Efficiency of Each Drill Hole

		Depth of	Hole		1		Bit Size	of Drilling	50	Effciency	ency
Hole		Increase			Core Recovery	73mm		56mm	LI L		
No.	Planned Length	or Decrease Length	Length Drilling	Core Length		Drilling Length	Core Length	Length Drilling	Core Length	Drilling Period	Drilling Shift
	E	E	E	E	7	Ę	E	E	E	m/day	m/ 3
JHS-12	2 50.00	0.20	50.20	46.10	92.2	1.70	1.50	48.50	44.60	16.73	10.04
13	3 50.00	0.10	50.10	47.70	8.66	2.30	0.00	47.80	47.70	12.52	10.02
14	4 50.00	0.10	50.10	48.00	97.0	0.60	0.00	49.50	48.00	16.70	10.02
15	50.00	0.10	50.10	49.70	99.2	1.50	1.10	48.60	48.60	12.53	10.02
16	50.00	0.10	50-10	49.50	99.4	1 80	I.50	48.30	48-00	25.05	12.52
17	7 50.00	0.10	50.10	28.40	36.6	17.30	0*00	32.80	28.40	16.70	8.35
18	50.00	0,20	50.20	42.70	86.1	1.50	06.0	48.70	41.80	16.73	10-04
19	9 20 00	05.0	50.30	48-20	99 <b>.</b> 8	2, 60	0.60	47.70	47 60	16.76	12.57
Total	400-00	1.20	401.20	360.30	95.0	29.30	5.60	371-90	354.70	16.71	10.28
Tundulu											
er an		Depth of	Hole				Bit Size	of Drilling	20	Efficiency	ancy
Hole		Increase			Core Recovery	73mm		56mm	Line Line		
	Planned Length	or Decrease Length	Length Drilling	Core Length		Drilling Length	Core Length	Length Drilling	Core Length	Drílling Period	Drilling Shift
	Ę	E	E	æ	*	æ	E	E	E	m/day	m/s

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12.57 12.55 12.55 12.55 25.15 25.10 25.10 25.11 45.30 44.40 47.80 137.50 48.70 48.60 142.30 0.00 0.50 0.10 0.60 1.60 1.60 8.40 96.7 93.0 98.7 98.4 45.30 47.90 138.10 50.30 50.20 50.20 150-70 0.70 0.30 0.20 0.20 50.00 50.00 50.00 150.00 JMT-25 26 Total

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Efficiency of Each Drill Hole

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Drilling Shift 12.55 10.02 12.57 10.02 10.04 8.38 12.52 10.06 18.35 12.55 12.57 10.04 10.04 12.55 12.55 10.02 10.04 10.06 m/s Efficiency Drilling Period 25.10 16.70 16.73 12.58 16.70 16.77 16.70 25.10 25.15 16.73 16.73 25.10 25.10 16.70 25.10 16.70 16.73 16.80 m/day Core Length 33.90 45.30 34.10 34.70 38.10 42.10 45.30 45.70 48.40 46.40 44.80 44.70 45.80 39.70 45.60 39.70 39.00 31.80 5 56mm Length Drilling of Drilling 48.50 48.60 40.50 40.90 44.40 47.80 48.60 47.60 48.50 48.60 47.60 46.20 48,20 46.60 43.30 46.70 47.50 39.60 E Core Length Size 0.60 0.00 0.00 0.00 0.30 0.40 0,40 0.00 1.20 00.0 00.0 00.00 0.00 0.90 00.00 0.00 0.00 0.00 e 73mm Length Drilling 9.70 9.40 5.70 2.50 1.50 2.60 6.90 1.60 1.70 2.80 10.50 1.80 1.60 2.60 4.00 2,00 3.50 3.50 e Core Recovery  $0^{\circ}$  50 93.5 93.9 85.0 82.6 84.2 84.8 85.8 88.1 93.3 96.0 99.8 95.6 96.8 83.5 98.3 82.1 94.1 91.7 20 Core Length 31.80 34.10 34.70 38.10 42.40 45.70 46.10 48.40 47.60 44.80 39.70 46.20 46.20 39, 70 39,00 44.70 45.80 33.90 Ħ Lengch Drilling 50.10 50.10 50.20 50.10 50.10 50.30 50.10 50.20 50.30 50.30 50.30 50.20 50.20 50.20 50.20 50.30 50.20 50.20 E Depth of Hole or Decrease Length Increase 0.30 0.30 0.10 0.20 0,30 0.10 0.30 0.10 0.30 0.10 0.20 0.10 0.20 0.20 0.20 0.20 0.20 0.20 Ē Planned Length 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 20.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 E Hole No. JMC 10 9 8 4 9 9 6 9 10 12 12 12 16 17 18

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Efficiency of Each Drill Hole

