AUGUST 15/85

WELL FILE

BELCO SHOOTING-FRACCING REPORT

WELL	Z2A-21-629-XA-LOG OFFICIAL NUMBER	LOG-9X BELCO NUMBER	LOBITOS OFFSHORE AREA	APE Nº
WATER FRAC FRACCING FLUID	RIO-BRAVO FORMATION	5717'-3880' INTERVAL	.....MNF,.....VNF NET SAND	TOTAL VOL. TREAT (g)

OPERATIONAL RESULTS

Perforated by: WELEX / Fracced by: ESTEPSA	1ST	2SC	3RD	TOTAL
INTERVAL (ft): From:	5717	4433	4260	5717
To:	4592	4292	3880	3880
NET SAND: MNF	130	105	152	387
VNF	103	84	124	311
SHOOTING Date:	AUGUST 15	AUG. 15	AUG 15/85	–
Started at:	11.45	14.00	17.00	–
Finished at:	13.00	16.45	18.40	–
Shots	21	18	23	62
FRACCING Date:	AUG 15/85	AUG. 15/85	AUG 15	–
Started at:	13.15	16.30	18.50	–
Finished:	13.34	16.50	19.17	–
Break down Pressure (psi)	4100	4400	4200	–
Inst. shut-in press. (psi)	1810	–	–	–
Rate (BPM) Average	24	29	29	–
Pressure (psi) Maximum	5500	3700	3600	–
Minimum	4300	3300	3200	–
Average	4400	3500	3300	–
Standing	1900	2100	2800	–
Final (10')	1750	1800	1450	–
Volume of Treatment (g/m)	16,030	24,500	31,060	71,590
Pre-pad: g/m:	–	–	–	
Pad: g/m:	5000	6,000	6,000	17,000
Carry: g/m:	6530	14,000	21,010	41,540
Flush: g/m:	100	300	300	700
Displacement g/m:	4400	4200	3750	12,350

MATERIAL

					TOTAL
SAND (Sks)	20/40	90	80	230	400
	10/20	[illegible]	260	285	545
Proppant Conc.	Carry (lb/gal)	1.378	2.428	2.451	2.271
	Form (Sx/MNF)	0.873	4.04	4.153	3.038
WG-11 (Lbs)		500	750	950	2200
Kcl (Lbs)		1300	2000	2600	5900
CLA-STA (GAL)		16	25	31	72
FRAC-FLO (GAL)		16	25	31	72
SURFLO (GAL)		3	5	6	14
GBW-3 (Lbs)		8	19	23	40
RCN ball sealers					

ENGINEERS VICTOR HERNANDEZ
LUIS SEMINARIO

DATE: AUGT 15/85

SUPERVISOR IVAN RODRIGUEZ

BELCO PETROLEUM CORP. OF PERU
RESERVORIOS - LIMA
23 AGO. 1985
RECIBIDO