

Well Intercept Sub-Committee eBOOK Revision 4 September 2024

Benny Poedjono, Jamie Dorey

60th General Meeting 25th & 26th of September 2024 New Orleans







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WELL INTERCEPT SUB-COMMITEE



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60th

- Revision 4 DRAFT
- Reviewer Feedback
- Web Publishing: FlippingBook

WELL INTERCEPT SUB-COMMITTEE

Mission

Actively disseminate the **knowledge sharing** of wellintercept good practices for the **industries** and **academia**.



WISC eBOOK Rev 4 – in Review State



Review Objectives

- Ensure comprehensibility. The document is based on American English and other English dialects (ex: written by non-native speaker)
- Graphics must complement the text and help understanding of the subject.

Naming WISC "eBOOK" (trade mark?)

WISC eBook Rev 4 – Front and Back



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Well Intercept SUB-COMMITTEE eBOOK R4

Wellbore Ranging Technologies, Intercept, Applications and Good Practices

WISC eBook Rev 4 – Graphic





WISC eBook Rev 4 – Acknowledgements



Acknowledgements

This eBOOK was compiled by members of the Society of Petroleum Engineers (SPE) Wellbore Positioning Technical Section and International Steering Committee on Wellbore Survey Accuracy, Well Intercept Subcommittee. The acknowledgement captures main authors, some who have contributed to more than one chapter, and we sincerely thank them for their commitment and contributions and for sharing their knowledge. We thank Halliburton for allowing us to use their "Customer Guide to Relief Well Ranging" without copyright violation and to bp and SLB for releasing relevant proprietary documents for public use.

First, second and third revision team;

Adam Row, Alan Gosse, AnaS Sikal, Avinash Ramjit, Benny Poedjono, Chad Hanak, Clinton Moss, Dan Eby, Dan Morrell, Denis Reynaud, Dzevat Omeragic, Geir Instanes, Heather Vannoy, James Towle, Jamie Dorey, Jim Woodruff, Joe Burke, John J. Beauregard, John Wright, Jose Patino Perez, Ludovic Macresy, Michael Long, Mo Amer, Nestor Sanchez, Nicholas Zachman, Patrick Knight, Patrick Walker, Pete Schiermeier, Phil Harbidge, Roger Goobie, Ross Lowdon, Ryan Zallas, Samer Alatrach, Sergey Shabanov, Shawn DeVerse, Son Pham, Tyler Milford and William Allen.

First, second and third revision company contributors;

BAKER HUGES, bp, Blowout Engineers, CLAMPON, ConocoPhillips, EOG Resorces, HALLIBURTON, MagVAR, PathControl, Proximity Drilling Management, SLB, Scientific Drilling, Superior QC, SURCON and WILD WELL CONTROL

Fourth revision team;

AnaS Sikal, Arash Haghshenas, Asbjørn L. Johansen, Benjamin Nobbs, Benny Poedjono, Brett Van Steenwyk, Clinton Moss, Dan Eby, Denis Reynaud, Fabien Momot, Harald Bolt, Jamie Dorey, John Hatteberg, Ludovic Macresy, Luis Felipe Gonzalez, Mahmoud ElGizawy, Nicholas Zachman, Rick Von Flatern, Ted Hebert.

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WISC eBook Rev 4 – Contributors



Contributors

This WISC eBOOK wouldn't be possible without companies' contribution willingness to release their knowledge, lessons learned, good practices, and proprietary documents. Thanks to the organization and members for their time and funding to bring all this knowledge together into one- publication for the industry and academia without restriction.



WISC eBOOK Rev 4 – The Work

- 1. Incorporate Version 3 feedbacks 99%
 - Diagram updates more clarity and better text.
- 2. Surface Intervention 100%
 - As an Appendix
- 3. Active Acoustic Ranging 95%
 - General Principle, Applications, Automated Processing and Multiple Offset Environment.
- 4. Passive Magnetic Ranging 50% (expanded)
 - Section 2.8, PMR 3D Processing Technique
 - PMR Processing
- 5. Multiple Ranging Technologies application 95%
 - Update and new
- 6. Ranging Technology Summary Table 95%
 - Updated, add ARR
- 7. Ranging Conveyance 95%
 - Drill Pipe, Coil Tubing and Wireline

