

GreenZyme® Oil Well Treatments in La Salina, Venezuela, by PDVSA

	10/10/2000	31/05/2001	GEOR
POZO	BOPD	BOPD	%
TJ-1319	158	269	70,25
PB-476	34	79	132,35
PB-366	18	40	122,22
PB-326	98	189	92,86
TJ-864-A	45	65	44,44
PB-515	60	91	51,67
PB-737	100	150	50,00
PB-732	30	100	233,33
PB-593	22	85	286,36

La Salina is located in the Northwest corner of Venezuela and has significant oil production. Job sites were located both off-shore and inland around Lake Maracaibo, Venezuela. The earliest well was treated in October, 2000. Wells were selected which were partially or almost totally clogged with significant reduction in barrels of oil produced per day.

RESULTS:

Successful returned production rates after enzyme fluid treatment. Treatments effectively removed wellbore blockage with improved relative permeability. Early well treatments in 2000 were still producing in June 2001 with little or no drop in rate. Normal production from these wells will last approximately 12-18 months or more while maintaining elevated production levels before seeing a gradual decline in the production rate.