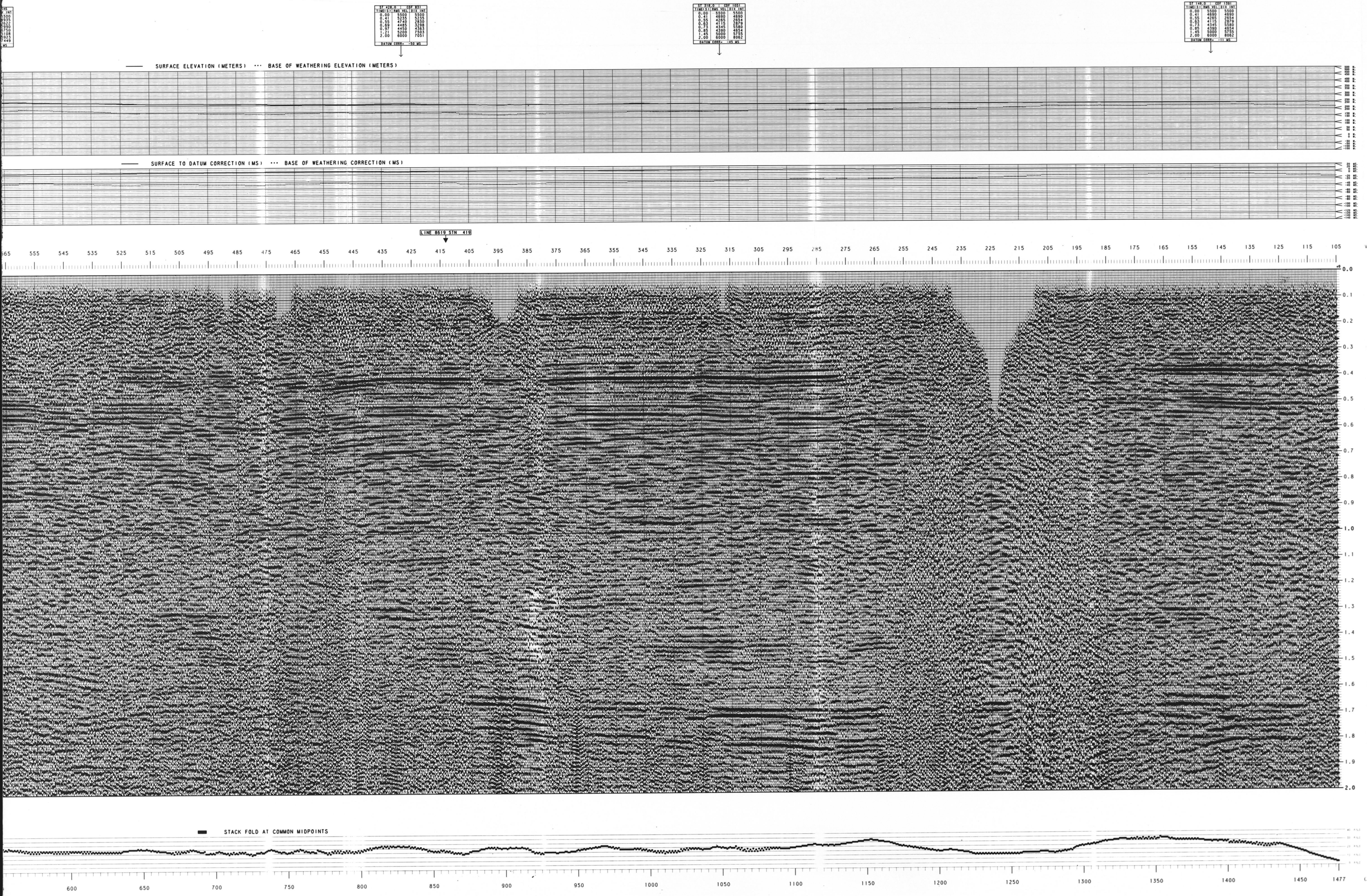




9229-P28-12E

LINE 8634
V.P. 843-101
STRUCTURAL STACK
(DYNAMITE REFRACTION)
NORMAL POLARITY
EAST

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

AREA: NORTH TWEED, N.W.T.

