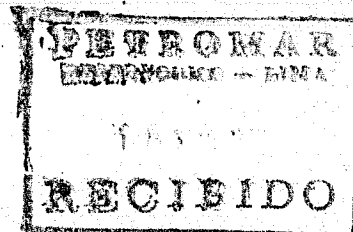




PETROMAR

MEMORANDO PM.RSRV.065.93



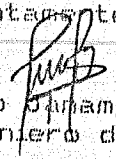
A: DPTO. DE RESERVORIOS
DE: HUGO JANAMPA CAMINO
ASUNTO: PRUEBA DE PRESION INICIAL
POZO L016-18 - FM. PARIÑAS
FECHA: Lima, 16 de Agosto de 1993

A continuación encontrará los resultados del análisis de la prueba de presión inicial tomada en el Pozo L016-18 luego de balar el intervalo 5447'-5120'(P.M.) de la Fm. Pariñas:

Fecha de la Prueba:	18 Agosto 1992
Formación:	Pariñas
Intervalo Perforado:	5447'-5120' P.M.
Profundidad de la Bomba:	5284' P.M., 4272' P.V.
Pto. Medio de Perforaciones:	5284' P.M., 4272' P.V.
Presión al P.M.P.:	2595 psi
Presión en la cabeza:	901 psi
Nivel de Fluidos:	Líquido a superficie
Gradiente del Fluido:	0.396 psi/pie
Gradiente de Formación:	0.6074 psi/pie

La gradiente de formación aquí reportada es ligeramente mayor a la registrada en las pruebas de presión inicial de los Pozos vecinos L010-7X (0.57 psi/pie), L010-8 (0.567 psi/pie).

Atentamente,


Hugo Janampa Camino
Ingeniero de Reservorios

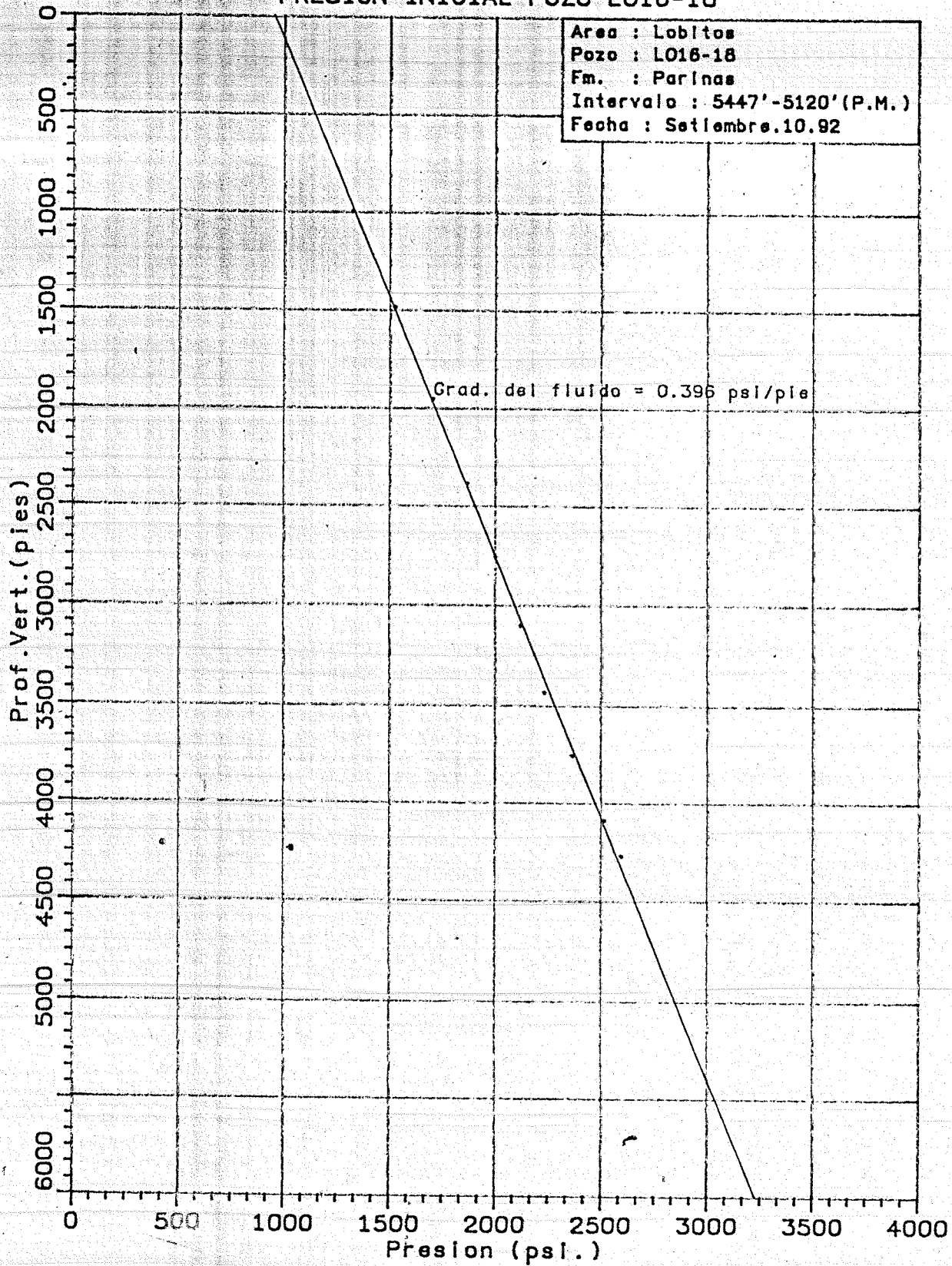
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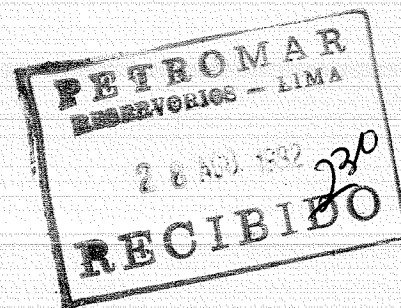
Archivo del B20

