PRUDHOE BAY SPEC
LINE SP-77-25
S.P. 1 - 1711
MIGRATED STACK

CDP 3420		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
176	4800	5572
405	5251	6454
701	5790	7263
1101	6365	8360
1505	6957	9624
2004	7708	11327
2807	8895	13469
3706	10195	14683
5016	11537	16514
6000	12490	

CDP 3300		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
221	4800	5972
398	5353	6135
699	5703	6963
1089	6184	7935
1496	6706	8948
1990	7327	10474
2795	8356	12136
3699	9421	13962
4994	10784	15562
6000	11722	

CDP 3180		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
253	4800	5863
503	5355	6707
806	5900	7460
1104	6359	8045
1498	6843	9295
2000	7534	10641
2773	8515	12246
3701	9588	15076
4998	11272	17378
6000	12501	

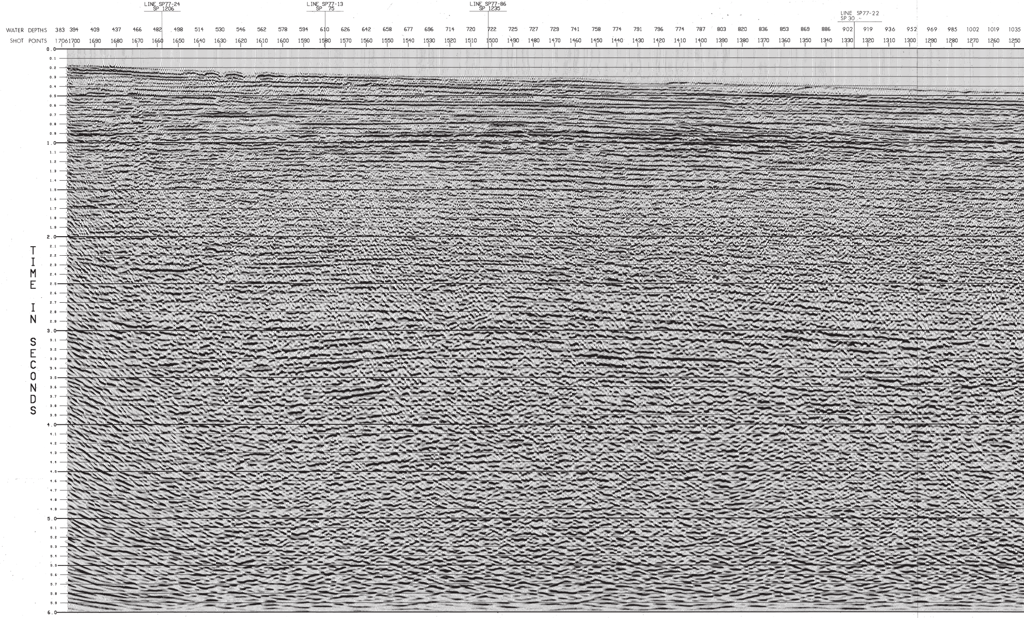
CDP 3060		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
308	4800	5798
513	5222	6709
806	5807	7085
1105	6179	7998
1504	6710	8994
2002	7345	10573
2805	8397	12587
3702	9582	14296
5012	11011	16247
6000	12031	

CDP 2940		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
312	4800	5472
503	5066	6110
704	5385	6562
1005	5763	7454
1405	6291	8813
2005	7140	10448
2811	8226	12305
3720	9388	13942
5013	10749	15924
6000	11758	

CDP 2820		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
341	4800	5420
511	5015	6050
715	5331	6499
1011	5698	7289
1411	6191	8432
2006	6932	10038
2810	7946	11911
3717	9075	13913
5008	10537	15476
6000	11501	

CDP 2700		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
380	4800	5343
603	5008	6097
798	5295	6401
1102	5622	7452
1496	6157	8400
1994	6787	9924
2802	7822	12114
3698	9051	13727
5000	10472	15592
6000	11485	

CDP 2580		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
410	4800	5354
598	4981	6044
801	5271	6498
1102	5633	7301
1494	6115	8235
1993	6709	9512
2798	7622	11136
3691	8605	12869
4995	9897	14634
6000	10836	



CDP 2460		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
442	4800	4799
602	4902	5173
797	5197	6017
1096	5591	6526
1500	6075	7226
1993	6673	8229
2796	7640	9629
3696	8724	11454
4999	10175	13465
6000	11218	15403

