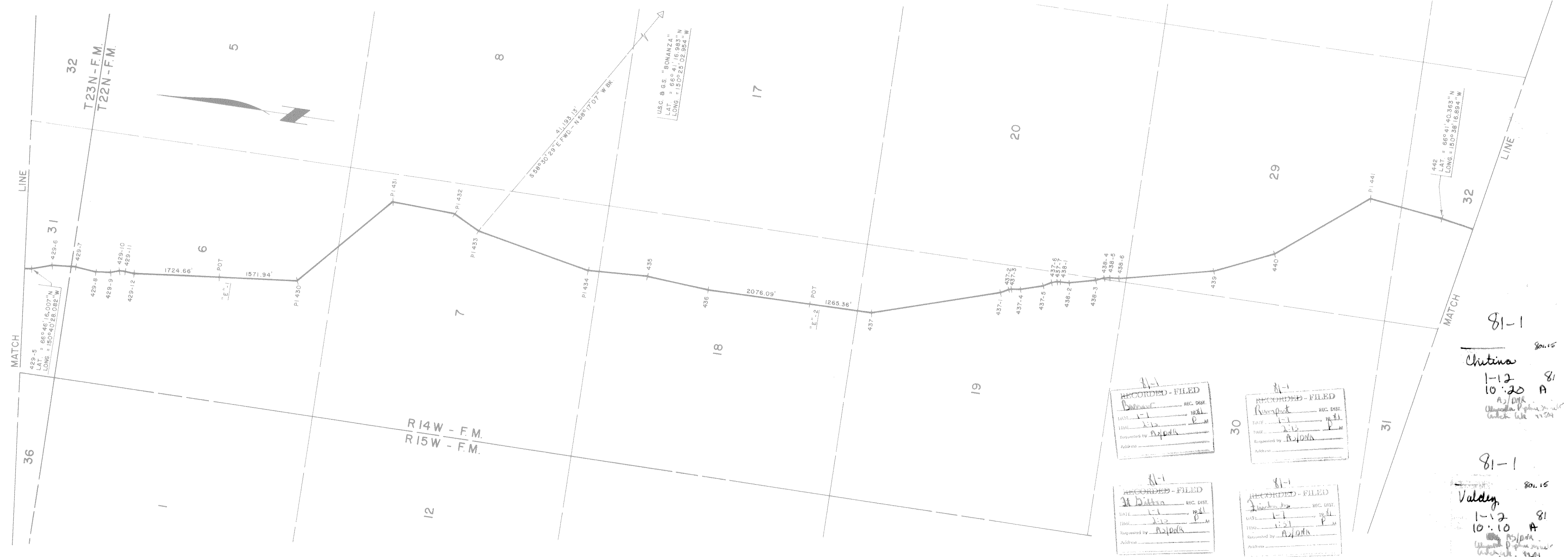
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended: [Signature]
Approval: [Signature]

Date of Survey: Beginning Feb, 1977 Ending Oct, 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 1637-S
Drawn by: R.H.M.	Approved: R.C.D. Scale: 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.23N., R.14W., F.M., ALASKA	
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended: [Signature]	Approval Recommended: [Signature] 1/12/81
Name: [Signature]	Name: [Signature]
Title: Chief, Division of Cadastral Survey Bureau of Land Management	Title: Chief Cadastral Surveyor
Approval: [Signature]	Approval: [Signature]
Name: [Signature]	Name: [Signature]
Title: Acting Authorized Officer	Title: Authorized Officer
File No.:	File No. 102-5

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
429-4	S06°00'17"E - 423.08'	429-12	S05°57'50"E - 3296.60'	437	S17°31'18"E - 2633.46'	438-1	S00°38'11"E - 180.06'	PI 441	223.69' 94.13' 173.55'								
429-5	S18°30'52"E - 419.53'	PI 430	S47°00' 134.07' 250.12'	437-1	S30°03'25"E - 180.36'	438-2	S13°07'26"E - 539.36'	442	S10°06'57"W - 1468.25'								
429-6	S06°00'39"E - 478.27'	PI 431	S02°13'30"W - 1269.33'	437-2	S17°28'52"E - 55.63'	438-3	S25°36'00"E - 180.13'	443									
429-7	S06°32'35"W - 417.93'	PI 432	S26°50'36"W - 594.17'	437-3	S05°05'25"E - 180.12'	438-4	S13°06'53"E - 119.58'										
429-8	S05°59'31"E - 297.86'	PI 433	S11°20'29"W - 2357.65'	437-4	S17°30'56"E - 468.52'	438-5	S00°40'23"E - 179.86'										
429-9	S18°33'41"E - 178.90'	PI 434	S03°14'03"E - 1200.74'	437-5	S29°59'44"E - 180.17'	438-6	S13°07'05"E - 1918.92'										
429-10	S05°59'07"E - 118.68'	435	S04°08'12"W - 1258.65'	437-6	S17°27'58"E - 118.04'	439	S24°01'27"E - 1275.87'										
429-11	S06°31'52"W - 178.79'	436	S00°33'42"E - 3341.45'	437-7	S13°18'23"E - 53.93'	440	S38°47'01"E - 2246.05'										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
 DATE: 1-11-81
 TIME: 1:12 P.M.
 Requested by: A. J. D. K. A.
 Address: Valdez, Alaska

RECORDED - FILED
 DATE: 1-11-81
 TIME: 1:12 P.M.
 Requested by: A. J. D. K. A.
 Address: Valdez, Alaska

RECORDED - FILED
 DATE: 1-11-81
 TIME: 1:12 P.M.
 Requested by: A. J. D. K. A.
 Address: Valdez, Alaska

RECORDED - FILED
 DATE: 1-11-81
 TIME: 1:12 P.M.
 Requested by: A. J. D. K. A.
 Address: Valdez, Alaska

81-1
 80.15
 Christina
 1-12 81
 10:20 A
 A. J. D. K. A.
 Valdez, Alaska
 11/24/81

81-1
 80.15
 Valdez
 1-12 81
 10:10 A
 A. J. D. K. A.
 Valdez, Alaska
 11/24/81

AL-00-G101 SHEET 51 OF 143

ER-

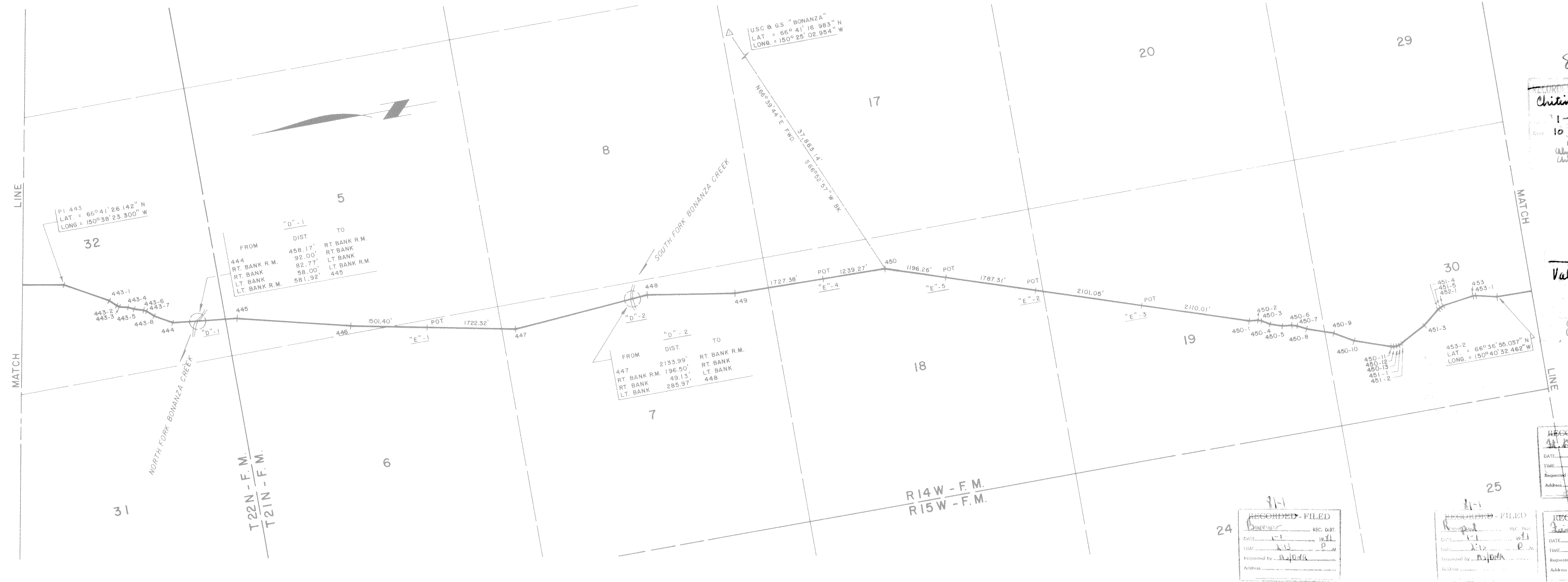
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended: <i>M. J. Smith</i>
Approval: <i>J. C. Harkle</i>

Date of Survey: Beginning Feb., 1977 Ending Oct., 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 1637-S
Drawn by: R.H.M. Approved: R.C.D. Scale: 1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 23N., R. 14W., & T. 22N., R. 14W., F.M., ALASKA	
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended: <i>[Signature]</i>	Approval Recommended: <i>[Signature]</i> 11/12/81
Name: <i>[Signature]</i>	Name: <i>[Signature]</i>
Title: Chief, Division of Cadastral Survey Bureau of Land Management	Title: Chief Cadastral Surveyor
Approved: <i>[Signature]</i>	Approved: <i>[Signature]</i>
Name: <i>[Signature]</i>	Name: <i>[Signature]</i>
Title: Authorizing Officer	Title: Authorized Officer
File No.:	File No. 102-5

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
442	S10°06'57"W - 1468.23'	443-7	S42°02'42"W - 179.61'	450	S18°20'00"W - 7194.63'	450-8	S18°02'49"W - 540.14'	451-3	S39°24'22"E - 420.00'										
PI 443	418.36' 73.11' 140.20'	443-8	S29°24'22"W - 939.77'	450-1	S05°49'49"W - 180.07'	450-9	S31°09'18"W - 420.08'	451-4	S26°52'05"E - 58.05'										
443-1	S41°57'34"W - 179.07'	444	S08°19'05"W - 1272.86'	450-2	S18°18'17"W - 62.79'	450-10	S18°19'51"W - 742.69'	451-5	S17°31'06"E - 58.25'										
443-2	S29°29'55"W - 54.64'	445	S14°05'40"W - 2222.60'	450-3	S30°46'40"W - 180.03'	450-11	S12°31'29"W - 55.57'	452-1	S08°10'20"E - 613.76'										
443-3	S17°00'32"W - 178.67'	446	S11°15'21"W - 3223.72'	450-4	S18°19'09"W - 242.88'	450-12	S01°06'01"W - 55.51'	453	S00°39'10"W - 50.45'										
443-4	S29°07'04"W - 111.03'	447	S04°10'37"E - 2665.59'	450-5	S05°49'47"W - 180.14'	450-13	S10°01'14"E - 54.82'	453-1	S12°58'21"W - 419.93'										
443-5	S16°49'22"W - 179.57'	448	S09°01'25"W - 1716.54'	450-6	S18°21'36"W - 119.87'	451-1	S20°49'38"E - 55.46'	453-2	S00°27'12"W - 1020.15'										
443-6	S29°15'59"W - 56.81'	449	S00°59'11"W - 2966.65'	450-7	S30°48'25"W - 179.80'	451-2	S26°55'09"E - 586.63'	453-3											

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/DRS
Valdez High School
Chitina, AK 99571

81-1
Valdez
1-12 81
10-10 A
R/D/DRS
Valdez High School
Univ. Ak. 99571

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 P.M.
Requested by: R/D/DRS
Address:

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 P.M.
Requested by: R/D/DRS
Address:

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 P.M.
Requested by: R/D/DRS
Address:

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:10 P.M.
Requested by: R/D/DRS
Address:

Date of Survey	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	
Beginning Feb., 1977	Ending Oct., 1980	RICHARD C. DAVIS Lic. No. 1637-5
Drawn by R.H.M.	Approved R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.22N, R.14W, & T.21N, R.14W, F.M., ALASKA		
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended	Name: <i>[Signature]</i>	Approval Recommended
Name: <i>[Signature]</i>	Title: Chief, Division of Cadastral Survey Bureau of Land Management	Name: <i>[Signature]</i> 11/12/80
Title: Chief, Division of Cadastral Survey Bureau of Land Management		Title: Chief Cadastral Surveyor
Approved	Name: <i>[Signature]</i>	Approved
Name: <i>[Signature]</i>	Title: Acting Authorized Officer	Name: <i>[Signature]</i>
Title: Acting Authorized Officer	NOV. 1 1980	Title: Authorized Officer
File No.		File No. 102-5

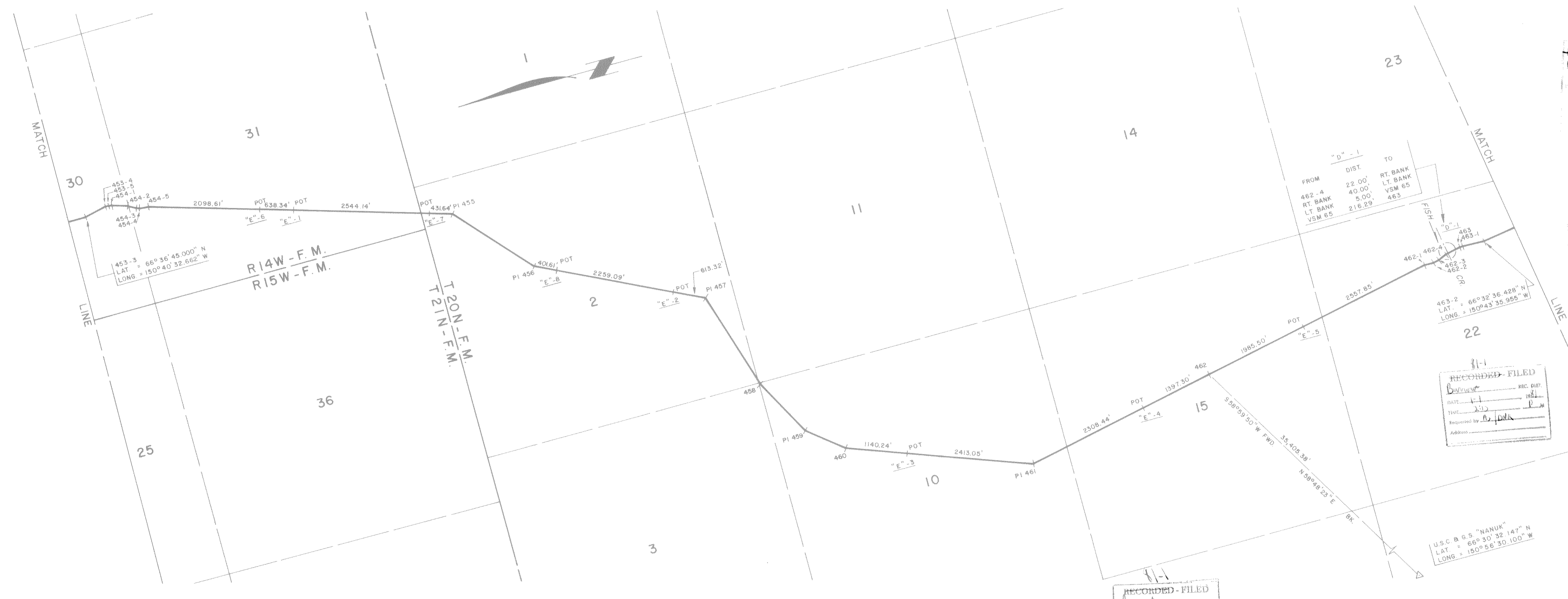
AL-00-G101 SHEET 52 OF 143 ER-

ALYESKA PIPELINE SERVICE CO., AGENT			
TRANS ALASKA PIPELINE SYSTEM			
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE			
Approval Recommended	Name: <i>[Signature]</i>		
Title: <i>[Signature]</i>			
Approval	Name: <i>[Signature]</i>		
Title: <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
453-2	S00°27'12"W - 1020.15'	454-5	S16°47'27"W - 5712.73'	462	S11°34'59"E - 4543.35'	463-3											
453-3	S12°01'50"E - 419.87'	PI 455	212.18' 58.81' 113.34'	462-1	S00°54'15"W - 180.15'												
453-4	S00°19'38"W - 59.90'	PI 456	375.05' 72.80' 142.92'	462-2	S11°34'26"E - 108.68'												
453-5	S08°37'13"W - 60.16'	PI 457	525°47'16"W - 3274.02'	462-3	S24°04'24"E - 180.18'												
454-1	S16°47'20"W - 291.78'	458	S61°07'24"W - 1215.97'	462-4	S11°34'42"E - 285.29'												
454-2	S29°34'20"W - 176.93'	PI 459	358.87' 71.23' 139.72'	463	S09°07'45"E - 60.01'												
454-3	S16°40'51"W - 53.60'	460	S20°11'06"W - 3553.29'	463-1	S03°26'58"W - 418.42'												
454-4	S04°04'18"W - 176.65'	PI 461	189.59' 53.85' 103.60'	463-2	S09°05'16"E - 1083.61'												

