

## THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGERIA

Well Details		<b>Objectives:</b> To repair the Bulk line of <b>SEIB 003L</b> on F2000B reservoir and restore 1967 bopd of production.  <b>Scope of Work:</b> - Repair Flowline of SEIB003L and Sections the S4 Bulkline with 4" SCH-80 and 6" SCH-80 respectively	
Field	SEIBOU		
Well	SEIB 003L		
Flowstation	OPUKUSHI FS		
Well type (Oil/Gas)	Oil		
Lift Type	Natural Flow		
Reservoir	F2000B		
Abandonment Watercut %	90		
Timing	Q1,2017		
Job duration (days)	21 days		
Economic Summary		Flowline Details	
Conduit Production Rate (Bopd)	1967	Length (km)	21
Reserves (MM bbls)	1.99	Size (inch)	4 & 6
Current BSW %	3	Schedule (no.)	80
Riskd NPV 7% (MM US\$)	-	Total Cost (USD \$)	256,000
Riskd VIR (-)	-	Account No. Dev/Eng	

## Proposal contributors

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## Approval

Name	Function	Signature	Date
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## Justification:

The interval was producing at a rate of 1968 bopd; (BSW=3%, GOR=875scf/ stb, Sand=4pptb, THP =1260psi) on bean 24/64" before it was voluntarily closed-in due to the Forcados Export line outage in Feb 2016. However, there is a need to repair non-integral sections of the S4 Bulkline which evacuates production from SEIB003L. There is no vertical lift challenge associated with its performance as the current water-cut (3%) is far below the terminal water-cut value (90%) for the conduit. The attached IPR/VLP plot supports these facts.

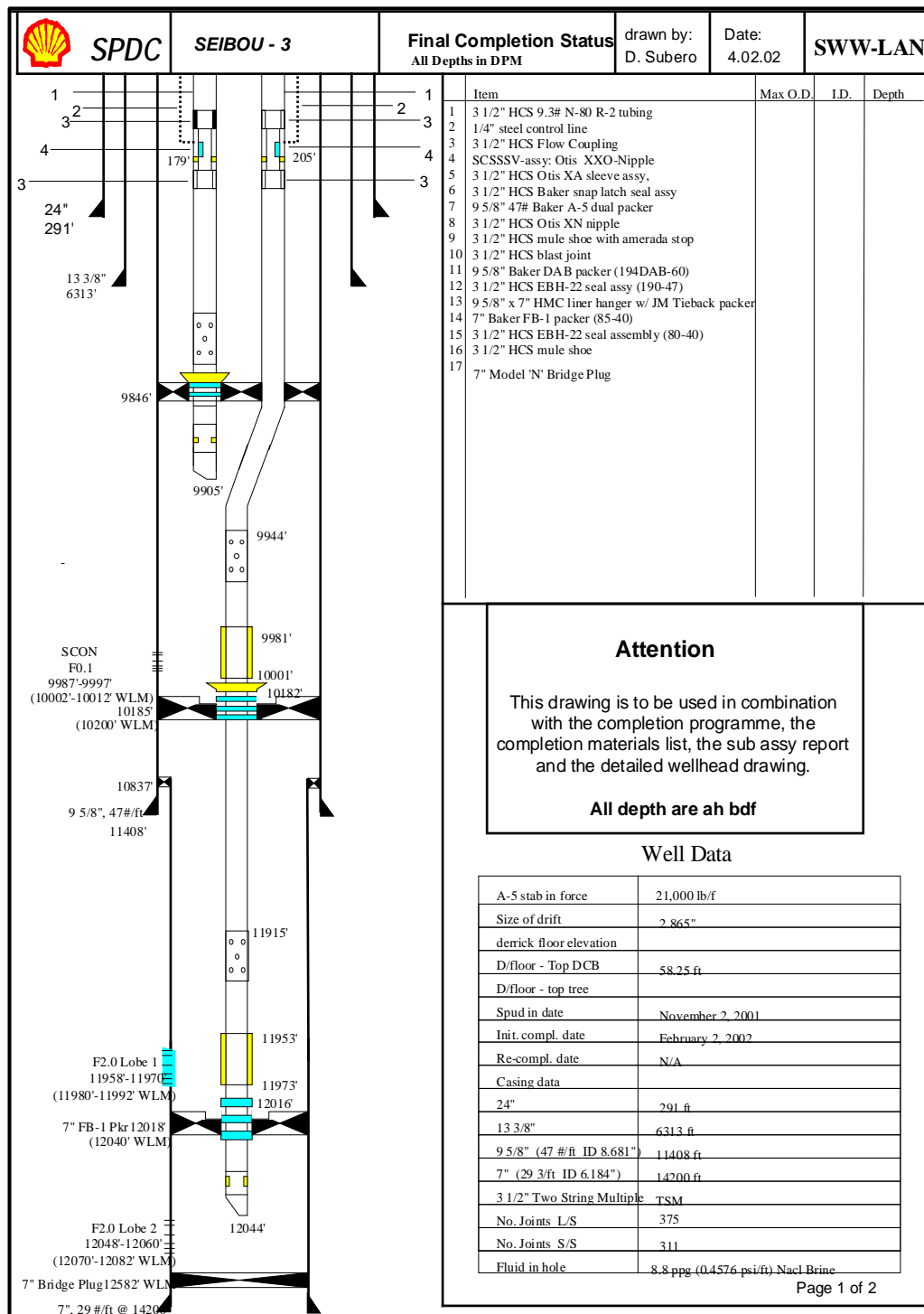
In view of the reserves (1.99 MMstb) and 1967bopd potential from the interval, the well is proposed for Bulkline repair.

