Depth: (Hole Name :	Missio coo	21B	Lat.	**	°10.0555'N	Exp. No. : Long.	Exp 338 13	6°39.8610'E			Rep	t Date :	100 9/Jan/2013
Depth : (C0021 3,167.00 3,167.00		94.50	mbsf mbsf		67.00	m	Seabed Depth: pring/Jetting Hrs. :	2,972.50	mBRT hrs	F		28.5	m x		- mBRT)	3 /Jan/2013
	Summ Present Op	ary of Operation peration to 06:00	on	8-Jan 9-Jan		PCS core (#7-#12 t 5-1/2*DP) and EPCS core									mBRT: I	meter below rotary table	
From	To	eakdown (00:00 Hrs	Code		Detail of Opera											mbsf: m	neter below sea floor	
0:00 0:15	0:15 0:45	0:15 0:30	Core Core(Othe	r) Recover	r inner barrel, 3	0spm x 0.9-1.5M	Pa.			with 40spm, pres	ssure increase 17.6N	Pa and shoot HPCS	inner barrel. Overp	oull on CLW assis	it by DW180kN.			
D:45 1:00	1:00 1:45	0:15 0:45	DRL C&C	Sweep 5	5m3 SWG, 100	SRT. Pump: 60sp Ispm x 2.4-2.8MF	a.											
1:45 2:15	2:15 2:30	0:30	Core(Othe Core) Run HP	CS inner barre	I with sinker bar (flow control valve	open x 3ea a	nd 2 shear pin). ine BOP and pum	n with 40snm n	ressure increase 24	3MPa and shoot HPC	S inner harrel Ov	erpull on CI W a	sist by DW 130k	N		
2:30	3:00	0:30	Core(Othe	r) Recover	r inner barrel. I ion 30spm x 0.4	Meanwhile, drill d	own to 3119.0ml	RT, WOB: 0-5	50kN, Pump: 30sp	m x 0.3-1.4MPa	HPS: 40spm x 1.2-	.5kN-m.						
:30	4:00	0:30	Core(Othe) Run HP	CS inner barre	I with sinker bar (flow control valve	open 3 ea ar	id 2 shear pin).									
:00 :15	4:15 4:30	0:15 0:15	Core Core(Othe	Cut #9 H Recover	HPCS core (31 r inner barrel, 1	19.0-3127.5mBR 0spm x 0.4MPa.	T, 146.5-155mbs	 Close corel 	line BOP and pum	p with 40spm, p	ressure increase 20.	5MPa and shoot HPC	CS inner barrel. Ov	erpull on CLW a	sist by DW 212k	:N.		
30 45	5:45 6:15	1:15 0:30	Core(Othe Core(Othe	 Replace Run HP 	CS inner barre	Ospm x 0.4MPa. due to seal dama I with sinker bar (ge. Meanwhile, flow control valve	circulation 30s : fully open ar	pm x 0.3MPa. nd 2 shear pin).									
15	6:30	0:15	Core		Meanwhile, dri	I down 3119.0-3	27.5mBRT. WO	3: 10-550kN,	Pump: 60spm x 1.	0-2.3MPa, HPS	: 40rpm x 1.0-6.9kN	m. MPa and shoot HPC	S inner harrel Ov	emulion CIW as	sist by DW 230k	N		
30 30	7:30	1:00	Core(Othe DRL	r) Recover	r inner barrel, 7	spm x 0.7MPa. 0	Core cannot be lo	aded because	core liner stuck in	inner barrel.								
45	8:00	0:15	C&C	Sweep 5	5m3 SWG, 100	lspm x 2.6MPa.	swo sins. Punj	. dospin x 0.d	-2.9MPa, HPS: 40	ipiii x 0.4-6.3kiv								
00 30	8:30 9:15	0:30 0:45	Core(Othe C&C	Circulati	ion 100snm v 2	5MPa while atte	mot to unload #1	0 HPCS core	herause core liner	stuck in inner h	arrel (cannot unload							
15 45	9:45 10:00	0:30 0:15	Core(Othe Core	r) Run HP Cut #11	CS inner barre HPCS core (3	l with sinker bar (137-3142mBRT,	flow control valve 164.5-169.5mbsf	open x 3ea a Close coreli	nd 2 shear pin). ne BOP and pump	with 40spm, pr	essure increase 18.6	MPa and shoot HPC	S inner barrel. Ove	erpull on CLW as	sist by DW 190k!	N.		
00	11:30 11:45	1:30	Core(Othe DRL						in inner barrel. HPS: 60rpm x 0.7									
45	13:45	2:00	C&C	I Sween o	out 10m3 of SV	VG with 180snm	x 8 3MPa		parrel with heating									
45	14:30	0:45	Core(Othe) Run HP	CS inner barre	I with sinker bar (flow control valve	full close and	2 shear pin).									
30 45	14:45 16:15	0:15 1:30	Core Core(Othe) Recover	r inner barrei.	Lore cannot be id	aded because c	ore liner stuck	in inner barrei.		essure increase 21.8	MPa and shoot HPC	S inner barrel. Ov	erpull on CLW as	sist by DW 250ki	N.		