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
Chitina 801.15'
1-12 81
10:20 A
Rajinder
Alaska Pipeline Service Co.
Anchorage, Alaska 99501

81-1
Valdez 801.15'
1-12 81
10:10 A
Rajinder
Alaska Pipeline Service Co.
Anchorage, Alaska 99501

81-1
RECORDED - FILED
Name: Rajinder
DATE: 1-11-80
TIME: 2:15 P.M.
Requested by: Rajinder
Address:

81-1
RECORDED - FILED
Name: Rajinder
DATE: 1-11-80
TIME: 1:30 P.M.
Requested by: Rajinder
Address:

81-1
RECORDED - FILED
Name: Rajinder
DATE: 1-11-80
TIME: 2:15 P.M.
Requested by: Rajinder
Address:

U.S.C. & G.S. "NANUK"
LAT. = 66°30'32.147" N
LONG. = 150°56'30.100" W

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.21N., R.14W., & T.20N., R.15W., F.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval/Recommended	Name: <i>[Signature]</i>	Approval/Recommended	Name: <i>[Signature]</i> 11/12/80
Title: Chief, Division of Cadastral Survey	Bureau of Land Management	Title: Chief Cadastral Surveyor	
Approved	Name: <i>[Signature]</i>	Approved	Name: <i>[Signature]</i>
Title: Acting Authorized Officer	NOV 1 1980	Title: Authorized Officer	
File No.		File No.	102-5

AL-00-G101 SHEET 53 OF 143 ER-

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

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
465-2	S09°05'16"E - 1083.61'	465	S07°39'10"E - 1121.18'	465-8	S07°38'53"E - 522.99'	469-4	S09°04'19"E - 480.76'	471-3	S22°14'10"E - 180.14'	472-6	S56°25'23"E - 719.82'	473-7	S45°46'43"E - 179.84'						
463-3	S21°47'20"E - 413.79'	465-1	S04°50'20"W - 180.27'	466	S04°17'00"E - 1206.00'	469-5	S21°37'57"E - 179.08'	471-4	S34°41'20"E - 279.90'	472-7	S50°38'44"E - 60.13'	473-8	S33°13'10"E - 59.64'						
463-4	S09°06'10"E - 726.88'	465-2	S07°36'03"E - 118.56'	467	S07°29'10"E - 2048.98'	469-6	S09°04'06"E - 238.30'	471-5	S40°07'29"E - 54.82'	473-1	S38°57'35"E - 59.85'	473-9	S20°38'55"E - 178.20'						
463-5	S21°45'58"E - 177.08'	465-3	S20°13'56"E - 178.90'	469	S09°04'14"E - 4456.19'	469-7	S03°28'32"W - 179.18'	472-1	S51°00'55"E - 54.77'	473-2	S33°15'56"E - 576.87'	473-10	S33°15'14"E - 4483.02'						
463-6	S09°04'03"E - 177.70'	465-4	S07°37'54"E - 117.72'	469-1	S21°35'45"E - 179.90'	469-8	S09°04'14"E - 4456.19'	472-2	S56°25'31"E - 366.83'	473-3	S45°48'58"E - 179.89'	PI 474	S20°08'15"E - 3095.48'						
463-7	S03°35'03"W - 178.10'	465-5	S20°22'12"E - 177.17'	469-2	S47°11'02"E - 180.03'	PI 471	S24°46'53.38" 104.09'	472-3	S43°55'59"E - 420.12'	473-4	S33°14'02"E - 223.97'	475							
463-8	S09°06'26"E - 340.73'	465-6	S07°36'58"E - 116.98'	469-3	S09°03'39"E - 245.60'	471-1	S47°11'02"E - 180.03'	472-4	S56°25'17"E - 499.04'	473-5	S20°39'43"E - 178.57'								
464	S09°58'20"E - 2582.01'	465-7	S05°07'16"W - 175.89'			471-2	S34°39'32"E - 180.65'	472-5	S68°53'10"E - 420.14'	473-6	S33°15'54"E - 298.54'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



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

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

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

81-1
Chitina
1-12-81
10:20 A
A. J. J. [Signature]
1000 W. [Address]
1950

81-1
Valdez
1-12-81
10:10 A
A. J. J. [Signature]
1000 W. [Address]
1950

Date of Survey	Beginning Feb., 1977	Ending Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDSEY & ASSOC.	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.20N., R.15W., & T.19N., R.15W., F.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			
Approved	Name: [Signature]		Title: Acting Authorized Officer			
File No.	102-5					

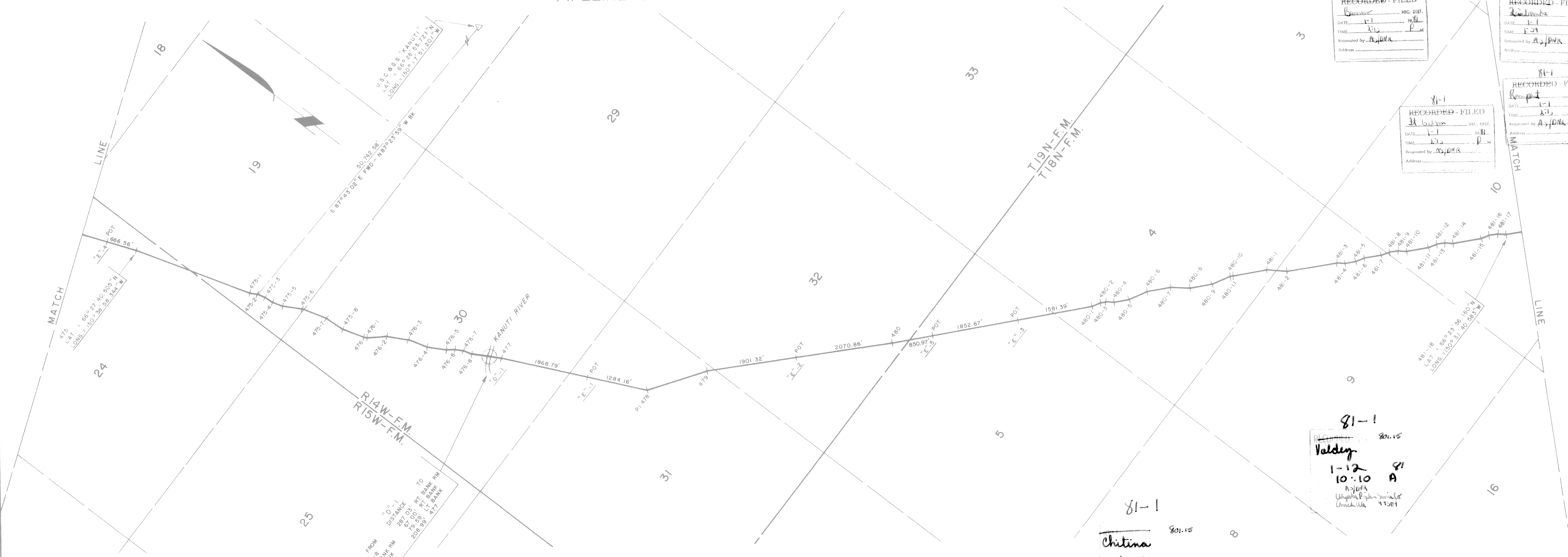
AL-00-GIOI SHEET 54 OF 143 ER-

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 CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	
474	S 20° 58' 15" E - 3095.48'	475-7	S 04° 02' 56" E - 420.03'	476-6	S 28° 37' 36" E - 180.05'	480-2	S 47° 41' 55" E - 128.37'	480-10	S 47° 59' 41" E - 60.20'	481-7	S 59° 19' 06" E - 180.11'	481-15	S 59° 22' 20" E - 179.43'							
475	S 16° 32' 30" E - 2541.32'	475-8	S 16° 32' 32" E - 479.87'	476-7	S 15° 59' 22" E - 180.09'	480-3	S 35° 17' 40" E - 181.09'	480-11	S 46° 49' 28" E - 711.98'	481-8	S 46° 48' 49" E - 181.89'	481-16	S 46° 50' 36" E - 179.56'							
475-1	S 29° 06' 08" E - 179.45'	476	S 28° 44' 32" E - 59.72'	476-8	S 28° 32' 50" E - 642.61'	480-4	S 47° 43' 44" E - 316.57'	481-1	S 34° 20' 31" E - 420.11'	481-9	S 34° 20' 08" E - 179.83'	481-17	S 34° 08' 05" E - 174.80'							
475-2	S 16° 32' 58" E - 172.34'	476-1	S 40° 59' 48" E - 419.80'	477	S 25° 03' 35" E - 3152.95'	480-5	S 60° 12' 37" E - 419.76'	481-2	S 46° 50' 04" E - 1089.61'	481-10	S 46° 50' 24" E - 479.58'	481-18	S 46° 46' 14" E - 604.59'							
475-3	S 04° 01' 44" E - 179.23'	476-2	S 28° 35' 40" E - 473.32'	PI 478	S 154.40' 41.58' 80.29' S 55° 11' 42" E - 1317.21'	480-6	S 47° 44' 10" E - 492.24'	481-3	S 34° 20' 59" E - 179.96'	481-11	S 59° 16' 31" E - 179.95'	481-19								
475-4	S 16° 36' 34" E - 236.75'	476-3	S 16° 03' 44" E - 420.24'	479	S 45° 52' 15" E - 3972.18'	480-7	S 35° 12' 40" E - 419.81'	481-4	S 46° 50' 53" E - 239.77'	481-12	S 46° 53' 47" E - 179.86'									
475-5	S 29° 01' 03" E - 418.93'	476-4	S 28° 33' 13" E - 413.88'	480	S 47° 44' 36" E - 4285.03'	480-8	S 47° 44' 12" E - 479.70'	481-5	S 59° 18' 23" E - 180.20'	481-13	S 34° 19' 20" E - 179.84'									
475-6	S 16° 34' 54" E - 538.93'	476-5	S 41° 04' 13" E - 179.93'	480-1	S 60° 13' 36" E - 180.06'	480-9	S 60° 12' 54" E - 419.55'	481-6	S 46° 49' 39" E - 368.06'	481-14	S 46° 48' 39" E - 598.27'									

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



AL-00-GIOI SHEET 55 OF 143

ER-

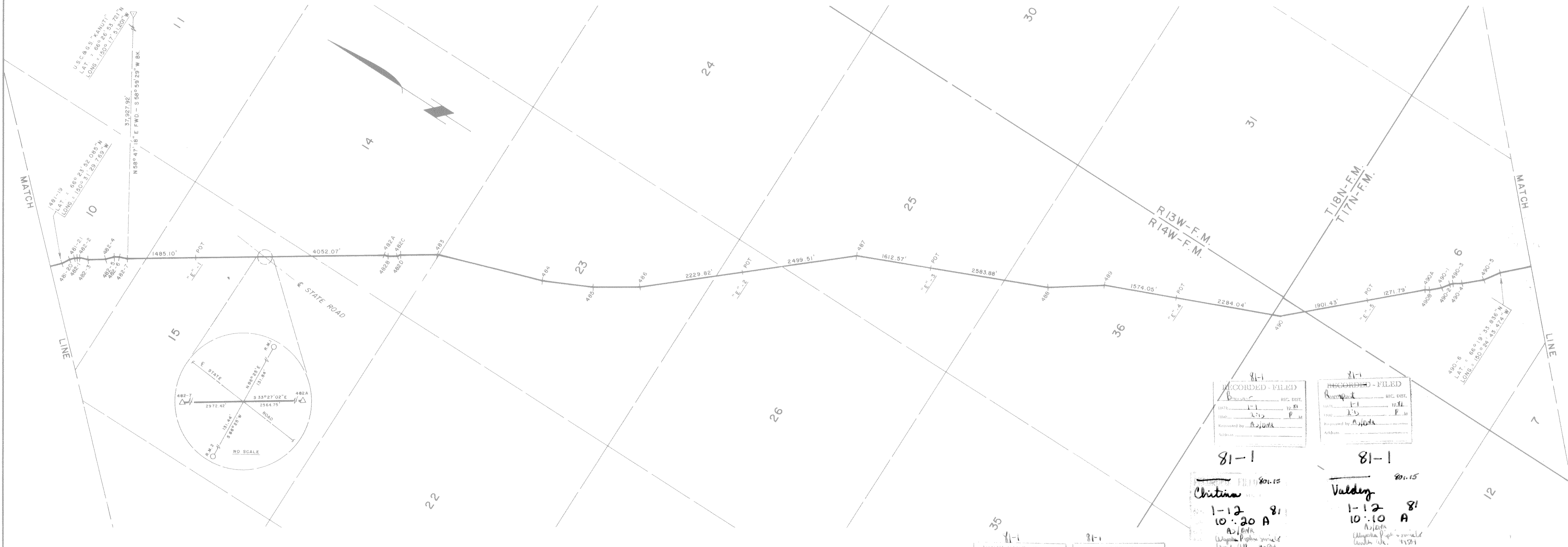
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE
Approval Recommended <i>[Signature]</i>
Approval <i>[Signature]</i>

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. dba F.M. LINDESE & 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.19N, R.15&14W, & T.18N, R.14W, F.M., ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended <i>[Signature]</i>			Approval Recommended <i>[Signature]</i>			
Name <i>[Signature]</i>			Name <i>[Signature]</i>			
Title Chief, Division of Cadastral Survey Bureau of Land Management			Title Chief Cadastral Surveyor			
Approved <i>[Signature]</i>			Approved <i>[Signature]</i>			
Name <i>[Signature]</i>			Name <i>[Signature]</i>			
Title Acting Authorized Officer			Title Authorized Officer			
File No.			File No. 102-5			

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	RADIUS	TANGENT	L. CHORD						
481-18	S 46°46'14"E	604.59'	482-5	S 33°38'03"E	124.10'	484	S 25°31'18"E	1012.67'	4908	S 42°39'18"E	294.21'																								
481-19	S 59°19'51"E	179.88'	482-6	S 20°59'49"E	180.30'	485	S 33°12'42"E	991.27'	490-1	S 55°33'56"E	179.56'																								
481-20	S 46°51'12"E	119.83'	482-7	S 33°27'02"E	553.71'	486	S 40°49'12"E	4729.33'	490-2	S 43°01'25"E	56.56'																								
481-21	S 40°09'38"E	59.82'	482A	S 26°30'05"E	77.97'	487	S 23°13'13"E	4196.45'	490-3	S 30°51'45"E	180.01'																								
482-1	S 33°30'34"E	59.85'	482B	S 34°51'04"E	199.81'	488	S 35°06'40"E	1217.35'	490-4	S 43°01'41"E	469.65'																								
482-2	S 20°56'20"E	179.02'	482C	S 40°48'47"E	60.46'	489	S 22°43'39"E	3858.09'	490-5	S 55°31'33"E	419.82'																								
482-3	S 33°28'34"E	364.09'	482D	S 33°19'13"E	810.47'	490	S 43°00'49"E	2173.22'	490-6	S 43°02'29"E	920.89'																								
482-4	S 45°54'52"E	179.82'	483	S 18°53'37"E	2429.68'	490A	S 22°38'14"E	92.19'	490-7																										

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



AL-00-G101 SHEET 56 OF 143

ER-

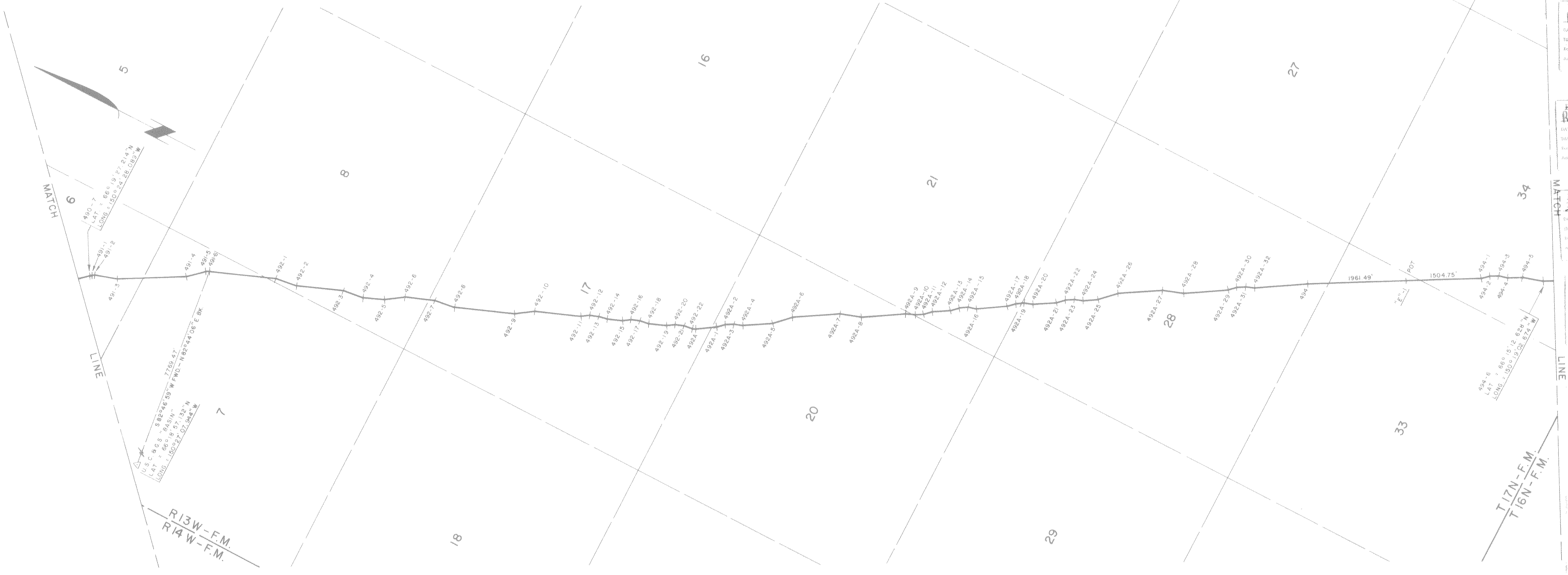
ALYESKA PIPELINE SERVICE CO., AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ				
48" OIL PIPELINE				
Approval Recommended	<i>M. Smith</i>			
Approval	<i>J.C. Harle</i>			

