

THREE CORNERS SEISMIC & GRAVITY
SURVEY - OP 177
INTERIM REPORT 6th DECEMBER, 1971
BEACH PETROLEUM N L

OPEN FILE

R-71/201

OPEN FILE

B.M.R. REFERENCE NO. 71/526

THREE CORNERS

SEISMIC AND GRAVITY SURVEY

O.P. 177, NORTHERN TERRITORY.

(FORMERLY O.P. 57)

INTERIM REPORT

6TH DECEMBER, 1971

OPERATOR:

BEACH PETROLEUM NO LIABILITY
Da Costa Building,
Grenfell Street,
Adelaide. S.A. 5000.

CONTRACTOR:

GEOSURVEYS OF AUSTRALIA PTY. LTD.
Da Costa Building,
Grenfell Street,
Adelaide. S.A. 5000.

NORTHERN TERRITORY
GEOLOGICAL SURVEY

Be 71/2e

Documents Attached

Preliminary Interpretation, Seismic Horizon C.
Two copies of final record section Line B-3 - for B.M.R.
Two copies of final record section Line B-5 - for B.M.R.

Data Processing

All field tapes and correction sheets are now with G.S.I., Sydney, for processing. Enclosed for the B.M.R. are two copies each of the final sections for Lines B-3 and B-5.

Interpretation

Preliminary interpretation of Horizon C has been extended to the eastern border of the permit and to tie F.P.C. line B in the southeast. The survey has delineated a ridge running north-south along the eastern border. The eastern flank of the ridge is formed by faulting at F.P.C. line B (approximately 600 feet throw on Horizon C), at Beach line B-4 (approximately 200 feet) and probably at Amerada line 3E (approximately 100 feet). Steep eastward dip is evident on the southern extremity of Amerada line 2J.

In the eastern portion of the permit the preliminary results of the gravity survey support the seismic interpretation. A gravity high extends from F.P.C. line B across lines B-11, 2J, B-4 and 3E. The axis of gravity maxima is displaced approximately two miles to the west of the alinement of seismic culmination.



J.B. Proctor
PARTY CHIEF