SURVEY DATE: JANUARY 1986
PROCESSING DATE: MAY 1986
RECORDED BY: WESTERN GEOPHYSICAL CO. LTD.
REPLACEMENT VELOCITY: 6000 M/SEC
DATUM ELEVATION: 305 METERS

RECORDING INFORMATION

SOURCE:
ENERGY SOURCE: VIBROSEIS
VIBRATION MODEL: LRS-308
SHEEP FREQUENCY: 20-100 HZ LINEAR
SHEEP LENGTH: 6 SEC
NUMBER OF SHEEPS: 6
ORIG LENGTH: 40 M
SOURCE TO FIRST RECEIVER: 80 M
VIB. POINT INTERVAL: 40 M
GROUPS DROPPED IN GRP: 7

INSTRUMENTS:
AMPLIFIER: QFS V
FILTER: OUT-128 HZ
SAMPLING INTERVAL: 2 MS
RECORD LENGTH: 9 SEC
60 HZ NOTCH FILTER: OUT
TIME FORMAT: SEC-B

RECEIVERS:
GEOPHONE TYPE: LRS-1011 14 HZ
GEOPHONES PER GROUP: 9 OVER 20 M
GROUPS RECORDED: 96
GROUP INTERVAL: 20 M
PERCENT COVERAGE: 2400 %

SPREAD GEOMETRY:

SOURCE: 1 48 45 80
TRACE: 1020 M 80 M 80 M 1020 M

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL 2 MS.

1. DEMULTIPLY:
VIBROSEIS CORRELATION
PROCESSED TO 3.0 SECONDS
2. TRACE EDIT:
STUDIAL QC OF EVERY RECORD
3. GEOMETRY COMPUTATIONS:
ELEVATIONS AND DISTANCES
4. 60 HZ NOTCH FILTER
5. P-K DOMAIN FILTER:
ATTENUATE DIPS OF
5 - 12.5 DEGS
6. PHASE COMPENSATION:
LRS-1011 14 HZ GEOPHONES
7. AMPLITUDE COMPENSATION:
TIME FUNCTION EXPERIMENTAL VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION:
NO. OF WINDOWS: 1
NEAR TRACE START TIME: 200 MS
START TIME VELOCITY: 6000 M/SEC
WINDOW LENGTH: 1000 MS
PERCENT PRE-WHITENING: 0.1 %
9. PREDICTIVE DECONVOLUTION:
TYPE: WINDOW PHASE INVERSE FILTER
NO. OF WINDOWS: 1
NEAR TRACE START TIME: 200 MS
START TIME VELOCITY: 6000 M/SEC
WINDOW LENGTH: 1000 MS
WINDOW PREDICTION DISTANCE: 20 MS
OPERATOR LENGTH: 100 MS
PERCENT PRE-WHITENING: 0.1 %
10. C.D.P. SORT
11. STATIC COMPUTATIONS:
DYNAMITE REFRACTION RECORDS
INTERPRESED BY STATION L.D.
12. AUTOMATIC STATICS (MUSEP):
WINDOW: 250 - 1000 MS
GAIN: 1000
13. VELOCITY ANALYSIS (VELAMP):
DISTANCE: METERS TIME (MS):
100 0
200 150
400 300
600 450
800 600
1000 750
14. NORMAL MOVEOUT CORRECTION
15. MUTE PATTERN:
DISTANCE: METERS TIME (MS):
100 0
200 150
400 300
600 450
800 600
1000 750
16. STACK:
LRS-308 EQUAL WEIGHTS
WITH CDP CORRELATION TRIM STATICS
17. TIME VARIANT FILTER:
TIME (MS) FILTER APPLIED
0-1000 10-50 HZ 18/48 DB/OCTAVE
1000-2000 10-50 HZ 18/48 DB/OCTAVE
18. REFLECTION STRENGTH GAIN:
MAXIMUM STAND OUT AFTER GAIN: 2.0
19. RMS GAIN:
100/000 MS WINDOWS

DISPLAY PARAMETERS

HORIZONTAL SCALE: 24 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND
PLOTING GAIN: 12 DB