Date of Survey	Name of Surveyor		
Beginning Feb, 1977	Ending Oct, 1980	RICHARD C. DAVIS	
Drawn by	A.D.A.	Approved	R.C.D.
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.18N., R.14W., & T.17N., R.14 & 13W., F.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	<i>[Signature]</i>		
Name	<i>James J. [Signature]</i>		
Title	Chief, Division of Geographical Survey Bureau of Land Management		
Approved	<i>[Signature]</i>		
Name	<i>[Signature]</i>		
Title	Authorized Officer		
File No	102-6		

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
490-6	S 43°02'29"E -- 920.89'	492-1	S 08°44'51"E -- 418.93'	492-9	S 33°44'42"E -- 419.89'	492-17	S 08°45'09"E -- 179.59'	492A-2	S 31°41'53"E -- 180.84'	492A-10	S 31°38'11"E -- 181.44'	492A-18	S 31°32'50"E -- 179.32'	492A-26	S 31°37'17"E -- 899.48'	494-1	S 41°44'53"E -- 180.12'		
490-7	S 35°28'56"E -- 56.24'	492-2	S 21°14'47"E -- 963.80'	492-10	S 21°16'04"E -- 933.13'	492-18	S 21°15'24"E -- 380.74'	492A-3	S 19°07'49"E -- 180.22'	492A-11	S 44°08'05"E -- 179.86'	492A-19	S 19°12'33"E -- 179.79'	492A-27	S 19°03'34"E -- 418.92'	494-2	S 29°15'26"E -- 181.90'		
491-1	S 29°00'11"E -- 56.27'	492-3	S 08°45'52"E -- 419.33'	492-11	S 33°42'07"E -- 179.87'	492-19	S 33°44'35"E -- 179.87'	492A-4	S 31°36'45"E -- 591.81'	492A-12	S 31°38'44"E -- 359.88'	492A-20	S 31°36'30"E -- 478.96'	492A-28	S 31°37'04"E -- 898.34'	494-3	S 16°41'57"E -- 179.87'		
491-2	S 16°50'49"E -- 418.25'	492-4	S 21°15'20"E -- 423.46'	492-12	S 21°14'06"E -- 173.34'	492-20	S 21°12'17"E -- 180.06'	492A-5	S 44°10'51"E -- 419.02'	492A-13	S 44°09'44"E -- 180.14'	492A-21	S 44°09'38"E -- 179.86'	492A-29	S 44°08'28"E -- 179.69'	494-4	S 29°15'23"E -- 300.36'		
491-3	S 29°19'37"E -- 1396.09'	492-5	S 33°46'44"E -- 419.99'	492-13	S 08°42'43"E -- 178.98'	492-21	S 08°43'01"E -- 180.03'	492A-6	S 31°37'14"E -- 950.37'	492A-14	S 31°32'58"E -- 179.39'	492A-22	S 31°31'12"E -- 179.43'	492A-30	S 31°33'26"E -- 179.70'	494-5	S 16°44'20"E -- 419.51'		
491-4	S 41°48'11"E -- 419.88'	492-6	S 21°16'00"E -- 599.50'	492-14	S 21°16'58"E -- 300.28'	492-22	S 21°21'26"E -- 60.03'	492A-7	S 19°05'51"E -- 419.74'	492A-15	S 19°09'18"E -- 180.01'	492A-23	S 19°10'52"E -- 180.01'	492A-31	S 19°08'03"E -- 179.78'	494-6	S 29°14'37"E -- 420.26'		
491-5	S 29°36'35"E -- 60.19'	492-7	S 08°42'49"E -- 419.138'	492-15	S 33°43'40"E -- 179.82'	492A-1	S 31°38'14"E -- 422.13'	492A-8	S 31°38'14"E -- 907.66'	492A-16	S 31°37'49"E -- 598.81'	492A-24	S 31°37'58"E -- 299.65'	492A-32	S 31°36'01"E -- 1070.77'	494-7	S 29°15'13"E -- 3466.24'		
491-6	S 21°14'55"E -- 1324.60'	492-8	S 21°16'04"E -- 1199.74'	492-16	S 21°17'17"E -- 180.11'	492A-2	S 44°05'55"E -- 180.06'	492A-9	S 19°03'51"E -- 179.98'	492A-17	S 44°04'12"E -- 179.95'	492A-25	S 44°06'08"E -- 419.43'	494					

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: 1:15 P.M.
Requested by: A. JONES

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 1:15 P.M.
Requested by: A. JONES

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 1:15 P.M.
Requested by: A. JONES

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 1:15 P.M.
Requested by: A. JONES

81-1
Chitina
1-12-80
10:20 A
A. JONES
Alaska Dept. of Natural Resources
Anchorage, Alaska

81-1
Valdez
1-12-80
10:10 A
A. JONES
Alaska Dept. of Natural Resources
Anchorage, Alaska

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic. No.	1637-S
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'		
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.17N., R.13W., F.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended				Approval Recommended			
Name: <i>[Signature]</i>				Name: <i>[Signature]</i>			
Title: Chief, Division of Cadastral Survey Bureau of Land Management				Title: Chief Cadastral Surveyor			
Approved: <i>[Signature]</i>				Approved: <i>[Signature]</i>			
Name: <i>[Signature]</i>				Name: <i>[Signature]</i>			
Title: Authorized Officer				Title: Authorized Officer			
File No.				File No. 102-6			

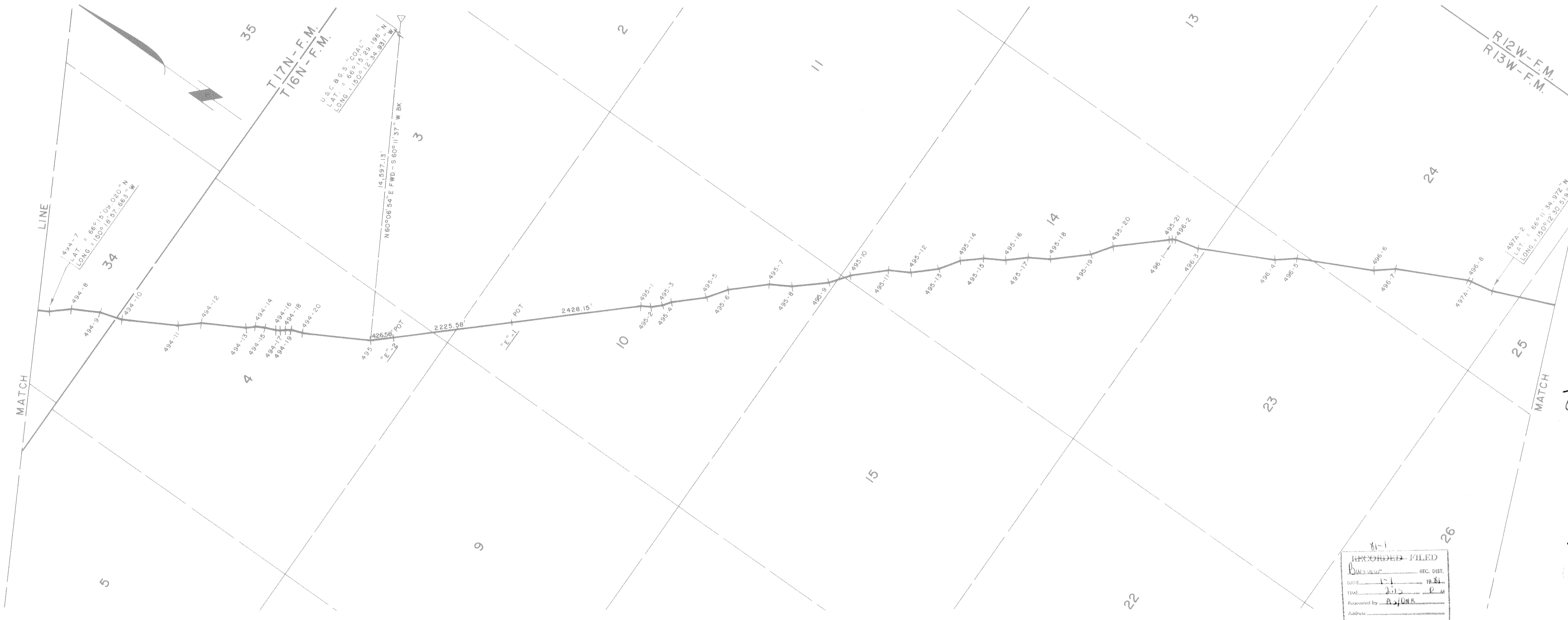
AL-00-GIOI SHEET 57 OF 143 ER-

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 OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR DISTANCE	POINT I.D.	BEARING OR 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
494-6	S 29°14'37"E - 420.26'	494-14	S 29°15'58"E - 180.02'	495-1	S 29°57'31"E - 179.19'	495-9	S 55°01'07"E - 419.82'	495-17	S 29°59'56"E - 419.68'	496-4	S 38°57'37"E - 419.76'						
494-7	S 41°45'41"E - 419.45'	494-15	S 16°37'17"E - 179.00'	495-2	S 42°31'26"E - 229.55'	495-10	S 42°31'53"E - 719.99'	495-18	S 42°29'27"E - 779.33'	496-5	S 26°27'20"E - 1442.68'						
494-8	S 29°15'08"E - 539.72'	494-16	S 29°13'32"E - 119.22'	495-3	S 55°05'22"E - 179.01'	495-11	S 30°01'14"E - 419.76'	495-19	S 55°00'06"E - 418.78'	496-6	S 38°58'00"E - 419.44'						
494-9	S 16°44'02"E - 419.82'	494-17	S 41°52'33"E - 178.17'	495-4	S 42°31'48"E - 649.19'	495-12	S 42°29'37"E - 539.67'	495-20	S 42°29'16"E - 1080.08'	496-7	S 26°27'44"E - 1379.51'						
494-10	S 29°15'00"E - 1079.69'	494-18	S 29°13'11"E - 59.12'	495-5	S 55°05'30"E - 416.96'	495-13	S 55°01'24"E - 419.87'	495-21	S 34°20'14"E - 60.00'	496-8	S 22°34'52"E - 59.47'						
494-11	S 41°45'28"E - 419.69'	494-19	S 16°37'39"E - 179.42'	495-6	S 42°32'00"E - 783.55'	495-14	S 42°30'15"E - 420.03'	496-1	S 26°34'35"E - 60.12'	497A-1	S 10°19'45"E - 420.16'						
494-12	S 29°14'41"E - 839.03'	494-20	S 29°14'23"E - 1281.26'	495-7	S 30°00'30"E - 419.35'	495-15	S 30°00'14"E - 419.68'	496-2	S 13°58'17"E - 419.65'	497A-2	S 22°48'28"E - 1452.74'						
494-13	S 41°43'23"E - 179.77'	495	S 42°32'24"E - 5080.31'	495-8	S 42°31'16"E - 719.84'	495-16	S 42°29'44"E - 419.87'	496-3	S 26°27'50"E - 1443.59'	497A-3							

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-1 1981
TIME: 1:33 P.M.
Requested by: A/DORS
Author: A/DORS

81-1
RECORDED - FILED
DATE: 1-1 1981
TIME: 1:33 P.M.
Requested by: A/DORS
Author: A/DORS

81-1
RECORDED - FILED
DATE: 1-1 1981
TIME: 1:33 P.M.
Requested by: A/DORS
Author: A/DORS

81-1
Chitina
1-12 81
10:20 A
A/DORS
Chitina Pipeline Survey
11501

81-1
RECORDED - FILED
DATE: 1-1 1981
TIME: 1:33 P.M.
Requested by: A/DORS
Author: A/DORS

81-1
Valdez
1-12 81
10:10 A
A/DORS
Valdez Pipeline Survey
11501

AL-00-GIOI SHEET 58 OF 143

ER-

No.	DATE	REVISION	BY	CHKD	APP

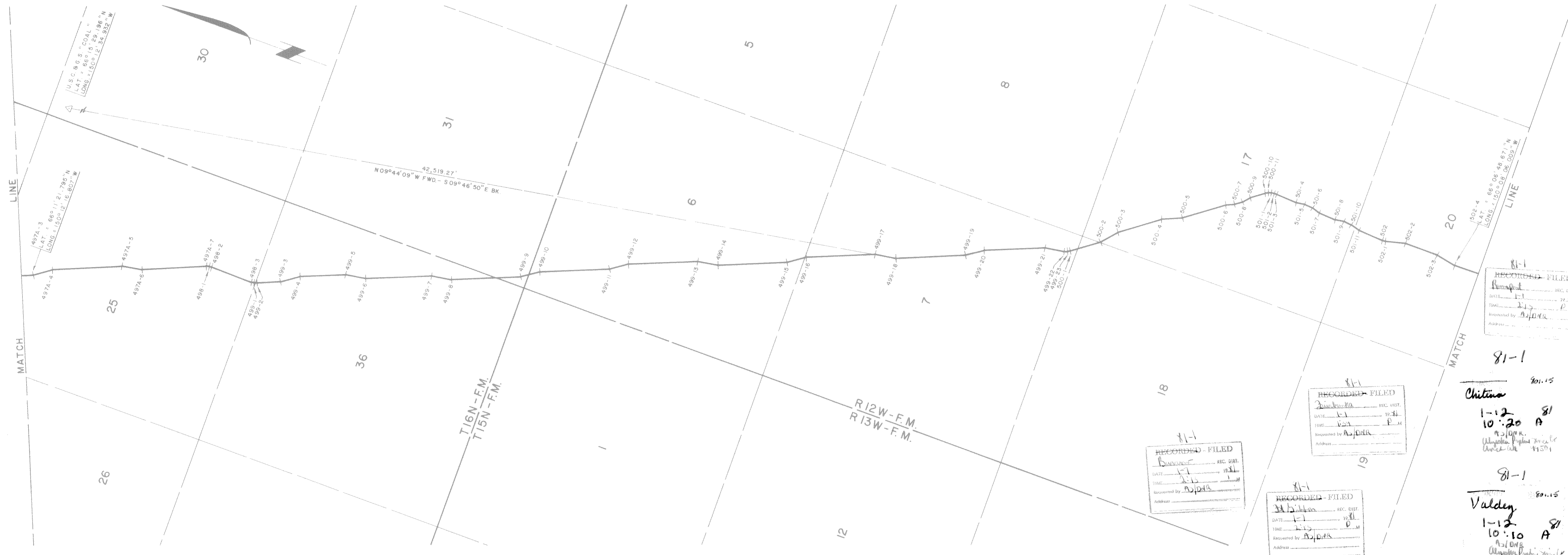
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended: *W. J. Smith*
Approval: *J. C. Harle*

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic No.	1637-S
Drawn by	A. D. A.	Approved	R.C.D.	Scale	1" = 1000'		
Description	A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 17N., R. 13W., & T. 16N., R. 13W., FM, ALASKA						
UNITED STATES DEPARTMENT OF THE INTERIOR	Approval Recommended			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Name	<i>Richard C. Davis</i>			Name	<i>Robert</i> 11/17/80		
Title	Chief, Division of Cadastral Survey, Bureau of Land Management			Title	Chief Cadastral Surveyor		
Approved	<i>Richard C. Davis</i>			Approved	<i>Robert</i>		
Name	Richard C. Davis			Name	Robert		
Title	Authorized Officer			Title	Authorized Officer		
File No.	102-6			File No.	102-6		

