Datasheet on 2011 IETP Polymer Project (1)

Attribute/Parameter	
Reservoir	Glauconite K
Project	03-055
Operator	Husky
Reservoir Temperature (•C)	32
Oil Density (kg/m^3)	945
Solution Gas@ P_b (m^3/m^3)	15.5
Live Oil Viscosity (mPa.s)	55
Connate Water Hardness (ppm)	200
Connate Water Salinity (ppm)	6400
Average Porosity	23%
Average Permeability (md)	721
Dykstra-Parson's Coefficient (V)	.64
Net Thickness (m)	6
Connate Water Saturation	18%
Project Area (Ha)	534
Number of Active Producers	60
Number of Active Injectors	25
Number of Observation Wells	5
OOIP (Project) (e3m^3)	5087
Formation Volume Factor) (Rm^3/Sm^3)	1.055
Pore Volume (e3m^3)	6331
Comparison of Prior to Polymer Injection and 2011 end data	2700m^3/d to 2400m^3/d
Cumulative Oil Produced (e3m^3)	2097
Remaining Reserves (WF) (e3m^3)	
Ultimate Recovery Factor (% OOIP)	47.5% ASP (41%WF)
Water-Oil Ratio	Cum 11.5 Current 22
Recovery Process (Polymer, ASP, SP, etc)	ASP
Alkali Concentration (wt %)	0.75
Surfactant Concentration (wt %)	0.15 lignin + 0.05 APG
Polymer Concentration (ppm)	1100
Main Slug Size (%PV)	30.6
Chase Polymer Concentration (ppm)	1200
Chase Slug Size (%PV)	

Datasheet on 2011 IETP Polymer Project (2)

Attribute/Parameter	
Reservoir	Glauconite K
Project	03-055
Operator	Husky
OOIP (e3m^3)	5087
PV (e3m^3)	6331
Average Injection Rate (2011) (m^3/d)	2470
Time needed to inject 1 PV polymer (years)	7
Oil Rate Response (m^3/d)	125m3/d from 25m3/d
Water-Cut Response (reduction)	99% to 94%
Initially Expected Recovery Factor	15%
Latest Indicated Recovery Factor	6.9%
Polymer injected to 2011 end (e3 kg)	4472
Incremental oil to 2011 end (e3 m^3)	63
Polymer utilization to 2011 end (kg/ inc. Oil-m^3)	71
Ultimate polymer to be injected (e3 kg)	5250
Ultimate Incremental oil (estimated) (e3 m^3)	350
Polymer Utilization (ultimate) (kg/ inc. Oil-m^3)	150
Recommended specific areas of technology focus while extending the scheme to analogous reservoirs	Spend adequate amount of time and effort on lab data
Major Problems Encountered	Scale / Lab Data / water quality
Major Project Accomplishments	Improved water treating capabilities
Next Planned Phase for the Project	N/A