15 45	16:45 17:00	0:30	DRL Core(Othe	Drill dow	CS inner harre	Pumping with (SOsom y 0.4MPa	Landing after	HPS: 40rpm x 0.4- 15min, pressure i	ncrease to 9 0M	Pa. Run sinker bar a	nd stand-by at 1710	m.					
:00	17:30 18:00	0:30	Core(Othe	Pull sink	ker bar to use w	vireline ball valve 148-3157.5mBRT	(leakage from w	per).										
:30	19:45	1:45	Core Core(Othe	Gul #13	WOB: 10-100k	N, Pump: 30spm	x 2.3-5.5MPa, H	PS: 40rpm x 0	.0-8.8kN-m, ROP	ave 43.8m/hr.								
:45	20:00	0:15	C&C	Sweep o	uner parrel (E out 10m3 of SV	VG with 200spm	iker bar into inne k 10.2MPa.	n parrel assen	nbly).									
:00 :30	20:30 21:00	0:30 0:30	Core(Othe Core	Cut #14	EPCS core (3)	157.5-3167mBR1	, 185-194.5mbsf).	15min, pressure i		Pa.							
:00	22:30	1:30	Core(Othe) Recover	WOB: 15-95kN r inner barrel (F	I, Pump: 30spm) Difficult to latch si	2.4-2.8MPa, HP	S: 0.5-7.3kN-i	m, ROP ave 36m/t hbly).	ır.								
:30	24:00	1:30	P&A			24m3 and displace												
				No.	Core System	Core on Deck		(mBRT)	Advance		ecovery			Lithology				Remarks
				7	HPCS	00:29	from 3,100.0	to 3,109.5	m 9.5	m 10.21	% 107.5		Darl	k greenish gray f	rm clay			Remarko
				8	HPCS HPCS	03:09 04:35	3,109.5 3,119.0	3,119.0 3,127.5	9.5 8.5	10.15 9.6	106.8 112.9		Darl	k greenish gray f k greenish gray f	rm clay			
				10	HPCS HPCS	06:51 10:27	3,127.5 3,137.0	3,137.0 3,142.0	9.5 5.0	N/A N/A	N/A N/A		Darl	k greenish gray f k greenish gray f	rm clay			er barrel, pump inner barrel her barrel, heat inner barrel.
				12	HPCS	15:04	3,137.0	3,142.0	6.0	N/A	N/A			k greenish gray f			Stuck in inn	er barrel, pump inner barrel ve core(6m) by pump.
				13	EPCS	19:32	3,148.0	3,157.5	9.5	8.23	86.6		Darl	k greenish gray f	rm clay		- Conc	te euclein) by pump.
		reakdown (00:00					3,157.5 0:00 - 06:00 is ur	3,167.0 official.	9.5	9.5	100.0		Dark green	ish gray firm clay	with hille sand			
From 0:00	To 6:00	Hrs 6:00	Code Other		Detail of Opera	ation P (80jts) while P	DOH.											
			Oulei	Lay Out	0 112 0 100 0						(autor) 120 140aa							
				Lay Out	Meanwhile, (02:00-	-02:15) circulate :	sea water (2 time	s of string volu	ume) @2833.5mBl	RI (above the se	sawater), 120-140sp	m x 2.5-4.6MPa.						
			Guier	Lay out	Meanwhile, (02:00-	-02:15) circulate Start drift 0.5knc	sea water (2 time t for mitigate vibr	s of string volu ation.	ume) @2833.5mBl	RI (above the se	sawater), 120-1405p	m x 2.5-4.6MPa.						
					Meanwhile, (02:00-	02:15) circulate Start drift 0.5knc	sea water (2 time t for mitigate vibr	s of string volu ation.	ime) @2833.5mBl	RT (above the se	sawater), 120-1405p	m x 2.5-4.6MPa.						
					Meanwhile, (02:00-	02:15) circulate Start drift 0.5knc	sea water (2 time t for mitigate vibr	s of string volu ation.	ıme) @2833.5mBi	RI (above the s	sawater), 120-140sp	n x 2.5-4.6MPa.						
					Meanwhile, (02:00-	02:15) circulate Start drift 0.5knc	sea water (2 time t for mitigate vib	s of string volu ation.	ime) @2833.5mB	RI (above the s	awater), 120-1405p	n x 2.5-4.6MPa.						
					Meanwhile, (02:00-	02:15) circulate Start drift 0.5knc	sea water (2 time t for mitigate vib	s of string volu ation.	ume) @2833.5mB	RI (above the s	awater (, 120-1405p	n x 2.5-4.6MPa.						