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	0											
			Depth of	Hole		. (		Size of	E Drilling		Efficiency	ncy
	Hole		Increase			Core Recovery	73.mm		56mn	Lin I		
	No.	<b>Planned</b> Length	or Decrease Length	Length Drilling	Core Length	0 ~ 20 0	Length Drilling	Core Length	Length Drilling	Core Length	Drilling Period	Drilling Shift
		æ	B	æ	Ø	~	e	E	E	E	m/day	m/s
	,	ć				. 1						
	16	20.00	0.20	50.20	48.30	98.2	1.50	0.50	48.70	47.80	16.73	10.04
	20	50.00	0.20	50.20	49.20	98.8	1.80	1.40	48.40	47.80	16.73	10.04
	21	50.00	0.30	50.30	45.80	93.9	1.50	0.00	48.80	45.80	16.76	10.06
	22	50.00	0.20	50.20	49.00	99.6	2.10	1.10	48.10	47.90	16.73	10.04
	23	50.00	0.10	50.10	39.70	98.0	9.60	0.00	40.50	39.70	16.70	10.02
	24	50.00	0.30	50.30	44.30	93.7	3.00	0.00	47.30	44.30	16.77	10.06
	25	50.00	0.10	50.10	47.20	93.00	2.90	0.00	47.20	43.90	16.70	10.02
	26	50.00	0.20	50.20	47.25	0*86	2.00	0.00	48.20	47.25	16.73	70.01
	27	50.00	0.20	50.20	48.70	100	2.00	0.50	48.20	48.20	25.10	12.55
	28	50.00	0.20	50.20	48.40	100	1.80	0.00	48.40	48.40	16.73	10.04
	29	50.00	0.30	50.30	48.40	97.0	1.60	1.20	48.70	47.20	25.15	12.57
	30	50.00	0.20	50.20	45.30	90.2	2.50	1.70	47.70	45.30	16.73	10.04
	31	50.00	0.20	50.20	35.00	81.0	7.00	0.00	43.20	35.00	I6.73	10.04
•	32	50.00	0.10	50.10	46.40	97.5	3-00	0.50	47.10	45.90	16.70	10.02
				:							:	
				: .	:			:-				
	Total	160.00	6.40	1606.40	1391.85	93.0	116.20	10.70	1490.20	1379.55	18.69	10.49
•					1.1							
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# Appendix 7

# Operational results of drill hole

	JMC-1									
			Period		Number of Days	Actua Worki Days	ng D	ay Of		tal per of rkers
Period	Preparation	10th OCT.	'88∿12ti	n OCT,'88	3	3			1	20
	Drilling	13th OCT.	'88∿14ti	n OCT.'88	2	2				48
Working	Removing									
M	Total	10th OCT.	'88v14t	n OCT.'88	5	5		<b>TU</b>	- 1	.68
	Dept	h of Dril	ling		Core Rec	overy :	for eac	:h 100	) m sec	tion
Length	Planned Length	50.00 <sup>m</sup>	Over- burden	m	Depth of Hole		Section	1	Tota	al
ing Le	Increase or Decrease in Length	0.20 <sup>m</sup>	Core Length	m 39.70	0 ~ 50.	20 m m	91.7	73 73	91.7	<u>7</u>
Drilling	Length Drilled	50.20 <sup>m</sup>	Core Recover	y 91.7		m		% %		%
	Drilling	30°00' <sup>H</sup>	68.2	<sup>7</sup> 38.5 <sup>7</sup>		m		%		7
	Out Drilling	14°00'	31.8	17.9		UL		%	<u> </u>	2
	Regain of Accident	-		-	Eí	ficien	cy of I	)rill	ing	· .
Time	Total	44°00'	100	56.4	50.20m/W	orking	Period		10.04	m/day
	Construct	27°00′	-	34.6	50.20 m/W	orking	Days		10.04	m/day
Working	take to pieces		-		50.20 m/D	rilling	g Perio	d	25.10	m/day
Wor	Moving of water		-		50.20 m/N	et Dril	lling D	ays	25.10	m/day
	Road · others	7°00'		. 9.0					- <u></u> ,	
	G • Total	78°00'	-	100	Total wor	:kers/	50.2	20 m	3.35	Man/m
ted	Pipe Size & Meterage	Inserte Length Drillin Length	7 Re	covery of sing Pipe	Total Drilling	· · · · · · · · · · · · · · · · · · ·	s/ 50.2	L	0.96	Man/m
Inser	BW-CP 6.90 m	13.7		100 %	Bit size	<u> </u>	BW	56-'	r	
e I	Bw-Cr 0.90 m		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	700 %	Drilling		6.90 <sup>m</sup>	43.		
Pipe	m		7	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Core Leng		0.00	39.		
Casing						<b></b>		L	<b>I</b>	
1		[			1					

