LINE NO. TD-2K/K" DIR. 260 DEG. PARTY NO. 205 DATE 10/20 PAGE 12 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.32 2.33 3.41 4.44 5.42 6.32	730	4	2KPSI	30'	264	175

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
200			250		
01	1021	NC/MRC 0449	51		
02		WD 730 FA	52		
03			53	69	
04			54		
05	17		55		
06			56		
07			57	65	
08			58		
09	13		59		
10			60		
11			61	961	NC/MRC 0512
12			62		WD 742 FA
13	09		63		
14			64		
15			65	57	
16			66		
17	05		67		
18			68		
19			69	53	
20			70		
21	1001	NC/MRC 0457	71		
22		WD 710 FA	72		
23			73	49	
24			74		
25	997		75		
26			76		
27		EOR 1630 @ 0500	77	945	EOR 1631 @ 0518
28		SOR 1631 @	78		SOR 1632
29	93	SH 264 TBB 175	79		SH 263 TBB 176
30		DRIFT -001°	80		DRIFT -001
31			81	941	NC/MRC @ 0519
32			82		WD 751 FA
33	89		83		
34			84		
35			85	37	
36			86	936	LSP @ 0521
37	85		87		WD 760 FA
38			88		
39			89		
40			90		
41	981	NC/MRC @ 0509	91		
42		WD 725 FA	92		
43			93		
44			94		
45	77		95		
46			96		
47			97		
48		PG/SC	98		
49	73		99		

LINE NO. 12-2K/K" DIR. 260 DEG. PARTY NO. 705 DATE 10/20 PAGE 11 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.352 2.341 3.414 4.445 5.446 6.33	1090 FA	4	2KPSI	30'	263	180

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
100			150		
01	1121	NC/MR @ 0412	51		
02		WD 1090 FA	52		
03			53	69	
04			54		
05	17		55		
06			56		
07			57	65	
08			58		
09	13		59		
10			60		
11			61	1061	NC/MR @ 0434
12			62		WD 742 FA
13	09		63		
14			64		
15			65	57	
16			66		
17	05		67		
18			68		
19			69	53	
20			70		
21	1101	NC/MR @ 0419	71		
22		WD 900 FA	72		
23			73	49	
24		EOR 1628 @0420	74		EOR 1629 @ 0440
25	1097	SOR 1629 R/SC	75		SOR 1630
26		SH263 TBB 180	76		SH 262 TBB 180
27		DRIFT +003°	77	45	DRIFT -001
28			78		
29	93		79		
30			80		
31			81	1041	NC/MR @ 0442
32			82		WD 700 FA
33	89		83		
34			84		
35			85	37	
36			86		
37	85		87		
38			88		
39			89	33	
40			90		
41	1081	NC/MR @ 0427	91		
42		WD ~~576~~ 700 FA	92		
43			93	29	
44			94		
45	71		95		
46			96		
47			97	25	
48			98		
49	73		99		

LINE NO. TO2K'K" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 10 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.2.6.2.3.9.3.4.2.4.4.9.5.4.3.6.3.7	1630 Fath	4	2000 lbs	30'	264°	178°

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
00			50		
01	1221	NC/MR @ 0336	51		
02		WD - 1630 FAth	52		
03			53	1169	
04			54		2 SECOND DELAY
05	1217		55		
06			56		
07			57	1165	
08			58		
09	1213		59		
10			60		
11			61	1161	NC/MR @ 0357
12			62		SH - 264° TBD - 178°
13	1209		63		WD - 1305 FAth
14			64		DRIFT - 002°
15			65	1157	
16			66		
17	1205		67		
18			68		
19			69	1153	
20			70		
21	1201	NC/MR @ 0343	71		
22		SH 265 TBB - 178°	72		
23		WD 1570 FA Drift - 003°	73	1149	
24		EOR 1626 @ 0344	74		EOR 1627 @ 0402
25	1197	SOR 1627	75		SOR 1628
26			76		SH 268 TBB 175
27			77	1145	DRIFT +003
28			78		
29	1193		79		
30			80		
31			81	1141	NC/MR @ 0405
32			82		WD 1040 FA
33	1189		83		
34			84		
35			85	37	
36			86		
37	1185		87		
38			88		
39		PA - SC	89	33	
40			90		
41	1181	NC/MR @ 0350	91		
42		WD - 1375 FAth	92		
43			93	29	
44			94		
45	1177		95		
46		PA - SC	96		
47			97	25	
48			98		
49	1173		99		