smg

PRESION INICIAL POZO L016-18

Area : Lobitos
Pozo : L016-18
Fm. : Paríñas
Intervalo : 5447'-5120' (P.M.)
Fecha : Setiembre.10.92





LOBITOS COSTA AFUERA

LO16-18

GRADIENTE ESTATICO

AGO.18,92

INTERVALO : 5447-5120

FORMACIÓN : PARIÑAS

M^o DE TIROS : 32

ARENA NETA { 150' MD
 { 103' VD

PM-RLW-065-83
(16/8/93)

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY	PETROMAR S.A.	WELL NAME	LOBITOS COSTAAFUERA
ADDRESS	NEGRITOS	LOCATION	L016-18
FIELD and POOL	LOBITOS	STATUS: OIL ☐ GAS ☐ OTHER SPECIFY	
TYPE OF TEST	PRESION INICIAL	DATE OF TEST	92 08 18 TO 92 08 18
PRODUCING INTERVAL (CF)	5447 - 5120	PRODUCING THROUGH:	IN. TUBING ☐ IN. CASING ☐
ELEVATION (CF)	FT. (KB)	MID-POINT OF PRODUCING (MPP) INTERVAL (CF)	FT.
POOL DATUM	FT. (subsea)	DATUM DEPTH OF WELL (FROM CF)	FT.
ELEMENT SERIAL NO.	12782N	CLOCK RANGE	03 h S ☒ D ☐ # 31882 I.H. # 5861
CALIBRATION EQUATION	PC = 1623.64 x D + (1.78)	DATE OF LAST CALIBRATION	

2. STATIC TEST

PRESSURE (GAUGE): TUBING	PSI. GAUGE ☐ DWG ☐	SHUT-IN DATE	92 08 18 @ 11:49
CASING	900	DATE ON BOTTOM	92 08 18 @ 13:25
RUN DEPTH (FROM CF)	5284 (4272.74' TVD)	DATE OFF BOTTOM	92 08 18 @ 13:25
B.H. TEMP	105 °F.	MPP PRESSURE (GAUGE)	PSI.
R.D. PRESSURE (GAUGE)	2595.06	DATUM PRESSURE (GAUGE)	PSI.
PSI. GRADIENT	0.6074		