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	والمستحدث والمستحد والمستحد والمستحد والمستحد والمستحد والمستحد									1 - L		
קי			Period	1		Number of Days	Wo	tual rking ays	Day O	ff	fotal umber ( Worker:	
Period	Preparation	6th Oct.	'88v8i	th Oo	ct.'88	3		3	-		110	
	Drilling	8th Oct.	<b>'88∿</b> 1(	Oth (	Oct.'88	3	2	.5		-	60	
Working	Removing							-			~*	
M	Total	6th Oct.	<b>'88∿1</b> (	Oth (	Det. '88	6	5	.5	-		170	
	Dept	h of Dril	ling			Core Rec	over	y for	each 1(	)0 m s	ection	1.
Length	Planned Length	m 50.00	Over- burde		DÎ	Depth of Hole		Sect	ion	T	otal	
lling Le	Increase or Decrease in Length	0.10 <sup>m</sup>	Core Lengt	:h	m 46.20	0 ∿ 50.	10n m	93	.5 %	93	.5	% %
Drill	Length Drilled	50.10 <sup>m</sup>	Core Recov	very	93.5		m m		% %			76 76
	Drilling	31°00 <sup>H</sup>	56	.4 %	34.4		m		73			%
	Out Drilling	24°00'	43	.6	26.7		m		7			72
	Regain of Accident	-	-		-			iency o		ling	14. j	
Time	Total	55°00'	10	0 ·	61.1	50.10 m/W	orki	ng Per	iod	8.3	5 m/da	ıy
	Construct	27°00'			30.0	50.10 m/W	orki	ng Day	5	9.1	1 m/da	ıy
-kir	take to pieces		:: <u></u> -		-	50.10 m/D	rill	ing Pe	riod	16.7	0 m/da	зy
Working	Moving of water	_				50.10 m/N	et D	rillin	g Days	20.0	)4 m/da	ay
	Road • others	8°00'	-		8.9			·		-{		
	G • Total	90°00'	-		100	Total wor	ker:	5/ 	50.20m	3.3	39 Man <i>i</i>	/m
ed	Pipe Size & Meterage	Inserte Length Drillin	Recov		overy of ing Pipe	Total Drilling	Worl	kers/	50.10 <sub>m</sub>	1.2	20 <sup>Man</sup>	/m
erte		Length			0.	Drilling of Si		of Siz	e			
Ins	BW-CP 1.60 m	3.2	7.	:	100 %	Bit size		BW	56	-T		·
Pipe	m		7.		%	Drilling		1.6	0 <sup>m</sup> 4	8.50 <sup>m</sup>		· · · ·
	ni in th		74	•••••••	%	Core Leng	gth	0.9	0 4	5.30		
Casing					r.							
S												

		]	Perio	d			Number of Days	Wor	ual king ays	Day	off	Nu	otal nber orker	
Períod	Preparation	7th Oct.	8801	0th 0	lct.'88		4		4			1	25	
f 1	Drilling	llth Oct.	1880	12th	Oct.'88		2		2		-		48	
Working	Removing								_		-			
M	Total	7th Oct.	88~1	2th C	oct.'88		6		6		-	1	.73	
1.2.200	Dept	h of Dril	ling				Core Rec	over	y for	each	100	m se	ction	1
Length	Planned Length	50.00 <sup>m</sup>	Over burd			m	Depth of Hole		Sect	ion		To	tal	
60	Increase or Decrease in Length	0.30 <sup>m</sup>	Core Leng		46.20	m	0 ~ 50.30	) m m	93.		% %	93	1.9	7.
Drillin	Length Drilled	50.30 <sup>m</sup>	Core Reco	very	93.9	%		m m		·	%	····		% %
	Drilling	28°30' <sup>H</sup>	64	.8 %	32.4	7		m			%			%
	Out Drilling	15°30'	35	.2	17.6			m			73	······		%
	Regain of Accident	_		-	-	1	Ef	fici	ency o	f Dr	illin	g	-	
Time	Total -	44°001	10	0	50.0		50.30 <sup>m/W</sup>	orkiı	ng Per	iod	6	3.38	m/da	1y.
	Construct	36°00'	-	-	40.9		50.30m/W	orkiı	ig Day	s	8	3.38	m/da	iy
kin	take to pieces	-		- 1 an c		_	50.30m/D	ri11	ng Pe	riod	25	5.15	m/da	3.Y
Working	Moving of water	-	-	-	·		50.30m/N	et Di	illin	g Day	/s 25	5.15	m/da	зу
	Road others	8°00'	-		9.1		Total workers/			<u> </u>		······································		
	G •Total	88°00'			100		Total wor	kers	/ 5	50.30	ш <u>з</u>	3.44	Man	/m
ed   .	Pipe Size & Meterage	Inserted Length Drillin	, Reco		ecovery of asing Pipe		Total Drilling	Work	ers/ -	50.30	m C	9.95	Man	/m
片	5	Length						Dri	lling	of S	ize		•	
Inse	BW-CP 1,70 m	3.4	%		100	8	Bit size		BW		56-T			
Pipe	m		7			2	Drilling		1.7		48.60			
	m		7			72	Core Leng	th	0.6	50	45.60			
Casing	· · · · · · · · · · · · · · · · · · ·								· · ·					
											 <b></b>		<u></u>	ليشت