	20			IADC	Meanwhile, (02:00- (3:00-)	Start drift 0.5km	t for mitigate vib	s of string volu ation.	ume) @2833.5mBl	HI (above the s	wob (kN)	n x 2.5-4.6MPa.	Total Rev.	1		Dull C	Condition	
rd	i) N	AFR T)	pe		Meanwhile, (02:00-	02:15) circulate Start drift 0.5knc Nozzles 4 x 16	Depth From	ation.			Min. Max.	Min. Max.	Total Rev. (krev) 3.9	Inner	Outer	Dull C	Condition	O.D.
rd Siz (in) 11.43 xord	i) N	ERRA C	pe	IADC Code 537	Meanwhile, (02:00- (3:00-) S/No. CZ059	Start drift 0. 5km Nozzles 4 x 16	Depth From 2972.50	(mBRT) To 3167.00	Meter- age 194.5	Hrs. 3.50	Min. Max. 0 100	Min. Max.	(krev)		Outer	Dull Loc.	Condition B G I	OD. 3,1600
rd Siz (in 11.43 cord ESCS	i) N 375 ULT	ERRA C	pe C3 barrel	IADC Code 537 x Landing su	Meanwhile. ((2:20) (3:00-) S/No. C2059 ub x Top sub x H	Nozzles 4 x 16 ead sub x 8-1/2*D/	Depth From 2972.50 2(11) x XO x 5-1/2	(mBRT) To 3167.00	Meter- age 194.5 x 5"DP S-140 27 st	Hrs. 3.50 ds x 5-1/2*DP S-1	Min. Max. 0 100 50	Min. Max. 10 50	(krev) 3.9		Outer	Dull Loc. Hook Wt BHA below 8-	B G t. (kN) @24:00 -1/2"DC	
rd Siz (in 11.43 cord ESCS) perties Mud 1	n) N 375 ULT RR5c Type	ERRA C	pe C3 Depth (mBRT)	IADC Code 537 X Landing su	Meanwhile. ((2:00) (3:00-) S/No. C2059 Jb x Top sub x H	Nozzles 4 x 16 ead sub x 8-1/2*D YV Get (10°,	Depth From 2972.50 C(11) x XO x 5-1/2 St. 10) WL	(mBRT) To 3167.00 DP S-150 (12) Cake pH	Meter- ago 194.5 x 5'DP S-140 27 at Pf	Hrs. 3.50	Min. Max. 0 100	Min. Max.	(krev) 3.9 Temp	n	к	Dull Loc. Hook Wt BHA below 8- Hook loc Hook bio	B G t. (kN) @24:00 -1/2"DC	
rd Siz (in 11.43 cord ESCS) perties Mud 1 SW/ kill m	N) N N375 ULT RR5c Type IG nud	Core Bit x bit sul	pe	IADC Code 537 x Landing su	Meanwhile. ((2:20) (3:00-) S/No. C2059 ub x Top sub x H	Nozzles 4 x 16 ead sub x 8-1/2*D YV Get (10°,	Depth From 2972.50 2(11) x XO x 5-1/2	(mBRT) To 3167.00	Meter- age 194.5 x 5'DP S-140 27 st Pf CL	Hrs. 3.50 ds x 5-1/2*DP S-1	Min. Max. 0 100 50	Min. Max. 10 50	(krev) 3.9	n 0.23 10	к	Dull Loc. Hook Wt BHA below 8- Hook los	B G t. (kN) @24:00 -1/2*DC ad	
rd Siz (in 11.43 perties Mud 1 SW/ kill m mps : 14-F)) N 375 ULT RR5c Type 1G nud P-220 @	Core Bit x bit sul	pe Depth (mBRT) Pit Pit 4,	IADC Code 537 x Landing sc MW 1.04 1.30 8 gallon	Meanwhile, (02:00) (3:00-) S/No. C2059 Jb x Top sub x H VIS PV 84 8 72 27	Nozzles 4 x 16 YV (Get) YV (Get) 38 10 18 5 Persona 5	Depth From 2972.50 2(11) x XO x 5-1/2 St. 10') 11	(mBRT) To 3167.00 "DP S-150 (12) Cake pH 11.0	Meter- age 194.5 x 5'DP S-140 27 at Pf CI- Mud Materials on	Hrs. 3.50 ds x 5-1/2*DP S-1 Sand Oil	Min. Max. 0 100 50 Solid	Min. Max. 10 50	(krev) 3.9 In Out 17 18 (unit: kg)	n 0.23 10	K .87	Dull Loc. Hook Wt BHA below 8- Hook loc Hook bio	B G t. (kN) @24:00 -1/2*DC ad	3,160.0
rd Siz (in 4 Siz Soord ESCS Mud 1 SW kill m nps : 14-F	n) N 375 ULT RR5c Type (G nud P-220 @ Size S	TERRA C	pe 23 Depth (mBRT) Pit 9t 4: 9M	IADC Code 537 X Landing su MW 1.04 1.30	Meanwhile, (Q2:00) (3:00-) S/No. C2059 Ub X Top sub X H VIS PV B4 8 772 27 Xnn Vel. (m/min)	Nozzles 4x16 4x16 vv (0°) 38 10 11 5 Pesson COEX COEX MOJOT	Depth From 2972.50 2(1) XO X6-1/2 C(1) XO X6-1/2 10) WL 11 14 10 124	(mBRT) To 3167.00 "DP S-150 (12) Cake pH 11.0	Meter- age 164.5 x 5'DP S-140.27 st Pf Cl- Mud Materials on Rem Barrie (Bulk)	Hrs. 3.50 ds x 5-1/2"DP S-1 Sand Oil Board @24-00hrs	Min. Max. 0 100 50 Solid K+ Received 0	Min. Max. 10 50 LGS MBC Used 0	(krev) 3.9 In Out 17 18 (unit: kg) Stock	n 0.23 10 0.68 0. 312,000	K .87 66 Heli Informa	Duil Loc. Hook Wi BHA below 8- Hook loc Hook loc Cutting skip @24:00	B G	3,160.0 3,160.0 (2) Shingu total
