

## INTER OFFICE MEMORANDUM

**GEOSC-124-99** 

TO:

Pedro Alarcón

FROM:

Victor Peralta

SUBJECT:

**TEMPERATURE SURVEY** 

**WELL LO16-22** 

DATE:

October 12, 1999

On September 26<sup>th</sup>, 1999, a temperature survey was run in Upper Basal Salina formation to identify gas entry intervals. The main intervals with gas breakthrough are:

7450' - 7444'

7428' - 7418'

7370' - 7360'

7342' - 7328'

Based on these results, this Upper Bs.Salina was abandoned with a bridge plug at 5850'. In addition, with the purpose of improving the performance of LO16 Bs. Salina Gas Injection, we recommend the following jobs:

LO13-20: Set a bridge plug at 8135' to isolate lower interval: 8140'-8190' and optimize the oil production of the Upper sands. ELAN analysis shows that lower sands are wet. After first month of production take a build up of 72 hrs. in order to monitoring the gas injection project.

LO16-20: Take a build up pressure of 72 hrs.

- If the PBU shows damage then remove it with a stimulation job.

- If not, shut in the well in order to improve gas sweep efficiency. Currently this well produces 11 bopd with 13,641 GOR.

cc: John Meyers Rigoberto Francia Alberto Agurto Jaime Cáceres Res-Eng fileWell file

## FIELD REPORT

TO:

John Meyers

FROM:

Alberto Agurto S.

SUBJECT:

Temperature logging in LO16-22 well.

Basal Salina fm. Lobitos Offshore area.

DATE	TIME	DESCRIPTION
Sep-25-99	19:00	Arrived to location LO16-22 well.  Present Operation: Installing Halliburton's lubricator and test with 1000 psi. Ok.  Note: The well was shut in 3 hrs.
	19:00-20:00	Halliburton Co. calibrated Temperature-CCL log.
	20:00-24:00	Wellhead static pressure 850 psi. Ran tool, place in depth with CCL and recorder static temperature gradient from 5400' to 7548'.
Sep-26-99	00:00-02:00	Max Temperature: 123 F. Bled off the well to test separator with 3/8" beam and plate 4" * 2 ½". Wellhead flowing pressure 750 psi. Rate: 2072Mscfd.
	02:00-03:30	Pull up recording flowing temperature gradient from 7548' to 5400'.  Max. Temperature: 120 F.  The well was closed.
		Note: According results the intervals that showed a cooling zone were: 7451' – 7444'. 7426' – 7414'. 7370' – 7360' and 7355' – 7338'.
	03:30-04:30 <sub>©</sub>	Ran junk basket calibrate to 5950'.
	04:30-06:00	Ran Halliburton bridge plug and set @ 5850'.
	06:00-07:00	Lay down Halliburton's lubricator and return to Talara.
	07:00	Petrex 313 bled off the well and preparing to ran Chamber installation to produce from Mogollón.

**Date:** Sep.27.99

Supervised by:

Alberto Agurto S.

Signature:

1. 12 contros

c.c.: J. Hagan / Res. Lima / Well File

ALBERTO AGURTO S.
Ing. de Reserverios
CODIGO: 3001

D. F. Carenos V

D. Ancetiyo foro

J. Managaran

OK V.