q			Period		Number of Days	Actual Working Days	Day O	ff N	fotal umber of Workers
eriod	Preparation	lst Oct.	'83∿3rd (	Oct.'88	3	3	-		105
6	Drilling	3rd Oct.	'88∿5th C	Oct.'88	· 3	2.5	-		- 75
Working	Removing	······							-
2	Total	lst Oct.	'88∿5th C	Oct.'88	6	- 5.5			180
	Dept	h of Dril	ling		Core Rec	overy for	each 10	00 m s	ection
Length	Planned Length	m 50.00	Over- burden	IA	Depth of Hole	Sect	ion	Ť	otal
	Increase or Decrease in Length	0.20 <sup>m</sup>	Core Length	m 39.70	0 ~ 50.	20m 85 m	i.0 %	85.	0 <u>%</u> %
Drilling	Length Drilled	50,20 <sup>m</sup>	Core Recovery	85.0		m m	% %		% %
ļ.	Drilling	32°00 <sup>7 H</sup>	58.2 %	35.5 %		m	. %		z
	Out Drilling	23°00'	41.8	25.6		m	7.		%
	Regain of Accident		-		Ef	ficiency (	of Dril	ling	
Time	Total	55°00'	100	61.1	50.20 m/W	orking Per	iod	8.37	m/day
	Construct	27°00'	-	30.0	50.20 m/W	orking Day	/s	9.13	m/day
kin	take to pieces	<u></u>		-	50.20 m/D	rilling Pe	eriod	16.7	3 m/day
~	Moving of water		_	-	50.20 m/N	et Drillir	ng Days	20,0	8 m/day
	Road • others	8°00		8.9			· · · · ·		
	G • Total	90°00'	17 a. 1	100	Total workers/		50.20 <sup>m</sup>	3.5	9 Man/m
p	Pipe Size & Meterage	Inserted Length Drillin	<sub>7</sub> Rec	covery of sing Pipe	Total Drilling	Workers/	50.20 m	1.5	0 <sup>Man/m</sup>
erted		Length				Drilling	of Siz	e	
Ins	BW-CP 3.50 m	7.0	%	100 %	Bit size		56	T	
Pipe	ш		7	7.	Drilling	3.5	50 <sup>m</sup> 46	5.70 <sup>m</sup>	
	m		%	7	Core Leng	gth 0.0	0 39	9.70	
Casing							•	•	

	JMC-5			suica by i							
res			Period		Number of Days	Wo	tual rking ays	Day O	ff N	fotal umber Morker	
Períod	Preparation	3rd Oct.'8	8.5th Oct	. '88	3		3			128	
00	Drilling	6th Oct.'8	38 <sub>0</sub> 8th Oct	. '88	3	2	2.5			75	
Workin	Removing		<u></u>								
M	Total	3th Oct. '8	38.8th Oct	. 188	6	5	5.5			.203	
-	<u>l                                    </u>	th of Dril	ling		Core Rec	over	y for ea	ach 10	)0 m s	ection	
Length	Planned Length	m 50.00	Over- burden	m	Depth of Hole		Sectio	on	Т	otal	
ling Le	Increase or Decrease in Length	m 0.30	Core Length	m 39.00	0∿50.30	m m	82.1	7. 7.	8	32.1	% %
Drill	Length Drilled	ra 50.30	Core Recovery	% 82.1		m m		% %	-		7.
	Drilling	33°00' <sup>H</sup>	60.0 %	36.7		m		7			72
	Out Drilling	22°00'	40.0	24.4		m		73			%
	Regain of Accident		2 - 2 - <u>-</u>		Ei	fici	ency of	Dril	ling	·	
Time	Total	55°00'	100	61.1	50.30 m/W	orki	ng Perio	d	8.38	3 m/d	ay
	Construct	27°00'		30.0	50.30 m/W	orki	ng Days		9.15	5 m/da	ay
Working	take to pieces				50.30 m/D	rill	ing Peri	od	16.8	m/d	ay
MOL	Moving of water				50.30 m/N	1/Net Drilling Days		Days	20.12	m/d	ay
	Road • others G • Total	8°00' 90°00'	 	<u>8.9</u> 100	Total wor	tkers	/ 50	.30 m	4.04	Man	/m
ed	Pipe Size & Meterage	Inserte Length Drillin	Rec	overy of ing Pipe	Total Drilling	Work	ers/ 50	.30 m	1.49	) Man	/m
		Length	- 1			Dri	lling o	E Siz	e		.
Insert	BW-CP 13.30 m	26.4	%	100 %	Bit size	·	BW		-T		
Pipe	11		2	7.	Drilling		2.80	<sup>n</sup> 4	<b>z.</b> 50 <sup>m</sup>		
	m		%	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Core Leng	gth	0.00	3	9.00		
Casing				· · · ·					• • • •		