LINE NO. TD-24K" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 29 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.352.403.424.435.42635	2450 fath	4	2000 lbs	30'	264°	181°

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
900	1321	NC/MR @ 0300	950		
01		SH - 264° TBB - 181°	51		
02		WD - 2450 fath	52	1269	
03		DRIFT - 005°	53		
04	1317		54		
05			55		
06			56	1265	
07			57		
08	1313		58		
09			59		PA-SC
10			60	1261	NC/MR @ 0321
11			61		WD - 1750 FATH
12	1309		62		
13			63		
14			64	1257	
15			65		
16	1305		66		
17			67		
18			68	1253	
19			69		
20	1301	NC/MR @ 0306	70		
21		WD - 1990 FATH	71		
22		PA-SC	72	1249	
23		EOR 1624 @ 0308	73		EOR 1625 @ 0326
24	1297	SOR 1625	74		SOR 1626
25			75		
26			76	1245	
27			77		
28	1293		78		
29			79		
30			80	1241	NC/MR @
31			81		SH - 264° TBB - 178°
32	1289		82		WD - 1650 FATH
33			83		DRIFT - 002°
34			84	1237	
35			85		
36	1285		86		
37			87		
38			88	1233	
39			89		
40	1281	NC/MR @ 0314	90		
41		SH - 264° TBB - 181°	91		
42		WD - 1970 FATH	92	1229	
43		DRIFT - 005°	93		
44	1277		94		
45			95		
46			96	1225	
47			97		
48	1273		98		
49			99		

LINE NO. TD-2K'k" DIR. 260 DEG. PARTY NO. 705 DATE 10-19 PAGE 08 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.372 2.40 3.41 4.42 5.42 6.38	2390 Fath	4	2000 lbs	30'	265°	180°

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
00	1421	EOR 1621 NC/MR @ 0224	50		
01		SOR 1622	51		
02		WD - 2390 FAth	52	1369	
03			53		
04	1417		54		
05			55		
06			56	1365	
07			57		
08	1413		58		
09			59		
10			60	1361	NC/MR @ 0245
11			61		SH - 265° TOB - 180°
12	1409		62		WD - 2450 FAth
13			63		DRIFT - 005°
14			64	1357	
15			65		
16	1405		66		
17			67		
18			68	1353	
19			69		
20	1401	NC/MR @ 0231	70		
21		SH - 265° TOB - 180°	71		
22		WD - 2190 DRIFT - 005°	72	1349	
23		EOR 1622 @ 0232	73		EOR 1623 @ 0250
24	1397	SOR 1623	74		SOR 1624
25			75		
26			76	1345	
27			77		
28	1393		78		
29			79		
30			80	1341	NC/MR @ 0252
31			81		WD - 2450 FAth
32	1389		82		
33			83		
34			84	1337	
35			85		
36	1385		86		
37			87		
38			88	1333	
39			89		
40	1381	NC/MR @ 0238	90		
41		WD - 2190 FAth	91		
42			92	1329	
43			93		
44	1377		94		
45			95		
46			96	1325	
47			97		
48	1373		98		
49			99		

LINE NO. TD-2K-K DIR. 260° DEG. PARTY NO. 705 DATE 10/19 PAGE 07 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.36 2.40 3.41 4.43 5.42 6.37	2460 Fath	4	2000 165	30'	265°	179°

