

# Dr. Pooladi-Darvish:

## 38 Total Base, Sensitivity, and "What-if" Cases

25

Primary Parameter	Value	Cum Oil Released (after matching shut-in pressures), MMSTB
BOP ID=2 in (Case-13)	34,100	1.32 (Bad)
Skiv=50 (Case-07)	34,600	1.38 (Bad)
K=175 mD (Case-01)	42,900	4.14 (Bad)
h=25 ft (Case-04)	44,400	4.3 (Bad)
k=360 mD (Case-02)	48,900	4.52 (Bad-Med)
Roughness=0.02 in (Case-17)	48,700	4.70 (Med)
Upper Bound Hydrostatic Error (Case-23)	50,700	4.85 (Med)
h=90 ft (Case-05)	51,100	4.90 (Med-Good)
Lower Bound CS Error (Case-18)	51,600	4.99 (Good)
Porosity (Case 34)	51800	5.00 (Good)
Upper Bound CS Error (Case-18)	52,300	5.03 (Good)
Base Case (Case-00)	52,400	5.03 (Good)
Lower Bound BOP Error (Case-25)	52,400	5.03 (Good)
Upper Bound BOP Error (Case-21)	52,400	5.03 (Good)
High Visc at Low Pressure (Case-10)	52,400	5.05 (Good)
k=600 mD (Case-03)	52,900	5.07 (Good)
Visc=0.16 cp (Case-09)	53,300	5.13 (Good)
Aquifer (Case-06)	53,300	5.14 (Good)
CF=12E-4 1/2 in (Case-11)	53,400	5.15 (Good)
Lower Bound Hydrostatic Error (Case-22)	54,200	5.27 (Good)
Layover (Case-12)	55,400	5.33 (Good-Med)
BOP ID=3.5 in (Case-14)	56,000	5.40 (Good-Med)
Skiv=0 (Case-06)	55,300	5.44 (Med)
BOP ID=4.0 in (Case-15)	56,100	5.50 (Med)
Roughness=0.0006 in (Case-16)	59,800	5.75 (Bad)

Original Report

7

	q July 15, 2004	Cum Oil Released (after matching shut-in pressures), MMSTB
K=238 mD	30000	7.90 (Bad)
OOP=100 MMStb	36000	1.54 (Bad)
Shut-in Pressure	41000	3.97 (Bad)
Combined-Extrapolated	47000	4.30 (Bad)
Combined-Extrapolated-2	52000	4.56 (Med)
PVT	49000	4.73 (Med)
Shut-in Pressure-2	53000	5.02 (Good)
Base Case2	53000	5.08 (Good)

Rebuttal Report

6

	q July 15, 2004	Cum Oil Released (after matching shut-in pressures), MMSTB
Flat BOP	53079	5.20 (Good)
Extrapolated (Correction +966 psi)	98509	4.53 (Med.)
Trusler Restricted BOP	52000	4.43 (Good)
Trusler Extrapolated BOP	53000	4.90 (Good)
Restricted BOP	54000	4.73 (Good)
Extrapolated BOP	53000	5.12 (Good)

Original and Rebuttal Reports