

PETRO-TECH
PERUANA S.A.



EPPM-322-94

TO: Operations Manager
FROM: Exploration-Production Planning Manager
SUBJECT: PRESSURE TESTS RESULTS
DATE: December 12, 1994

Enclosed please find results from Static Gradient and Initial Pressure Surveys run in Wells LO13-22, HH-8 and LO6-20.


Alberto Arispe
Manager

AAV/mts
Enc.

cc: Assistant Operations Manager - Engineering
Well Files
200.2.1

TO: Eng. Alberto Arispe
Exploration-Production Planning Manager

FROM: Eng. Víctor Peralta

SUBJECT: INITIAL PRESSURE AND STATIC GRADIENT
AT WELLS: LO13-22, HH-8 AND LO6-20

DATE: December 9, 1994

Following please find a summary of results obtained during SG. and Initial Pressure surveys run in wells of the reference to determine the status of reservoir pressure:

<u>Well</u>	<u>Form.</u>	<u>Interval</u> (Ft)	<u>MPP(Ft)</u>		<u>Press.</u> <u>Static</u> (Psig)	<u>Form.</u> <u>Grad.</u> (Psi/Ft)	<u>Fluids</u>		<u>Status</u>
			<u>MD</u>	<u>VD</u>			<u>Grad.</u> (Psi/Ft)	<u>Level</u> (Ft)	
LO6-20	Bs.Sal.	6958-6686	6822	6097	+997	0.163	0.020 0.305	Surf. 4697	Producing
LO13-22	Pariñas	5198-5140	5160	4928	2525	0.512	0.380	Surf.	SI.
HH-8	Helico	2780-2584	2682	2506	1097	0.438	0.435	Surf.	SI.

LO6-20: A static gradient survey was run in this well. Due to a short shut-in time (three hours), the pressure recorded is not considered as representative of the current reservoir pressure.

LO13-22: Reservoir pressure records immediately after shooting the Pariñas Fm. is in the range of the initial pressure recorder in surrounding wells opened in Pariñas: LO10-8(0.567 psi/ft), LO10-11X(0.60 psi/ft), LO10-17(0.57 psi/ft)and LO10-18 (0.442 psi/ft).

HH-8: The initial pressure gradient of 0.438 psi/ft is similar to the average pressure gradient in wells with Helico opened in PN4 and Siches wells. This gradient indicates that well is in a reservoir block undepleted.



Víctor Peralta G.

WELL: LO6-20

**STATIC GRADIENT
(Date: October 27, 1994)**

History

The well was completed on October 9, 1993 in Bs. Salina - Lower Section, interval 7513'-7406', testing formation water production. After isolation of the lower section, it was perforated and fraced the Upper Section in the interval: 6958'-6686', a good initial production was obtained. Up to September, 1994, it has 238 Mbbls of cumulative oil and is still producing on casing flow.

This survey is the first BHP of the well after its completion and was recommended by Engineering Negritos to evaluate present fluid level into the well.

Results

<u>Formation</u>	<u>Interval</u>	<u>MPP(Ft)</u>		<u>Static Pressure (Psig)</u>	<u>Form. Grad. (Psi/Ft)</u>	<u>Fluids</u>		<u>Status</u>
		<u>MD</u>	<u>VD</u>			<u>Grad. (Psi/Ft)</u>	<u>Level (Ft)</u>	
Bs. Salina	6958-6686	6822	6097	+997	0.163	0.020 0.305	Surf. 4697	Producing

The pressure at bomb depth (6822 Ft, MD) was 997 Psig.

This survey was run after a short shut-in time of three hours. The pressure is not stabilized, because it increased 89 Psig in 90 minutes that bomb remained at the bottom of the hole.

In view of the above mentioned, the pressure recorded is not representative of the current reservoir pressure.

VPG

STATIC GRADIENT SURVEY

WELL L06-20

FIELD	LOBITOS
WELL	L06-20
DATE	27/10/94