WISC eBOOK Rev 4 – The Work



- Introduction 99%
- Section 1.6.10, Advanced Geothermal System
- 9. Digitalization: Key to streamline the data sharing, collaboration and decision making process-95%
 - Section 8.1.3, Digitalization
- 10. Planning Phase 50% (expanded)
 - Section 8.4.1.6, Managing 3D Positional Uncertainty (Replaced old Figure 82)
 - PMR Planning

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- 11. eBOOK comprehensibility from beginning to the end 99%
 - American English and other English dialects (ex: written by non-native speaker)
- 12. eBOOK graphics 90%
 - Complement the text and help understanding of the subject

WISC eBOOK R4 – Budget vs Spending



Proposal for eBook Revision 4 writer

SPE Wellbore Positioning Technical Section

Presented on January 22, 2024

Introduction

The following is a proposal from Rick Von Flatern, 507 Mountain View Drive, Horseshoe Bay, Texas 78765 to the SPE Wellbore Positioning Technical Section to act as writer and editor of revision 4 of the Well Intercept Sub-Committee (WISC) eBook.

Scope of Work

As writer/editor, Rick Von Flatern, will review and edit all material submitted by volunteer SME (subject matter experts) for writing, and consistent style and language throughout the *WISC eBooks Revision 4*.

The writer will also be available to advise SMEs and the team on content creation and attend in-person meetings when deemed necessary by the team leader.

The works divided into 2 Phases; Phase#1 and Phase#2 with the details are outlined in the cost estimate. The estimated hours are for the budgetary purpose only, it could be shorter, however the team should maintain within the allocated budget.

Deliverables

The following breakdown specifies those sections of text for which the writer is responsible along with the estimated hours and charges for same. The writer will correct text, including for graphics, for grammar, syntax, spelling, clarity, etc. to ensure creation of a publishable-quality product.

In addition, reasonable other expenses; travel and outsource services (graphics), as per agreement of the team leader, will be billed to the project when applicable.

WIS	SC eBook	Revision 4 - Technical Writer Co	st E	stimate				
No.	Chapter	Description	н	lourly Cost (\$)	Estimate (Hrs.)	Cos	t Estimate (\$)	
1		Version 3 Feedbacks	Ś	110.00	(
	3.2.5.1	To add wireline cable specifications	<u> </u>		2	\$	220.00	
	7.2.1 7.2.2 8 1.2	Rewrite. Make generic measured point distance to bit Rewrite. Make generic measured point distance to bit Figure 82 and explanation. Rewrite Change to 3D Wellbore Positioning		• Wa	Ŭ	npleted on Feedbacks dget, spending		
	8	Change, adding 3D Wellbore Positioning details Add U-Tube details		≈ \$	penang			
1a	9.4.1	Workshop/Conference Call	H					
1a 2		New Addition	Н	• Savi	ing			
-	Appendix	Surface Intervention	H		house graphics and technica			
2a	Appendix	Workshop/Conference Call	H		-			
3		New Addition/Update Acoustic Ranging	 editor then Technical Writer Sponsorship 					
	1.3							
	5	Acoustic Ranging	H	100 C	ration			
3a		Workshop/Conference Call			Face-to-face collaboration			
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4		New Addition/Update		_		-		
	2.6	Passive Magnetic Ranging processing utilize 3D Distribution Technique		 Require Web Publishing FlippingBook (\$530.00/year) 				
4a		Workshop/Conference Call						/ /
5		New Addition						
	1.5	Advanced Geothermal System			2	\$	220.00	
	1.6.10	Details of Advanced Geothermal System			22	\$	2,420.00	
5a		Workshop/Conference Call			14	\$	1,540.00	
			To	tal Phase #2	58	\$	6,380.00	
				10 C C C C C C C C C C C C C C C C C C C			and the second sec	

Total Phases 148 \$

16.280.00

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WISC eBOOK R4 – Draft Publishing







WISC eBOOK R4 – Web Publishing



SPE WPTS Board Members to VOTE

- FlippingBook.com?
- Finance from the existing budget?
- IWP eBOOK ?

