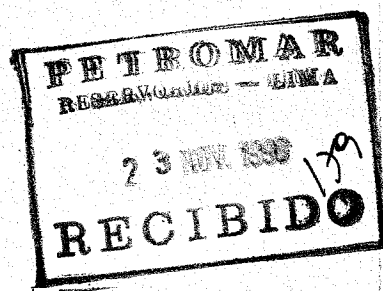


WGR

LOBITOS COSTA AFUERA *NCH X RJ / NET 2001.205*
LO16-17 *copi. AUTIVO 1022*
GRADIENTE FLUYENTE
NOV.14,90



1. BASIC DATA

SUBSURFACE PRESSURE MEASUREMENTS

PAGE 01 OF 02

COMPANY	PETROMAR S.A.	WELL NAME	LOBITOS COSTA AFUERA
ADDRESS		LOCATION	LO16-17
FIELD and POOL	LOBITOS	STATUS: OIL ☐ GAS ☐ OTHER SPECIFY	
TYPE OF TEST	GRADIENTE FLOWING	DATE OF TEST	90 11 14 TO
PRODUCING INTERVAL (CF)	7565' - 7475'	PRODUCING THROUGH:	IN. TUBING ☐ IN. CASING ☐
ELEVATION (CF)		MID-POINT OF PRODUCING (MPP) INTERVAL (CF)	
POOL DATUM		DATUM DEPTH OF WELL (FROM CF)	
ELEMENT SERIAL NO.	12450N	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						
CASING	49	PSI	GAUGE ☒ DWG ☐	DATE ON BOTTOM	90 11 14	@	10:57		
RUN DEPTH (FROM CF)	7475'	(6674.23' TVD)	FT.	DATE OFF BOTTOM	90 11 14	@	12:00		
B.H. TEMP	120 °F.	°C SURFACE TEMP.	F	MPP PRESSURE (GAUGE)					
R.D. PRESSURE (GAUGE)		PSI	GRADIENT	PSI/FT.					
				DATUM PRESSURE (GAUGE)					

3. ACOUSTIC WELL SOUNDER TEST

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

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 VISCOSITY		CC					
BUBBLE POINT PRESSURE (GAUGE)		PSI	Z at RESERVOIR CONDITIONS				
B ₀ =	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	BBL/D 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								
90	11	14	Superficie	Superficie	09:32	0.0470	48.60			-
			499.99	500	09:38	0.0480	49.62			0.0020
			999.92	1000	09:44	0.0487	50.33			0.0015
			1486.53	1500	09:50	0.0475	49.11			0.0025
			1923.80	2000	09:56	0.0496	51.25			0.0048
			2342.72	2500	10:02	0.1400	143.30			0.2197
			2759.93	3000	10:08	0.2860	291.97			0.3563
			3177.81	3500	10:14	0.4335	442.16			0.3594
			3593.98	4000	10:20	0.5782	589.50			0.3540
90	11	14	4006.37	4500	10:26	0.7205	734.40			0.3513

REMARKS

Perf: 6674.24' - 6758.40' TVD PTO.MEDIO: 6716.32'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 LO16-17

CHART READINGS AND CALCULATIONS

PAGE 02 of 02

[illegible]

46 1242

KE 20 X 20 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

