

# Production Summary

| Property                                          | Symbols        | Value           | Unit | Comments           |
|---------------------------------------------------|----------------|-----------------|------|--------------------|
| Summary Date                                      |                | 16.03.2004      |      |                    |
| Production Start Date                             |                | 01.06.1993      |      |                    |
| Years in Production                               |                | 11              | yrs  |                    |
| Total number of wells                             | $N_t$          | 5               |      |                    |
| Oil Producers Total = Producing + Shut-in + P&A   | $N_{Op}$       | 15 = 11 + 3 + 2 |      |                    |
| Gas producers Total = Producing + Shut-in + P&A   | $N_{Gp}$       | 0               |      |                    |
| Water Producers Total = Producing + Shut-in + P&A | $N_{Wp}$       | 0               |      |                    |
| Water injectors = Injecting + Shut-in + P&A       | $N_{Wi}$       | 8 = 7 + 1 + 0   |      |                    |
| Gas injectors = Injecting + Shut-in + P&A         | $N_{Gi}$       | 0               |      |                    |
| Recovery method                                   | Water flooding |                 |      |                    |
| Lifting mechanism                                 | ESP            |                 |      |                    |
| Current formation pressure in producers           | $P_e$          | 11,000          | kpa  | = $0.71 \cdot P_i$ |
| Cumulative Voidage Replacement                    | VRR            | 115             | %    |                    |
| Current Voidage Replacement                       | IVRR           | 130             | %    |                    |

| OIL                       |       |       |                       |                  | GAS                       |          |      |                       |                             | WATER                       |          |       |                       |                         |
|---------------------------|-------|-------|-----------------------|------------------|---------------------------|----------|------|-----------------------|-----------------------------|-----------------------------|----------|-------|-----------------------|-------------------------|
| Current RFO               | RFO   | 28    | %                     | = 76 % from ERFO | Current RFG               | RFG      | 12   | %                     |                             |                             |          |       |                       |                         |
| Cumulative Oil Production | $Q_o$ | 1 . 5 | $10^6$ m <sup>3</sup> |                  | Cumulative Gas Production | $Q_g$    | 1 50 | $10^6$ m <sup>3</sup> | CumGOR = 1.1 R <sub>s</sub> | Cumulative Water Production | $Q_w$    | 1 . 3 | $10^6$ m <sup>3</sup> | Cumulative Water = 8 0% |
|                           |       |       |                       |                  | Cumulative Gas Injection  | $Q_{gi}$ | 0    | $10^6$ m <sup>3</sup> |                             | Cumulative Water Injection  | $Q_{wi}$ | 0     | $10^6$ m <sup>3</sup> |                         |

|                                          |                        |      |                             |  |                                          |                        |      |                             |                                  |                          |          |   |                             |              |
|------------------------------------------|------------------------|------|-----------------------------|--|------------------------------------------|------------------------|------|-----------------------------|----------------------------------|--------------------------|----------|---|-----------------------------|--------------|
| Current Oil Production                   | $q_o$                  | 0    | $10^3 \text{ m}^3/\text{d}$ |  | Current Gas Production                   | $q_g$                  | 0    | $10^3 \text{ m}^3/\text{d}$ | GOR = 0.75 MMscf/stb = 1.4 $R_s$ | Current Water Production | $q_w$    | 0 | $10^3 \text{ m}^3/\text{d}$ | $Y_w = 20\%$ |
|                                          |                        |      |                             |  | Current Gas Injection                    | $q_{gi}$               | 0    | $10^3 \text{ m}^3/\text{d}$ |                                  | Current Water Injection  | $q_{wi}$ | 0 | $10^3 \text{ m}^3/\text{d}$ |              |
| Current Oil Depletion                    | $Q_O/V_{O,ini}$        | 77.7 | %                           |  | Current Gas Depletion                    | $Q_G/V_{G,ini}$        | 82.1 | %                           |                                  |                          |          |   |                             |              |
| Initial Oil Reserves per well            | $V_{Oui}$              | 0.5  | $\text{m}^3/\text{well}$    |  | Initial Gas Reserves per well            | $V_{Gui}$              | 0.5  | $\text{m}^3/\text{well}$    |                                  |                          |          |   |                             |              |
| Current Oil Reserves per well            | $V_{O,res}/N_{Op,cur}$ | 8    | $\text{m}^3/\text{well}$    |  | Current Gas Reserves per well            | $V_{G,res}/N_{Gp,cur}$ | 70   | $\text{m}^3/\text{well}$    |                                  |                          |          |   |                             |              |
| Initial Oil Reserves-to-Production Ratio | RPRO                   | 50   | yrs                         |  | Initial Gas Reserves-to-Production Ratio | RPRG                   | 50   | yrs                         |                                  |                          |          |   |                             |              |
| Current Oil Reserves-to-Production Ratio | RPRO                   | 30   | yrs                         |  | Current Gas Reserves-to-Production Ratio | RPRG                   | 35   | yrs                         |                                  |                          |          |   |                             |              |

## See also

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