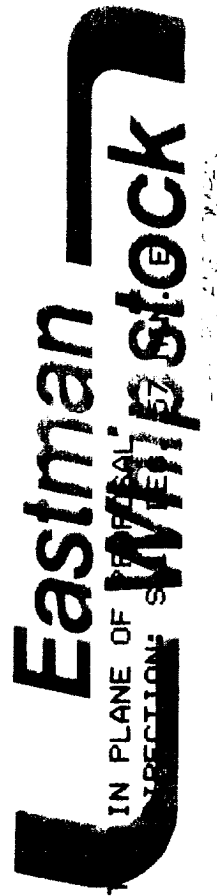


SHELL OIL COMPANY
NORTH HOBBS UNIT 32-342
LEA COUNTY, NEW MEXICO BDI-434
SEPTEMBER 27, 1983

EASTMAN WHIPSTOCK, INC.
GYROSCOPIC MULTI SHOT SURVEY WT0983-G0041
SURVEYOR: GARY DESPAIN (0-1387')
MAGNETIC MULTI SHOT SURVEY WT1083-S0063
SURVEYOR: GARY DESPAIN (1387'-4408')



VERTICAL SECTION CALCULATION

IN PLANE OF REFERENCE

SECTION: S

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD