

LOBITOS OFFSHORE
LO6-24

STATIC GRADIENT

84-08-19

BELCO PETROLEUM CORP. OF PERU
RESERVORIOS - LIMA
11 SET. 1984
RECIBIDO

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY **Belco Petroleum Corp. of Peru Inc.** WELL NAME **Lobitos Offshore**
 ADDRESS **Negritos** LOCATION **L06-24**
 FIELD and POOL **Lobitos** STATUS: OIL ☒ GAS ☐ OTHER SPECIFY _____
 TYPE OF TEST **Static Gradient** DATE OF TEST **84 08 19** TO **84 08 19**
 PRODUCING INTERVAL (CF) **4410 - 4770** FT. PERF. ☒ IN TUBING ☐ IN CASING ☒
 ELEVATION (CF) _____ FT. (KB) _____ FT. (KB) to CF _____ FT. MID-POINT OF PRODUCING (MPP) INTERVAL (CF) **4590'** FT.
 POOL DATUM _____ FT. (subsea) DATUM DEPTH OF WELL (FROM CF) _____ FT.
 ELEMENT SERIAL NO **8897N** RANGE **0-3050** PSI. CLOCK RANGE **3** h ☒ S ☐ D ☐ # **2405** I.H. # **12640**
 CALIBRATION EQUATION **PC = 1564.19 D + (1.36)** DATE OF LAST CALIBRATION **84 06 20**

2 STATIC TEST

PRESSURE (GAUGE) TUBING _____ PSI. GAUGE ☐ DWG ☐ SHUT-IN DATE _____ @ _____ h
 CASING **300** PSI. GAUGE ☒ DWG ☐ DATE ON BOTTOM **84 08 19** @ **10:08** h
 RUN DEPTH (FROM CF) **3816.98 (4590' MD)** FT. DATE OFF BOTTOM **84 08 19** @ **11:33** PSI.
 B.H. TEMP **105 F** °C SURFACE TEMP _____ F MPP PRESSURE (GAUGE) **1849** PSI.
 R.D. PRESSURE (GAUGE) **1903** PSI. GRADIENT **0.4985** PSI/FT. 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 _____ FT. 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 _____ PSI/FT. MPP PRESSURE (GAUGE) _____ PSI.
 OIL GRAVITY _____ OIL GRADIENT _____ PSI/FT. 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 _____ LBS./FT.
 COMPRESSIBILITY _____ μZ
 OIL WELLS ONLY: GAS WELLS ONLY:
 OIL VISCOSITY _____ CC GAS VISCOSITY _____ μZ
 BUBBLE POINT PRESSURE (GAUGE) _____ PSI. Z at RESERVOIR CONDITIONS _____
 B. = 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/D

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								
84	08	19	Surface	Surface	09:02	0.0000			0	0.0000
			500	500.00	09:10	0.1470			231	0.4617 ✓
			999.49	1000.00	09:17	0.3068			482	0.5024
			1479.12	1500.00	09:24	0.4740			744	0.5462
			1883.12	2000.00	09:31	0.6230			977	0.5777 ✓
			2225.13	2500.00	09:38	0.7715			1209	0.6784
			2549.39	3000.00	09:45	0.8860			1388	0.5515
			2802.26	3400.00	09:52	0.9621			1507	0.4700
			3069.50	3800.00	09:59	1.0438			1634	0.4772
84	08	19	3415.53	4300.00	10:06	1.1430			1789	0.4475

REMARKS

T.V.D. Perf.: 3497.80' - 3783.57ft.

MPP.: 3640.72 ft. T.V.D.

SURVEY COMPANY **Go Well Services** TEST BY **G. Preciado**

COMPUTED BY _____ CHECKED BY _____

Belco Petroleum Corp. of Peru Inc.

Lobitos Offshore L06-24

LOCATION L06-24

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KEITHLEY RESISTOR CO. BAYVIEW, CA

