

THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA

Well Details		Objectives: To repair the flow line of SEIB 002L on F2000A reservoir and restore 853 bopd of production. Scope of Work: - Repair flowline of SEIB 002L with 4" SCH-80	
Field	SEIBOU		
Well	SEIB 002L		
Flowstation	OPUKUSHI FS		
Well type (Oil/Gas)	Oil		
Lift Type	Natural Flow		
Reservoir	F2000A		
Abandonment Watercut	% 90		
Timing	Q1,2017		
Job duration (days)	14 days		
Economic Summary		Flowline Details	
Conduit Production Rate (Bopd)	853	Length (km)	1.2
Reserves (MM bbls)	1.82	Size (inch)	4
Current BSW	% 38	Schedule (no.)	80
Riskd NPV 7% (MM US\$)	-	Total Cost (USD \$)	400,000.
Riskd VIR (-)	-	Account No.	Dev/Eng ENG

Proposal contributors

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Approval

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Justification:

The interval was producing at a rate of 853 bopd; (BSW=38%, GOR=1375scf/ stb, Sand=4pptb, THP =1260psi) on bean 24/64" before it was closed-in due to observed flow-line leak on 23rd April 2015. There is no vertical lift challenge associated with its performance as the current water-cut (38%) is far below the terminal water-cut value (90%) for the conduit. The attached IPR/VLP plot supports these facts and signifies that conduit will flow after flowline repair.

In view of the reserves (1.82MMstb) and 853bopd potential from the interval, the well is proposed for flowline repair.

