

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 · 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 Water Production	Q _w	1 . 3	10 ⁶ m ³ Y w = 8 0%
Cumulative Oil Production	Q _o	1 . 5	10 ⁶ m ³	Cumulative Gas Production	Q _g 50	1 . 10 ⁶ m ³	CumGOR = 1.1 R _s	Cumulative Water Injection	Q _{wi}	0	10 ⁶ m ³
				Cumulative Gas Injection	Q _{gi}	0	10 ⁶ m ³				

Current Oil Production	q_o	0	10^3 m^3/d		Current Gas Production	q_g	0	10^3 m^3/d	$GOR = 0.75 \text{ MMscf/stb} = 1.4 R_s$	Current Water Production	q_w	0	10^3 m^3/d	$Y_w = 20\%$
Current Oil Depletion	$Q_O/V_{O,ini}$	77.7	%		Current Gas Injection	q_{gi}	0	10^3 m^3/d		Current Water Injection	q_{wi}	0	10^3 m^3/d	
Initial Oil Reserves per well	V_{Oui}	0.5	$m^3/well$		Current Gas Depletion	$Q_G/V_{G,ini}$	82.1	%						
Current Oil Reserves per well	$V_{O,res}/N_{Op,cur}$	8	$m^3/well$		Initial Gas Reserves per well	V_{Gui}	0.5	$m^3/well$						
Initial Oil Reserves-to-Production Ratio	RPR _{O50}	50	yrs		Current Gas Reserves per well	$V_{G,res}/N_{Gp,cur}$	70	$m^3/well$		Initial Gas Reserves-to-Production Ratio	RPR _{G50}	50	yrs	
Current Oil Reserves-to-Production Ratio	RPR _{O30}	30	yrs		Current Gas Reserves-to-Production Ratio	RPR _{G35}	35	yrs						

See also

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