TIME (S)	NO.	STATION
0.00	1	100
0.05	2	110
0.10	3	120
0.15	4	130
0.20	5	140
0.25	6	150
0.30	7	160
0.35	8	170
0.40	9	180
0.45	10	190
0.50	11	200
0.55	12	210
0.60	13	220
0.65	14	230
0.70	15	240
0.75	16	250
0.80	17	260
0.85	18	270
0.90	19	280
0.95	20	290
1.00	21	300
1.05	22	310
1.10	23	320
1.15	24	330
1.20	25	340
1.25	26	350
1.30	27	360
1.35	28	370
1.40	29	380
1.45	30	390
1.50	31	400
1.55	32	410
1.60	33	420
1.65	34	430
1.70	35	440
1.75	36	450
1.80	37	460
1.85	38	470
1.90	39	480
1.95	40	490
2.00	41	500
2.05	42	510
2.10	43	520
2.15	44	530
2.20	45	540
2.25	46	550
2.30	47	560
2.35	48	570
2.40	49	580
2.45	50	590
2.50	51	600
2.55	52	610
2.60	53	620
2.65	54	630
2.70	55	640
2.75	56	650
2.80	57	660
2.85	58	670
2.90	59	680
2.95	60	690
3.00	61	700
3.05	62	710
3.10	63	720
3.15	64	730
3.20	65	740
3.25	66	750
3.30	67	760
3.35	68	770
3.40	69	780
3.45	70	790
3.50	71	800
3.55	72	810
3.60	73	820
3.65	74	830
3.70	75	840
3.75	76	850
3.80	77	860
3.85	78	870
3.90	79	880
3.95	80	890
4.00	81	900
4.05	82	910
4.10	83	920
4.15	84	930
4.20	85	940
4.25	86	950
4.30	87	960
4.35	88	970
4.40	89	980
4.45	90	990
4.50	91	1000
4.55	92	1010
4.60	93	1020
4.65	94	1030
4.70	95	1040
4.75	96	1050
4.80	97	1060
4.85	98	1070
4.90	99	1080
4.95	100	1090
5.00	101	1100
5.05	102	1110
5.10	103	1120
5.15	104	1130
5.20	105	1140
5.25	106	1150
5.30	107	1160
5.35	108	1170
5.40	109	1180
5.45	110	1190
5.50	111	1200
5.55	112	1210
5.60	113	1220
5.65	114	1230
5.70	115	1240
5.75	116	1250
5.80	117	1260
5.85	118	1270
5.90	119	1280
5.95	120	1290
6.00	121	1300
6.05	122	1310
6.10	123	1320
6.15	124	1330
6.20	125	1340
6.25	126	1350
6.30	127	1360
6.35	128	1370
6.40	129	1380
6.45	130	1390
6.50	131	1400
6.55	132	1410
6.60	133	1420
6.65	134	1430
6.70	135	1440
6.75	136	1450
6.80	137	1460
6.85	138	1470
6.90	139	1480
6.95	140	1490
7.00	141	1500
7.05	142	1510
7.10	143	1520
7.15	144	1530
7.20	145	1540
7.25	146	1550
7.30	147	1560
7.35	148	1570
7.40	149	1580
7.45	150	1590
7.50	151	1600
7.55	152	1610
7.60	153	1620
7.65	154	1630
7.70	155	1640
7.75	156	1650
7.80	157	1660
7.85	158	1670
7.90	159	1680
7.95	160	1690
8.00	161	1700
8.05	162	1710
8.10	163	1720
8.15	164	1730
8.20	165	1740
8.25	166	1750
8.30	167	1760
8.35	168	1770
8.40	169	1780
8.45	170	1790
8.50	171	1800
8.55	172	1810
8.60	173	1820
8.65	174	1830
8.70	175	1840
8.75	176	1850
8.80	177	1860
8.85	178	1870
8.90	179	1880
8.95	180	1890
9.00	181	1900
9.05	182	1910
9.10	183	1920
9.15	184	1930
9.20	185	1940
9.25	186	1950
9.30	187	1960
9.35	188	1970
9.40	189	1980
9.45	190	1990
9.50	191	2000
9.55	192	2010
9.60	193	2020
9.65	194	2030
9.70	195	2040
9.75	196	2050
9.80	197	2060
9.85	198	2070
9.90	199	2080
9.95	200	2090
10.00	201	2100
10.05	202	2110
10.10	203	2120
10.15	204	2130
10.20	205	2140
10.25	206	2150
10.30	207	2160
10.35	208	2170
10.40	209	2180
10.45	210	2190
10.50	211	2200
10.55	212	2210
10.60	213	2220
10.65	214	2230
10.70	215	2240
