

Cimarex Energy
PERFORM
 Inflow Sensitivity Graph

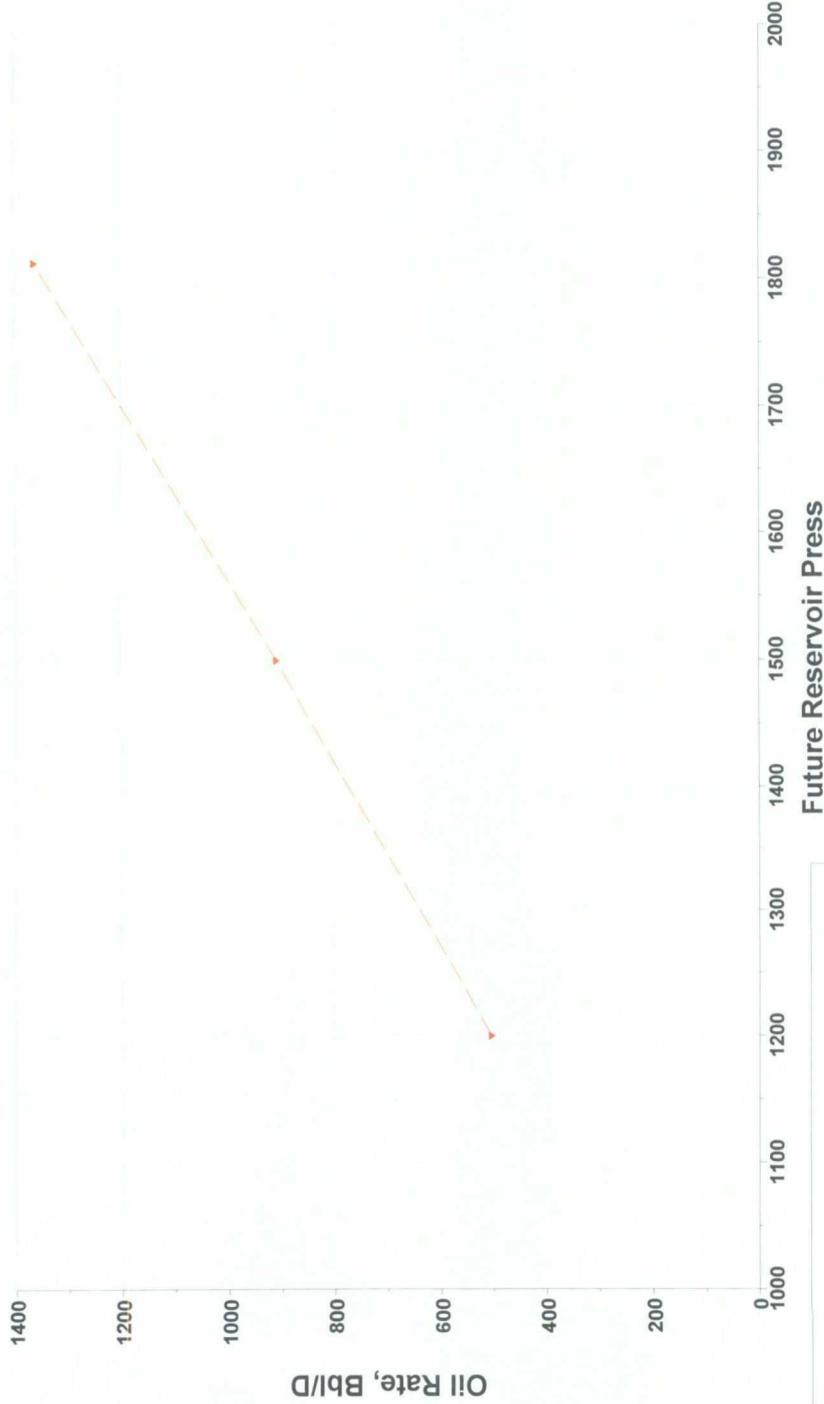
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Well: Pennzoil B 36 State #7
 Loc:
 Desc:
 File: PENN B 36 ST #7 PREDICTION.pf6 Date: 06-16-2008

Type: Oil Well
 Analysis: System Analysis
 Node: Bottomhole

Case 1 Input Data

Fluids
 Water Cut 13.0000 %
 Oil Grav 43.0 °API
 SG Gas 0.700
 GOR/Yield 2468.0 scf/bbl
 SG Water 1.070
 Bubble Pnt 3337.0 psia
Resv - Vogel/Harrison (1968)
 Resv BHP 1798.0 psig
 Resv Temp 137 °F
 Standing FE 1.000
 Vogel Rate 790 Bbl/D
 Vogel Press 1525.0 psia
Compl- Open Hole
Tbg - Duns & Ros (1963) oil **
 WH Pressure 100.0 psig
 Perf Top 9430 ft
 Csg ID 4.892 in
 Tbg ID 2.441 in
WB Heat - Linear Gradient
 WH Temp 75 °F