rd Sizi cord ESCS Mull 11.42 SWW 11 SWW 11 S	N) N N N N N N N N N N N N N N N N	Core Bit x bit sul Time 3112.5 mBRT SPM Gi	pe 23 Depth (mBRT) Pit 4: 2M	IADC Code 537 x Landing su MW 1.04 1.30 8 gallon Press.	Meanwhile, (Q2:00) (3:00-) S/No. CZ059 bb x Top sub x H VIS PV 84 8 72 27 XAn. Vel. (m/min) DC DP	Nozzłes 4 x 16 eed sub x 8-1/2'D' YV Ged (10') 18 5 Personno COEX: MOJ cm MOJ cm MOJ cm MOJ cm	Depth From 2972.50 2(1) XO X6-1/2 C(1) XO X6-1/2 10) WL 11 14 10 124	(mBRT) To 3167.00 TDP S-150 (12) Cake pH 11.0 10.2 9 9 9 9 6 5 3	Meter- age 194.5 x 5'DP S-140 27 at Pf CI- Immeter Child Rame (Bulk) Kunge VO (Bulk) Lime	Hrs. 3.50 ds x 5-1/2"DP S-1 Sand Oil Board @24-00hrs	Min. Max. 0 100 50	Min. Max. 10 50 LGS MBC Used 0 0 0	(krev) 3.9 Temp In Out 17 18 (unit: kg) Stock	n 0.23 10 0.68 0. 312,000 18,000 1,400	K .87 66 Heli Informa Fit. No.	Duil Loc. Hook Wi BHA below 8- Hook loc Hook loc Cutting skip @24:00	B G t. (kN) @24:00 -1/2*DC ad	3,160.0
rd Sizz (in (11.42 coord SESCS) : SWW kill m mps : 14-PF Liner 3 6° 6°	N) N 375 ULT RR5c Type rG rG P-220 @ Size S 	Core Bit x bit sul Time 3112.5 mBRT SPM Gi	pe 23 x core barrel (mBRT) Pit Pit Pit Pit	IADC Code 537 x Landing st MW 1.04 1.30 B gallon Press. (MPa)	Meanwhile, (Q2:00) (3:00-) S/No. C2059 Ub X Top sub X H VIS PV B4 8 772 27 Xnn Vel. (m/min)	Nozzles 4 x 16 vv Get vv Get 18 6 19 6 COEx MGJ Crr MGJ Crr MGJ Crr	Lor mitigate vib Poeph From 2772.50 2772.50 2711 x X0 x 5-1/2 St 10) 11 14 16 174 18 19 11 14 16 17 11 14 19 14 19 14 19 10 11 14 19 11 14 19 100 100 11 14 19 100	(mBRT) To 3167.00 DPS-150 (12) Cake pH 11.0 10.2 9	Meter- age 198.5 198.5 STOP S-140.27 at Pf CL Pf CL CL Mud Materials on Barrin (Bulk) Kunigek VC (Bulk) Kunigek VC (Bulk)	Hrs. 3.50 ds x 5-1/2'DP S-1 Sand Oil Board @24-00hn)	Min. Max. 0 100 50 Solid K* Received 0 0	Min. Max. 10 50 LGS MBC Used 0 0 0	(krev) 3.9 Temp In Out 17 In 18 (unit: kg) Stock	n 0.23 10 0.68 0. 312,000 18,000 1,400 14,000 0/0/600	K .87 66 Heli Informa Fit.	Dull Loc. Hook Vit BHA Delow 8- Hook loc Hook loc Utting skip @24-00	B G C C C C C C C C C C C C C C C C C C C	(2) Shingu total Passen
rd Sizz (in in 4 Sizz (in 1.4 SW) SW) Mult In SW) Mult In SW Mult In SW Mult In SW SW STAR STAR STAR STAR STAR STAR STAR STAR	N) N 375 ULT RR5c Type rG rG P-220 @ Size S 	Core Bit x bit sul Time 3112.5 mBRT SPM Gi	pe 23 x core barrel (mBRT) Pit Pit Pit Pit	IADC Code 537 X Landing st X Landing st MW 1.04 1.30 1.30 R gallon Press. (MPa) 8.2	Meanwhile, (Q2:00) (3:00-) S/No. CZ059 bb x Top sub x H VIS PV 84 8 72 27 XAn. Vel. (m/min) DC DP	Nozzles 4 x 16 ead sub x 8-122D YV Gel 18 6 198 10 18 6 MGJ 2rc MGJ 7rc MGJ 7rc MGJ 7rc MGJ 7rc MGJ 7rc MGJ 7rc MGJ 7rc	St. WL 11 14 14 14 14 14 15 WL 11 14 14 14 15 WL 11 14 13 14 14 14 15 IOD 16 DEPCH 11 14 11 14 12 DEPCH 13 INDEPCH 14 INDEPCH	(mBRT) To 3167.00 DP S-150 (12) Cake pH 11.0 10.2 9 9 9 9 9 5 3 20	Meter- age 194.5 x 5*DP S-140.27 st Pf Cl- Bante (Bulk) Kaunge-VO (Bulk, Lime Kaunge-VO (Bulk, Lime Rame (Bulk) Tel-Polymer DX/1 XCD-Polymer DX/1	Hrs. 3.50 ds x 5-1/2'DP S-1 Sand Oil Board @24-00hn)	Min. Max. 0 100 50	Min. Max. 10 B0 LGS MBC Used 0 0 0 000 0 0 0	(krev) 3.9 Temp In Out 17 In 18 (unit: kg) Stock	n 0.23 10 0.68 0. 