



# Weatherford®

## REAL RESULTS

### Technology and Experience Renew Productivity in South Louisiana

#### Objectives

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

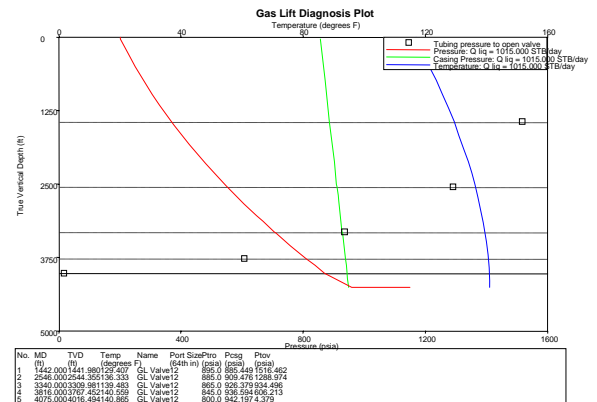
#### Results

- 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.

#### WellFlo® Gradient Plot



#### 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
<b>Total</b>	<b>17</b>	<b>830</b>	<b>728</b>

#### 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