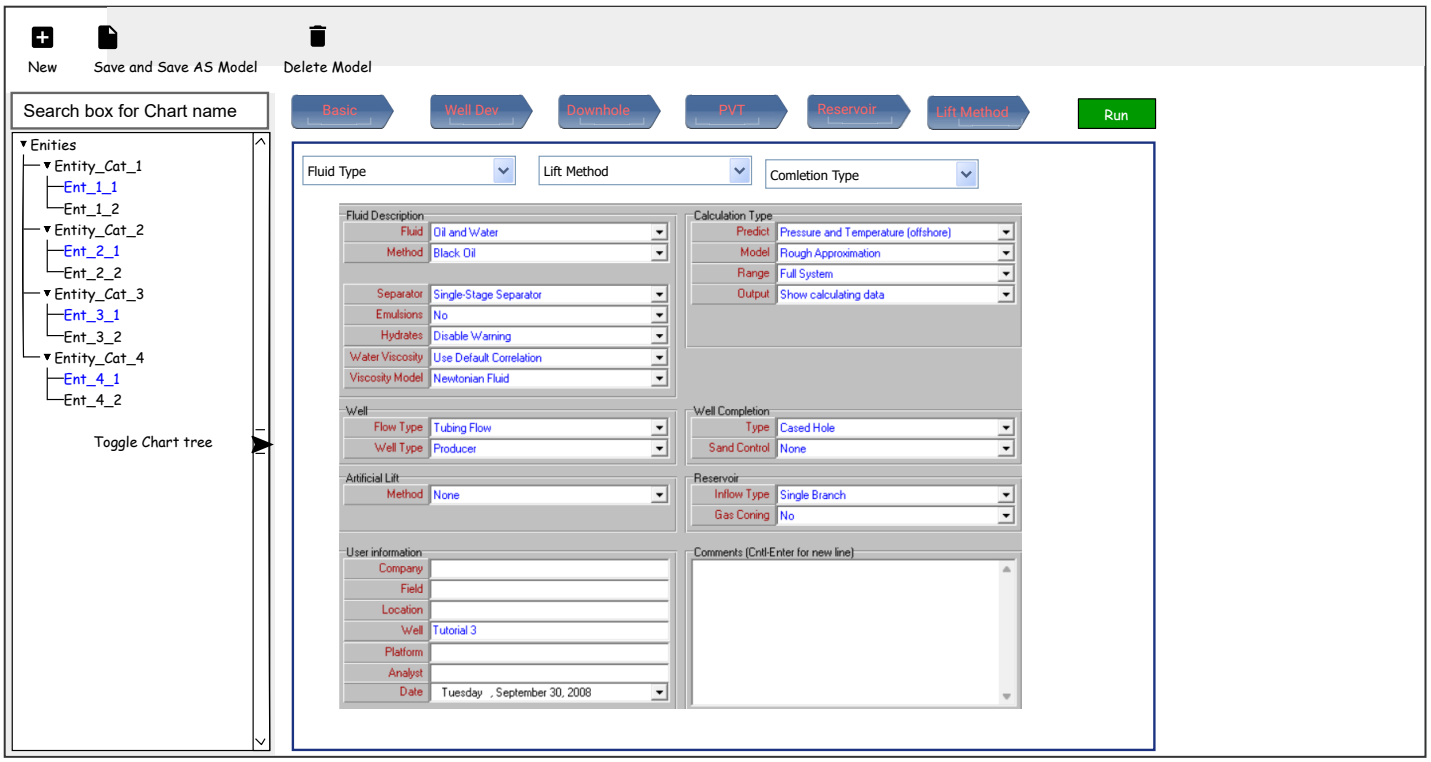
model-builder_v0



WellDev

Input Data

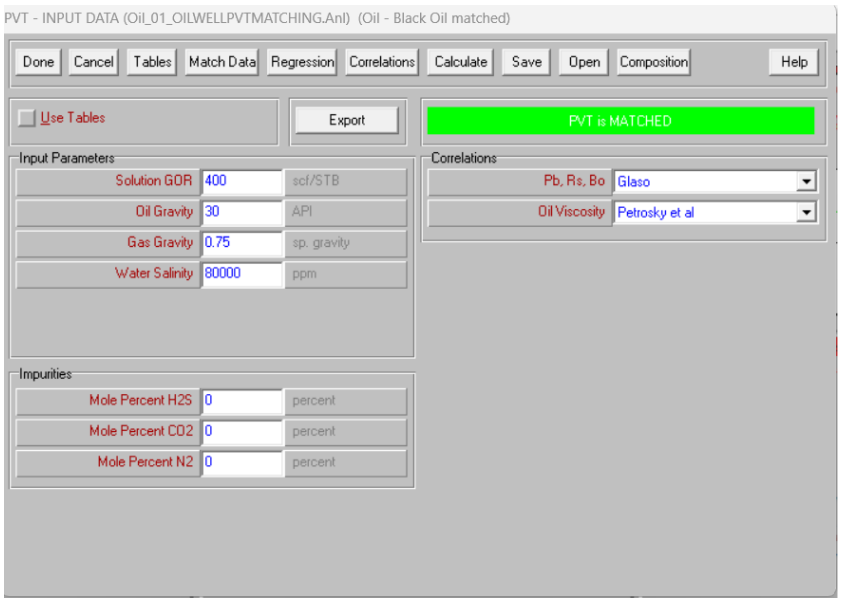
	Measured Depth (feet)	True Vertical Depth (feet)	Cumulative Displacement (feet)	Angle (degrees)
1	0	0	0	0
2	8000	8000	0	0
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Downhole

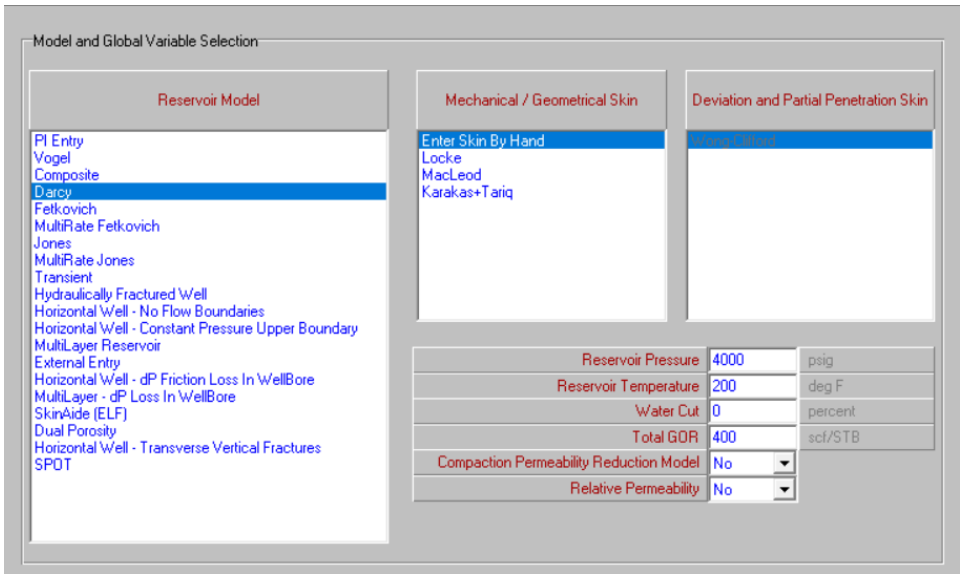
Input Data

	Label	Type	Measured Depth	Tubing Inside Diameter	Tubing Inside Roughness	Tubing Outside Diameter	Tubing Outside Roughness	Casing Inside Diameter	Casing Inside Roughness	Rate Multiplier
			(feet)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)	
1	WellHead	Xmas Tree	0							
2	Tubing	Tubing	7800	3.992	0.0018					1
3	Casing	Casing	8000					8.3	0.0018	1
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										