CDP 2340		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
471	4800	4799
600	4889	5201
791	5108	5741
1095	5519	6467
1496	6142	7586
1999	6806	8478
2796	7699	9579
3694	8813	11616
4996	10425	14023
6000	11593	16197

CDP 2220		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
490	4800	4799
694	4999	5447
899	5233	5957
1200	5566	6459
1604	6214	7828
2003	6846	8947
2799	7876	10009
3707	8945	11638
5000	10300	13448
6000	11219	14991

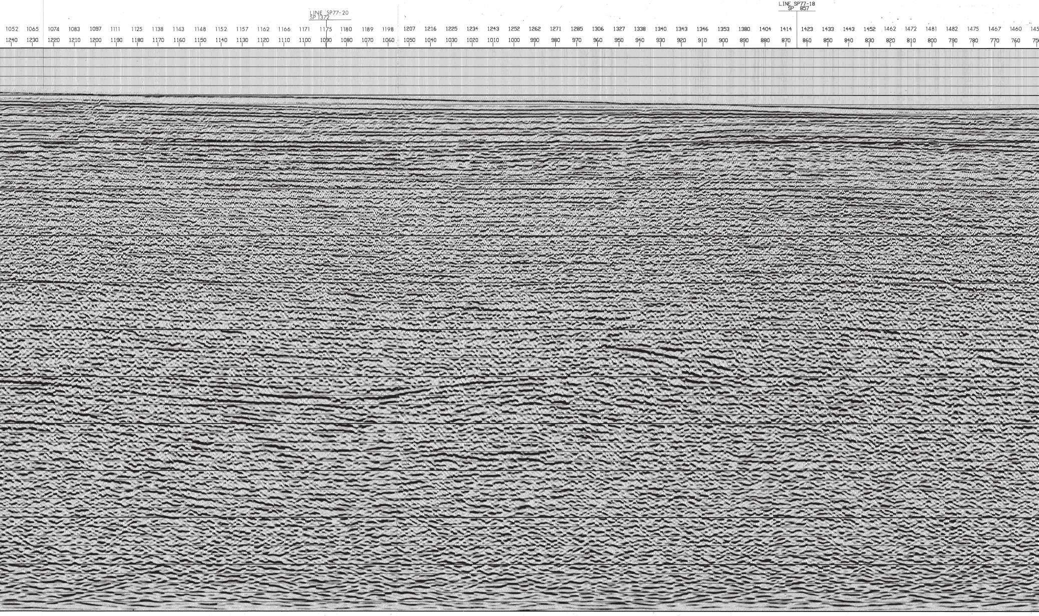
CDP 2100		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
494	4800	4799
693	4870	5039
898	5116	5871
1196	5474	6433
1591	6015	7416
1998	6504	8138
2795	7521	9608
3700	8679	11543
5001	10359	14080
6000	11658	16705

CDP 1980		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
531	4800	4799
694	4931	5335
902	5135	5763
1194	5521	6571
1605	6030	7310
2000	6533	8267
2809	7563	9648
3713	8736	11650
5008	10353	13988
6000	11445	15847

CDP 1860		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
549	4800	4799
664	4699	4183
899	5134	6200
1189	5499	6501
1594	5927	7034
1997	6356	7825
2807	7235	9044
3699	8198	10675
5002	9806	13354
6000	10928	15362

CDP 1740		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
596	4800	4799
792	4878	5107
1098	5174	5871
1387	5424	6283
1689	5708	6863
1999	6042	7608
2798	6916	8727
3704	8018	10729
5001	9577	13040
6000	10860	15786

CDP 1620		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	
610	4800	4799
798	4940	5369
1092	5213	5890
1395	5539	6581
1688	5851	7152
1992	6181	7762
2796	7088	8947
3600	8071	10814
4996	9803	13263
6000	11103	16078



CDP 1500		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
596	4800	4593
761	4756	5895
998	5050	6351
1298	5379	7205
1695	5858	7928
2095	6306	9345
2900	7278	11052
3690	8233	13751
4995	9974	16470
6000	11325	

CDP 1380		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
604	4800	5436
804	4966	5994
1109	5269	6372
1387	5508	7412
1695	5900	8078
2104	6382	9389
2896	7328	11282
3702	8350	13239
5039	9886	15946
6000	11082	