Outflow (A)

Inflow

- (1) 1812.7
- (2) 1500.0
- (3) 1200.0
- (4) 900.0
- (5) 600.0

Inflow

Future Reservoir Press, psia

Oil Conservation Division
 Case No. 19A
 Exhibit No. 19A

Cimarex Energy PERFORM System Graph

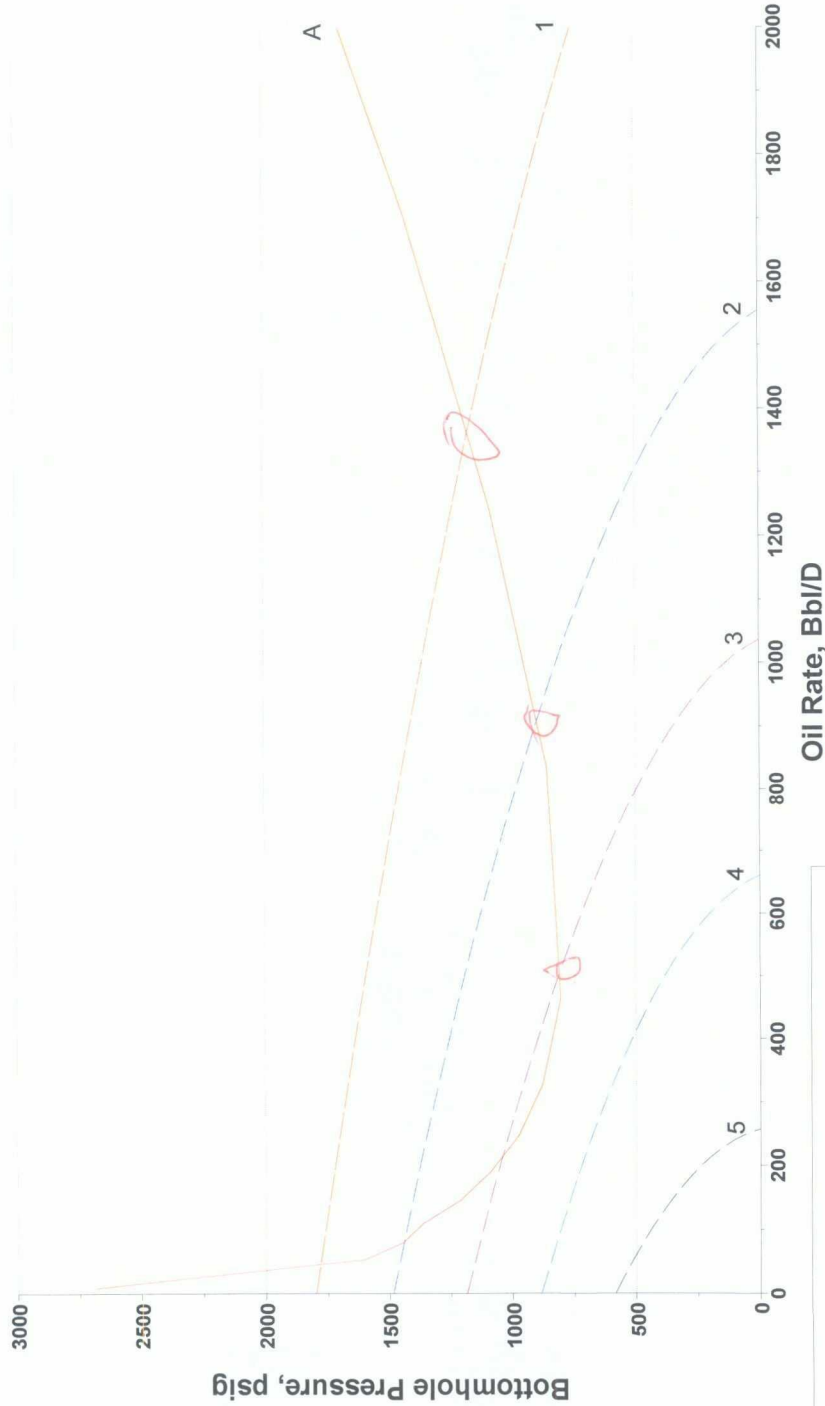
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Inflow @ Sandface (1)
Inflow (1)
Outflow (A)
Case 2 (2)
Case 3 (3)
Case 4 (4)
Case 5 (5)

Inflow
 (1) 1812.7
 (2) 1500.0
 (3) 1200.0
 (4) 900.0
 (5) 600.0

Inflow
 Future Reservoir Press, psia