

PETRO-TECH



PERUANA S.A.

TO: Eng. Alberto Arispe
Exploration-Production Planning Manager

FROM: Eng. Víctor Peralta

SUBJECT: INITIAL PRESSURE : LO14-17, LO14-13
LO14-20, LO7-23 AND LO6-14 WELLS

DATE: February 3, 1995

Following please find a summary of results of pressure survey run in wells of the reference after shooting the first frac stage. These results can correspond to initial pressure in each of these wells .

Form.	Formation	Perforated Interval (MD)	MPP (ft) (MD) (VD)	Press. at MPP. (psig)	Form. Grad. (psi/ft)	Level Fluids (MD)	Fluids Gradient (psi/ft)
LO14-17	Mogollon	6474-6280	6377 5446	+2625	+0.482	Oil at surf.	0.371
LO14-13	Mogollon	6358-5423	5891 5560	+2664	+0.479	Gas at Surf. Oil at 5596'	0.051 0.320
LO14-20	Mogollon	7328-7133	7231 6519	+3248	+0.498	Oil at Surf.	0.370
LO7-23	B.Salina	7508-7435	7472 6393	3716	0.581	Water at Surf.	0.440
LO6-14	B.Salina	6841-6802	6821 6294	2604	0.414	Gas at Surf. Oil at 4725'	0.136 0.318

For those wells completed by Mogollon, the final pressure was not stabilized during time that the bomb remained into the hole. Therefore, original reservoir pressure may be higher than herewith reported.

For wells with Basal Salina formation, the original reservoir pressure recorded is almost stabilized. The LO7-23 compared favorably with original pressure of LO7-15 (0.519 psi/ft) and LO7-24 (0.596 psi/ft), both wells are located in the same reservoir block. However, initial pressure of LO6-14, located in the beside reservoir block, has initial reservoir pressure low (0.414 psi/ft), which can suggest a reservoir block of low pressure.

Víctor Peralta

WELL: LO6-14

**INITIAL PRESSURE
(Date: January 12, 1995)**

History

The well was recently completed, January 11, 1995, in Lower Bs. Salina Fm. This survey was recorded after shooting the interval 6841'-6802'.

Results

Formation	Perforated	M.P.P.		Pressure	Form.	Level	Fluids
	Interval	(MD)	(VD)	at MPP	Grad.	Fluids	Gradient
	(MD)	(MD)	(VD)	(Psig)	(Psi/Ft)	(MD)	(Psi/Ft)
B.Salina	6841-6802	6821	6294	2604	0.414	Gas at Surf. Oil at 4725'	0.136 0.318

The pressure at bomb depth (6820 ft, MD) was 2604 psig. This final pressure is almost stabilized; a pressure increase of 3 psig was observed during 61 minutes that the bomb remained in the hole.

Original pressure is lower than the initial pressure recorded in Bs. Salina of LO7-15 (0.519 psi/ft) and LO7-24 (0.596 psi/ft); they are located in the beside reservoir block.

This original pressure suggest that LO6-14 well is located in a reservoir block of low pressure.

VPG

STATIC GRADIENT SURVEY WELL L06-14

FORMATION : B. SALINA
INTERVAL : 6841' - 6802'
DATE : 01/12/95