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								
497A-2	S 22°48'28"E	-	1452.74'	498-3	S 04°51'20"E	-	58.14'	499-8	S 22°14'07"E	-	1440.46'	500-1	S 36°23'00"E	-	652.70'	500-9	S 36°23'15"E	-	342.16'	501-6	S 16°07'21"W	-	179.71'	502-2	S 00°49'26"E	-	708.74'				
497A-3	S 35°16'54"E	-	419.83'	499-1	S 16°31'29"E	-	60.16'	499-9	S 34°41'55"E	-	420.11'	499-17	S 09°41'13"E	-	419.95'	500-2	S 31°22'43"E	-	59.29'	501-7	S 03°40'16"W	-	362.11'	502-3	S 11°38'53"W	-	420.03'				
497A-4	S 22°48'33"E	-	1454.37'	499-2	S 22°14'12"E	-	473.65'	499-10	S 22°13'13"E	-	1441.17'	499-18	S 22°12'33"E	-	1441.81'	500-3	S 36°24'36"E	-	953.03'	500-11	S 21°04'28"E	-	59.94'	501-8	S 08°57'24"E	-	180.13'	502-4	S 00°49'55"E	-	1007.70'
497A-5	S 10°17'56"E	-	419.46'	499-3	S 34°42'31"E	-	420.38'	499-11	S 34°44'27"E	-	419.73'	499-19	S 34°43'48"E	-	419.98'	500-4	S 23°55'16"E	-	419.25'	501-1	S 11°26'30"E	-	59.51'	501-9	S 03°37'01"W	-	180.92'	502-5			
497A-6	S 22°48'04"E	-	1357.56'	499-4	S 22°14'33"E	-	953.05'	499-12	S 22°12'53"E	-	1441.10'	499-20	S 22°11'41"E	-	1259.97'	500-5	S 36°24'27"E	-	954.41'	501-2	S 01°26'35"E	-	59.89'	501-10	S 16°11'47"W	-	178.99'				
497A-7	S 16°53'16"E	-	58.05'	499-5	S 09°43'13"E	-	419.82'	499-13	S 09°42'56"E	-	420.04'	499-21	S 09°40'27"E	-	419.78'	500-6	S 23°55'30"E	-	179.86'	501-3	S 03°37'51"W	-	430.19'	501-11	S 03°36'42"W	-	539.77'				
498-1	S 05°19'28"E	-	57.98'	499-6	S 22°13'36"E	-	1360.68'	499-14	S 22°12'46"E	-	1441.13'	499-22	S 22°14'02"E	-	59.85'	500-7	S 36°24'23"E	-	180.23'	501-4	S 08°55'16"E	-	179.22'	502	S 00°52'01"E	-	60.12'				
498-2	S 00°31'24"W	-	879.40'	499-7	S 09°45'39"E	-	420.66'	499-15	S 34°43'06"E	-	419.60'	499-23	S 29°20'11"E	-	59.99'	500-8	S 48°59'04"E	-	179.96'	501-5	S 03°39'06"W	-	183.06'	502-1	S 13°20'22"E	-	419.81'				

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: 1:15 P.M.
Requested by: A. J. Davis
Address:

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 1:15 P.M.
Requested by: A. J. Davis
Address:

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 1:15 P.M.
Requested by: A. J. Davis
Address:

81-1
RECORDED - FILED
DATE: 1-11-80
TIME: 1:15 P.M.
Requested by: A. J. Davis
Address:

Chitina 81-1
1-12-80 10:20 A
Requested by: A. J. Davis
Address:

Valdez 81-1
1-12-80 10:10 A
Requested by: A. J. Davis
Address:

Date of Survey	Beginning Feb., 1977	Ending Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD DBA F.M. LINDSEY & ASSOC.
Drawn by	A. D. A.	Approved	R.C.D.	Scale 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.16N., R.13 & I2W., & T.15N., R.12W., F.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended	Name: <i>[Signature]</i>	Title: Chief, Division of Cadastral Survey	Approval Recommended	Name: <i>[Signature]</i>
Approval Recommended	Name: <i>[Signature]</i>	Title: <i>[Signature]</i>	Approval	Name: <i>[Signature]</i>
Approval	Name: <i>[Signature]</i>	Title: <i>[Signature]</i>	Approval	Name: <i>[Signature]</i>
File No.				File No. 102-6

AL-00-G101 SHEET 59 OF 143 ER-

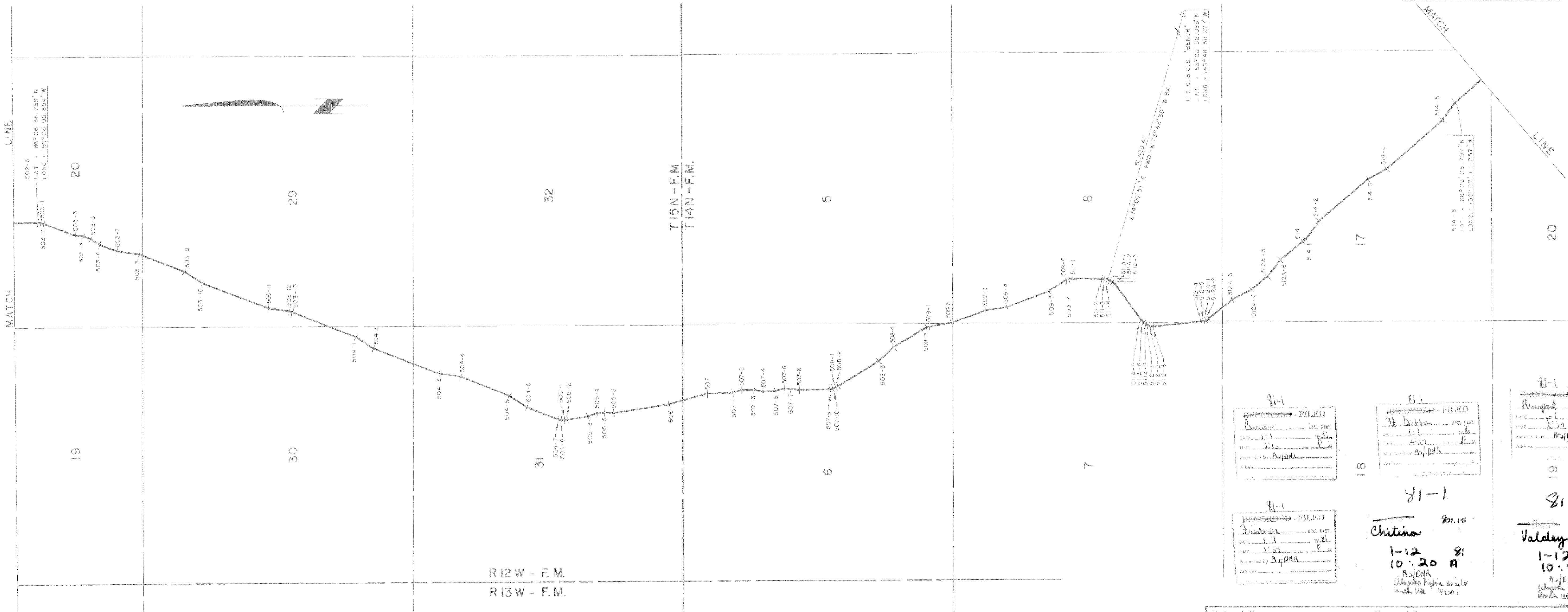
ALYESKA PIPELINE SERVICE CO., AGENT
TRANS ALASKA PIPELINE SYSTEM
PRUDHOE BAY TO VALDEZ
48" OIL PIPELINE
Approval Recommended <i>[Signature]</i>
Approval <i>[Signature]</i>

POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE	POINT I.D.	BEARING	DISTANCE																			
	RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD		RADIUS	TANGENT	L. CHORD																
502-4	S00°49'55"E	-	1007.70'	503-7	S08°16'08"W	-	420.01'	504-2	S21°04'54"W	-	1381.14'	505-2	S08°34'07"E	-	411.36'	507-2	S02°07'47"E	-	243.29'	508-3	S16°44'51"E	-	59.39'	509-3	S07°53'29"E	-	419.81'	511-4	S26°37'22"W	-	62.76'	512-2	S00°09'24"W	-	80.66'	512A-5	S51°38'46"E	-	419.41'
502-5	S04°34'30"W	-	60.07'	503-8	S20°46'05"W	-	958.42'	504-3	S08°33'18"W	-	419.27'	505-3	S21°04'53"E	-	179.89'	507-3	S10°21'06"W	-	179.48'	508-1	S26°01'25"E	-	59.87'	509-4	S20°23'43"E	-	865.04'	511A-1	S37°33'19"W	-	62.95'	512-3	S05°51'19"E	-	899.97'	512A-6	S39°06'48"E	-	598.53'
503-1	S15°18'07"W	-	60.05'	503-9	S33°16'15"W	-	419.96'	504-4	S21°05'16"W	-	1017.34'	505-4	S08°31'13"E	-	154.24'	507-4	S02°11'00"E	-	242.26'	508-2	S30°56'02"E	-	919.84'	509-5	S32°02'48"E	-	419.60'	511A-2	S48°35'24"W	-	62.79'	512-4	S11°23'54"E	-	59.60'	514	S40°42'36"E	-	60.05'
503-2	S20°46'44"W	-	650.62'	503-10	S20°46'38"W	-	1379.55'	504-5	S33°34'53"W	-	419.94'	505-5	S03°54'38"W	-	180.13'	507-5	S14°44'46"E	-	179.34'	508-3	S43°30'47"E	-	417.11'	509-6	S20°21'34"E	-	55.74'	511A-3	S54°03'14"W	-	860.02'	512-5	S22°29'09"E	-	60.07'	514-1	S53°14'57"E	-	419.26'
503-3	S08°12'56"W	-	179.81'	503-11	S08°15'52"W	-	418.92'	504-6	S21°05'54"W	-	658.54'	505-6	S06°34'33"E	-	1079.05'	507-6	S02°09'25"E	-	120.13'	508-4	S30°55'43"E	-	745.22'	509-7	S10°38'19"E	-	55.77'	511A-4	S48°04'35"W	-	60.56'	512A-1	S33°35'29"E	-	59.68'	514-2	S40°44'00"E	-	1266.27'
503-4	S20°46'53"W	-	174.88'	503-12	S20°27'35"W	-	65.65'	504-7	S16°06'50"W	-	59.97'	506	S15°15'36"E	-	801.70'	507-7	S10°19'19"W	-	179.16'	508-5	S20°29'05"E	-	59.96'	511-1	S00°51'11"E	-	591.59'	511A-5	S36°09'09"E	-	60.78'	512A-2	S39°08'10"E	-	574.32'	514-3	S28°13'36"E	-	420.21'
503-5	S33°12'16"W	-	180.08'	503-13	S21°06'03"W	-	1317.79'	504-8	S06°16'26"W	-	60.08'	507	S02°10'24"E	-	488.87'	507-8	S02°11'21"E	-	596.50'	509-1	S07°54'07"E	-	419.86'	511-2	S04°41'17"W	-	62.75'	511A-6	S23°58'47"W	-	60.73'	512A-3	S26°29'25"E	-	415.29'	514-4	S40°42'36"E	-	1448.74'
503-6	S20°47'12"W	-	359.08'	504-1	S33°35'59"W	-	419.46'	505-1	S03°37'56"E	-	60.05'	507-1	S14°46'31"E	-	179.59'	507-9	S06°59'51"E	-	59.50'	509-2	S20°23'58"E	-	717.28'	511-3	S15°35'42"W	-	62.95'	512-1	S12°05'08"W	-	60.80'	512A-4	S39°08'28"E	-	396.59'	514-5	S53°14'58"E	-	419.08'

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES

514-6 S40°42'57"E - 1431.82'
514-7 S40°42'57"E - 1431.82'



81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A
Approved by: [Signature]
Address: [Address]

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A
Approved by: [Signature]
Address: [Address]

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A
Approved by: [Signature]
Address: [Address]

81-1
RECORDED - FILED
DATE: 1-12-81
TIME: 10:20 A
Approved by: [Signature]
Address: [Address]

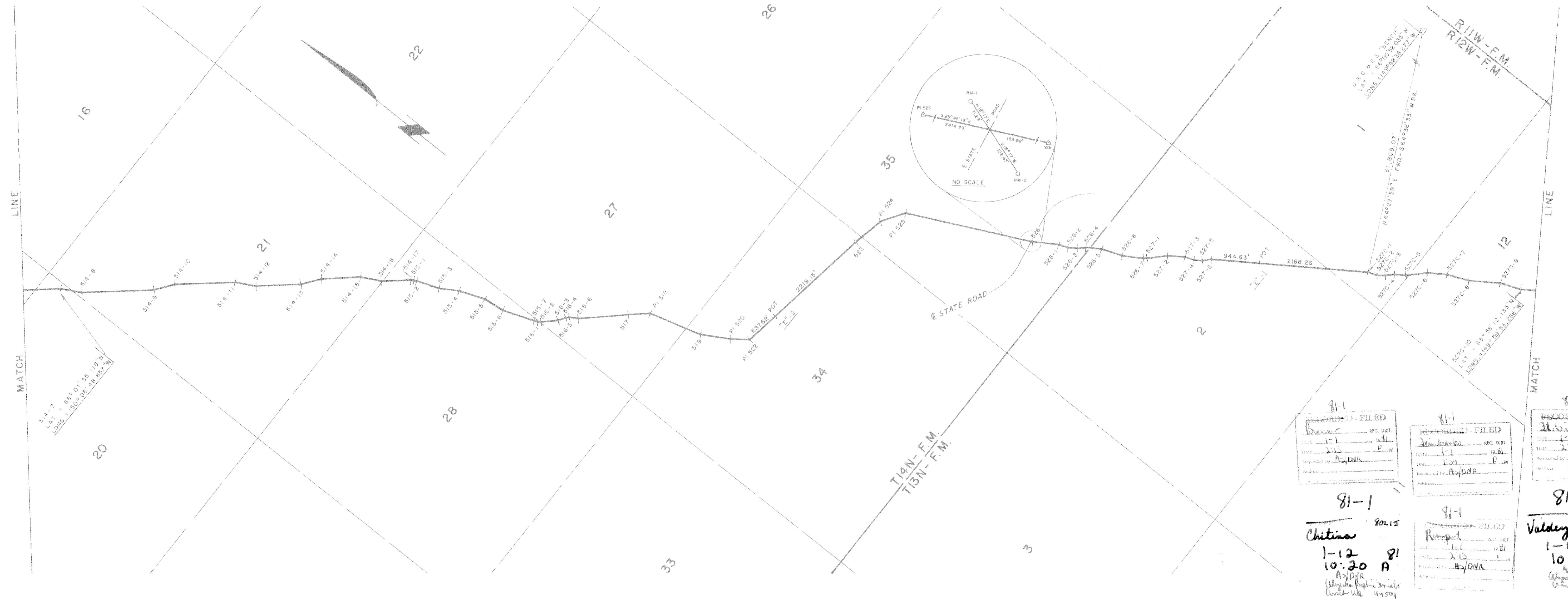
AL-00-G101 SHEET 60 OF 143	
ER-	
ALYESKA PIPELINE SERVICE CO., AGENT TRANS ALASKA PIPELINE SYSTEM PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	
Approval Recommended [Signature]	Approval [Signature]
Approval [Signature]	

Date of Survey Beginning Feb, 1977 Ending Oct, 1980	
Name of Surveyor OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC. RICHARD C. DAVIS Lic. No. 1637-S	
Drawn by A.D.A.	Approved R.C.D.
Scale 1" = 1000'	
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 15 N., R. 12 W., & T. 14 N., R. 12 W., F.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
Approval Name [Signature] Title Authorized Officer	Approval Name [Signature] Title Authorized Officer
File No. [Blank]	File No. 102-6

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
514-6	S40°42'57"E - 1431.82	514-14	S40°41'00"E - 778.09	515-5	S07°07'02"E - 420.03	516-6	S43°16'34"E - 982.35	PI 525	S25°45'15"E - 2578.76	526-7	S33°59'28"E - 60.37	527C-2	S33°42'44"E - 162.65	527C-10	S33°46'52"E - 836.87		
514-7	S28°06'45"E - 416.23	514-15	S27°57'43"E - 412.20	515-6	S19°40'28"E - 659.80	517	S41°04'00"E - 445.82	526	S32°30'48"E - 535.90	527-1	S46°16'19"E - 417.04	527C-3	S46°16'59"E - 179.68	527C-11			
514-8	S40°43'10"E - 1439.77	514-16	S40°41'22"E - 594.77	515-7	S25°30'39"E - 59.72	PI 518	S364.45 83.75 163.25 S19°47'48"E - 1077.73	526-1	S19°55'48"E - 178.74	527-2	S33°44'49"E - 356.41	527C-4	S33°47'29"E - 231.81				
514-9	S53°07'09"E - 419.53	514-17	S35°21'14"E - 60.02	516-1	S37°20'20"E - 59.97	519	S25°32'45"E - 589.73	526-2	S32°36'17"E - 192.18	527-3	S21°12'10"E - 179.25	527C-5	S46°15'35"E - 418.07				
514-10	S40°42'14"E - 1198.58	515-1	S24°55'56"E - 59.70	516-2	S43°14'33"E - 354.48	PI 520	S1322.74 190.87 377.82 S41°57'38"E - 409.58	526-3	S44°57'42"E - 179.56	527-4	S33°48'39"E - 172.28	527C-6	S33°45'42"E - 416.60				
514-11	S28°11'38"E - 419.84	515-2	S19°41'27"E - 449.19	516-3	S55°50'46"E - 179.64	PI 522	S336.78 119.88 225.87 S81°00'39"E - 2856.77	526-4	S32°34'35"E - 318.20	527-5	S46°10'25"E - 179.96	527C-7	S21°08'44"E - 417.35				
514-12	S40°42'43"E - 900.63	515-3	S32°03'30"E - 423.77	516-4	S43°25'19"E - 55.59	523	S78°21'11"E - 637.69 S434.31 80.51 158.33	526-5	S19°59'10"E - 418.81	527-6	S33°43'50"E - 3112.89	527C-8	S33°45'28"E - 659.71				
514-13	S53°14'00"E - 418.66	515-4	S19°35'15"E - 518.76	516-5	S30°43'03"E - 179.50	PI 524	S57°20'41"E - 513.66	526-6	S32°29'35"E - 431.64	527C-1	S21°20'09"E - 178.48	527C-9	S21°09'08"E - 419.82				

