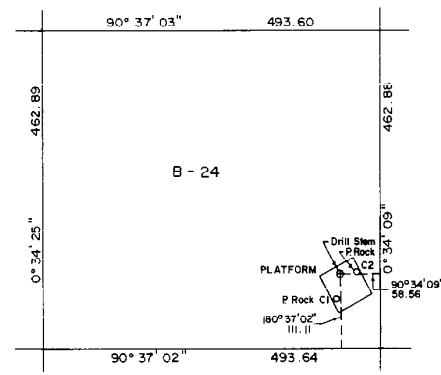


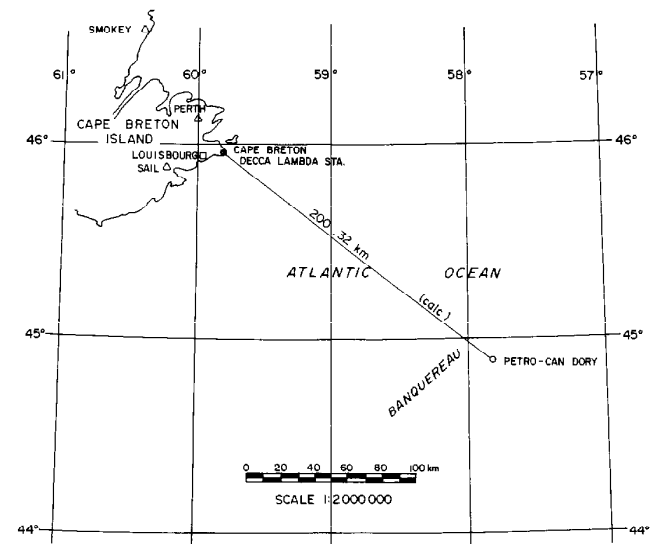
GRID AREA 45°00', 57°45'
SCALE 1:100 000



DETAIL OF UNIT B, SECTION 24
SCALE 1:5000

TABLE OF DEFINITIVE COORDINATES, 1927 NAD

Station	GEOGRAPHIC		UTM, ZONE 21, C.M. 57° W	
	Latitude, N	Longitude, W	Northing	Easting
GRID AREA				
NE	45°00'	57°45'	4 983 006.79	440 886.78
NW	45°00'	58°00'	4 983 219.59	421 182.37
SE	44°50'	57°45'	4 964 492.85	440 715.85
SW	44°50'	58°00'	4 964 705.45	420 954.19
UNIT B SECTION 24				
NE			4 970 557.63	436 329.11
NW			4 970 562.95	435 835.54
SE			4 970 094.78	436 324.51
SW			4 970 100.10	435 830.90
PLATFORM				
C1	44°53'02.4701"	57°48'25.3910"	4 970 166.27	436 261.79
C2	44°53'03.7774"	57°48'24.0285"	4 970 206.31	436 292.08
Drill Stem	44°53'03.7759"	57°48'25.1703"	4 970 206.51	436 267.03



LEAVE SPACE FOR RECORD DETAILS
5 x 20 centimetres

SPECIMEN ONLY

PLAN AND FIELD NOTES
OF SURVEY OF LOCATION OF
OFFSHORE PLATFORM
PETRO - CAN DORY
EAST OF NOVA SCOTIA
IN UNIT B, SECTION 24
GRID AREA 45°00', 57°45'
CANADA OIL AND GAS LAND REGULATIONS

LEASE No.

SURVEYED SEPT. 27 TO 29, 1979 BY
J. BROWN, C.L.S. FOR PETRO-CANADA
CORPORATION

LEGEND

Positioning was done by simultaneous Doppler satellite observations using Marconi 722B receivers. Positions were computed from the combined data from both stations using the GEODOP program for which documentation is available from the Geodetic Survey of Canada. Offsets of the electrical centres of the Doppler antennas from the Control and Derived station monuments are accommodated in the program. Average meteorological data were arbitrarily assumed. The derived position difference is between the identified monuments. Computer listings of the Doppler solution are included in the Surveyor's Report of this survey (FB....., C.L.S.R.).

Distances are in metres and decimals thereof.
Bearings and distances shown for the Grid Area and unit are UTM plane, Zone 21, and the bearings are referred to the central meridian of the Zone, 57° W.
Distances on the station details are measurements reduced to the horizontal.
The bearing shown on the line from C1 to C2 is an azimuth derived from sun observations at both C1 and C2 and is referred to the meridian through C1.