10.75	216	2250
10.80	217	2260
10.85	218	2270
10.90	219	2280
10.95	220	2290
11.00	221	2300
11.05	222	2310
11.10	223	2320
11.15	224	2330
11.20	225	2340
11.25	226	2350
11.30	227	2360
11.35	228	2370
11.40	229	2380
11.45	230	2390
11.50	231	2400
11.55	232	2410
11.60	233	2420
11.65	234	2430
11.70	235	2440
11.75	236	2450
11.80	237	2460
11.85	238	2470
11.90	239	2480
11.95	240	2490
12.00	241	2500
12.05	242	2510
12.10	243	2520
12.15	244	2530
12.20	245	2540
12.25	246	2550
12.30	247	2560
12.35	248	2570
12.40	249	2580
12.45	250	2590
12.50	251	2600
12.55	252	2610
12.60	253	2620
12.65	254	2630
12.70	255	2640
12.75	256	2650
12.80	257	2660
12.85	258	2670
12.90	259	2680
12.95	260	2690
13.00	261	2700
13.05	262	2710
13.10	263	2720
13.15	264	2730
13.20	265	2740
13.25	266	2750
13.30	267	2760
13.35	268	2770
13.40	269	2780
13.45	270	2790
13.50	271	2800
13.55	272	2810
13.60	273	2820
13.65	274	2830
13.70	275	2840
13.75	276	2850
13.80	277	2860
13.85	278	2870
13.90	279	2880
13.95	280	2890
14.00	281	2900
14.05	282	2910
14.10	283	2920
14.15	284	2930
14.20	285	2940
14.25	286	2950
14.30	287	2960
14.35	288	2970
14.40	289	2980
14.45	290	2990
14.50	291	3000
14.55	292	3010
14.60	293	3020
14.65	294	3030
14.70	295	3040
14.75	296	3050
14.80	297	3060
14.85	298	3070
14.90	299	3080
14.95	300	3090
15.00	301	3100
15.05	302	3110
15.10	303	3120
15.15	304	3130
15.20	305	3140
15.25	306	3150
15.30	307	3160
15.35	308	3170
15.40	309	3180
15.45	310	3190
15.50	311	3200
15.55	312	3210
15.60	313	3220
15.65	314	3230
15.70	315	3240
15.75	316	3250
15.80	317	3260
15.85	318	3270
15.90	319	3280
15.95	320	3290
16.00	321	3300
16.05	322	3310
16.10	323	3320
16.15	324	3330
16.20	325	3340
16.25	326	3350
16.30	327	3360
16.35	328	3370
16.40	329	3380
16.45	330	3390
16.50	331	3400
16.55	332	3410
16.60	333	3420
16.65	334	3430
16.70	335	3440
16.75	336	3450
16.80	337	3460
16.85	338	3470
16.90	339	3480
16.95	340	3490
17.00	341	3500
17.05	342	3510
17.10	343	3520
17.15	344	3530
17.20	345	3540
17.25	346	3550
17.30	347	3560
17.35	348	3570
17.40	349	3580
17.45	350	3590
17.50	351	3600
17.55	352	3610
17.60	353	3620
17.65	354	3630
17.70	355	3640
17.75	356	3650
17.80	357	3660
17.85	358	3670
17.90	359	3680
17.95	360	3690
18.00	361	3700
18.05	362	3710
18.10	363	3720
18.15	364	3730
18.20	365	3740
18.25	366	3750
18.30	367	3760
18.35	368	3770
18.40	369	3780
18.45	370	3790
18.50	371	3800
18.55	372	3810
18.60	373	3820
18.65	374	3830
18.70	375	3840
18.75	376	3850
18.80	377	3860
18.85	378	3870
18.90	379	3880
18.95	380	3890
19.00	381	3900
19.05	382	3910
19.10	383	3920
19.15	384	3930
19.20	385	3940
19.25	386	3950
19.30	387	3960
19.35	388	3970
19.40	389	3980
19.45	390	3990
19.50	391	4000
19.55	392	4010
19.60	393	4020
19.65	394	4030
19.70	395	4040
19.75	396	4050
19.80	397	4060
19.85	398	4070
19.90	399	4080
19.95	400	4090
20.00	401	4100
20.05	402	4110
20.10	403	4120
20.15	404	4130
20.20	405	4140
20.25	4	