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 10:15 P.M.
BY A/DNA

81-1
RECORDED - FILED
DATE 1-11-80
TIME 10:15 P.M.
BY A/DNA

81-1
RECORDED - FILED
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81-1
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TIME 10:15 P.M.
BY A/DNA

81-1
RECORDED - FILED
DATE 1-11-80
TIME 10:15 P.M.
BY A/DNA

81-1
RECORDED - FILED
DATE 1-11-80
TIME 10:15 P.M.
BY A/DNA

Date of Survey: Beginning Feb. 1977, Ending Oct., 1980
 Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
 Drawn by: A. D. A. Approved: R.C.D. Scale: 1" = 1000'
 Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.14N., R.12W., & T.13N., R.12W., F.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

Approval Recommended: Name: [Signature] Title: Authorized Officer
 Approval Recommended: Name: [Signature] Title: Authorized Officer

File No. 102-6

AL-00-G101 SHEET 61 OF 143 ER-

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

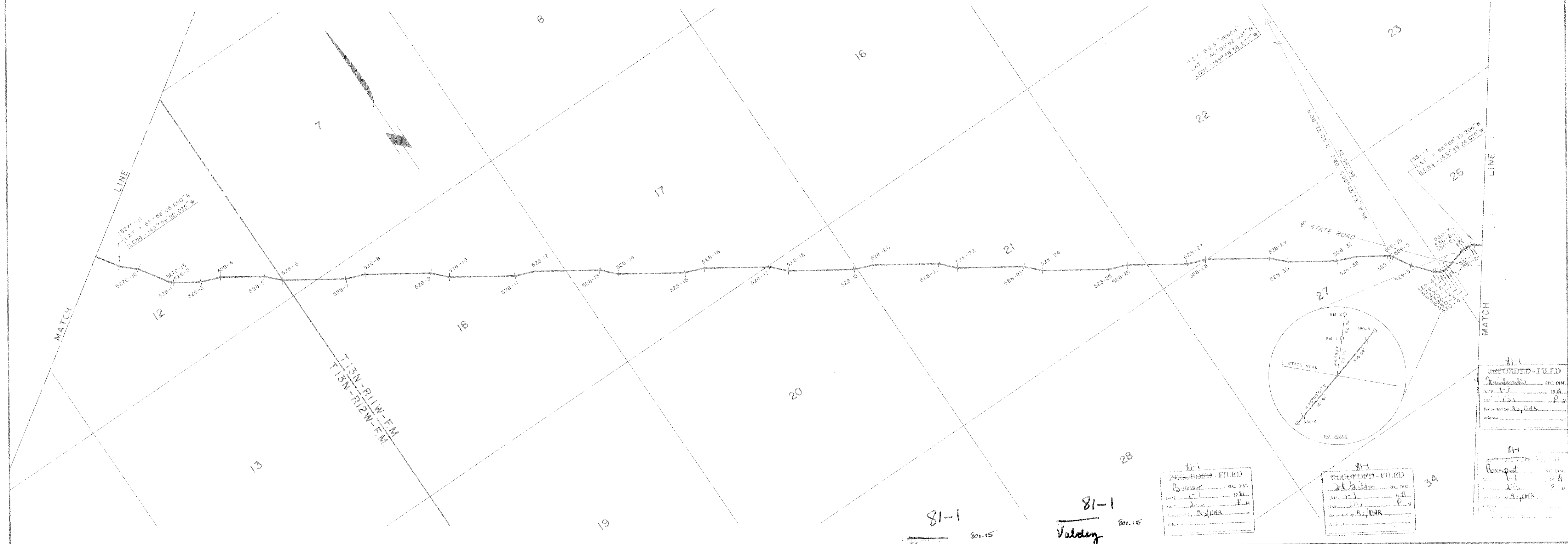
Approval Recommended: [Signature]
 Approval Recommended: [Signature]

Approval: G. C. Harber

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
527C-10	S 33°46'52"E - 836.87'	528-5	S 44°23'35"E - 420.29'	528-13	S 44°22'05"E - 419.54'	528-21	S 44°18'07"E - 419.48'	528-29	S 44°22'14"E - 419.66'	529-4	S 46°55'12"E - 58.61'	530-6	S 89°45'11"E - 58.99'						
527C-11	S 46°14'55"E - 419.36'	528-6	S 56°52'31"E - 1378.87'	528-14	S 56°49'13"E - 1439.84'	528-22	S 56°48'17"E - 1439.88'	528-30	S 56°44'26"E - 1074.98'	529-5	S 57°12'04"E - 58.42'	530-7	S 79°43'00"E - 59.30'						
527C-12	S 33°42'31"E - 719.29'	528-7	S 69°19'57"E - 420.13'	528-15	S 69°20'49"E - 419.37'	528-23	S 44°19'06"E - 420.87'	528-31	S 69°17'24"E - 419.47'	529-6	S 67°56'07"E - 58.69'	531-1	S 69°57'09"E - 59.41'						
527C-13	S 39°36'10"E - 59.91'	528-8	S 56°52'39"E - 1440.13'	528-16	S 56°49'04"E - 1438.80'	528-24	S 56°48'01"E - 1439.45'	528-32	S 56°45'50"E - 700.84'	530-1	S 78°54'42"E - 58.81'	531-2	S 59°05'33"E - 59.05'						
528-1	S 51°06'52"E - 60.13'	528-9	S 44°22'17"E - 419.48'	528-17	S 44°20'32"E - 419.55'	528-25	S 69°19'35"E - 419.69'	528-33	S 49°23'33"E - 57.42'	530-2	S 89°05'53"E - 58.49'	531-3	S 54°22'59"E - 341.58'						
528-2	S 56°53'55"E - 598.11'	528-10	S 56°51'11"E - 1437.55'	528-18	S 56°49'09"E - 1441.14'	528-26	S 56°48'03"E - 1319.07'	529-1	S 41°16'11"E - 57.19'	530-3	N 80°19'14"E - 58.36'	531-4							
528-3	S 69°22'48"E - 419.46'	528-11	S 69°20'59"E - 419.79'	528-19	S 69°17'58"E - 419.86'	528-27	S 69°12'08"E - 420.02'	529-2	S 28°58'54"E - 420.12'	530-4	N 75°00'01"E - 470.55'								
528-4	S 56°54'19"E - 957.50'	528-12	S 56°49'53"E - 1439.85'	528-20	S 56°48'32"E - 1439.34'	528-28	S 56°46'54"E - 1379.36'	529-3	S 41°28'10"E - 521.59'	530-5	N 80°04'36"E - 59.29'								

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.A.
Alaska Pipeline Service Co.
North AK 99504

81-1
Valdez
1-12-81
10:10 A
R.D.A.
Alaska Pipeline Service Co.
North AK 99504

RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by R.D.A.
Address

RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by R.D.A.
Address

RECORDED - FILED
DATE 1-11-81
TIME 1:15 P.M.
Requested by R.D.A.
Address

AL-00-GIOI SHEET 62 OF 143 ER-

No.	DATE	REVISION	BY	CHKD	APP

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

Approval Recommended *M. J. Smith*
Approval *J. C. Forde*

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

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

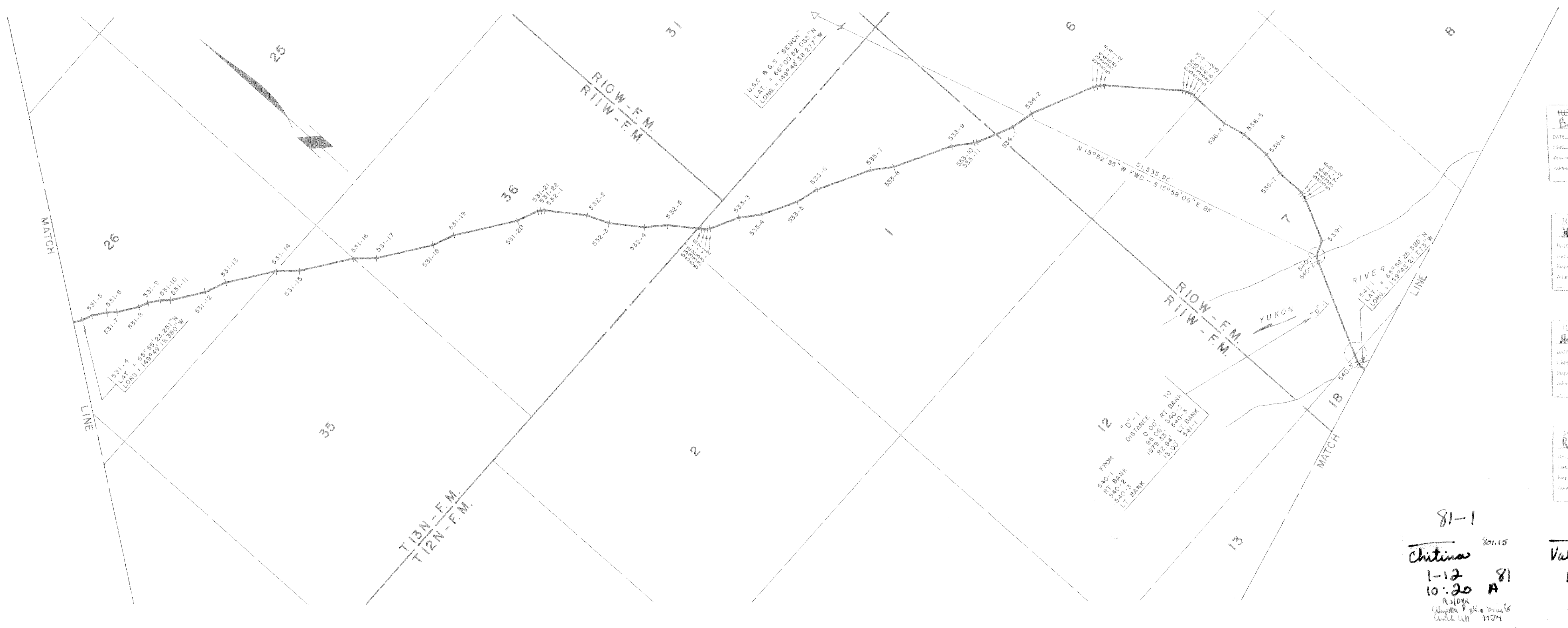
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.13N., R.12W., & T.13N., R.11W., F.M., ALASKA

UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended: <i>[Signature]</i>	Approval Recommended: <i>[Signature]</i> 4/17/80
Name: <i>[Signature]</i>	Name: <i>[Signature]</i>
Title: Chief, Division of Cadastral Survey Bureau of Land Management	Title: Chief Cadastral Surveyor
Approved: <i>[Signature]</i>	Approved: <i>[Signature]</i>
Name: <i>[Signature]</i>	Name: <i>[Signature]</i>
Title: Authorized Officer	Title: Authorized Officer
File No.	File No. 102-6

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								
531-3	S54°22'59"E	-	341.56'	531-11	S54°21'28"E	-	652.87'	531-19	S54°22'16"E	-	1188.96'	532-5	S34°36'41"E	-	634.06'	533-6	S61°22'33"E	-	1063.68'	534-3	S59°34'33"E	-	62.63'	536-3	S00°22'51"W	-	752.86'	537-2	S27°16'19"W	-	787.19'
531-4	S66°52'53"E	-	180.35'	531-12	S66°52'03"E	-	419.86'	531-20	S66°50'34"E	-	419.71'	532-6	S39°10'47"E	-	55.99'	533-7	S48°51'11"E	-	419.86'	534-4	S51°23'37"E	-	62.93'	536-4	S12°08'34"E	-	420.11'	539-1	S67°57'14"W	-	303.73'
531-5	S54°21'33"E	-	289.98'	531-13	S54°22'08"E	-	952.26'	531-21	S54°33'20"E	-	59.98'	532-7	S47°57'09"E	-	55.27'	533-8	S61°22'15"E	-	1122.67'	535-1	S42°00'51"E	-	63.41'	536-5	S00°21'46"W	-	549.23'	540-1	S28°32'37"W	-	95.06'
531-6	S41°57'20"E	-	179.80'	531-14	S41°52'30"E	-	419.77'	531-22	S44°17'12"E	-	59.91'	533-1	S56°40'52"E	-	56.12'	533-9	S48°50'29"E	-	419.63'	535-2	S37°37'54"E	-	1447.25'	536-6	S12°51'32"W	-	420.15'	540-2	S27°24'10"W	-	1979.33'
531-7	S54°22'51"E	-	414.04'	531-15	S54°22'43"E	-	1011.39'	532-1	S34°36'28"E	-	780.68'	533-2	S61°22'48"E	-	555.50'	533-10	S61°19'49"E	-	59.60'	535-3	S32°50'50"E	-	55.95'	536-7	S00°23'05"W	-	524.17'	540-3	S25°06'22"W	-	97.94'
531-8	S66°52'41"E	-	180.28'	531-16	S41°53'55"E	-	419.61'	532-2	S22°07'21"E	-	419.87'	533-3	S48°51'45"E	-	418.69'	533-11	S64°24'05"E	-	715.25'	535-4	S23°24'33"E	-	56.52'	536-8	S04°49'51"W	-	56.01'	541-1	S13°51'16"E	-	295.79'
531-9	S54°24'34"E	-	239.82'	531-17	S54°21'22"E	-	1071.13'	532-3	S34°37'08"E	-	659.33'	533-4	S61°21'29"E	-	695.56'	534-1	S76°53'29"E	-	418.85'	536-1	S13°54'48"E	-	56.23'	536-9	S13°49'02"W	-	55.86'	541-2	S22°50'15"W	-	56.30'
531-10	S41°58'18"E	-	180.29'	531-18	S66°51'52"E	-	420.09'	532-4	S47°05'45"E	-	419.98'	533-5	S73°54'52"E	-	418.89'	534-2	S64°22'59"E	-	1238.24'	536-2	S04°23'10"E	-	56.13'	537-1	S22°50'15"W	-	56.30'				

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE: 1-1-80
TIME: 10:30 P.M.
Requested by: R.H.M.

81-1
RECORDED - FILED
DATE: 1-1-80
TIME: 10:30 P.M.
Requested by: R.H.M.

81-1
RECORDED - FILED
DATE: 1-1-80
TIME: 10:30 P.M.
Requested by: R.H.M.

81-1
RECORDED - FILED
DATE: 1-1-80
TIME: 10:30 P.M.
Requested by: R.H.M.