FILE NO.	SP NO.	REMARKS.	FILE NO.	SP NO.	REMARKS
700	1521	EOR 1619 NC/MR @ 0150	750		EOR 1620 @ 0207
01		SOR 1620 SH 265°	51		SOR 1621
02		TBB - 179°	52	1469	
03		WD - 2460 Fath	53		
04	1517	DRIFT - 004°	54		
05			55		
06			56	1465	
07			57		
08	1513		58		
09			59		
10			60	1461	NC/MR @ 0211
11			61		WD - 2390 Fath
12	1509		62		
13			63		
14			64	1457	
15			65		
16	1505		66		
17			67		
18			68	1453	
19			69		
20	1501	NC/MR @ 0156	70		
21		WD - 2460 Fath	71		
22			72	1449	
23			73		
24	1497		74		
25			75		
26			76	1445	
27			77		
28	1493		78		
29			79		
30			80	1441	NC/MR @ 0217
31			81		SH 266° TBB - 180°
32	1489		82		WD - 2385 Fath
33			83		DRIFT - 006°
34			84	1437	
35			85		
36	1485		86		
37			87		
38			88	1433	
39			89		
40	1481	NC/MR @ 0203	90		
41		SH - 266° TBB - 178°	91		
42		WD - 2400 Fath	92	1429	
43		DRIFT - 004°	93		
44	1477		94		
45			95		
46			96	1425	
47			97		
48	1473		98		
49			99		

LINE NO. TD2K'A" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 06 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.352.403.414.455.42635	2630 Fath	4	2000 lbs	30'	264°	180°

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
600	1621	EOR 1617 NC/MR @ 0115	650		EOR 1618 @ 0132
01		SOR 1618 WD - 2630 Fa	51		SOR 1619
02			52	1569	
03			53		
04	1617		54		
05			55		
06			56	1565	
07			57		
08	1613		58		
09			59		
10			60	1561	NC/MR @ 0136
11			61		SH- 266° TBB - 177°
12	1609		62		WD- 2545 Fath
13			63		Drift - 003°
14			64	1557	
15			65		
16	1605		66		
17			67		
18			68	1553	
19			69		
20	1601	NC/MR @ 0122	70		
21		SH. 264° TBB - 179°	71		
22		WD: 2630 Fath	72	1549	
23		Drift - 003°	73		
24	1597		74		
25			75		
26			76	1545	
27			77		
28	1593		78		
29			79		
30			80	1541	NC/MR @ 0143
31			81		WD - 2545 Fath
32	1589		82		
33			83		
34			84	1537	
35			85		
36	1585		86		
37			87		
38			88	1533	
39			89		
40	1581	NC/MR @ 0128	90		
41		WD - 2550 Fath	91		
42			92	1529	
43			93		
44	1577		94		
45			95		
46			96	1525	
47			97		
48	1573		98		
49			99		

LINE NO. TD2KK" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 05 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.3 2.4 3.4 1 4.4 3 5.4 2 6.3 7	2630 Fath	4	2000 lbs	30'	263°	180°

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
500	1721	SOR 1616 NC/MR @ 0040	550		EOR 1616 @ 0057
01		WD - 2630 Fath	51		SOR 1617
02			52	1669	
03			53		
04	1717		54		
05			55		
06			56	1665	
07			57		
08	1713		58		
09		PA-SC	59		
10			60	1661	NC/MR @ 0101
11			61		WD - 2631 Fath
12	1709		62		
13			63		
14			64	1657	
15			65		
16	1705		66		
17			67		
18			68	1653	
19			69		
20	1701	NC/MR @ 0046	70		
21		WD - 2630 Fath	71		
22			72	1649	
23			73		
24	1697		74		
25			75		
26			76	1645	
27			77		
28	1693		78		
29			79		
30	1691	LAST "A" shot @ 0050	80	1641	NC/MR @ 0108
31			81		SH - 264° TOB - 180°
32	1689		82		WD - 2631 Fath
33			83		Drift - 004°
34			84	1637	
35			85		
36	1685		86		
37			87		
38			88	1633	
39			89		
40	1681	NC/MR @ 0053	90		
41		SH - 262° TOB - 179°	91		
42		WD - 2630 Fath	92	1629	
43		DRIFT - 001°	93		
44	1677		94		
45			95		
46			96	1625	
47			97		
48	1673		98		
49			99		

LINE NO. TD-2K'K" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 04 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.36 2.41 3.44 4.45 5.44 6.35	2630FA	4	2KPSI	30'	269	175

