STREN CO. INC. – 15045 Woodham Drive- Houston, Texas 77073 Tel: (281) 820-0202, Fax: (281) 820-5909, Watts: (800) 856-0206

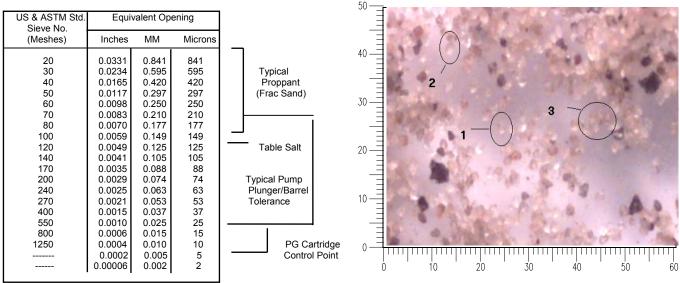
## SAND ANALYSIS REPORT

## HOW MUCH ARE YOU PAYING FOR SAND?

This is a practical analysis of particles from this well... and how it may be affecting your pump.

It is not how much sand is in the fluid that causes damage to the pump, it is the size of the abrasive particles that flow between the barrel and plunger.

Conversion Chart Standard Screen to Inch to Micron



## **READING THE PHOTOMICROGRAPH SCALE:**

- 1 DIVISION REPRESENTS 50 MICRONS (OR)
- 1 DIVISION REPRESENTS 2 THOUSANDTHS OF AN INCH

PHOTOMICROGRAPH OF PARTICLES 30X ENLARGEMENT

TEST NUMBER:	R00317-1		ARE	A: Calif.			DATE:	17-March-2000
COMPANY:					LOCA	ΓΙΟΝ:	-	
WELL NAME AND NUMBER:				STREN	REP:			
(1) SIZE OF PART	ICLES: (#1)	100 X 130		(#2)	180		(#3)	120 / 100
(2) TYPE OF PAR	TICLES: (#1)	SHARP SILICA FRAG.	(#2)	NODULAR :	SILICA G	RAIN	(#3) SIL.S	SAND FRAGMENTS
(3) BBLS/DAY:	250	(4) % WATER CU	Г:	(5) API	GRAVIT	Y:	(6) DEP	TH PERFS:
(7) ACTUAL DAYS PUMPED BETWEEN REPAIRS: (8) AVERAGE COST TO REPAIR PUMP:								
(9) REMARKS: PREDOMINANT FRACTION IS SILICA SAND WITH BROKEN GRAIN FRAGMENTS EVIDENT. NARROW PSD								
(Particle Size Distribution). THIS SAMPLE DIFFERS MARKEDLY FROM OTHER AREA WELLS OF VINTAGE IN OUR ANALYSIS								
FILES IN THE NARROW PSD & FRAGMENT CONCENTRATION. THESE FRAGMENTS ARE IN 50-250 MICRON RANGE								
MOST AGGRESS	SIVE TO CAU	SING PLUNGER-BARREL	DAMA	GE. RECON	MENDE	D CONTRO	L RATING	IS 100 MICRON.