

Cimarex Energy

PERFORM

Inflow Sensitivity Graph

© 2008

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)

Future Reservoir Press

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. 194

Exhibit No. 194

Reg: Cimarex - Cimarex

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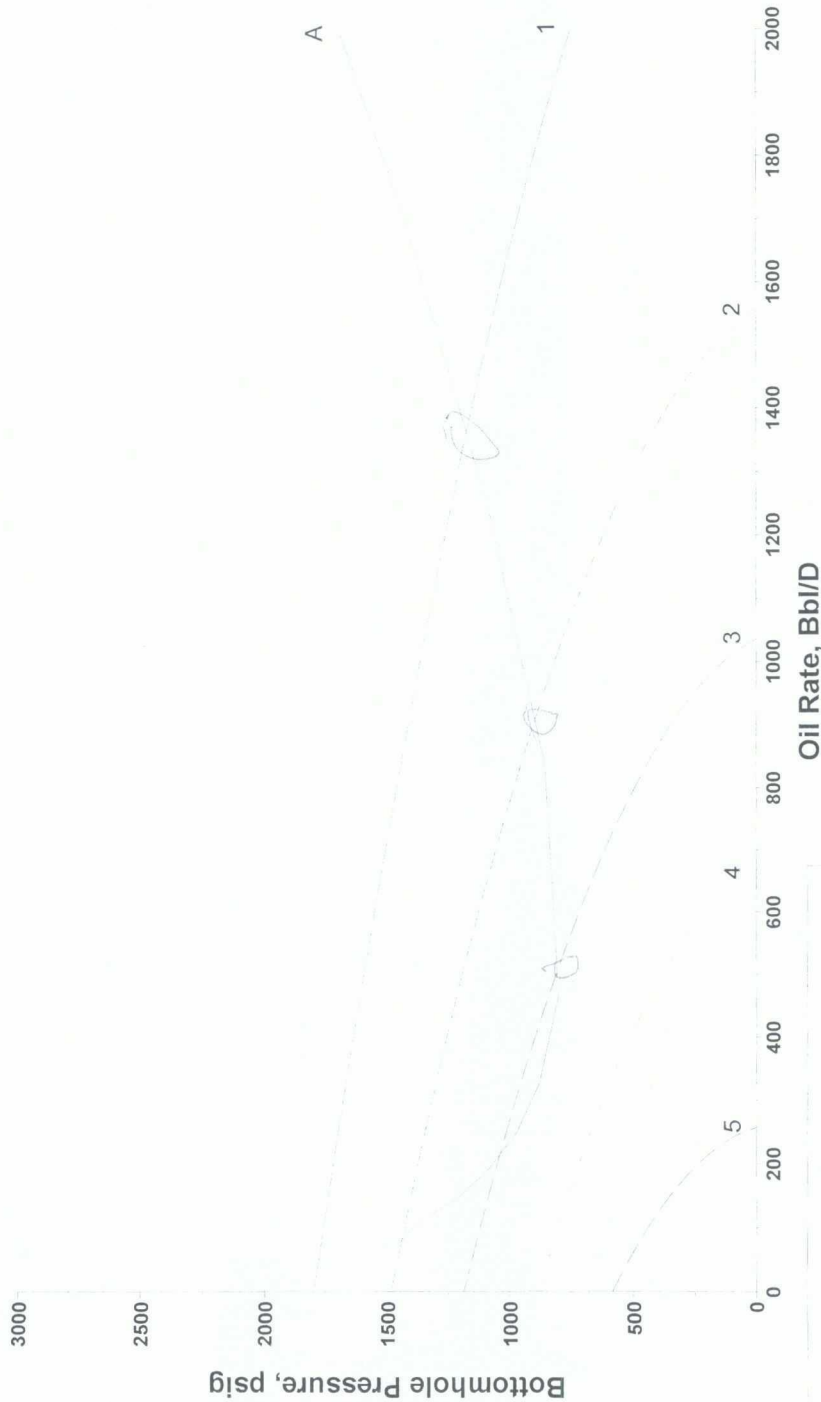
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Inflow @ Sandface (1)

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

Reg: Cimarex - Cimarex