

GEOSC-285-02 INTEROFFICE MEMORANDO

Well File **GEOSCIENCES**

To

Carlos Valdizán

From

Pedro Alarcón

Spoject

LO16-25 Second By-pass

Date

October 11, 2002

Due to hole problems experienced while drilling the original and 1st by-pass hole of the LO16-25 well, we suggest to drop the vertical angle and drill through the Rio Bravo Sandy section with approximately 48 degrees.

This new well design will reduce the total depth to approximately 6500' MD, 4000' TVD (-3950' VSS), 4570' HD.

Objective coordinates and expected tops are as follows:

Coordinates: 9506,625.00NM, 458,440.00ME

MD

TVD

TSS

HD

Rio Bravo Sandy Top

5730'

3470'

3420'

3980'

c.c.:

B.Bruce

G. Ruesta

Well File

GEOSCIENCES Central File