81-1
Chitina 80.15
1-12 81
10:30 A
R.H.M.
Alaska Pipeline Service
Anchorage, Alaska 99501

81-1
Valdez 80.15
1-12 81
10:30 A
R.H.M.
Alaska Pipeline Service
Anchorage, Alaska 99501

AL-00-G101 SHEET 63 OF 143 ER-

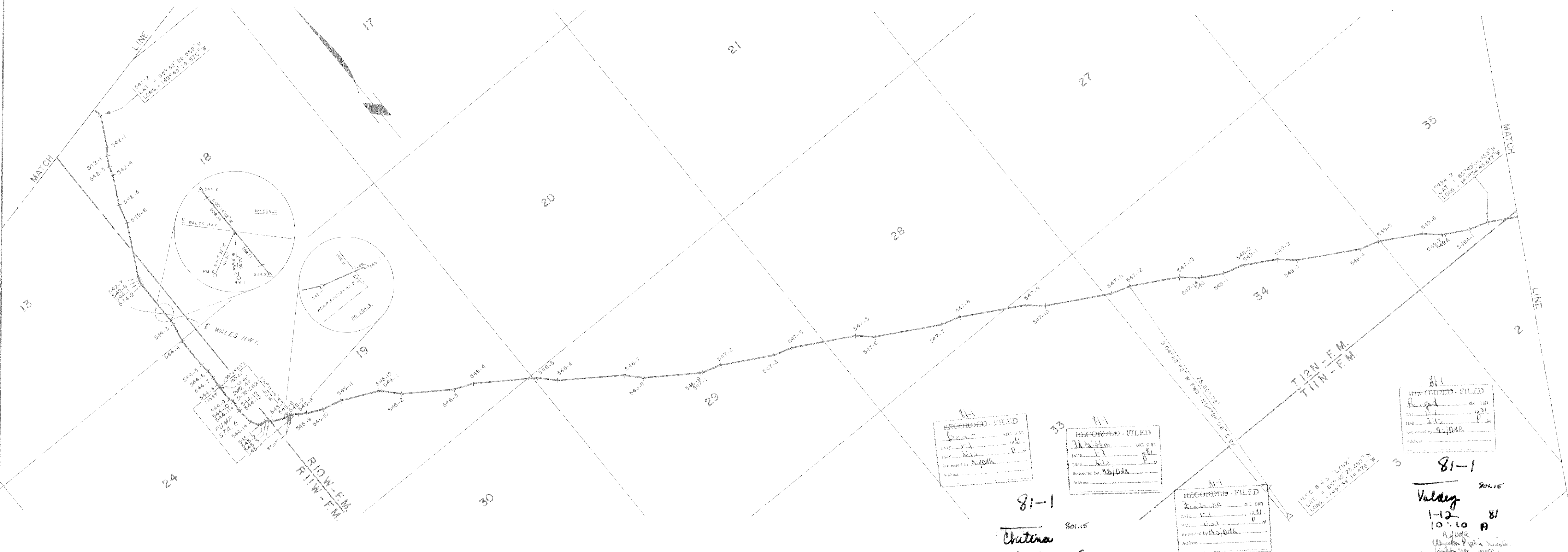
ALYESKA PIPELINE SERVICE CO., AGENT	Approval Recommended
TRANS ALASKA PIPELINE SYSTEM	Name: <i>[Signature]</i>
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE	Title: Chief, Division of Cadastral Survey Bureau of Land Management
Approval Recommended <i>[Signature]</i>	Name: <i>[Signature]</i>
Approval <i>[Signature]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

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.13 N., R.II W., & T.12 N., R.II & IO W., F.M., ALASKA				
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA		
Approval Recommended		Approval Recommended		
Name: <i>[Signature]</i>		Name: <i>[Signature]</i> 11/14/80		
Title: Chief, Division of Cadastral Survey Bureau of Land Management		Title: Chief Cadastral Surveyor		
Approval		Approval		
Name: <i>[Signature]</i>		Name: <i>[Signature]</i>		
Title: Authorized Officer		Title: Authorized Officer		
File No.		File No.	102-6	

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		
541-1	S 13°51'16" E - 295.79'	542-7	S 22°59'58" W - 58.56'	544-7	S 12°45'22" W - 179.56'	545-1	S 64°24'31" E - 65.51'	545-9	S 64°44'12" E - 360.05'	546-5	S 43°05'05" E - 419.53'	547-4	S 61°09'33" E - 1381.04'	547-12	S 61°07'36" E - 1069.52'	549-3	S 60°42'43" E - 1372.08'	549A-3	
541-2	S 27°20'26" W - 699.11'	542-8	S 13°43'10" W - 59.74'	544-8	S 00°18'21" W - 403.14'	545-2	N 85°28'41" E - 100.75'	545-10	S 77°14'15" E - 419.99'	546-6	S 55°34'40" E - 1435.74'	547-5	S 48°36'34" E - 420.93'	547-13	S 48°37'53" E - 419.65'	549-4	S 73°11'34" E - 419.83'		
542-1	S 39°53'36" W - 179.10'	544-1	S 04°27'43" W - 59.83'	544-9	S 30°07'50" E - 100.57'	545-3	S 64°44'21" E - 62.39'	545-11	S 64°45'23" E - 838.55'	546-7	S 43°02'03" E - 418.52'	547-6	S 61°08'03" E - 1435.56'	547-14	S 61°11'27" E - 58.47'	549-5	S 60°40'18" E - 956.73'		
542-2	S 27°22'40" W - 242.54'	544-2	S 00°14'42" W - 1066.45'	544-10	S 00°11'43" W - 82.83'	545-4	S 35°41'31" E - 103.18'	545-12	S 55°04'05" E - 59.81'	546-8	S 55°32'51" E - 1196.06'	547-7	S 73°36'39" E - 420.36'	548	S 61°17'28" E - 473.03'	549-6	S 48°10'35" E - 420.34'		
542-3	S 14°49'47" W - 179.26'	544-3	S 12°46'49" W - 419.41'	544-11	S 29°38'32" W - 101.03'	545-5	S 64°41'38" E - 212.90'	546-1	S 43°05'12" E - 419.69'	546-9	S 61°03'59" E - 59.88'	547-8	S 61°07'59" E - 1436.36'	548-1	S 73°47'28" E - 419.25'	549-7	S 60°36'23" E - 59.32'		
542-4	S 27°21'20" W - 656.17'	544-4	S 00°15'17" W - 646.28'	544-12	S 00°44'56" W - 46.48'	545-6	S 77°16'04" E - 179.85'	546-2	S 55°35'25" E - 1141.19'	547-1	S 73°42'18" E - 418.47'	547-9	S 48°36'53" E - 419.93'	548-2	S 61°48'08" E - 60.00'	549A	S 61°16'00" E - 528.73'		
542-5	S 14°51'31" W - 419.74'	544-5	S 12°22'34" E - 179.67'	544-13	S 07°47'07" E - 358.59'	545-7	S 64°44'22" E - 178.65'	546-3	S 68°05'32" E - 419.87'	547-2	S 61°10'11" E - 1142.57'	547-10	S 61°06'36" E - 1437.25'	549-1	S 60°39'26" E - 714.71'	549A-1	S 73°45'11" E - 419.90'		
542-6	S 27°20'46" W - 1186.95'	544-6	S 00°15'00" W - 179.10'	544-14	S 29°46'49" E - 191.95'	545-8	S 52°11'29" E - 179.37'	546-4	S 55°35'05" E - 1379.72'	547-3	S 73°41'30" E - 417.99'	547-11	S 73°34'55" E - 420.77'	549-2	S 48°03'52" E - 419.87'	549A-2	S 61°14'57" E - 839.92'		

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
DATE: 1-11-80
TIME: 10:20 A
Requested by: [Signature]
Address: [Address]

RECORDED - FILED
DATE: 1-11-80
TIME: 10:20 A
Requested by: [Signature]
Address: [Address]

RECORDED - FILED
DATE: 1-11-80
TIME: 10:20 A
Requested by: [Signature]
Address: [Address]

RECORDED - FILED
DATE: 1-11-80
TIME: 10:20 A
Requested by: [Signature]
Address: [Address]

81-1
Christina
1-12
10:20 A
[Signature]
[Address]

81-1
Valdey
1-12
10:10 A
[Signature]
[Address]

AL-00-G101 SHEET 64 OF 143

ER-

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

Date of Survey: Feb. 1977 - Oct. 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD dba F.M. LINDSEY & ASSOC.
Drawn by: R.H.M.	Approved: R.C.D.
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.12N., R.11 & 10W., & T.11N., R.10W., F.M., ALASKA	
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA
Approval Recommended: [Signature]	Approval Recommended: [Signature]
Name: [Signature]	Name: [Signature]
Title: Chief, Division of Cadastral Survey, Bureau of Land Management	Title: Chief, Cadastral Surveyor
Approval: [Signature]	Approval: [Signature]
Name: [Signature]	Name: [Signature]
Title: Authorized Officer	Title: Authorized Officer
File No.:	File No. 102-6

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
549A-2	S 61° 14' 57" E - 839.92'	551-3	S 61° 51' 32" E - 419.63'	551-11	S 61° 52' 13" E - 178.74'	554-3	S 19° 37' 16" E - 169.83'	555-5	S 69° 26' 48" E - 59.66'	556-8	S 69° 35' 21" E - 119.87'	557A-3	S 51° 30' 42" E - 234.78'	PI 565	S 425° 76' 128.61" E - 246.22'		
549A-3	S 48° 44' 56" E - 419.78'	551-4	S 74° 30' 14" E - 418.47'	551-12	S 49° 26' 46" E - 179.62'	554-4	S 33° 35' 52" E - 296.69'	556-1	S 81° 57' 23" E - 419.78'	556-9	S 81° 46' 54" E - 180.56'	558	S 87° 35' 20" E - 1855.45'	PI 566	S 333° 07' 20" E - 3573.77'		
549A-4	S 60° 43' 31" E - 61.70'	551-5	S 61° 55' 54" E - 480.35'	551-13	S 61° 52' 54" E - 515.92'	554-5	S 37° 40' 59" E - 59.89'	556-2	S 69° 24' 10" E - 338.10'	556-10	S 69° 24' 48" E - 299.14'	PI 559	S 236° 32' 72.94" E - 139.38'	567-1	S 59° 09' 06" E - 1077.68'		
549A-5	S 70° 42' 14" E - 62.60'	551-6	S 74° 25' 02" E - 419.40'	PI 552	S 69° 51' 207.16" E - 389.36'	554-6	S 21° 54' 28" E - 1465.68'	556-3	S 37° 40' 59" E - 59.89'	557	S 81° 56' 13" E - 180.19'	PI 560	S 323° 16' 32" E - 2673.55'	567-2	S 72° 27' 22" E - 175.44'		
550-1	S 80° 21' 33" E - 308.58'	551-7	S 61° 54' 13" E - 838.94'	553	S 31° 02' 16" E - 629.01'	555-1	S 56° 21' 35" E - 60.32'	556-4	S 69° 00' 46" E - 180.08'	557-1	S 81° 56' 13" E - 180.19'	PI 561	S 291° 11' 68.71" E - 133.75'	567-3	S 59° 31' 16" E - 58.74'		
550-2	S 71° 11' 57" E - 59.95'	551-8	S 49° 22' 36" E - 419.84'	554	S 33° 09' 10" E - 298.45'	555-2	S 60° 23' 12" E - 592.72'	556-5	S 81° 57' 06" E - 180.38'	557-2	S 62° 23' 37" E - 63.07'	PI 562	S 498° 22' 65.01" E - 167.59'	567-4	S 46° 38' 30" E - 173.30'		
551-1	S 61° 22' 32" E - 60.02'	551-9	S 61° 54' 49" E - 836.27'	554-1	S 46° 35' 59" E - 176.61'	555-3	S 47° 54' 57" E - 420.20'	556-6	S 69° 26' 10" E - 239.96'	557A-1	S 52° 02' 12" E - 122.68'	PI 563	S 354° 67' 107.73" E - 206.15'	567-5	S 59° 34' 45" E - 295.13'		
551-2	S 49° 24' 11" E - 418.86'	551-10	S 74° 24' 38" E - 179.94'	554-2	S 33° 20' 37" E - 120.70'	555-4	S 60° 23' 45" E - 533.01'	556-7	S 66° 57' 39" E - 180.00'	557A-2	S 39° 28' 29" E - 175.73'	564	S 860° 00' 55" E - 1706.16'				

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



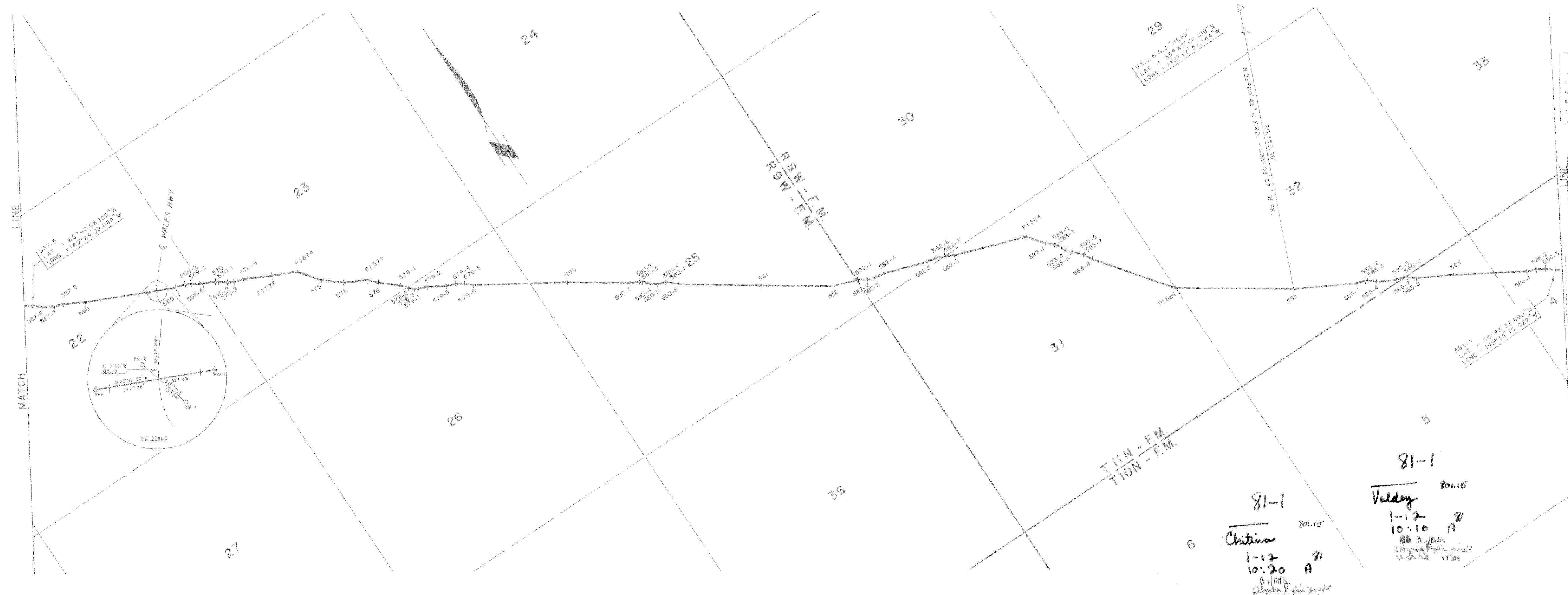
AL-00-G101 SHEET 65 OF 143		ER-	
ALYESKA PIPELINE SERVICE CO., AGENT		Name: <i>[Signature]</i>	
TRANS ALASKA PIPELINE SYSTEM		Title: Chief, Division of Cadastral Survey, Bureau of Land Management	
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE		Name: <i>[Signature]</i>	
Approval Recommended: <i>[Signature]</i>		Title: <i>[Signature]</i> Authorized Officer	
Approval: <i>[Signature]</i>		File No. 102-6	

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.
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.I.N., R.10 & 9 W., F.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended: <i>[Signature]</i>		Approval Recommended: <i>[Signature]</i> 11/14/80	
Name: <i>[Signature]</i>		Name: <i>[Signature]</i>	
Title: <i>[Signature]</i>		Title: Chief Cadastral Surveyor	
Approval: <i>[Signature]</i>		Approval: <i>[Signature]</i>	
Name: <i>[Signature]</i>		Name: <i>[Signature]</i>	
Title: <i>[Signature]</i>		Title: Authorized Officer	
File No.		File No. 102-6	

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
567-4	S59°34'45"E - 295.13'	569-2	S65°10'02"E - 112.09'	P1573	7345.24' 271.07' 541.76'	578-3	S59°14'35"E - 62.32'	580-1	S67°51'00"E - 178.27'	581	S56°01'53"E - 1387.08'	582-7	S57°57'47"E - 178.73'	583-6	S37°18'41"E - 60.30'	585-4	S61°05'02"E - 378.19'	586-3	S46°27'29"E - 180.15'
567-5	S47°06'26"E - 180.32'	569-3	S52°44'27"E - 180.27'	P1574	736.31' 189.32' 367.08'	579-1	S70°32'50"E - 180.17'	580-2	S55°32'20"E - 54.37'	582	S70°42'26"E - 494.99'	582-8	S70°34'07"E - 1432.85'	583-7	S24°37'57"E - 178.06'	585-5	S73°51'14"E - 176.16'	586-4	S58°58'04"E - 845.13'
567-6	S59°37'16"E - 236.45'	569-4	S65°19'56"E - 299.93'	575	S50°28'48"E - 434.29'	579-2	S58°02'09"E - 370.10'	580-3	S42°35'05"E - 178.52'	582-1	S58°15'38"E - 185.15'	P1583	S37°11'15"E - 392.96'	583-8	S37°13'24"E - 1708.27'	585-6	S61°01'04"E - 54.18'	586-5	
567-7	S72°20'38"E - 178.27'	570	S61°07'15"E - 59.90'	576	S63°11'29"E - 471.73'	579-3	S70°31'22"E - 180.63'	580-4	S55°14'47"E - 112.60'	582-2	S70°36'25"E - 169.81'	583-1	S49°51'21"E - 178.58'	P1584	S37°13'24"E - 1708.27'	585-7	S48°14'20"E - 176.89'	586-6	
567-8	S59°33'02"E - 391.33'	570-1	S49°25'23"E - 180.23'	P1577	549.37' 117.86' 230.47'	579-4	S58°03'16"E - 184.41'	580-5	S67°52'43"E - 178.81'	582-3	S83°06'38"E - 180.02'	583-2	S37°14'51"E - 62.38'	585-1	S61°06'00"E - 1209.63'	586-7	S61°06'58"E - 718.67'	586-7	
568	S65°12'50"E - 1812.89'	570-2	S60°31'26"E - 124.68'	578	S49°43'02"E - 429.87'	579-5	S45°30'45"E - 179.63'	580-6	S55°02'44"E - 56.88'	582-4	S70°34'24"E - 873.71'	583-3	S24°44'06"E - 179.38'	585-2	S73°46'52"E - 176.78'	586-8	S58°57'55"E - 1417.39'	586-8	
	S65°12'50"E - 1812.89'	570-3	S75°08'41"E - 182.45'	578-1	S37°14'55"E - 179.17'	579-6	S58°02'24"E - 1810.73'	580-7	S42°39'18"E - 178.03'	582-5	S83°05'31"E - 179.66'	583-4	S37°13'02"E - 123.01'	585-3	S60°38'06"E - 52.12'	586-9	S71°31'23"E - 179.86'	586-9	
569-1	S77°43'06"E - 180.62'	570-4	S62°04'11"E - 555.94'	578-2	S49°13'08"E - 123.20'	580	S55°16'20"E - 1217.02'	580-8	S55°16'11"E - 1807.01'	582-6	S70°36'16"E - 179.34'	583-5	S49°44'06"E - 179.95'	585-4	S48°20'03"E - 174.01'	586-1	S58°58'05"E - 183.62'	586-2	