312,000 18,000 14,000	K .87 66 Heli Informs Fit. No. 1 2 3	Dull Loc. Hock WI BHA Betroit Hock bio Hock bio Cutting skip @24.00 Cutting skip @24.00 Cutting skip @24.00 Cutting skip @24.00 Cutting skip @24.00	B G C C C C C C C C C C C C C C C C C C C	(2) Shingu total Passen
rd Sizz (in in 4 Sizz (in 1.4 SW) SW) Mult In SW) Mult In SW Mult In SW Mult In SW SW STAR STAR STAR STAR STAR STAR STAR STAR	N) N 375 ULT RR5c Type IG P-220 @ Size Size Size 1 tion	Core Bit x bit sul Time 3112.5 mBRT SPM Gi	pe C3 x core barrel (mBR1) Pit Pit 22M 36	IADC Code 537 X Landing st X Landing st MW 1.04 1.30 1.30 R gallon Press. (MPa) 8.2	Meanwhile, (Q2:00) (3:00-) S/No. CZ059 bb x Top sub x H VIS PV 84 8 72 27 XAn. Vel. (m/min) DC DP	Nozzles 4 x 16 vv Get vv Get vv Get x102 Second www.com Mag Mag COEX Mag Mag	St. WL 11 14 14 14 14 14 15 WL 11 14 14 14 15 WL 11 14 13 14 14 14 15 IOD 16 DEPCH 11 14 11 14 12 DEPCH 13 INDEPCH 14 INDEPCH	(mBRT) To 3167.00 DP S-150 (12) Cake pH 11.0 10.2 9 9 9 9 9 5 3 20	Meter- age 194.5 x 5°DP S-140.27 st Pf Cl- Berne (Dal) Kunger-VO (Bulk Line Line Cl- Pg Cl- Berne (Dal) Kunger-VO (Bulk Line Line Cl- Pg Cl- Berne (Dal) Kunger-VO (Bulk Line Cl- Berne (Dal) Kunger-VO (Bulk Kunger-VO (Bulk	Hrs. 3.50 ds x 5-1/2'DP S-1 Sand Oil Board @24-00hn)	Min. Max. 0 100 50 50 Received 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Min. Max. 10 80 LGS MBC Used 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(krev) 3.9 In Temp 17 18 (unt kg) Stock	n 0.23 10 0.68 0 18,000 1,400 14,000 0,0/0600 200 250 1,800	K .87 66 Heli Informs Fit. No. 1 2 3	Dull Loc. Hook Wo Brite Cuting skip @24.00 Cuting s	B G C C C C C C C C C C C C C C C C C C C	(2) Shingu total Passen
rd Sizz (in (in (in (in (in (in (in (in (in (in	M M 1) M 375 ULT RR5c Type Tope G nud P-220 @ Size S	ERRA C C Cre Bit x bit sui Time 312.5 mBRT G 180 81	pe	IADC Code 537 X Landing su 1.00 1.30 1.30 8.2 of core	Meanwhile, (Q2:00-) (3:00-) S/No. CZ059 Ub X TOp sub X H VIS PV 44 8 72 27 Kinoke @97% Ann. Vat (m/min) DC DP 114 63	Nozzies 4 x 16 eed sub x 8-1/2"D YV Cele yV Cele M02 ice Cele M03 ice M04 ice M04 ice M04 ice	Iter mitigate vib From 2072.50 2072.50 2072.50 2072.50 10) 11 14 el@2400 w el@2400 with eli@2400 with eli@2400 eli@2400 eli@2400 with eli@2400 eli@2400 eli@2400 with eli@2400 eli	(mBRT) To 3167.00 DP S-150 (12) Cake pH 11.0 10.2 9 9 9 9 9 5 3 20	Meter- age 104.5 x 8°DP S-140.27 at Pf CL Mud Materials on Barie (Bulk) Kungei-VO (Bulk Kungei-VO (Bulk Line De-Polymer DX/ XCD-Polymer Soda An Clean Lube Lignate NC	Hrs. 3.50 ds x 5-1/2'DP S-1 Sand Oil Board @24-00hn)	Min. Max. 0 100 50 50 Solid K+ Received 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mn. Max. 10 80 LGS MBC Used 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(Krev) 3.9 Temp In Cut 17 18 (unit: kg) Stock	n 0.23 10 0.68 0 312,000 18,000 14,000 0/0/600 200 250 1,800 6,400 0 0	Heli Informs Fit. No. 1 2 3 Safety (HSS Incident LTA	Dull Loc. Hoot W BritA Double Could be a constrained by the could by the	C C	© Shingu total Are.