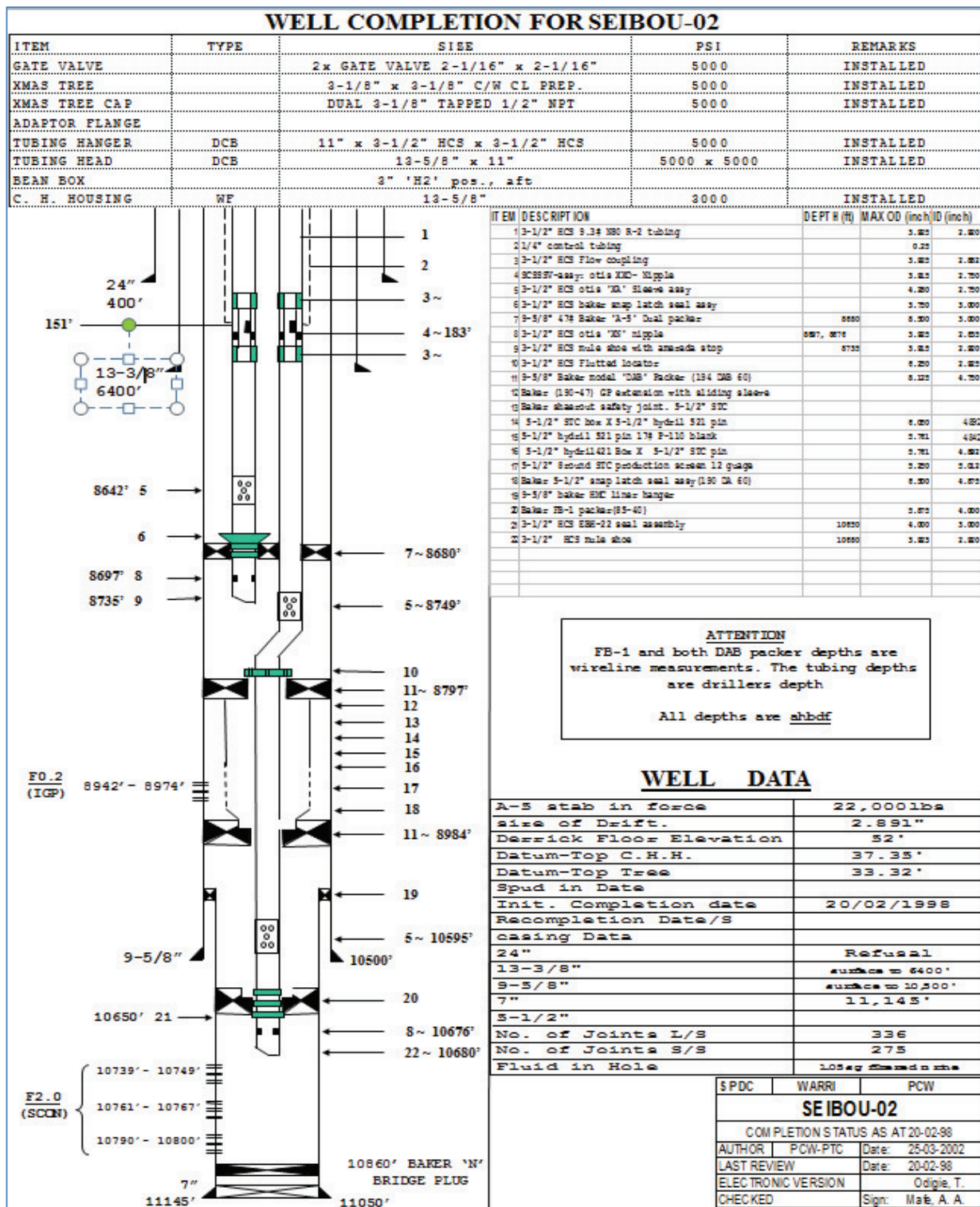
Flowline size and rating

The last recorded oil rate was 853bopd with a FTHP of 1260 psi as at March 2015. No erosional velocity problems or excessive pipeline pressure drops are expected. However, in view of flowline theft menace in this area, it is recommended to install 4" SCH-80 line to deter theft.

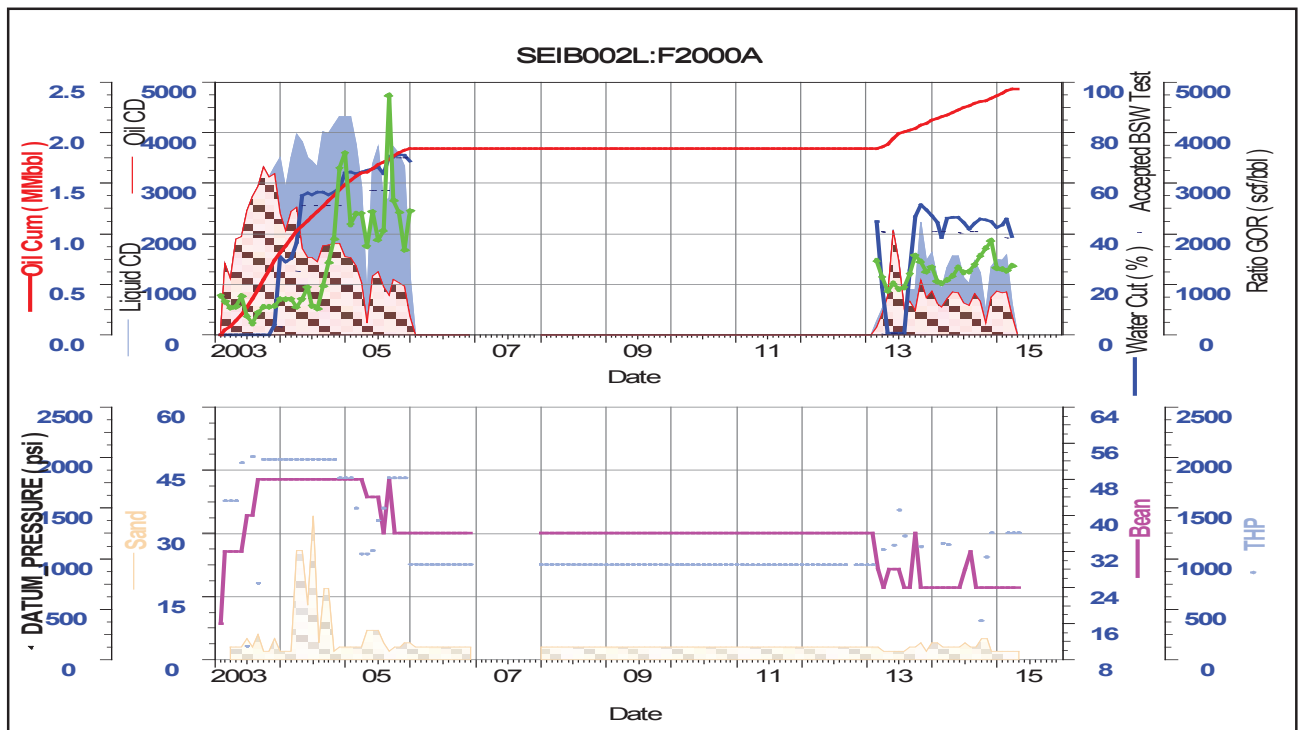
The total cost of flowline replacement is 400,000 USD, assuming 30 USD dollars per barrel it will take 11 days to recover the investment

HSSE Issues: No annular pressure cases recorded. All HSSE procedures for FLRR and well open up should be strictly followed.

ATTACHMENT 1: CURRENT WELL SCHEMATIC



ATTACHMENT 2: PERFORMANCE PLOT FOR SEIB 002S



IPR PLOT