3. ACOUSTIC WELL SOUNDER TEST

DEPTH OF TUBING	FT.	SHUT-IN DATE	92 08 18 @
AVERAGE TUBING JOINT LENGTH	FT.	CURRENT WATER CUT	%
NO. OF JOINTS TO LIQUID		CASING PRESSURE (GAUGE)	PSI.
LENGTH OF GAS COLUMN	FT.	GAS COLUMN PRESSURE (GAUGE)	PSI.
LENGTH OF LIQUID COLUMN	FT.	LIQUID COLUMN PRESSURE (GAUGE)	PSI.
GAS GRAVITY		MPP PRESSURE (GAUGE)	PSI.
GAS GRADIENT	PSI/FT.	DATUM DEPTH PRESSURE (GAUGE)	PSI.
OIL GRAVITY			
OIL GRADIENT	PSI/FT.		

4. BUILD UP OR DRAWDOWN TEST (Attach Forms 0-12A)

RESERVOIR/WELL PARAMETERS: POROSITY	%	WELL RADIUS	FT.	THICKNESS	FT.	WATER SATURATION	%
B.H. TEMP.	°F	DATE AND DESCRIPTION OF LAST WELLBORE TREATMENT					
CASING I.D.	IN.	TUBING I.D.	IN.	TUBING WEIGHT MASS	LBS./FT.		
COMPRESSIBILITY	μZ						
OIL WELLS ONLY:		GAS WELLS ONLY:					
OIL VISCOSITY	CC	GAS VISCOSITY					
BUBBLE POINT PRESSURE (GAUGE)	PSI.	Z at RESERVOIR CONDITIONS					
B _o =	VOL. AT RES. COND.	RELATIVE DENSITY G					
	VOL. AT ST. COND.						
WELL PRODUCING RATE DURING	☐ PRIOR TO ☐	TEST OIL	BBL/D GAS	MCF/D	WATER	BBL/D	
TOTAL PRODUCTION DURING	☐ PRIOR TO ☐	TEST OIL	BBLS. GAS	MCF	WATER	BBL	

5. CHART READINGS AND CALCULATIONS

DATE			DEPTH BELOW CF FT.	ACC. TIME h	TIME h	DEFLECTION IN	CALCULATED PRESSURE PSIG	CORRECTION DEVIATION PSI	CORRECTED PRESSURE PSIG	GRADIENT PSI/FT.
YR	MO	DAY								
92	08	18	Superficie	Superficie	10:53	0.5540			901.28	-
			997.78	1000	11:00	0.8130			1321.80	0.4213
			1490.55	1500	11:06	0.9370			1523.13	0.4086
			1959.86	2000	11:12	1.0469			1701.57	0.3802
			2388.77	2500	11:18	1.1478			1865.39	0.3819
			2763.07	3000	11:24	1.2310			2000.48	0.3609
			3104.61	3500	11:30	1.3035			2118.19	0.3446
			3439.96	4000	11:36	1.3741			2232.82	0.3418
			3761.99	4500	11:42	1.4552			2364.50	0.4089
92	08	18	4094.59	5000	11:48	1.5473			2514.04	0.4496

REMARKS

PERF: 4268.74' - 4366.47' TVD

PTO. MEDIO: 4268.74

SURVEY COMPANY

TEST BY

G. PRECIADO

COMPUTED BY

CHECKED BY

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY PETROMAR S.A.

WELL NAME LOBITOS COSTA AFUERA

DATE OF TEST TO
YR. MO. DAY YR. MO. DAY

LOCATION _____ L016-18

CHART READINGS AND CALCULATIONS

PAGE 02 of 02

[illegible]

Superficie

LOBITOS COSTA AFUERA

LO16+18

GRADIENTE ESTATICO

AGO. 18, 92

250

500

750

1000

1250

1500

1750

2000

2250

2500

2750

3000

3250

3500

3750

4000

4250

4500

PROFUNDIDAD (PIES T.V.D.)

PRESION (PSIG)

0

400

800

1200

1600

2000

2400

2800

3200

3600

