

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 ³		Cumulative Gas Production	Q_g	1 50	10^6 m ³	CumGOR = 1.1 R_s	Cumulative Water Production	Q_w	1 . 3	10^6 m ³	Cumulative Water = 8 0%
					Cumulative Gas Injection	Q_{gi}	0	10^6 m ³		Cumulative Water Injection	Q_{wi}	0	10^6 m ³	

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	m^3/well		Initial Gas Reserves per well	V_{Gui}	0.5	m^3/well						
Current Oil Reserves per well	$V_{O,res}/N_{Op,cur}$	8	m^3/well		Current Gas Reserves per well	$V_{G,res}/N_{Gp,cur}$	70	m^3/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						

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