rd Sizz (in) 11.4.3 BSCS (in) Mud 11 SSWW kill m mps : 14-F C SSWW kill m mps : 14-F C SSWW kill m s Stock or Ref	M M 1) M 375 ULT RR5c Type Tope G nud P-220 @ Size S	ERRA C C Croe Bit x bit su Time 31125 mBRT G 180 81	pe C3 x core barrel (mBR1) Pit Pit 22M 36	IADC Code 537 X Landing st X Landing st MW 1.04 1.30 1.30 R gallon Press. (MPa) 8.2	Meanwhile, (Q2:00) (3:00-) S/No. CZ059 bb x Top sub x H VIS PV 84 8 72 27 XAn. Vel. (m/min) DC DP	Nozzles 4 x 16 900 200 200	Depth From : 2972.50 : 2072.50 : 2111 x XO x 5-112 : 11 : 1242.00 : with and the states E : incode F :	(mBRT) To 3167.00 DP S-150 (12) Cake pH 11.0 10.2 9 9 9 9 9 5 3 20	Meter- age 194.5 x 5DP S-140 27 at Pf Cl- Earne (tuk) Runge Clark Runge Clark	Hrs. 3.50 ds x 5-1/2'DP S-1 Sand Oil Board @24-00hn)	Min. Max. 0 100 50	Mn. Max. 10 50 LGS MBC Used 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(Krev) 3.9 10 11 17 18 18 (unit kg) Stock	n 0.23 10 0.68 0 312,000 14,000 14,000 200 250 1,800 6,400	K .87 .66 Fit. No. 1 2 3 Safety (HSE Incident	Dull Loc. Hoot W BritA Double Could be a constrained by the could by the	B G C C C C C C C C C C C C C C C C C C C	© Shingu total Are.
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rd Sizi (in (in (in (in (in (in (in (in (in (i)) / k 375 ULT RR5c Type G G G P-220 @ Size Size Size Size To To To To	ERRA C :Core Bit x bit suit Time :Time 3 :SPM Git :SPM :SPM :SPM :SPM :SPM :SPM :SPM :SPM :SPM :SPM	PP 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	IADC Code 537 X Landing su MW 1.04 1.30 8.2 8.2 8.2 01 002 5.8 8.2 01 002 5.8 4.94 0.0	Meanwhile. (Q2:00) (3:00-) S/No. C2059 Jb X Top sub x H VIS PV B4 8 72 27 Kinoke @975 Ann Vel. (m/min) DC DP 114 63 Stock 293.5 196.5 196.9 1918.9 62.300.0	Nozzles 4 x 16 eed sub x 8-1/2*D YV Gel 18 10 19 75 MOJ Cri MOJ Cri MCH NLC JAPEX Schumit Cromering Met https://doi.org/10.00000000000000000000000000000000000	Depth From 2972.50 2972.50 2972.50 2011 X XO x 5-1/2 2972.50 2(11) X XO x 5-1/2 WL 11 11 12 11 13 14 14 11 15 11 1600 100 1000 4 1 11 1000 100 1000 4 1 6 6 6 600 100	(mBRT) To 3167.00 TDP S-150 (12) Cake pH 110.2 Cake pH 110.2 10.2 10.2 11 10.2 11 10.2 11 10.2 11 10.2 10 10 10 10 10 10 10 10 10 10	Meter- 164.5 164.	Hrs. 3.50 ds x 5-1/2"DP S-1 Sand Oil Board @24-00hn) L / H 5	Min. Max. 0 100 50 50 Solid K+ Received 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mn. Max. 10 50 LGS MBC Used 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(vere) 3.9	n 0.23 10 0.23 10 0.88 0 18,000 14,000 2000 2500 2500 0 0 0 0 0 0 0 0 0 0 0	K 87 66 Hell Informe Fit. No. 0. 3. Safety (HS) Remarks Marine Info Heave (m) Pich (deg) Rol (deg) Rol (deg)	Dull Loc. Hook W Hook W Hook W Hook B Hoo	C C	3,160.0 3,160.0 3,160.0 Control Con
