-		MORNI				Mission N		<u>CK18</u>			Exp. No. : Exp 358						Report No. : 74				
Site Name Depth :	Name C0002 Hole Name C0002R Depth : @24:00 4,772.0 mBRT 2804.5 mbsf				Progress : 10.0 m				Long. 136° 38.2029'E Drilling/Coring/Underreaming H			Seabed Depth : 1,967.5 mBRT rs. : 0.00 hrs Last BOP PT:			RT-MSL : 28.5 m 12/14/2018		Next BOP PT: 1/4/		20/Dec/2 /2019	2018	
Depth :	@06:00 Summary o					LAST CASING : 11-3/4" RIH Tri-Mill assembly to 4,746mBR							4,890.0 mBRT) Last BOP FT: Drill rat hole to 4,772mBRT, Circula			12/14/2018 ell. Work st		Next BOP FT: 12/21/201 Last Glycol 35gal Inj. 12/2		1/2018 12/18/2018	-
	sent Operati	ion @ 06:00 wn (00:00 -	on 20)-Dec : 19-Dec		ue to work s													eter below ro		-
From 0:00	To 3:30	Hrs 3:30	Code TRIP	Depth(mBRT)		ck up 10-1/)" T.: MA		hlu frama '	2 700		1 746 m DF		f Operatio	on			mbol. mo			
0.00	3.30	3.30		4,702.0	Bre	eak circulat	on at 4,	200mBR				+,/40111DF	<u>vi.</u>								
						I string ever lost riser at			Pa												
3:30	4:00	0:30	OTHER	4 762 0	Ch	nange out sl	naker sc	reens fro	om API27	0 x 4, A	PI230 x		'0 x 1 to AF	PI120							
3:30 4:00	5:00	0:30 1:00	OTHER	4,762.0	Conduc		culation	and take	paramet	ers at 4,	,742m.				ep monitorin						
					Pa	rameter: SI HI	PP: 700, (: PU/S	. 750, 80 O 2,870k	0gpm x 2 N/2840k	3.0, 25.8 N (pump	5, 28.0M and ro	/IPa (MP# tation), 2,	<pre>#1 and MP# ,915kN/2,8</pre>	#3). Ke∉ 00kN (p	ep monitorin oump and no	g Active pil rotation), 2	t, confirm 2,980kN/:	no loss 2,830kN (no	pump and	no rotation)
					Oh				m x 11kN		ation x '	2times du	e to helt sh	inning	change out	from MP#2	to MP#3	3: OK, Select	MP#2 to F	Booster: Ok	
5:00	15:30	10:30	OTHER	R 4,772.0	Mill the	10-1/2" wir	dow.								change out			. 011, 001001	101 112 10 1	5003101. 01	
				·		owly lowerin Paramet	and the second sec	the state state to	T		40		00	7 5 001	ИРа						
					1	Observe	nressur	e drop a	radually f	rom 28 f	to 25ME	Pa while l	owering fro	m 4 75	7mBRT to 4	760 7mBE		weight w/59I	kN at 4,760).7mBRT	
					Fro	om 4,760.7i	nBRT to	4,762.5	mBRT (F	ump 5m	n3 swee	p Barolift	every 30m	nin)	x 23-25.5MF				Time Cu	uttings Vol.[cm]	i
						Observe	pressur	e drop a	radually f	rom 25.	5 to 23	MPa			x 23-23.51VIF	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			06:30	0.4	.
					Fro	om 4,762.5 WOB: 30	nBRT to)-50kN.	0 4,763.5 HPS: 80	mBRT (F rom x 10	ump 5m -25kNm.	n3 swee 800ap	ep Barolift m x 23-24	every 30m 1MPa	nin)					07:30 08:30	1.5 10.0	{
				ļ	Fro	om 4,763.5	nBRT to	4,764.5	mBRT (F	ump 5m	n3 swee	p Barolift	every 30m		x 23-24MPa				09:30 10:30	10.0 14.0	.
					Fro	om 4.764.5	nBRT to	4.765.5	mBRT (F	ump 5m	13 swee	ep Barolift	every 30m	nin)					11:30	11.0	
				·		WOB: 20)-35kN,	HPS: 80	rpm x 10-	30kNm,	800gp	m x 23-24	1MPa		cseal 10m3)				12:30 13:30	21.0 13.0	-{}
				1		WOB: 20	-60kN,	HPS: 11	0rpm x 1	7-38kNm	n(Stall >	40kNm x	2times), 6	00-700	gpm x 15-19 x 24.7MPa				14:30	12.0	
			ļ		Fro	om 4,766.5	nBRT to	4,768.0	mBRT (F	ump 5m	n3 swee	p Barolift	and Fracs	eal 3m3	x 24.7MPa 3 alternately	every 30m	iin)		15:30 16:30	11.0	<u> </u>
					1	WOB: 10	-30kN,	HPS: 80	-90rpm x	15-26kN	Vm, 600)-700gpm	x 15-19MF	Pa	and Fracsea			ery 30min)	17:30 18:30	10.0 16.0	
15.00	24.45	6.45	<u> </u>	4 770 0		WOB: 0-	50kN, H	IPS: 80rp	om x 15-4	l0kNm, 6	600gpm	ı x 15-16M	MPa (Stall >	>40kNm	n x 3 times)				19:30	14.0	
15:30	21:45	6:15	C&C	4,772.0	Pu		eep Bai	rolift and	5m3 Fra	cseal at	500gpr	n. Start pi			50mBRT afte				20:30 21:30	9.0 5.0	<u> </u>
					Fra	acseal swee	eps ente	r the anr	ulus. Cir 'sa in and	culate w	ell with	reciproca	ating the str	ing w/8	50gpm x 29	.6MPa. Bo	ost riser a	at 450gpm x 3	2.1MPa.		