	ويوسعون من موجود من موجود من موجود من موجوع									1.1	
ų.			Period		Number of Days	Woi	tual tking ays	Day O	ff Nun	tal ber o rker:	- 1
Period	Preparation	31st JUL	.'88∿5th	AUG.188	6		6	<b></b>		340	
	Drilling	6th AUG.	'88 ~8th	AUG.'88	3		2.5	0.5		141	
Working	Removing				-		-			<u> </u>	
3	Total	31st JUL	.'88∿8th	AUG.'88	9		8.5	0.5		481	
	Dept	h of Dril	ling		Core Rec	over	y for e	ach 10	)0 m se	ction	
Length	Planned Length	m 50.10	Over- burden	m	Depth of Hole		Secti	.on	То	tal	
	Increase or Decrease in Length	m 0.10	Core Length	m 31.80	0~50.10	 	82.	6 % %	82.	6	7. 7.
Drilling	Length Drilled	50.10 <sup>m</sup>	Core Recovery	82.6		m m	**************************************	% %		· · · · · · · · · · · · · · · · · · ·	7. 7.
	Drilling	38°00' <sup>H</sup>	69.1 <sup>%</sup>	31.7 %		m		7			72
	Out Drilling	17°00'	30.9	14.1		m		%		i si i	73
	Regain of Accident			-	Ef	fici	ency of	Dril	ling		
Time	Total	55°00'	1.00	45.8	50.10m/W	orki	ng Peri	od	5.57	m/da	4 Y
	Construct	57°00'	-	47.5	50.10m/W	orki	ng Days		5.89	m/da	ay
kin	take to pieces	-			50.10m/D	rill	ing Per	iod	16.70	m/da	ay
Working	Moving of water				50.10 <sub>m/N</sub>	et D	rilling	Days	20.04	m/da	ay
	Road • others	8°00'	-	6.7	· · · · ·					· · · · · ·	<u> </u>
	G • Total	120°00'	agi shi 🛥	100	Total wor	kers	/ 5	0.10 m	9.60	Man /	(m
ed	Pipe Size & Meterage	Inserte Length Drillin	7 Rec	7 Recovery of		Total Drilling Workers/ 50			2.81	Man	/aı
erted		Length				Dri	lling	of Siz	e		
Pipe Ins	BW-CP 10.50m	21.(	) %	% 100	Bit size		BW	56	-т	··.	
ipe	m		%	73	Drilling	· · ·	10.50	<sup>m</sup> 39	.60 <sup>m</sup>		
	m		73	%	Core Leng	gth	-	31	.80		
Casing								•			
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	 	Perio	d		Number of Days	Wo	rking	Day O	ff N	lotal umber of Workers
Preparation	9th AUG.	88∿1	lth A	UG.'88	3		3	-		120
Drilling	llth AUG.	'88∿	13th	AUG.'88	3	2	2.5	-		47
Removing										· · ·
Total	9th AUG.'	88∿1	lth A	UG.'88	6	4	5.5			167
Dept	h of Dril	ling			Core Rec	over	y for e	ach 1(	)0 m s	ection
Planned Length	50.00 <sup>m</sup>			m	Depth of Hole		Sectio	on	I	otal
Increase or Decrease in Length	0.20 m			m 34.10	0~50.20	m m	84.2	7. %	8	4.2 % %
Length Drilled	50.20 <sup>m</sup>			84.2		m m		7. 7.		<b>7</b> . 7.
Drilling	40°30' <sup>H</sup>	73	.6 7	45.0 %		m		73	:	7.
Out Drilling	14°30'	26	.4	16.1	• •	m		%		7
	-	-	-	-	Ef	fici	ency of	Dril	ling	
Total	55°00'	10	0	61.1	50.20m/W	orki	ng Perio	od	8.3	7 m/day
Construct	27°00'	-		30:0	50.20m/W	orki	ng Days		9.1	3 m/day
take to pieces	-	-		-	50.20m/D	ri11	ing Peri	Lod	16.7	3 m/day
Moving of water			-		50.20m/N	et D	rilling	Days	20.0	3 m/day
Road • others	8°00'		-	8.9			. 50		2.2	· · · ·
G • Total	90°00'	~	- 1	100	Total wor	kers	./		3.3	3 Man/m
Pipe Size & Meterage	Length	2			Total Drilling	Work	ers/ 50	.20 m	0.9	3 Man/m
	Length				Drilling of Size		e	-		
BW-CP 12.80m	25.5	; 7	1	.00 %	Bit size		BW	-	-T	
m	:	%		7	Drilling		9.70	<sup>m</sup> 40	.50 <sup>m</sup>	·····
m		7		%	Core Leng	gth .	0.00	34	.10	
······································										
	Drilling Removing Total Dept Planned Length Increase or Decrease in Length Length Drilled Drilling Out Drilling Regain of Accident Total Construct take to pieces Moving of water Road • others G • Total Pipe Size & Meterage BW-CP 12.80 <sup>m</sup>	Preparation9th AUG.*Drilling11th AUG.Removing1Total9th AUG.*Depth of DrilDepth of DrilPlanned Length50.00 mIncrease or Decrease in Length0.20 mDrilled50.20 mDrilling40°30'ROut Drilling14°30'Regain of Accident-Total55°00'Construct27°00'take to pieces-Moving of water-Road · others8°00'G · Total90°00'Pipe Size & MeterageInserted Length DrillingBW-CP12.80m25.5m-	Preparation9th AUG.'88v1Drilling11th AUG.'88v1Removing1Total9th AUG.'88v1Depth of DrillingPlanned Length50.00 mOver Decrease in Length0.20 mCore Decrease in Length50.20 mCore Berilled50.20 mOut Drilling Regain of Accident40°30'H7373Out Drilling Total14°30'Construct Construct27°00'Construct Construct-27°00'-Construct Length Total90°00'G. Total Pipe Size & MeterageInserted Length Drilling X LengthBW-CP 12.80m25.5T73	Drilling11th AUG.'88v13thRemovingTotal9th AUG.'88v11th ADepth of DrillingPlanned Length50.00 mOver- burdenIncrease or Decrease in Length0.20 mCore LengthLength