Geodetic Survey stations
Authorized control monuments found..... Monuments placed.....

All coordinates shown are on 1927 NAD based on the coordinates for the shore station most of the Decca Lambda system established by Petro-Canada Corporation as given on Plan 55649 C.L.S.R. The given position is shown in the above identified Surveyor's Report to meet third order accuracy specifications relative to the neighbouring Geodetic Survey Stations SAIL and PERTH.

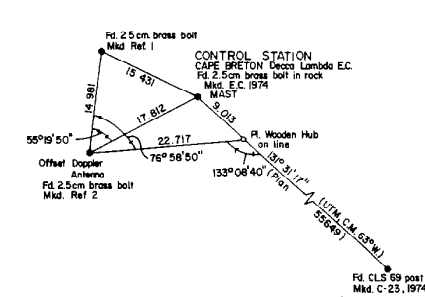
Water depth at location is 51 metres (supplied by the drilling engineer).

I, John Brown, of the City of Ottawa, Canada Lands Surveyor, make oath and say that I have in my own proper person, according to law and the instructions of the Surveyor General of Canada Lands, faithfully and correctly executed the survey shown by this plan and field notes, and that the said plan and field notes are correct and true to the best of my knowledge and belief.
SO HELP ME GOD.

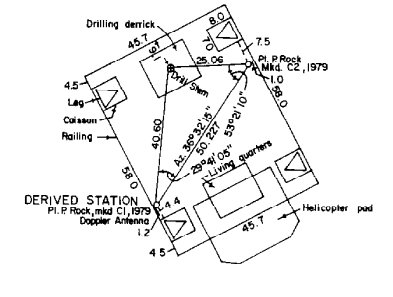
Sworn before me at Ottawa
this 23rd day of October, 1979.

Justice of the Peace
Notary Public
Commissioner for Oaths or
Canada Lands Surveyor

LEAVE SPACE FOR ENDORSEMENTS
5 x 20 centimetres



STATION DETAIL AT CAPE BRETON
SCALE 1:500



STATION DETAIL AT PLATFORM
SCALE 1:1000

SUMMARY OF DOPPLER SATELLITE POSITION-DIFFERENCE SURVEY

	CONTROL STATION CAPE BRETON Decca Lambda E.C.		DERIVED STATION PETRO-CAN DORY, C1	
	1927 NAD COORDINATES (CLSR Plan no. 55649) #	OBSERVED GEOCENTRIC COORDINATES (1) (broadcast ephem, WGS 72)	DERIVED DATUM SHIFT (Geocentric-NAD)	OBSERVED GEOCENTRIC COORDINATES (1) (broadcast ephem, WGS 72)
Cartesian coordinates	x + 2 235 199.213 m y - 3 836 892.190 m z + 4 561 469.147 m	+ 2 235 155.48 m - 3 836 723.07 m + 4 561 650.52 m	- 43.72 m + 169.12 m + 181.37 m	+ 2 411 739.79 m - 3 830 723.84 m + 4 478 232.39 m
Latitude	45° 57' 12.1192" N			44° 53' 02.4701" N
Longitude	59° 47' 23.4967" W			57° 48' 25.3910" W
Ht above sea level	20.68 m (2)			25.38 m (4)
Geoid ht. (GEM 10b) (3)	17.5 m (2)			15.4 m (3)
Ht above spheroid	38.18 m			40.78 m

1) The broadcast ephemeris of coordinates of Doppler satellite orbits is based on the geocentric World Geodetic System WGS 72.
2) The elevation of the plug at Decca E.C. was derived from tidal observations during the observing period.
3) GEM 10b is the Geodetic Earth Model of the geoid for which the given heights are computed relative to an eccentric 1927 NAD spheroid. The eccentricity used was the published datum shift of station SMOKEY: $x_0 = -42, y_0 = +182, z_0 = +181$ (in Surveying Offshore Canada Lands for Mineral Resource Development, Second Edition, 1975).
4) The drilling engineer supplied a value of 26.7 m for the elevation of the platform deck on which C1 is attached.

NOTES
To facilitate microfilming plan width shall not exceed 60 cm
Lettering size shall not be less than 2.0 mm (No 80 CL template)