21:45	24:00	2:15	W&R	4,772.0	Recipro	ocate string	through	10-1/2"	window v	vith and	without	rotation/r	pumping se	everal tir	mes.			e fluctuation	10.000111	at 4 705 -	770 0-0
					Re Ba	eam down w ackream froi	ith 40m n 4,772i	om / 400 mBRT to	gpm from 4,757m	n 4,756n 3RT.	nBRT to	5 4,772ml	BRT. Obse	rve 30-	50kN hung i	ip weight a	nd torque	e fluctuation	12-28kNm	at 4,765-4	772mBR1
																		reaming do BRT at each		lowns	
					Ta	ike 50kN ov	erpull af	ter wash	ing down	with <1	00kN h	ung up we	eight. Rele	ase stri	ng with rotat	ion/pumpir	g/picking	up the string	J.	101113.	
						Ditch ma	gnet: 31	1.5kg (To	tal 76.5k	g)											
Ti From	me Breakdo To	wn (00:00 - Hrs.	06:00 on Code	20-Dec Depth(mBRT		he data on 00:	00 - 06:00	is unofficia	Ι.				Detail o	f Operatio	20						
0:00	0:45	0:45	W&R	4,772.0	Continu	ue to recipro															
					1	Paramet	er HPS	·100rpm	x 14-15k	Nm PU	MP:500	apm x 11	-12MPa H	IK(UP/F	OWN)-2.92	up and ov 0-2,935kN	erpull at 4 (2,900-2,9	I,761.5mBR1 910kN			
0:45	2:45	2:00	EVAL	4,772.0	Conduc	ct FIT at 11-	3/4" whi	ipstock w SES ass	/indow(w embly In	indow to	p 4,756 Torc va	mBRT)	ement hos	e Line	un surface li	nes Flush	test lines	(4.7bbls cho	oke line 4	Obbls ceme	ent hose)
					Pre	essure test	lines to	1,000psi	for 5min	s, OK. S	pace or	ut string(5	m stick out	t). Close	e BOP (Low psi at surfac	er annular)					
					Sto	op pumping	. Pressu	ire stabil	ize at 510)psi (1.4	45sg El	MW) after	1.46sg EM r 16min. Ble	eed off j	psi at surfac pressure - 3	e with 1.37 .3bbls pum	sg) ped, 3.1t	bls returned			
2:45 3:30	3:30 6:00	0:45 2:30	OTHER TRIP	4,772.0 4.772.0	Flow ch POOH	neck at 4,74 back up 10	3mBRT	: No loss Mill asse	and gair	ns. Confi m 4.743	irm well mBRT 1	static. to 3.840m	BRT.								
					Ch	back up 10 hange out sl	naker sc	reens fro	om API12	0 to API	1270 x 4	, API230	x 1, API17	0 x 1							
						ost riser at															
it Record @	24:00				Off	fline: Mainte			d MP#2,	check M	lotor be	It and cle	aning sucti	on/discl	harge strain	ers. Ongoii	ng				
	ize M	FR T	me	ADC S/	/No. N	Nozzles	Depth (m rom		Meter- age	· +		WOB (kN) Min. Max.	rpm Min. Max			OP /hr) Inner	Outer	Dull Dull Loc.	Condition B	G 0.D.	RP
														_							
3HA Record		10-1/2" OD	Trill mill x 8"	OD Running	Tool x 6-5/8	3" HWDP (1 it. p	ovided by S	SLB) x XO #	1 x XO #2 x	Float sub w	// non-port	ed float x XO	#3 x XO #4 x 8	3-1/2" Corir	ng DC (4 stds) x	XO #4	1	Hook Wt. Hook Load	(knt) @24:0	4,761.0	0 mBRT 2,900
#16	Tri-Mill	x 5.68" HWI	OP (3 stds) x	« XO #5 x 5" E	OP S-140 (23	3 stds) x XO #6	x 5-1/2" DP	S-150 (70 s	stds) x XO #	7 x 6-5/8" DI	P Z-140 (2	2 stds) x 6-5/	/8" DP UD-165		3 - 1			BHA Below HW			220
	00400																	below Jar			-
Mud Propen	ties @24:00 Time	Depth (mBRT)	MW VIS	PV YV		Gel St. 10". 10') AF	I Cake	pH Pf	CI-	Sand Oil	Solid I		emp K+	n	K L		/40 (mm)	Hook + R		(600 -