Drilled50.20 mCore RecoveryDrilling Out Drilling40°30'H73.6 %Out Drilling Regain of AccidentTotal55°00'100Construct Construct27°00'-take to pieces Moving of water G. TotalPipe Size & MeterageInserted Length %Reco Cast Cast %BW-CP 12.80 m25.5 %1m%%	Preparation   9th AUC.'88vllth AUG.'88     Drilling   11th AUG.'88vllth AUG.'88     Removing	Periodof DaysPreparation9th AUG.'88v11th AUG.'883Drilling11th AUG.'88v13th AUG.'883RemovingTotal9th AUG.'88v11th AUG.'886Depth of DrillingCore RecPlanned Length50.00 mOver- burdenmDepth of Drilling0.20 mCore Length34.10 mIncrease or Decrease in Length0.20 mCore Recovery84.2 mDrilling40°30'H73.6 m45.0 mDrilling40°30'H73.6 m50.20 mDrilling14°30'26.416.1Regain of AccidentTotal55°00'10061.150.20 m/WConstruct27°00'-30.050.20 m/Wtake to piecesMoving of waterFipe Size & MeterageInserted Drilling LengthRecovery of Casing PipeTotal Drilling Total Moving of vaterBW-CP12.80m25.5 m100 <m< td="">8 bit size mBW-CP12.80m25.5 m100<m< td="">7 contalmzzzDrillingRZDrillingZDrilling</m<></m<>	Periodof DaysWo DaysPreparation9th AUC.'88×11th AUG.'883Drilling11th AUC.'88×13th AUG.'883Drilling11th AUC.'88×13th AUG.'883RemovingTotal9th AUG.'88×11th AUG.'886Depth of Drilling0ver- burdenmDepth of Drilling0ver- burdenmDepth of Drilling0.20Core Recovery34.10Increase or Derilled0.200.20Drilling40°30'H73.6 ZAccidentTotal55°00'100Out Drilling14°30'26.4AccidentTotal55°00'100G.Total55°00'-Noving of waterFinserted DrillingInserted DrillingNoving of waterPipe Size & MeterageInserted Drilling LengthBW-CP12.80m25.5 Z1008it sizemZ00' Intering Casing PipeBW-CP12.80m25.5 Z1008it sizemZ00' Intering Casing PipemZ100Recovery of Drilling LengthTotal Drilling VerkersNot contal25.5 Z100Not contal Casing PipeDrilling DrillingRecovery of Drilling LengthTotal VerkersNot contal Not contal25.5 ZNoContal Ve	PreparationPeriodof DaysWorking DaysPreparation9th AUG.'88vlth AUG.'8833Drilling11th AUG.'88vlth AUG.'8832.5RemovingTotal9th AUG.'88vlth AUG.'8865.5Depth of Drilling0ver- burdenm0epth of Burden0v50.20 mIncrease or Decretase in Length0.20 mCore Length84.2mIncrease or Drilling0.20 mCore Length84.2mIncrease or Drilled50.20 mCore Length84.2mDrilling40°30'H73.6 Z45.0 ZmDut Drilling14°30'26.416.1mRegain of AccidentEfficiency of 50.20m/Working PeriodTotal55°00'10061.150.20m/Working DaysSoldent50.20m/Working Daystake to pieces50.20m/Working DaysKake to pieces50.20m/Working DaysG - Total90°00'-100Total workers/ 50G - Total90°00'-100Total workers/ 50Pipe Size & MeterageInserted Length ZRecovery of Casing PipeTotal Drilling vorkers/ 50BW-CP Meterage25.5 Z100 ZBit sizeBWmZm50.20m/Working JaysBW-CP M	Period     of Days     Working Days     Day 0       Preparation     9th AUG.'88∿11th AUG.'88     3     3        Drilling     11th AUG.'88∿13th AUG.'88     3     2.5        Removing           Total     9th AUG.'88∿11th AUG.'88     6     5.5        Depth of Drilling     Ver- burden     m     Depth of Hole     Section Hole     Section Hole     Section Hole     Section Hole     Section Hole     Section Hole     Section Hole     Z       Planned Length     50.00 m     Over- burden     34.10 m     0.50.20 m     84.2     Z       Pilaned Length     50.20 m     Core Length     34.10 m     0.50.20 m     Z     Z       Deriting     40°30'H     73.6 Z     45.0 Z     m     Z     Z       Drilling     14°30'     26.4     16.1     m     Z     Z       Drilling     14°30'     26.4     16.1     50.20m/Working Period     So       Construct     27°00'     -	Periodof DaysWorking DaysDay Off N DaysN N DaysPreparation9th AUG.'88~11th AUG.'8833Drilling11th AUG.'88~13th AUG.'8832.5RemovingTotal9th AUG.'88~11th AUG.'8865.5Depth of DrillingCore Recovery for each 100 m s-NNNPlanned50.00 mOver- burdenmDepth of HoldSectionTIncrease or Derilled0.20 mCore Recovery34.10 m0SectionTIncrease or Drilling0.20 mCore Recovery84.2mZ84Ingh Accident50.20 mCore Recovery84.2mZ84Drilling14°30'26.416.1mZ5Out Drilling14°30'26.416.1mZ5Total55°00'10061.150.20 m/Working Period8.3Construct27°00'-30.050.20m/Working Days9.13take to pieces50.20 m/Working Days9.13take to pieces50.20m/Working Days20.00Road - others8°00'-8.970.20 m3.33G. Total90°00'-100Total workers/ 50.20 m3.33Bw-CP 12.80m25.5 %100 %Sit si