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
300	1793	EOR 1612 @ 2052	50		EOR 1613 @ 2110
01		SOR 1613	51		SOR 1614
02			52	1741	MR @ 2110
03			53		Lost 3 S.P. Due to
04	89		54		TRANSPORT MAL -
05			55		FUNCTION
06			56		
07			57	36	EOR 1614
08	85		58	1732	SOR 1615 @ 2114
09			59		
10			60		
11			61	29	
12	1781	NC/MR @ 2056	62		
13		WD 2622	63		
14			64		
15			65	25	
16	77		66		
17			67		
18			68		
19			69	1721	NC/MR @ 2117
20	73		70		
21			71		
22			72		
23			73	17	
24	69		74		
25			75		
26			76		
27			77	13	
28	65		78		
29			79		
30			80		
31			81	09	
32	1761	NC/MR @ 2103	82		
33		WD 2623	83		
34			84		
35			85	05	
36	57		86		
37			87		
38			88		
39			89	01	NC/MR @ 2125
40	53		90	1600	
41			91		
42			92		
43			93	97	
44	49		94		
45			95		
46			96		
47			97	93	
48	45		98		
49			99	1690	Had to go off line @ 2129

LINE NO. TD-2K'K" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 03 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.36 2.41 3.44 4.45 5.44 6.35	2625 FA	4	2KPSI	30'	269	171

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
200	95	EOR 1610 @ 2016	50		EOR 1611 @ 2034
01		SOR 1611 PESC	51		SOR 1612
02			52	18 41	MR @ 2034
03			53		
04	89		54		
05			55		
06			56	37	
07			57		
08	85		58		
09			59		
10			60	33	
11			61		
12	18 81	MR @ 2020	62		
13			63		
14			64	29	
15			65		
16	77		66		
17			67		
18			68	25	
19			69		
20	73		70		
21			71		
22			72	21	MR @ 2042
23			73		
24	69		74		
25			75		
26			76	17	
27			77		
28	65		78		
29			79		
30			80	13	
31			81		
32	18 61	MR @ 2027	82		
33		WD 2628	83		
34			84	09	
35			85		
36	57		86		
37			87		
38			88	05	
39			89		
40	53		90		
41			91		
42			92	01	MR @ 2048
43			93	1800	WD 2630
44	49		94		
45			95		
46			96	17 97	
47			97		
48	45		98		
49			99		

LINE NO. 1D-2K'K" DIR. 260 DEG. PARTY NO. 205 DATE 8/19 PAGE 02 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.32 2.40 3.41 4.44 5.44 6.35	2620 FA	4	2KPSI	30'	262	179

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
00	93	EOR 1608 @ 1941	50		EOR 1609 @ 1958
01		SOR 1609 PE/SC	51		SOR 1610 PE/SC
02		SH262 TBB179 PE/SC	52	1941	NC/MR @ 1959
03	90	DRIFT +001	53		SH262 TBB174
04	89		54		DRIFT -004
05			55		WD 2622 FA
06			56	37	
07			57		
08	85		58		
09			59		
10			60	33	
11			61		
12	A 81	NC/MR @ 1944	62		
13		WD 2620 FA	63		
14			64	29	
15			65		
16	77		66		
17			67		
18			68	25	
19			69		
20	73		70		
21			71		
22			72	1921	NC/MR @ 2005
23			73		WD2623 FA
24	67		74		
25			75		
26			76	17	
27			77		
28	65		78		
29			79		
30			80	13	
31			81		
32	1961	NC/MR @ 1951	82		
33		WD 2623 FA	83		
34			84	09	
35			85		
36	57		86		
37			87		
38			88	05	
39			89		
40	53		90		
41			91		
42			92	1901	NC/MR @ 2012
43			93		WD 2625 FA
44	49		94		
45			95		
46			96	1897	
47			97		
48	45		98		
49			99		

LINE NO. TD-2K'K" DIR. 260 DEG. PARTY NO. 705 DATE 10/19 PAGE 01 8077A

CABLE DEPTH	WATER DEPTH	NO. GUNS	GUN PRES.	GUN DEPTH	SHIPS HEAD	TAIL BOUY
1.42 2.41 3.42 4.44 5.42 6.34	2608 FA	4	2KPSI	30'	264	175