Flowline size and rating

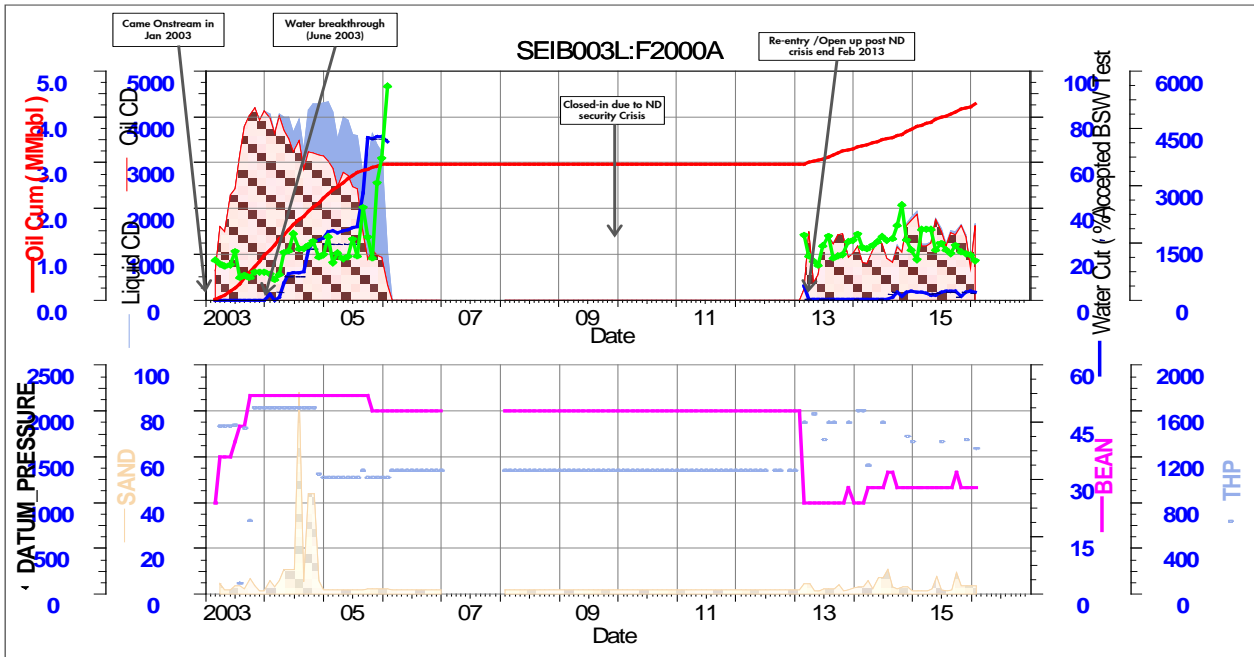
The last recorded oil rate was 1967bopd with a FTHP of 1275 psi as at Jan 2016 welltest. No erosional velocity problems or excessive pipeline pressure drops are expected. However, in view of flowline theft menace in this area, it is recommended to install 6" SCH-80 line to deter theft.

The total cost of Bulkline replacement is 256,000 U\$D, assuming 50 U\$D dollars per barrel it will take 3 days to recover the investment

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

**ATTACHMENT 1: CURRENT WELL SCHEMATIC**

## ATTACHMENT 2: PERFORMANCE PLOT FOR SEIB 003L



## IPR PLOT