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# Operational Results by Drill Hole

									· .
, p			Period	<u></u>	Number of Days	Actual Workin Days	g Day C	)ff Number Worke	of
eri o	Preparation	19th OCT	. !88∿22nd	0CT.'88	4	4	-	93	
18 P(	Drilling	22nd OCT	.'88∿25th	OCT.'88	4	3	-	72	
Working Period	Removing	lst NOV.	'88%6th N	ov.'88	12	12		275	
M	Total	19th OCT	.'8806th 1	10V.'88	20	19		440	
	Dept	h of Dril	ling		Core Rec	overy fo	r each 10	00 m sectio	m
Length	Planned Length	m 50.00	Over- burden	m	Depth of Hole	Se	ction	Total	
60	Increase or Decrease in Length	m 0.30	Core Length	m 34.70	0~50.30	m 8 m	4.8 <u>%</u> %	84.8	7. 7.
Drillin	Length Drilled	50.30 <sup>m</sup>	Core Recovery	% 84.8		TT TT	% %		%
	Drilling	34°30' <sup>H</sup>	58.5 2	14.9 %		m	- 7.		%
	Out Drilling	24°30'	41.5	10.6		ជា	7		Z
	Regain of Accident		ت	· · · ·	Ef	ficiency	of Dril	ling	
Time	Total	59°00'	100	25.50	50.30 m/W	orking P	eriod	2.52 m/c	lay
	Construct	36°00'		15.5	50.30 m/W	orking D	ays	2.65 m/c	lay
Working	take to pieces			~	50.30 m/D	rilling	Period	12.58 m/c	day
	Moving of water	-		-	50.30 m/Net Drilling D		ing Days	16.77 m/c	day
	Road others	137°00'	-	59.0	}	<u></u>		0.75	
	G • Total	232°00'	~	100	Total wor	kers/	50.30 m	8.75 Mai	n/m
q	Pipe Size & Meterage	Inserte Length Drillin	7 Rec	overy of ing Pipe	Total Drilling	Workers,	50.30 m	1.43 <sup>Mar</sup>	n/m
erted		Length		6 -r-		Drillin	ng of Siz	e	
Inse	BW-CP 9.40 m	18.	7 %	100 %	Bit size	I	3W 56	-T	
Pipe	m		Z	7.	Drilling	9	.40 <sup>in</sup> 4	D.90 <sup>m</sup>	
	m,		%	73	Core Leng	gth O	.00 3	4.70	
Casing									
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		Period	, Hada		Number of Days	Woi	cking	Day	Off	Numbe	erof
Preparation	18th OCT	• <sup>1</sup> 88v2	Och	OCT.'88	3		3	·		10	5
Drilling	20th OCT	• '88∿2	2nd	OCT. '88	3		2			. 41	3
Removing					-	•		-			
Total	18th OCT	<b>.</b> ¹88∿2	22nd	OCT.'88	6		5	-		15	3
Dept	h of Dril	ling			Core Rec	over	y for (	each	100 m	sect	ion
Planned Length	ш 50.00	Over- burde		<b>m</b> ,	Depth of Hole		Sect	ion		Tota	1
Increase or	ա • C.10		h	m 38.10	0~50.10	m m	85.8			85.8	<u>7</u> %
Length Drilled	50.10 <sup>m</sup>		ery	<del>%</del> 85.8		m m					% %
Drilling	29°00' <sup>H</sup>	65.9	, %	37.2 %		m		3	7.		7.
Out Drilling	15°001	34.1	l	19.2		m		9	76		73
		-		-	Ef	fici	ency o	f Dri	lling	5	
Total	44°00'	100	)	56.4	50.10 m/W	orki	ng Peri	lod	8	.35 m	/day
Construct	27°00'	· · · -		34.6	50.10 m/W	orki	ng Days	3	10	.02 m	/day
take to pieces	-	-			50.10 <sup>m/D</sup>	rill	ing Per	riod	16	.70 <sup>m</sup>	/day