FILE NO.	SP NO.	REMARKS	FILE NO.	SP NO.	REMARKS
00			50		EOR 1607 @ 1921
01	2096	FSP @ 1906	51	2042	SOR 1608
02		SOR 1607	52	4145	NC/MR @ 1924
03		SH 264 TBB 175	53		SH 264 TBB 177
04	93	DR. FT-001	54		DR. FT-001
05			55	38	
06			56	~~2041~~	~~NC/MR @~~
07			57	36	
08	89		58		
09			59		
10			60	33	
11			61		
12	85		62		
13			63		
14			64	29	
15			65		
16	2081	NC/MR @ 1911	66		
17		WD 2606 FA	67		
18			68	25	
19			69		
20	77		70		
21			71		
22			72	2021	NC/MR @ 1931
23			73		MR WD 2615 FA
24	73		74		
25			75		
26			76	17	
27			77		
28	69		78		
29			79		
30			80	13	
31			81		
32	65		82		
33			83		
34			84	09	
35			85		
36	2061	NC/MR @ 1917	86		
37		WD 2605	87		
38			88	05	
39			89		
40	57		90		
41			91		
42			92	2001	NC/MR @ 1937
43			93		WD 2620 FA
44	53		94		
45			95		
46			96	1997	
47			97		
48	49		98		
49			99		

U. S. G. S. CONTRACT NO. 14-08-0001-16209

TELEDYNE EXPLORATION

8077

OBSERVER'S DAILY REPORT

JD 292

PARTY NO. 705 SYSTEM TYPE DFS IV DATE 10/19/77 293

CLIENT USGS PRIME NAVIGATION 1 SATNAV/LORANC

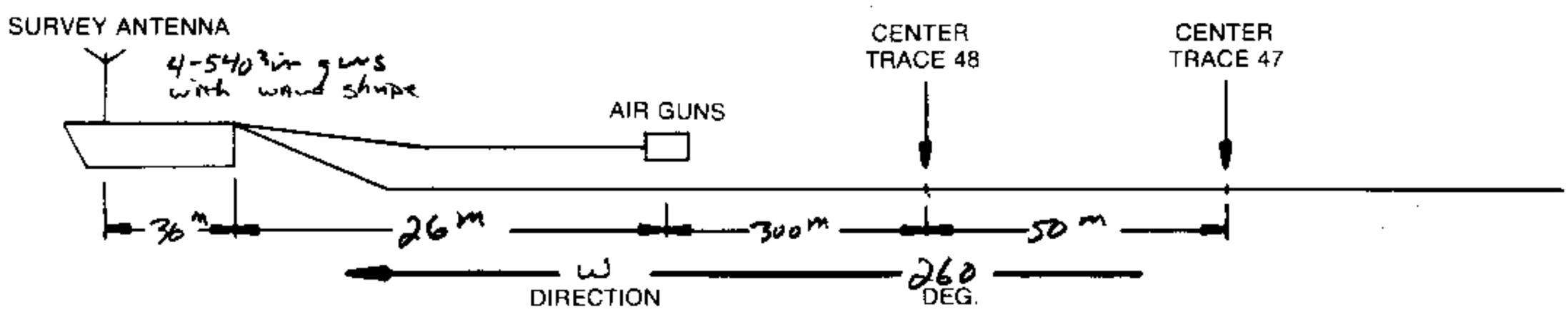
LINE NO. TD-2K'K" DIR. 260 DEG. CABLE TYPE TEC 48 Trace

PROSPECT EAST COAST-USA TRACE INT 48-25=50m / 24-1=100m

LOCATION South Area SHOT INT. 50m

SAMPLE RATE 2 MS. BPI 1600 WEATHER B-2

RECORD LENGTH 12 SEC. OBSERVER Postten/McQueen



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
36+6	8/out	124	IFP	auto	out	36	30	ACG

~~DECK NO.~~	~~REEL NO.~~	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
GMT	SP#	292	000250	260						
		NOTES:								
1906	2096	F.S.P.								
1924	2047	: TRANSPONT MALFUNCTION LOST SP#: 2046, 2045, 2044, 2043								
2114		Lost 3 S.P. due to TXP malfunction 1735, 1734, 1733								
2129	1690	Starting off line due to ship in Area (CIRCLE)								
0040	1721-A	293 000250 260 RESUME LINE								
0050	1691-A	LAST 'A' SHOT								
0326	1247	FILE 074 3 SECOND DELAY								
0355	1168	2 SECOND DELAY								
0416	1110	1 SECOND DELAY								
0521	936	LSP								
		-LINE COMPLETE-								

