

REAL RESULTS

Technology and Experience Renew Productivity in South Louisiana

Objectives

Optimize lift-gas usage to maximize production in a developing field.

Results

- A Weatherford gas-lift specialist worked in-house with the operator, reviewing gas-lift designs and production reports for 83 wells.
- The wells were modeled with WellFlo[®], Dynalift[™], and VALCAL software to determine optimization potential and were prioritized to make use of available lift gas.
- Valve performance spreadsheets, linked to well test reports, were developed to give the operator a quick view of operating conditions of each well.

Value to Client

 Oil production was increased by 728 bbl/d, or 13% for the wells targeted.



2005-2006 Optimization Results

- 2006 Optimization From GLV Changes (3 Wells) 212 BOPD
- 13 Wells had GL rates increased, 7 improved, 6 no improvement
 - Oil increase = 516 BOPD
 - GL increase = 750 Mscfd
- 4 wells had GL decreased, saving 350 Mscfd

	# Wells	Rate Change (Mscfd)	BOPD Increase
Valve Change	3	430	212
GL Rate Increase	13	750	516
GL Rate Decrease	4	-350	0
Total	17	830	728

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Location Plaquemines Parish, Louisiana, USA

Well Depths 3,300 to 9,700 ft (1,006 to 2,957m)

Casing 7-in., 26-lb/ft

Tubing 2 7/8-in.

Gas Lift Injection Pressure 950 psi (6.6 MPa)

Products/Services

- Gas lift design services
- WellFlo, Dynalift, and VALCAL software

Weatherford International Ltd. 515 Post Oak Blvd., Suite 600 Houston, Texas 77027 USA Tel: 713-693-4000 www.weatherford.com

Mark Laine Business Development Manager, Gas Lift Gulf Coast Onshore Sales mark.laine@weatherford.com Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at www.weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford. Specifications are subject to change without notice. Weatherford sells its products and services marks hard the terms and continons set forth in the applicable contract between Weatherford and the client.