CDP 1260		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
605	4800	5408
793	4951	5958
1102	5253	6619
1405	5576	7048
1701	5859	8174
2149	6411	9585
2996	7447	11284
3803	8409	13969
5046	10068	16524
6000	11343	

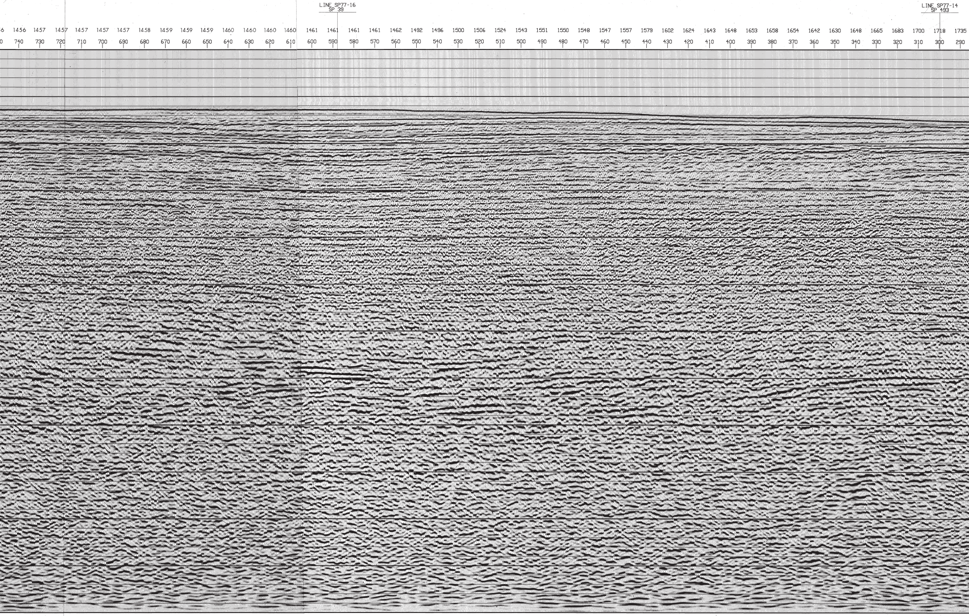
CDP 1140		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
618	4800	5422
903	5005	5969
1203	5262	6861
1501	5616	7603
1800	5992	8118
2131	6369	9597
2992	7443	11517
3797	8472	13683
5050	10021	15912
6000	11163	

CDP 1020		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
645	4800	5519
896	5012	5938
1198	5261	7062
1503	5673	7697
1806	6060	8374
2157	6493	9782
3003	7566	11618
3805	8581	13744
5058	10109	16039
6000	11249	

CDP 900		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
666	4800	5391
895	4958	6032
1197	5250	6533
1494	5529	7180
1805	5847	8249
2139	6283	9339
2997	7290	11326
3800	8308	13499
5052	9853	15745
6000	10996	

CDP 780		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
692	4800	5314
903	4925	5981
1198	5205	6599
1496	5511	7338
1797	5857	7930
2139	6235	9424
3008	7301	11336
3807	8312	13789
5110	9998	15550
6000	11000	

CDP 660		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
699	4800	5418
1004	4996	6202
1296	5292	7058
1601	5671	7583
1906	6018	8228
2201	6359	9341
2995	7270	11020
3798	8207	13977
5100	10002	16818
6000	11290	



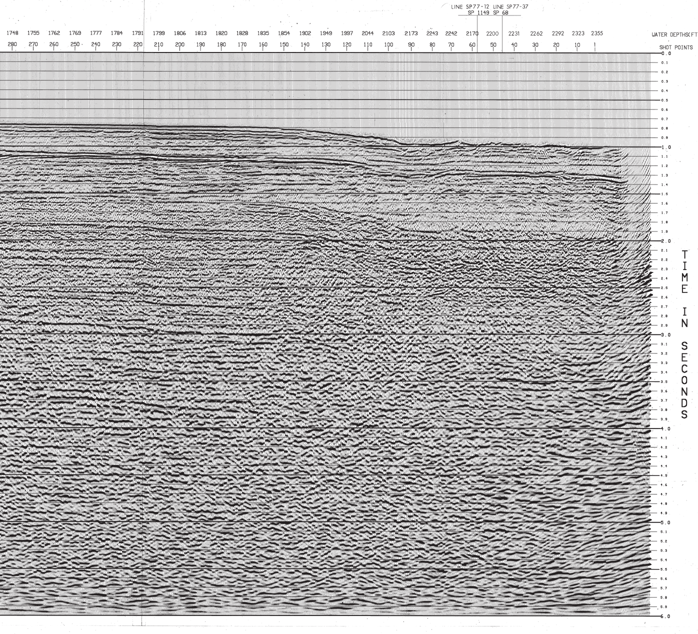
CDP 540		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
739	4800	5438
1007	4978	6092
1303	5252	6592
1602	5527	6892
1902	5764	8143
2299	6240	9153
3105	7112	10985
3903	8057	13805
5159	9773	17185
6000	11114	