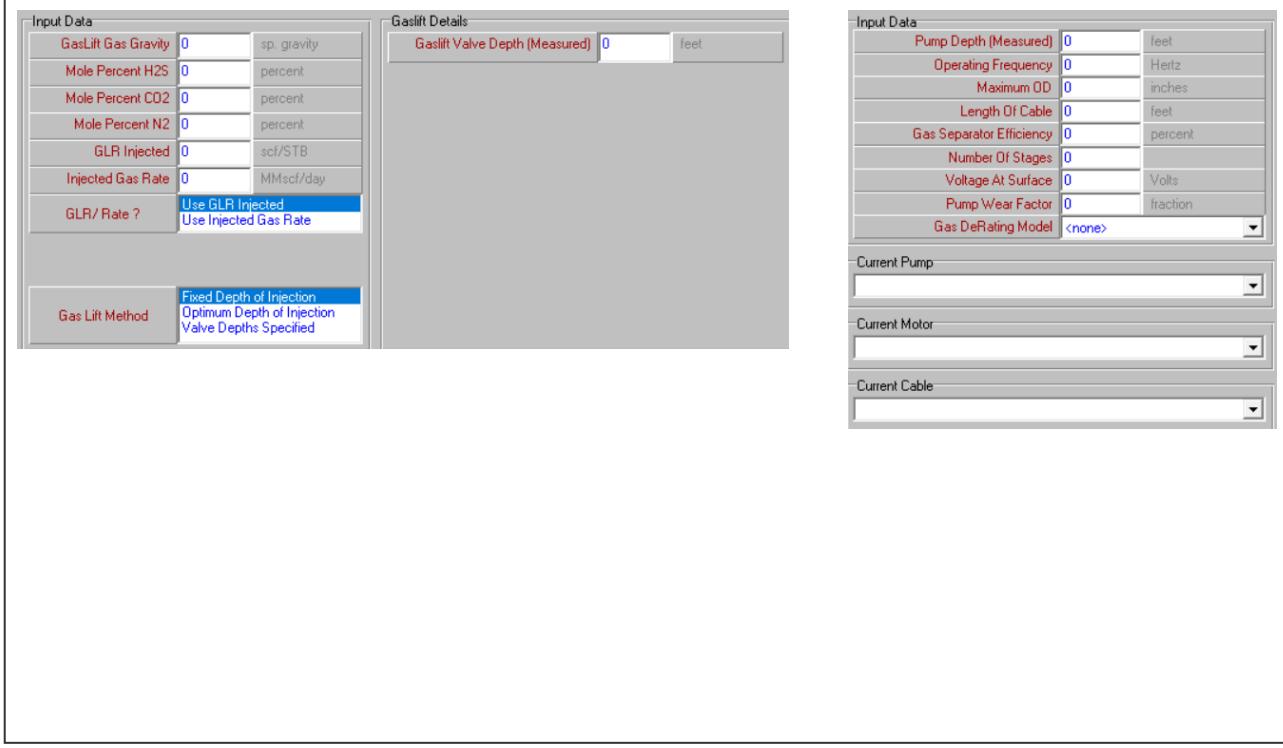
PVT


PVT - INPUT DATA (Oil_01_OILWELLPVTMATCHING.Anl) (Oil - Black Oil matched)
Done
Cancel
Tables
Match Data
Regression
Correlations
Calculate
Save
Open
Composition
Help
Use Tables
Export
PVT is MATCHED
Input Parameters
Solution GOR
400
scf/STB
Oil Gravity
30
API
Gas Gravity
0.75
sp. gravity
Water Salinity
80000
ppm
Correlations
Pb, Rs, Bo
Glaso
Oil Viscosity
Petrosky et al
Impurities
Mole Percent H2S
0
percent
Mole Percent CO2
0
percent
Mole Percent N2
0
percent

Reservoir


Model and Global Variable Selection
Reservoir Model
PI Entry
Vogel
Composite
Darcy
Fetkovich
MultiRate Fetkovich
Jones
MultiRate Jones
Transient
Hydraulically Fractured Well
Horizontal Well - No Flow Boundaries
Horizontal Well - Constant Pressure Upper Boundary
MultiLayer Reservoir
External Entry
Horizontal Well - dP Friction Loss In WellBore
MultiLayer - dP Loss In WellBore
SkinAide (ELF)
Dual Porosity
Horizontal Well - Transverse Vertical Fractures
SPOT
Mechanical / Geometrical Skin
Enter Skin By Hand
Locke
MacLeod
Karakas+Tariq
Deviation and Partial Penetration Skin
Reservoir Pressure
4000
psig
Reservoir Temperature
200
deg F
Water Cut
0
percent
Total GOR
400
scf/STB
Compaction Permeability Reduction Model
No
Relative Permeability
No

Lift Method


Input Data
GasLift Gas Gravity
0
sp. gravity
Mole Percent H2S
0
percent
Mole Percent CO2
0
percent
Mole Percent N2
0
percent
GLR Injected
0
scf/STB
Injected Gas Rate
0
MMscf/day
GLR/ Rate ?
Use GLR Injected
Use Injected Gas Rate
Gas Lift Method
Fixed Depth of Injection
Optimum Depth of Injection
Valve Depths Specified
Gaslift Details
Gaslift Valve Depth (Measured)
0
feet
Input Data
Pump Depth (Measured)
0
feet
Operating Frequency
0
Hertz
Maximum OD
0
inches
Length Of Cable
0
feet
Gas Separator Efficiency
0
percent
Number Of Stages
0
Voltage At Surface
0
Volts
Pump Wear Factor
0
fraction
Gas DeRating Model
<none>
Current Pump
Current Motor
Current Cable

Details of Page

- Entity Navigator
  - Data to be populated from Jason file or local storage
  -
- Model ToolBar
  - will implement later
  -

- Pages
  - Basic - The list of variables with sample data will be provided in separate file either as json object or in excel file.
  - s
-