U. S. G. S. CONTRACT NO. 14-08-0001-16209

RECEIVED NOV 04 1977

TELEDYNE EXPLORATION

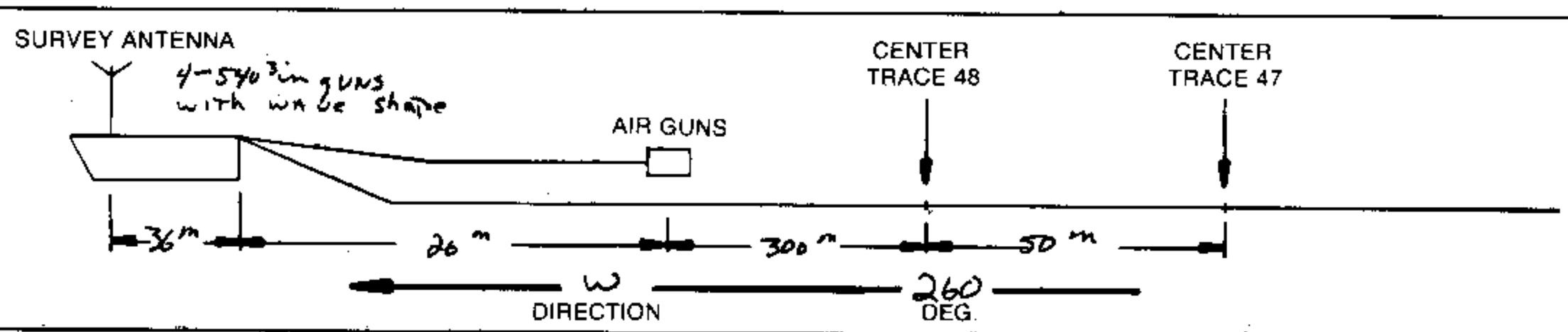
OBSERVER'S DAILY REPORT

T. X. CO. HOUSTON 292

PARTY NO. 705 SYSTEM TYPE DFS IV DATE 10/19/77

CLIENT USGS
LINE NO. TD 2K'K" DIR. 260 DEG.
PROSPECT EAST COAST - USA
LOCATION South Area
SAMPLE RATE 2 MS. BPI 1600
RECORD LENGTH 12 SEC.

PRIME NAVIGATION SATNAV/LORAN "C"
CABLE TYPE TEC 48 TRACE
TRACE INT 48 - 25 = 50m / 24 - 1 = 100m
SHOT INT. 50 M
WEATHER B-2
OBSERVER Postten / McQueen



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
36+6	8/out	124	IFP	Auto	out	36	30	AGC

DECK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	TO	SP NO. FROM	TO	TIME START	FINISH
2	1607	292	000240	260	001	050	2096	2047	1906	1921
1	1608				051	100	2042	1993	1924	1941
2	1609				101	150	1992	1943	1941	1958
1	1610				151	200	1942	1893	1958	2016
2	1611				201	250	1892	1843	2016	2034
1	1612				251	300	1842	1793	2034	2052
2	1613				301	350	1792	1743	2052	2110
1	1614				351	358	1742	1736	2110	2114
2	1615				358	400	1732	1690	2114	2129
		293	000240	260	CIRCLE	FOR	SHIP			
1	1616				500	550	1721	1671	0040	0057
2	1617				551	600	1670	1621	0057	0115
1	1618				601	650	1620	1571	0115	0132
2	1619				651	700	1570	1521	0132	0150
1	1620				701	750	1520	1471	0150	0207
2	1621				751	800	1470	1421	0207	0224
1	1622				801	823	1420	1398	0224	0232
2	1623				824	873	1397	1348	0232	0250
1	1624				874	923	1347	1298	0250	0308
2	1625				924	973	1297	1248	0308	0326
1	1626				974	024	1247	1198	0326	0344
2	1627				025	074	1197	1148	0344	~~035~~ 0402
1	1628				075	124	1147	1098	0402	0420
2	1629				125	174	1097	1048	0420	0440
1	1630				175	227	1047	995	0440	0500
2	1631				228	277	994	945	0500	0518
1	1632				278	286	944	936	0518	0521 OK