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Size (in 4) Size (in	b. b.)) b. RR5c RR5c Type G rud B220 gs:220 gs:220 Size S - - - 1 To To To To	ERRA C :Core Bit x bit sul : :Core Bit x bit sul : :Time : :Status : :Status : :Status :	Pe 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	IAOC Code 537 MW 104 104 105 30 108 30 8.2 01 09.2 5.8 2.5 8.4 0.0 0.0	Meanwhile, (Q2:00) (3:00-) S/No. C2059 ub x Top sub x H VIS PV 84 8 72 27 Stock 872 27 101 63 00 00 00 00 00 00 00 00 00 0	Nozzles 4 x 16 ead sub x 8-1/2*D YV Gel 38 10 18 8 A x 16 Concerned WG2/8 MG3/cm MG3/cm MG3/cm MG3/cm MG3/cm MG3/cm MG3/cm MG4/m3/cm MG4/m3/cm Velocid Concerned MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm Signed for the second for the	Depth From 2972.60 St 10) 11) 11 11 11 14 etger 100P 4 etger 1 1 10DP 4 scetton www 010DP 4 scetton www.etger 1 scetton 013080 013090 049(a)	(mBRT) To 3167.00 TDP S-150 (12) Cake pH 11.0 10.2 0 9 9 5 5 3 20 15 1 1 1 3 2 4 4 4 1 1 1 5 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	Meter- age 194.5 x 5°DP S-140.27 st Pf CL- Mod Materials on Barrie (Bulk) Kungel-VO (Bulk Kungel-VO (Bulk Kung	Hrs. 3.50 ds x 5-1/2"DP S-1 Sand Oil Board @24-00hr) L/H 5	Min. Max. 0 100 50 50 Solid K* Received 0 Received 0 0 0	Mn. Max. 10 50 LGS MBC Used 0 0 0	(vere) 3.9	n 0.23 10 0.88 0 1.400 14.000 0.0660 0 0 0 0 0 0 0 0 0 0 0 0 0 0	K 87 66 Fit. No. 1 2 3 Safety (HS) Remarks Marine Indo HuNS card HUNS card HUNS card HuNS card Remarks Marine Indo No. Composition Marine Indo No. No. No. No. No. No. No. No	Dull Loc. Hook W Hook W Bit A Bit A Bit A Bit A Hook W Hook W Hook W Last Incident Last Incident Grad other Information Last Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident	C C	3,160 0 3,160 0 0 Shingu total No. LTA No. LTA No. LTA 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
rd Siz (in) 114.42 ESCS (c) ESCS (c) Berties Mud 1 SWMd 1 SWMd 1 SWMd 1 Siz (in) 6 6 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6)) / k / 375 ULT RR5c Type G G G G C RSc S S S S S S S S S S S S S	ERRA C :Core Bit x bit suit	PP 23 X core barrel P23 X core barrel P24 P2	IADC Code S37 X Landing si S37 MW 1.04 1.30 8.2 0f core 0922 5.8 2.5 2.5 2.5 0.0 0.0 0.0 0.0 0.0 0.0 Time @	Meanwhile, (Q2:00) (3:00-) S/No. C2059 Jb X Top sub x H VIS PV 84 8 72 27 Harke @07% Ann Vel. (m/min) DC DP 114 63 Stock 293.5 710.7 1,918.9 62.300.0 800.0 280.0 Chikyu Arrived 20.25	Nozzles 4 x 16 ead sub x 8-1/2*D1 YV Gel 18 10 19 88 10 18 8 10 10 18 8 10 10 18 7 7 MOJ cm MOJ cm MOJ cm Nc.C Nc.C Nc.C Ximman Ged/s/g Garder Ged/s/g Garder Ged/s/g Schuman Ged/s/g Garder Ged/s/g Schuman Ged/s/g Garder Ged/s/g Garander Ged/s/g <t< td=""><td>Depth From 2972.50 2172.50 2111 x XO x 5-1/2 101 11 11 11 124.0 W e1 131 14.0 W e1 10.10DP 10DP 10DP 4 ecelon wwater (100) 1.30e) 1.30e) 4(105sg)</td><td>(mBRT) To 3167.00 TDP S-150 (12) Cake pH 110.2 Cake pH 110.2 10.2 10.2 11 10.2 11 10.2 11 10.2 11 10.2 10 10 10 10 10 10 10 10 10 10</td><td>Meter- age 194.5 x 5°DP S-140.27 st Pf CI- Mud Materials on Rem Bartle (Bulk) Kungel-VD (Bulk Kungel-VD (Bulk</td><td>Hrs. 3.50 ds x 5-1/2*DP S-1 Sand Oil Sand Oil L / H </td><td>Min. Max. 0 100 50 50 Solid K* Received 0 0</td><td>Mn. Max. 10 50 LGS MBC Used 0 0 0</td><td>(vere) 3.9</td><td>n n 0.23 10 0.88 0 312,000 16,000 14,000 0/0/650 2000 2550 2000 2550 1,600 0 0 0 0 0</td><td>K 87 66 Hell Informer Fit, No. 1 2 3 Safety (HSS Inddent Inddent Inddent Inddent Inddent HuNS card Remarks Marine Info Heave (m) Pich (deg) Pich (deg) Roll (deg) Vol. Load (deg)</td><td>Dull Loc. Hook