CDP 420		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
753	4800	5316
902	4889	5725
1197	5108	6515
1494	5417	7271
1899	5862	8141
2299	6318	9351
3099	7224	10844
3898	8099	13217
5143	9592	15187
6000	10574	

CDP 300		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
823	4800	5472
997	4924	5711
1301	5119	6816
1607	5483	7302
2001	5886	8199
2405	6334	9241
3209	7174	10640
4008	7986	12491
5162	9187	14863
6000	10172	

CDP 180		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
910	4800	5221
1102	4876	6424
1401	5245	7180
1704	5638	7965
1997	6036	8759
2405	6578	10185
3202	7637	11780
4003	8627	13424
5199	9938	15221
6000	10794	

CDP 1		
TIME MSEC	R.M.S. VEL. FT/SEC	INTER. VEL. FT/SEC
0	4800	4799
977	4800	4909
1107	4813	6546
1407	5231	7266
1704	5639	8049
2009	6067	8952
2451	6680	10466
3303	7834	12367
4103	8901	14483
5251	10381	15915
6000	11222	



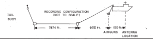
MIGRATION
GSI SPEC SURVEY 1977
PRUDHOE BAY

SP 1-1706 LINE SP-77-25

DIRECTION NE

FIELD RECORDING DATA

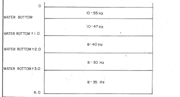
SHOT BY M.V. MARINER	DATE SHOT AUGUST - SEPTEMBER, 1977
RECORDING SYSTEM DFS IV-21 TR.	SAMPLE RATE 4 ms.
RECORD LENGTH 6.0 sec.	SURVEY SYSTEM XR SHORAN IV
RECORDING FILTER 8 - 62 Hz	SECONDARY SYSTEM
ENERGY SOURCE 900 cu. in.	TUNED AIRGUN ARRAY
AIR PRESSURE 1750 - 1950 psi.	GUN DEPTH 11 ft.
SPREAD LENGTH 7874 ft.	GROUP INTERVAL 164 ft.
SHOT POINT INTERVAL 164 ft.	POP INTERVAL 164 ft.
MULTIPLICITY 24 FOLD	CABLE DEPTH 20 - 40 ft.
GEOPHONE TYPE TI ACH FLAT-PAC & BARREL	
GEOPHONES PER GROUP 30	GEOPHONE SPACING 4 ft.

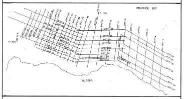


DIGITAL PROCESSING

1 TRUE AMPLITUDE RECOVERY: SLOPE 6 db / sec.
2 VELOCITY FILTER: POSITIVE DIP 18 ms./tr.
NEGATIVE DIP 7 ms./tr.
3 DESIGNATURE
4 CDP GATHER: 24 FOLD
5 TIME VARIANT SCALING: 2000 ms. GATES WITH 200 ms. OVERLAP
6 VELOCITY ANALYSIS: VELSCAN
7 NORMAL MOVEOUT CORRECTION
8 TRACE MUTING
9 CDP STACK: 24 FOLD
10 DECONVOLUTION: 2-200 ms. OPERATORS; 32 ms. GAP
11 TIME VARIANT FILTER: SEE BELOW
12 TIME VARIANT SCALING: 8 GATES
13 DIP FILTER
14 MIGRATION STACK V

SPACE AND TIME VARIANT FILTER





DISPLAY DATA

FILTER OUT / OUT POLARITY NORMAL

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PARTY 6402 A
PROJECT NO. 130608

DATE MAY 1980

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CALGARY ALBERTA

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