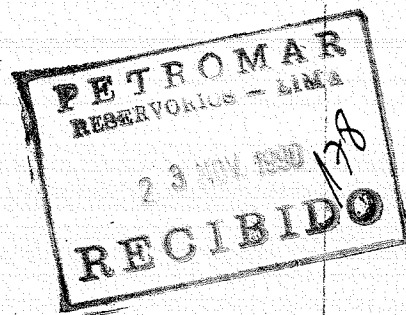


HCH ✓ RT ✓ Res 2201-103
LOBITOS COSTA AFUERA
LO16-12
GRADIENTE FLUYENTE
NOV.14,90



COMPANY	PETROMAR S.A.	WELL NAME	LOBITOS COSTA AFUERA
ADDRESS		LOCATION	LO16-12
FIELD and POOL	LOBITOS	STATUS: OIL ☐ GAS ☐ OTHER SPECIFY	
TYPE OF TEST	GRADIENTE FLUYENTE	DATE OF TEST	90 11 14 TO
PRODUCING INTERVAL (CF)	7132 - 6914	PRODUCING THROUGH	IN. TUBING ☐ IN. CASING ☐
ELEVATION (CF)	FT. (KB) FT. (KB) to CF	MID-POINT OF PRODUCING (MPP) INTERVAL (CF)	7023
POOL DATUM	FT. (Subsea)	DATUM DEPTH OF WELL (FROM CF)	FT.
ELEMENT SERIAL NO.	12450N RANGE 0 - 2000	CLOCK RANGE	03 h S ☒ D ☐ # 2359 I.H. # 14358
CALIBRATION EQUATION	PC = 1018.26 x D + (0.75)	DATE OF LAST CALIBRATION	90 07 13

2. STATIC TEST

PRESSURE (GAUGE): TUBING	PSI. GAUGE ☐ DWG ☐	SHUT-IN DATE	@	h
CASING	80 PSI. GAUGE ☒ DWG ☐	DATE ON BOTTOM	90 11 14	15:11
RUN DEPTH (FROM CF)	7023' (6645.39' TVD)	DATE OFF BOTTOM	90 11 14	16:00
B.H. TEMP	122 °F. °C SURFACE TEMP	MPP PRESSURE (GAUGE)		PSI.
R.D. PRESSURE (GAUGE)	PSI. GRADIENT	DATUM PRESSURE (GAUGE)		PSI.

3. ACOUSTIC WELL SOUNDER TEST

DEPTH OF TUBING	FT.	SHUT-IN DATE	@	h
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	GAS GRADIENT	MPP PRESSURE (GAUGE)		PSI.
OIL GRAVITY	OIL GRADIENT	DATUM DEPTH PRESSURE (GAUGE)		PSI.

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
COMPRESSIBILITY	μZ	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		
WELL PRODUCING RATE DURING	PRIOR TO	TEST OIL	BBL/D GAS	MCF/D WATER
TOTAL PRODUCTION DURING	PRIOR TO	TEST OIL	BBL/D GAS	MCF/D WATER

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								
90	11	14	Superficie	Superficie	13:52	0.0815	83.73			-
			490.81	500	13:58	0.0720	74.06			0.0197
			981.12	1000	14:04	0.0780	80.17			0.0125
			1452.09	1500	14:10	0.1246	127.62			0.1007
			1911.24	2000	14:16	0.1910	195.23			0.1472
			2370.24	2500	14:22	0.2495	254.80			0.1297
			2830.07	3000	14:28	0.3575	364.77			0.2391
			3291.43	3500	14:34	0.4859	495.52			0.2834
			3761.52	4000	14:40	0.6247	636.85			0.3006
90	11	14	4236.37	4500	14:46	0.7800	794.99			0.3330

REMARKS

Perf: 6539.69' - 6751.09' TVD PMP: 6645.39' TVD.

SURVEY COMPANY TEST BY O. García 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 LO16-12

CHART READINGS AND CALCULATIONS

PAGE 02 of 02

[illegible]

LOBITOS COSTA ARUERA

LO16-12

GRADIENTE FLUYENTE

NOV. 14, 90

Superficie

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

6000

6500

7000

PROFUNDIDAD (PIES T.V.D.)

PRESION (PSIG)

0

200

400

600

800

1000

1200

1400

1600

1800

46 1242

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