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



RECORDED - FILED
DATE: 1/12/80
BY: R.H.M.
APPROVED: R.C.D.
SCALE: 1" = 1000'

RECORDED - FILED
DATE: 1/12/80
BY: R.H.M.
APPROVED: R.C.D.
SCALE: 1" = 1000'

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DATE: 1/12/80
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SCALE: 1" = 1000'

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SCALE: 1" = 1000'

RECORDED - FILED
DATE: 1/12/80
BY: R.H.M.
APPROVED: R.C.D.
SCALE: 1" = 1000'

81-1
Chitina
1-12
10:20 A
81
Valley
80.15
1-12
10:10 A
81
R.H.M.
Alaska Pipeline Service
Anchorage, Alaska 99501

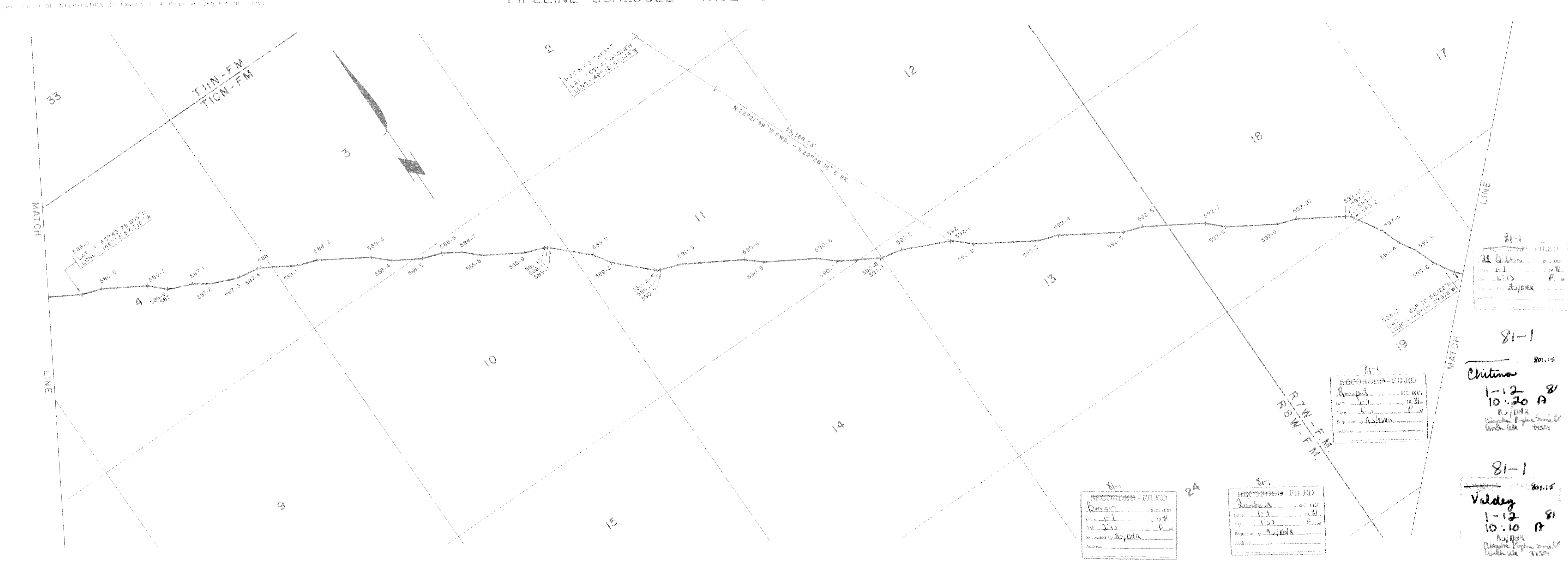
Date of Survey: Feb., 1977	Ending Oct., 1980	Name of Surveyor: OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.
Drawn by: R.H.M.	Approved: R.C.D.	Scale: 1" = 1000'
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.11N., R.9&8W., & T.10N., R.8W., F.M., ALASKA		
UNITED STATES DEPARTMENT OF THE INTERIOR	STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Name: <i>[Signature]</i>	Title: Chief Cadastral Surveyor
Approval Recommended	Name: <i>[Signature]</i>	Title: Authorized Officer
File No.	File No. 102-7	

AL-00-G101 SHEET 66 OF 143 ER-

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

POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			POINT I.D.	BEARING & DISTANCE			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		
586-4	S 58° 58' 04" E	- 845.13'		587-3	S 80° 56' 05" E	- 419.75'		588-6	S 58° 28' 22" E	- 418.89'		589-3	S 45° 43' 06" E	- 913.11'		590-7	S 59° 32' 45" E	- 917.74'		592-4	S 58° 07' 06" E	- 1367.79'		593-12	S 44° 23' 10" E	- 62.38'							
586-5	S 71° 27' 53" E	- 419.89'		587-4	S 68° 23' 19" E	- 59.93'		588-7	S 46° 00' 46" E	- 419.62'		589-4	S 52° 37' 23" E	- 60.09'		590-8	S 65° 27' 34" E	- 54.49'		592-5	S 70° 36' 05" E	- 419.01'		593-1	S 36° 10' 49" E	- 59.02'							
586-6	S 58° 57' 27" E	- 959.60'		588	S 58° 31' 25" E	- 773.84'		588-8	S 58° 30' 26" E	- 899.31'		590-1	S 59° 32' 14" E	- 59.91'		591-1	S 77° 57' 21" E	- 419.96'		592-6	S 58° 07' 33" E	- 1311.71'		593-2	S 31° 18' 59" E	- 653.12'							
586-7	S 46° 26' 39" E	- 419.96'		588-1	S 71° 05' 50" E	- 418.54'		588-9	S 70° 58' 54" E	- 419.34'		590-2	S 72° 06' 23" E	- 420.01'		591-2	S 65° 27' 19" E	- 1037.60'		592-7	S 45° 35' 14" E	- 419.24'		593-3	S 18° 47' 05" E	- 418.03'							
586-8	S 58° 55' 36" E	- 59.92'		588-2	S 58° 29' 53" E	- 1132.70'		588-10	S 58° 29' 17" E	- 60.09'		590-3	S 59° 31' 04" E	- 1340.57'		592	S 58° 18' 15" E	- 59.93'		592-8	S 58° 08' 15" E	- 1076.24'		593-4	S 31° 17' 45" E	- 415.43'							
587	S 68° 26' 07" E	- 477.60'		588-3	S 46° 00' 18" E	- 419.01'		588-11	S 52° 11' 31" E	- 59.73'		590-4	S 47° 01' 41" E	- 419.46'		592-1	S 45° 42' 48" E	- 420.07'		592-9	S 70° 36' 26" E	- 419.24'		593-5	S 18° 50' 17" E	- 419.71'							
587-1	S 55° 41' 53" E	- 411.98'		588-4	S 58° 30' 27" E	- 659.90'		589-1	S 45° 42' 02" E	- 909.26'		590-5	S 59° 32' 04" E	- 1100.21'		592-2	S 58° 10' 30" E	- 1369.66'		592-10	S 58° 07' 47" E	- 1018.72'		593-6	S 31° 19' 49" E	- 479.44'							
587-2	S 68° 26' 34" E	- 582.78'		588-5	S 71° 03' 41" E	- 418.82'		589-2	S 33° 14' 38" E	- 419.93'		590-6	S 47° 02' 21" E	- 420.00'		592-3	S 70° 47' 05" E	- 418.43'		592-11	S 54° 16' 25" E	- 57.17'		593-7	S 43° 48' 49" E	- 420.05'							

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
APPROVED
DATE: 1-11-81
TIME: 1:15 P.M.
Requested by: R.H.M.
Address:

81-1
RECORDED - FILED
APPROVED
DATE: 1-11-81
TIME: 1:15 P.M.
Requested by: R.H.M.
Address:

81-1
RECORDED - FILED
APPROVED
DATE: 1-12-81
TIME: 10:20 A.M.
Requested by: R.H.M.
Address:

81-1
RECORDED - FILED
APPROVED
DATE: 1-12-81
TIME: 10:10 P.M.
Requested by: R.H.M.
Address:

Date of Survey	Beginning	Ending	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic. No.	1637-9
Drawn by	R.H.M.	Approved	R.C.D.	Scale	1" = 1000'		
Description: A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T. 10 N., R. 8 & 7 W., F.M., ALASKA							
UNITED STATES DEPARTMENT OF THE INTERIOR				STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended Name: <i>[Signature]</i> Title: Chief, Division of Cadastral Survey, Bureau of Land Management				Approval Recommended Name: <i>[Signature]</i> Title: Chief Cadastral Surveyor			
Approved Name: <i>[Signature]</i> Title: Acting Authorized Officer				Approved Name: <i>[Signature]</i> Title: Authorized Officer			
File No.				File No. 102-7 FILE No. 1 - Dr. O			

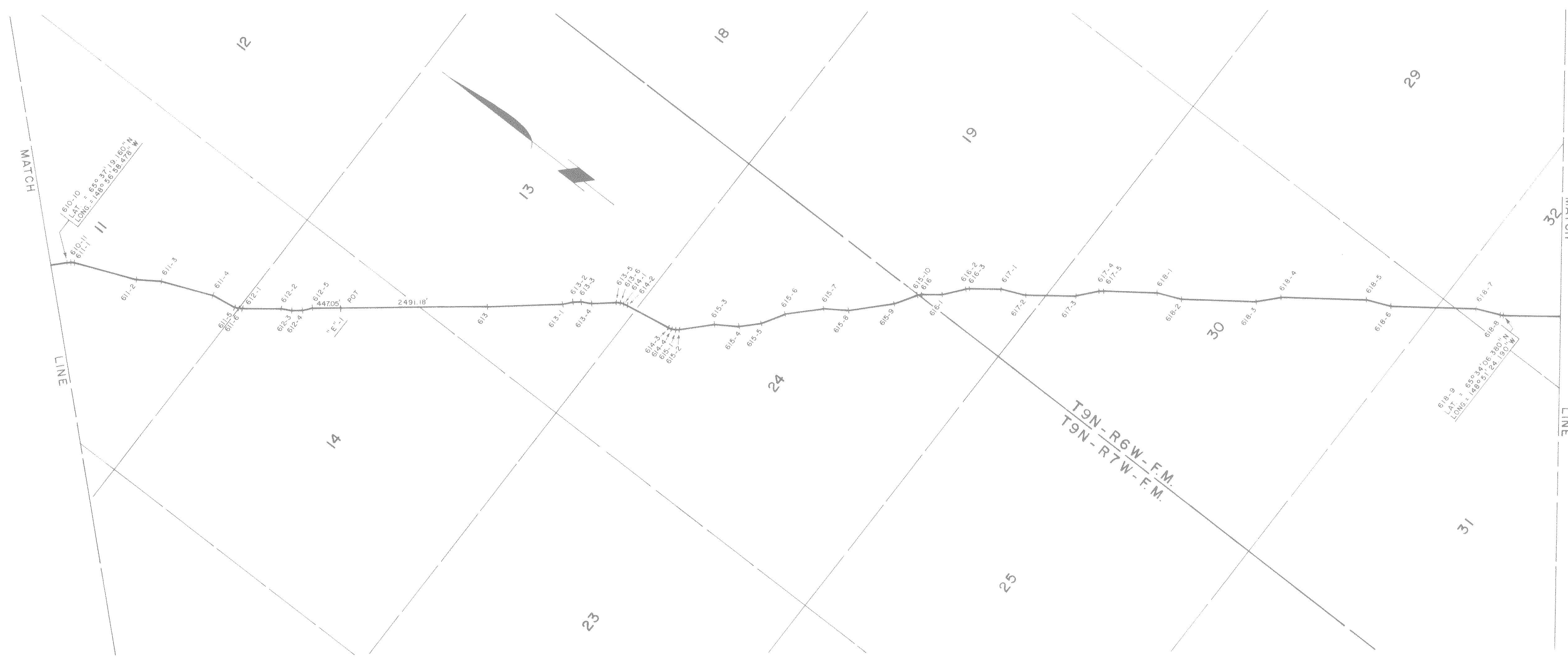
AL-00-GIOI SHEET 67 OF 143 ER-

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 CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD	POINT I.D.	BEARING & DISTANCE RADIUS TANGENT CHORD
610-9	S 47° 57' 26" E - 420.06'	611-6	S 30° 10' 00" E - 60.22'	613-2	S 39° 23' 40" E - 137.84'	614-4	S 27° 15' 56" E - 59.60'	615-8	S 45° 56' 50" E - 778.77'	617-2	S 36° 48' 02" E - 834.80'	618-5	S 23° 03' 51" E - 421.16'						
610-10	S 55° 30' 37" E - 59.78'	612-1	S 38° 13' 18" E - 662.67'	613-3	S 26° 35' 49" E - 179.89'	615-1	S 39° 39' 46" E - 60.07'	615-9	S 58° 24' 01" E - 420.12'	617-3	S 49° 17' 43" E - 419.92'	618-6	S 36° 01' 45" E - 1427.41'						
610-11	S 28° 51' 41" E - 60.03'	612-2	S 25° 44' 22" E - 179.67'	613-4	S 39° 30' 01" E - 414.05'	615-2	S 45° 57' 29" E - 604.05'	615-10	S 46° 05' 35" E - 60.78'	617-4	S 36° 37' 09" E - 59.87'	618-7	S 23° 21' 03" E - 418.01'						
611-1	S 22° 06' 50" E - 1077.94'	612-3	S 38° 20' 36" E - 181.52'	613-5	S 34° 05' 47" E - 61.51'	615-3	S 33° 25' 33" E - 419.08'	616	S 38° 50' 00" E - 359.55'	617-5	S 35° 56' 36" E - 893.07'	618-8	S 35° 56' 26" E - 59.96'						
611-2	S 34° 38' 29" E - 419.44'	612-4	S 50° 44' 48" E - 177.62'	613-6	S 24° 10' 25" E - 61.18'	615-4	S 45° 57' 04" E - 377.54'	616-1	S 51° 21' 44" E - 420.00'	618-1	S 23° 25' 43" E - 419.42'	618-9	S 36° 22' 11" E - 1378.58'						
611-3	S 22° 07' 46" E - 895.19'	612-5	S 38° 13' 31" E - 2938.23'	614-1	S 14° 49' 02" E - 61.21'	615-5	S 58° 30' 51" E - 417.92'	616-2	S 38° 49' 53" E - 59.61'	618-2	S 35° 55' 29" E - 1249.61'	619-1							
611-4	S 09° 36' 49" E - 419.91'	613	S 39° 21' 26" E - 1254.07'	614-2	S 09° 16' 29" E - 789.11'	615-6	S 45° 56' 20" E - 654.37'	616-3	S 36° 46' 26" E - 533.38'	618-3	S 48° 25' 02" E - 420.08'								
611-5	S 22° 01' 27" E - 60.05'	613-1	S 51° 52' 06" E - 180.02'	614-3	S 16° 03' 42" E - 60.30'	615-7	S 33° 26' 01" E - 419.37'	617-1	S 24° 17' 58" E - 419.12'	618-4	S 35° 55' 13" E - 1431.20'								

POINT OF INTERSECTION OF TANGENT OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
RECORDED - FILED
DATE 1-11-81
BY [Signature]
AS/DAK

81-1
RECORDED - FILED
DATE 1-11-81
BY [Signature]
AS/DAK

81-1
RECORDED - FILED
DATE 1-11-81
BY [Signature]
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81-1
RECORDED - FILED
DATE 1-11-81
BY [Signature]
AS/DAK

81-1
80.15
Christina
1-12-81
10:20 A
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[Signature]
11504

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Valdey
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[Signature]
11504