KNPP	7:00	4,757	1.37 67	25 32	13 11	1 18 5.2		10.0 0.1	1	0.20		1.50 13				.60 -	5min		ing time 24S/		-
KNPP	14:00	4,770	1.37 65	23 34	13 11			10.0 0.1		0.20		1.50 15	10 21,40	0.44	3.14 3	.60 15	Over		kip @24:00	otal	hrs
ud Pumps : 1			Dr) gallon/stroke ress. Anr	e @97% n. Vel.	Personnel CDEX	@24:00	8	Mud Mate Item	rials on Bo	oard @24	00hrs Received	Used	(unit: l	kg) Stock				npty IO	Full 4	Total 44
No. Liner			PM (N	MPa) (m	/min)	MQJ Crew MWJ		102 15	Barite (Bu Caustic S		-				525,000 1,200			ROV @2 Status	4:00	Dive	
2 6"(Bo	ioster) 9	90 4	-	11.5		Scientist		4	Lime				1	76	200 325			Last Dive		12/18/2	018
eologic In	formation (@24:00							Soda Ash Caustic P	otash			4	75 50	1,100			Injection nation @24:00		130 gal	
From 4762.0	To 4772.0		Lithology of Claystone2 Silty claystone	20-40%	-	Telnite Oceaneeri		2 6	XCD-Poly		Н		800/200	50	4220/900/0 1,075		Fit. No.	Tir Arrived	Departed	d Are.	senger Dept.
-11 UZ.U	7/12.0		Silty claystone Cement trace, N	Metal trace	-+	SLB Ceme SLB WL	nting	1	Lignate N Clean Lub	С	-T				4,500 0	\neg	1 2	9 9	9 10	9:11 11:22	9:27 11:37
hale Shot	ker @24:00			Centrifuge:	3.5 brs	Geoservice M-I SWAC		6	Tel Clean Astex-S		-			-	6,400 0		3	2	2	13:35	13:46
o.1	20, 120 20, 120	No.4	30, 120 30, 120	No.1	off	SLB Under		2	Deformer	30C	_				336			SE) and other int		N= · · ·	
0.3	30, 120	No.6	30, 120 30, 120		off off	SLB Seism	ic	2	Tell DD Bi-Carbon						3,200		Incident		Last Incident	No. LTA	
lte		Unit St			ceived	AFGlobal ENVENTU	RE	0	Citric Acid Tan Cal N	1/F/FF				1	2,275 1,020 / 210 / 51	0	LTA HUNS car	ds	26		
resh Wate otable Wa			248.0 264.5	79.1 5.7	93.2 0.0	SLB DD Franks		0	Telnite G) Treat-HS	(L	-T				684 9,200	\neg	Remarks				
rill Water uel			609.0 646.2	15.0 52.4	0.0	Total		152	Mud Seal Tel Plug C		-			-	130 500 / 500 / 500						
ube, Oil Ieli Fuel			3,300 0.0	0.0	0.0	Mud volum	e@2/I-00		Tel Stop F Balolift			225	1	30	500 / 260 225						
ement "G		ton	186.0	0.0	0.0	Mud V	olume (m3	/	Driscal D			-20	1		0			ormation @24:0	0	1	0.2
ement "G			97.0	0.0	0.0	KNPP mu Slug r	nud	453 9	Tel Flow F Poro Seal						0		Heave (m Pitch (deg				0.2
oat Inform Boat Na	nation @24: me	00 Status		Time @Chik		KNP muc KNP muc	l (1.13)	35 254	Steel Sea KCI	150		10,000	3,0		3,000 11,000			ading (deg)			0.1 290
#8 Meiji-n		NE 5mile	Dep	parted An	rived	STOPLOS	iS(1.37)	47	NaCl Fracseal			20,000	8,0	00	26,000 20,500		Riser Ten: V.D. Load				600.0 1790
Akatsu Shincho-r	ki	Chikyu Shingu		1	4:30	tota	el .	798	Stopseal Bentonate	(Bulk)	_				0 46,000		Max Drau Thruster (ght (m)			9.0
Veather In			(degC)	Barometer	r 146			<u> </u>		Wave		Т	Current		Visibility	_		-,			
Time	Weather	Air	SW	(hPa)	Speed (m	(dog				Dir. (deg)		I (s) Spee	ed(knt) Di	ir. (deg)	(km)	·	<u> </u>				
24:00 foday's Sc	bc hedule:	13.5 Cont. POO	18.9 H back up	1023.0 Tri-mill asse	13.2 mbly to sur	276 rface. Check b	14. ack up Tri-		1.6 bly conditio	250 n. MU and	5.4 I RIH 10-5	5/8" window		211	22.0			d by : A. Suzuk d by : T. Saruha			