W Hook W Bit A Bit A Bit A Bit A Hook W Hook W Hook W Last Incident Last Incident Grad other Information Last Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident</td><td>C C</td><td>3,1600 3,1600 0,5100 0,010 Are Are No.LTA 0,03 0,2 0,3 0,2 0,3 0,2 0,3 0,2 0,3 0,494,4</td></t<>	Depth From 2972.50 2172.50 2111 x XO x 5-1/2 101 11 11 11 124.0 W e1 131 14.0 W e1 10.10DP 10DP 10DP 4 ecelon wwater (100) 1.30e) 1.30e) 4(105sg)	(mBRT) To 3167.00 TDP S-150 (12) Cake pH 110.2 Cake pH 110.2 10.2 10.2 11 10.2 11 10.2 11 10.2 11 10.2 10 10 10 10 10 10 10 10 10 10	Meter- age 194.5 x 5°DP S-140.27 st Pf CI- Mud Materials on Rem Bartle (Bulk) Kungel-VD (Bulk Kungel-VD (Bulk	Hrs. 3.50 ds x 5-1/2*DP S-1 Sand Oil Sand Oil L / H	Min. Max. 0 100 50 50 Solid K* Received 0 0	Mn. Max. 10 50 LGS MBC Used 0 0 0	(vere) 3.9	n n 0.23 10 0.88 0 312,000 16,000 14,000 0/0/650 2000 2550 2000 2550 1,600 0 0 0 0 0	K 87 66 Hell Informer Fit, No. 1 2 3 Safety (HSS Inddent Inddent Inddent Inddent Inddent HuNS card Remarks Marine Info Heave (m) Pich (deg) Pich (deg) Roll (deg) Vol. Load (deg)	Dull Loc. Hook W Hook W Bit A Bit A Bit A Bit A Hook W Hook W Hook W Last Incident Last Incident Grad other Information Last Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident	C C	3,1600 3,1600 0,5100 0,010 Are Are No.LTA 0,03 0,2 0,3 0,2 0,3 0,2 0,3 0,2 0,3 0,494,4
d Sizeria Sizeria di Sizeria di S)) / k / 375 ULT RR5c Type rug rug rug rug rug rug rug rug	ERRA C :Core Bit x bit suit	Pe 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	ADC Code 537 X Landing su 537 X Landing su 537 X Landing su 537 X Landing su 537 X Landing su 537 8 galancia (M/Pa) 8 galancia 8 galancia 99.2 58 8 galancia 99.2 58 99.2 58 99.2 58 99.2 58 90.2 59 90.2 59 59 90.2 59 59 59 59 59 59 59 59 59 59 59 59 59	Meanwhile, (Q2:00) (3:00-) SiNo. C2059 ub x Top sub x H VIS PV 44 8 772 27 172 27 172 27 172 27 173 23 5 109-5 114 63 Stock 203.5 710.7 1,918 9 203.5 710.7 1,918 9 203.5 1,918 9 1,918	Nozzles 4 x 16 ead sub x 8-1/2*D YV Gel 38 10 18 8 A x 16 Concerned WG2/8 MG3/cm MG3/cm MG3/cm MG3/cm MG3/cm MG3/cm MG3/cm MG4/m3/cm MG4/m3/cm Velocid Concerned MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm MG4/m3/cm Kill MG4/m3/cm Signed for the second for the	Depth From	(mBRT) To 3167.00 317.00 317	Meter- age 194.5 x 5°DP S-140.27 st Pf CI- Mud Materials on Rem Bartle (Bulk) Kungel-VD (Bulk Kungel-VD (Bulk	Hrs. 3.50 ds x 5-1/2"DP S-1 Sand Oil Board @24-00hm board	Min. Max. 0 100 50 50 Solid K* Received 0 Received 0 0 0	Mn. Max. 10 50 LGS MBC Used 0 0	(vrev) 3.9 Temp In [Out 18] (unt:kg) Unt:kg Vis	n 0.23 10 0.88 0 1.400 14.000 0.0660 0 0 0 0 0 0 0 0 0 0 0 0 0 0	K 87 66 Fit. No. 1 2 3 Safety (HS) Remarks Marine Indo HuNS card HUNS card HUNS card HuNS card Remarks Marine Indo No. Composition Marine Indo No. No. No. No. No. No. No. No	Dull Loc. Hook W Hook W Bit A Bit A Bit A Bit A Hook W Hook W Hook W Last Incident Last Incident Grad other Information Last Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident Incident	C C	3,160 0 3,160 0 0 Shingu total No. LTA No. LTA No. LTA 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3