AL-00-GIOI SHEET 69 OF 143

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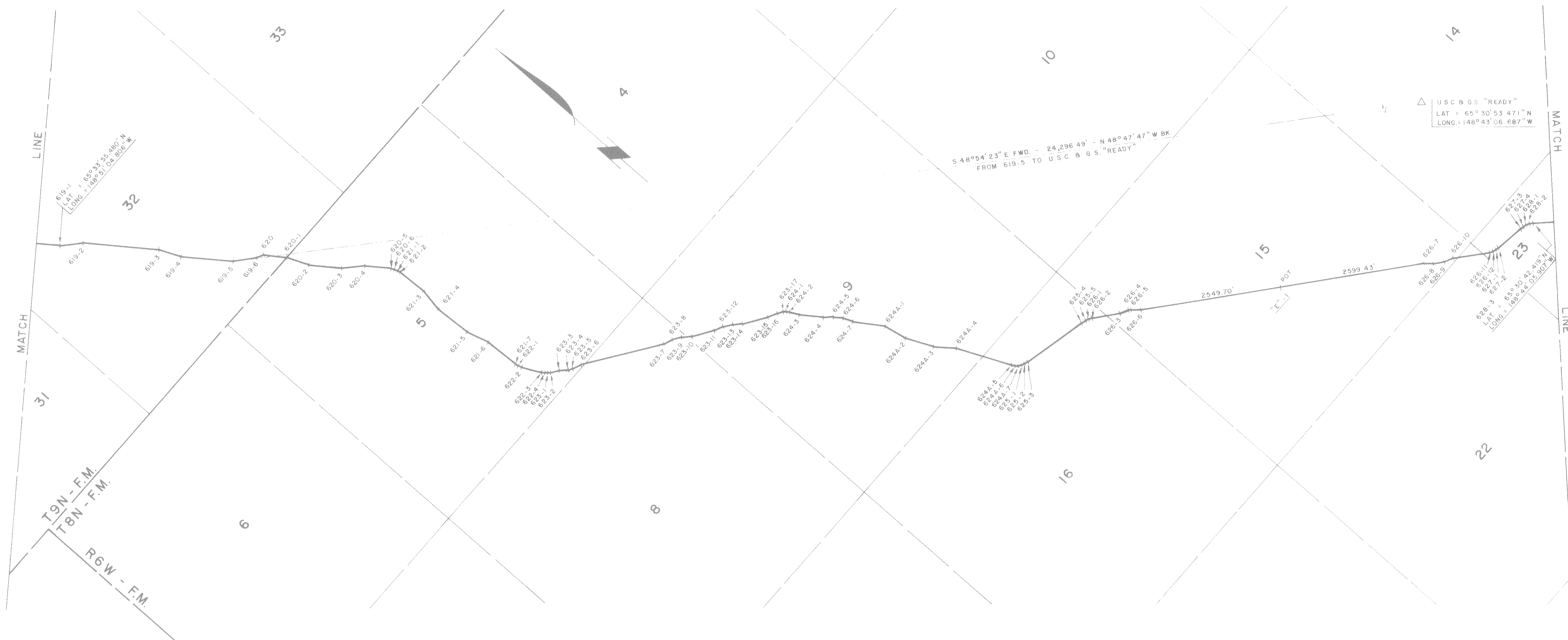
ALYESKA PIPELINE SERVICE CO., AGENT				
TRANS ALASKA PIPELINE SYSTEM				
PRUDHOE BAY TO VALDEZ 48" OIL PIPELINE				
Approval Recommended	[Signature]			
Approval	[Signature]			

Date of Survey	Name of Surveyor		
Beginning Feb, 1977	Ending Oct, 1980	OCEAN TECHNOLOGY LTD. DBA FM LINDSEY & ASSOC.	
Drawn by R.H.M.	Approved R.C.D.	RICHARD C. DAVIS Lic No. 1637-S	
Description			
A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.9N., R.7W., & T.9N., R.6W., F.M., ALASKA			
UNITED STATES DEPARTMENT OF THE INTERIOR		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA	
Approval Recommended	Approval Recommended		
Name	Name [Signature] 1/14/81		
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. 102-7		

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		RADIUS	TANGENT	L. CHORD				
618-9				620-1	S 22° 42' 46" E	416.92'		621-3	S 09° 40' 33" W	419.85'		622-4	S 40° 23' 46" E	54.13'		623-8	S 55° 17' 10" E	177.87'		625-16	S 55° 17' 27" E	118.46'		624-7	S 32° 56' 48" E	595.94'		625-1	S 61° 17' 09" E	62.54'		626-4	S 50° 45' 57" E	48.67'		626-12	S 66° 56' 30" E	57.27'					
619-1	S 48° 55' 29" E	417.70'		620-2	S 35° 18' 24" E	593.88'		621-4	S 02° 49' 43" E	660.17'		623-1	S 50° 44' 58" E	52.28'		623-9	S 42° 33' 13" E	177.06'		623-17	S 44° 42' 22" E	58.97'		624-1	S 11° 47' 11" E	419.08'		624-1-1	S 71° 52' 59" E	62.11'		625-2	S 71° 52' 59" E	62.11'		626-5	S 38° 04' 08" E	176.72'		627-1	S 76° 57' 03" E	60.02'	
619-2	S 36° 21' 53" E	1365.39'		620-3	S 47° 49' 31" E	418.88'		621-5	S 15° 23' 01" E	418.40'		623-2	S 55° 11' 44" E	169.11'		623-10	S 55° 16' 23" E	413.51'		624-1	S 34° 00' 46" E	59.25'		624-2	S 24° 17' 44" E	520.34'		624-2-1	S 24° 17' 44" E	520.34'		625-3	S 77° 13' 18" E	1222.48'		626-6	S 50° 34' 07" E	5149.13'		627-2	S 82° 45' 41" E	531.06'	
619-3	S 23° 35' 20" E	411.40'		620-4	S 35° 19' 17" E	477.32'		621-6	S 02° 48' 14" E	620.65'		623-3	S 42° 53' 12" E	179.51'		623-11	S 67° 51' 38" E	177.71'		624-2	S 21° 19' 13" E	178.78'		624-3	S 36° 43' 04" E	418.70'		624-3-1	S 36° 43' 04" E	418.70'		625-4	S 72° 50' 51" E	58.35'		626-7	S 37° 58' 42" E	179.24'		627-3	S 77° 59' 07" E	59.96'	
619-4	S 36° 21' 03" E	939.78'		620-5	S 30° 05' 29" E	59.65'		621-7	S 08° 51' 06" E	65.54'		623-4	S 55° 17' 12" E	64.59'		623-12	S 55° 19' 25" E	177.05'		624-3	S 35° 55' 20" E	442.35'		624-4	S 24° 21' 32" E	1032.79'		624-4-1	S 24° 21' 32" E	1032.79'		625-5	S 63° 38' 05" E	57.64'		626-8	S 50° 34' 45" E	188.65'		627-4	S 68° 41' 18" E	59.95'	
619-5	S 48° 54' 08" E	419.00'		620-6	S 19° 09' 27" E	60.23'		622-1	S 20° 47' 34" E	65.16'		623-5	S 67° 52' 19" E	178.87'		623-13	S 55° 19' 25" E	177.05'		624-4	S 46° 28' 36" E	179.28'		624-5	S 29° 25' 03" E	62.39'		624-5-1	S 29° 25' 03" E	62.39'		626-1	S 56° 00' 00" E	58.27'		627-5	S 63° 28' 40" E	179.96'		628-1	S 58° 30' 14" E	60.40'	
619-6	S 36° 27' 58" E	59.42'		621-1	S 07° 50' 09" E	59.58'		622-2	S 26° 45' 31" E	364.63'		623-6	S 55° 16' 31" E	1514.68'		623-14	S 55° 12' 43" E	477.27'		624-5	S 33° 55' 10" E	171.61'		624-6	S 40° 09' 50" E	62.56'		624-6-1	S 40° 09' 50" E	62.56'		626-2	S 50° 34' 17" E	506.27'		627-6	S 50° 18' 18" E	668.09'		628-2	S 48° 53' 10" E	59.91'	
620	S 35° 17' 56" E	416.57'		621-2	S 02° 49' 01" E	539.88'		622-3	S 31° 51' 28" E	50.61'		623-7	S 67° 56' 57" E	176.32'		623-15	S 68° 17' 25" E	174.14'		624-6	S 21° 26' 02" E	179.68'		624-7	S 50° 42' 40" E	62.39'		624-7-1	S 50° 42' 40" E	62.39'		626-3	S 63° 21' 39" E	175.28'		627-7	S 57° 27' 52" E	58.79'		628-3	S 44° 19' 45" E	451.26'	

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

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1

RECORDED - FILED
DATE: 1-12-80
BY: [Signature]
Submitted by: [Signature]
Address: [Address]

81-1

RECORDED - FILED
DATE: 1-12-80
BY: [Signature]
Submitted by: [Signature]
Address: [Address]

81-1

RECORDED - FILED
DATE: 1-12-80
BY: [Signature]
Submitted by: [Signature]
Address: [Address]

81-1

RECORDED - FILED
DATE: 1-12-80
BY: [Signature]
Submitted by: [Signature]
Address: [Address]

81-1

Christina
1-12-80
10:30
[Signature]
[Address]

81-1

Valdey
1-12-80
10:10
[Signature]
[Address]

Date of Survey	Beginning Feb, 1977	Ending Oct, 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. c/o 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. 9 N., R. 6 W., & T. 8 N., R. 6 W., F.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR			STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended	Name	Title	Approval Recommended	Name	Title	
	[Signature]	Chief, Division of Cadastral Survey Bureau of Land Management		[Signature]	Chief, Cadastral Survey	
Approved	Name	Title	Approved	Name	Title	
	[Signature]	Authorized Officer		[Signature]	Authorized Officer	
File No.					File No.	102-7

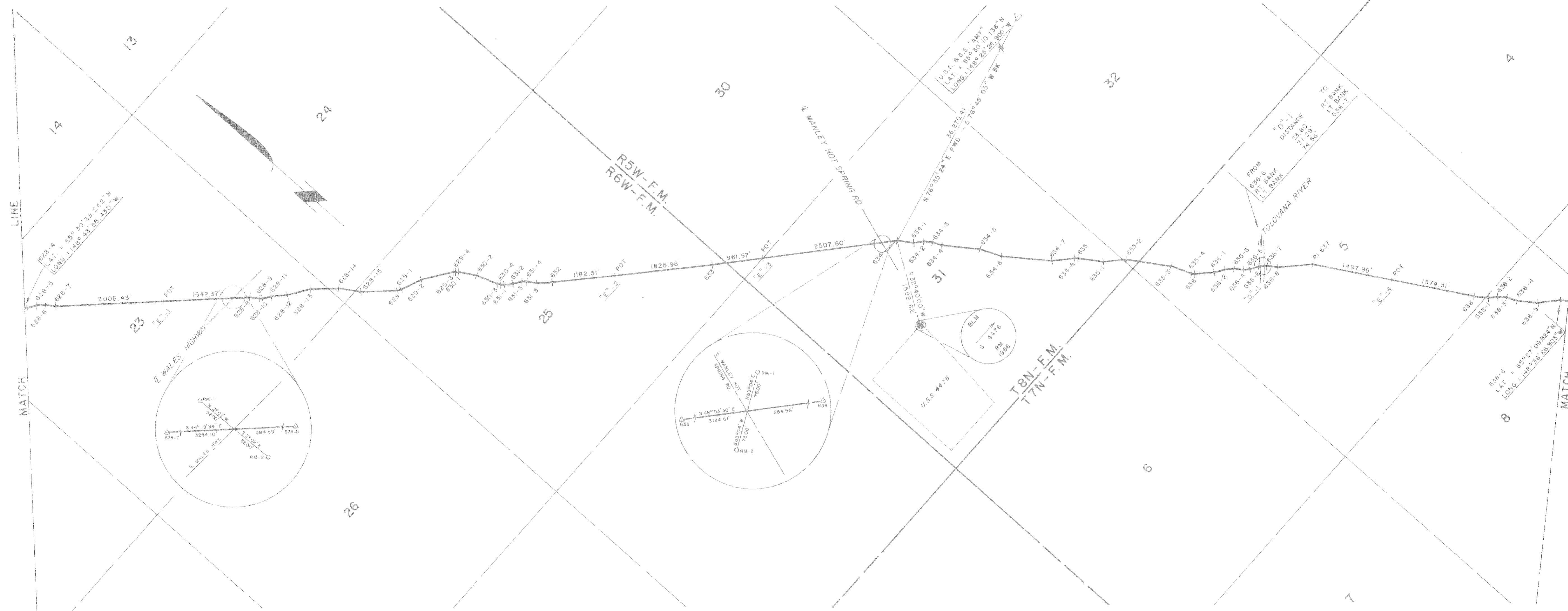
AL-00-GIOI SHEET 70 OF 143 ER-

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

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		RADIUS TANGENT L. CHORD		
628-3	S 44°19'45"E - 451.26'	628-11	S 44°18'57"E - 301.92'	629-3	S 47°58'58"E - 53.67'	631-3	S 44°18'22"E - 102.50'	634-3	S 23°38'59"E - 180.26'	635-2	S 33°56'06"E - 842.39'	636-5	S 58°30'49"E - 179.97'	638-3	S 23°27'47"E - 180.24'						
628-4	S 57°03'3"E - 177.13'	628-12	S 56°50'58"E - 418.97'	629-4	S 38°14'14"E - 53.12'	631-4	S 31°39'50"E - 176.93'	634-4	S 36°05'09"E - 712.19'	635-3	S 21°23'26"E - 419.89'	636-6	S 46°02'18"E - 169.64'	638-4	S 35°56'37"E - 408.68'						
628-5	S 44°20'25"E - 162.18'	628-13	S 44°18'40"E - 544.20'	630-1	S 31°22'50"E - 334.32'	631-5	S 44°29'55"E - 293.88'	634-5	S 25°37'44"E - 421.53'	635-4	S 34°20'15"E - 60.14'	636-7	S 33°41'45"E - 179.97'	638-5	S 48°25'21"E - 420.91'						
628-6	S 31°38'12"E - 177.77'	628-14	S 31°44'38"E - 417.19'	630-2	S 18°39'46"E - 412.95'	632	S 47°46'35"E - 3009.29'	634-6	S 36°08'07"E - 957.07'	636	S 46°04'17"E - 363.20'	636-8	S 46°05'22"E - 648.21'	638-6	S 35°55'40"E - 478.08'						
628-7	S 44°19'34"E - 3648.80'	628-15	S 44°19'18"E - 698.49'	630-3	S 31°21'40"E - 58.49'	633	S 48°53'30"E - 3489.18'	634-7	S 48°35'58"E - 420.17'	636-1	S 58°28'15"E - 180.10'	PI 637	S 47°77'09.84" - 177.97'	638-7	S 30°17'30"E - 3072.49'						
628-8	S 31°41'44"E - 177.70'	629	S 54°37'28"E - 57.79'	630-4	S 37°52'22"E - 58.84'	634	S 36°06'52"E - 311.90'	634-8	S 35°54'23"E - 59.78'	636-2	S 46°07'21"E - 188.66'	638-1	S 36°14'37"E - 266.39'								
628-9	S 44°18'05"E - 49.82'	629-1	S 67°19'08"E - 417.33'	631-1	S 44°19'08"E - 168.35'	634-1	S 48°38'35"E - 179.66'	635	S 33°57'39"E - 482.22'	636-3	S 35°33'49"E - 179.78'	638-2	S 48°26'35"E - 180.01'								
628-10	S 56°54'29"E - 179.08'	629-2	S 54°45'06"E - 621.40'	631-2	S 57°09'56"E - 176.56'	634-2	S 36°07'20"E - 164.22'	635-1	S 46°28'26"E - 420.44'	636-4	S 46°04'23"E - 112.69'	638-3	S 35°57'28"E - 171.61'								

PI - POINT OF INTERSECTION OF TANGENTS OF PIPELINE CENTERLINE CURVE

PIPELINE SCHEDULE - TRUE MEAN BEARINGS & DISTANCES



81-1
 RECOMMENDED - FILED
 Date: 1-11-80
 By: R.C. Davis
 Title: Chief, Division of Geodetic Survey
 Bureau of Land Management
 Anchorage, Alaska

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 RECOMMENDED - FILED
 Date: 1-11-80
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 Date: 1-11-80
 By: R.C. Davis
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 Bureau of Land Management
 Anchorage, Alaska

Date of Survey	Beginning Feb. 1977	Ending Oct., 1980	Name of Surveyor	OCEAN TECHNOLOGY LTD. DBA F.M. LINDSEY & ASSOC.	RICHARD C. DAVIS	Lic. No. 1637-S
Drawn by	A.D.A.	Approved	R.C.D.	Scale	1" = 1000'	
Description	A PORTION OF THE TRANS ALASKA PIPELINE WITHIN T.8N., R.6&5W., & T.7N., R.5W., F.M., ALASKA					
UNITED STATES DEPARTMENT OF THE INTERIOR	ALYESKA PIPELINE SERVICE CO., AGENT		STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES ANCHORAGE, ALASKA			
Approval Recommended	Name: <i>James J. Smith</i>		Approval Recommended		Name: <i>Richard C. Davis</i> 11/14/80	
Title	Chief, Division of Geodetic Survey, Bureau of Land Management		Title		Chief, Geodetic Survey	
Approved	Name: <i>Alan H. Kell</i>		Approved		Name: <i>Richard C. Davis</i>	
Title	Acting Authorized Officer		Title		Authorized Officer	
File No.	102-7		File No.		102-7	

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No.	DATE	REVISION	BY	CHKD	APP
Approval: <i>J.C. Harlan</i>					