Moving of water	-	-			50.10 m/N	et D	rilling	g Days	s 25	.05 🗉	/day
Road · others	7°00'			9.0		······································			-	06 3	
G • Total	78°00'	-		100	Total wor	kers		J. 10		.US M	.an/m
Pipe Size & Meterage	Length	9			Total Drilling Workers/ 50.10 m 0.96			.96 <sup>M</sup>	an/m		
	Length					Dri	lling	of Si	ze		
BWCP 5.70 m	11.4	7		100 %	Bit size		BW	5	6-T		
m		7		2	Drilling		5.70	m 4	4.40	Ω.	
		%		%	Core Leng	gth	0.00	3	8.10		
	Drilling Removing Total Dept Planned Length Increase or Decrease in Length Length Drilled Drilling Out Drilling Regain of Accident Total Construct take to pieces Moving of water Road · others G · Total Pipe Size & Meterage BW-CP 5.70 m m	Preparation18th OCTDrilling20th OCTRemoving18th OCTTotal18th OCTDepth of DrilDepth of DrilPlannedmLength50.00Increase or Decrease in LengthmC.1010Length50.10Drilling29°00' HOut Drilling Regain of Accident	Preparation18th OCT.'88v2Drilling20th OCT.'88v2Removing18th OCT.'88v2Total18th OCT.'88v2Depth of DrillingPlannedmLength50.00Derease ormCoreDerease in0.10Length0.10Length0.10Drilling29°00'HDrilling15°00'Out Drilling15°00'Regain of-Accident-Total44°00'Construct27°00'take to pieces-Moving of water-Road · others7°00'G · Total78°00'Pipe Size &InsertedLengthDrillingBW-CP 5.7011.4m%	Drilling 20th OCT.'88~22nd Removing Total 18th OCT.'88~22nd Depth of Drilling Planned 0 0ver- burden Increase or 0 0 Core Decrease in 0.10 Length Length 50.10 Core Recovery Drilling 29°00' H 65.9 % Out Drilling 15°00' 34.1 Regain of 44°00' 100 Construct 27°00' - take to pieces Moving of water Road others 7°00' - G.Total 78°00' - Sinserted Length 7 Reco Drilling % Reco Pipe Size & Length 7 Reco Cast Length 7 Reco Drilling % BW-CP 5.70 m 11.4 % m %	Preparation   18th OCT.'88v20th OCT.'88     Drilling   20th OCT.'88v22nd OCT.'88     Removing	Periodof DaysPreparation18th OCT.'88v20th OCT.'883Drilling20th OCT.'88v22nd OCT.'883RemovingTotal18th OCT.'88v22nd OCT.'886Depth of DrillingCore RecPlanned50.000ver- burdenmLength50.000ver- burdenmDepth of DrillingCore RecPlanned0.10LengthLength0.10LengthDertilling29°00'HCore Recovery85.8Drilling29°00'HDut Drilling15°00'AccidentTotal44°00'Construct27°00'27°00'34.650.10 m/WConstruct27°00'G.Total78°00'Pipe Size & MeterageInserted LengthPipe Size & MeterageInserted LengthBW-CP 5.70 m11.4X100XZDrilling11.4X100TotalMXZZDrilling	Periodof DaysWor DPreparation18th OCT.'88v20th OCT.'883Drilling20th OCT.'88v22nd OCT.'883RemovingTotal18th OCT.'88v22nd OCT.'886Depth of DrillingCore RecoverPlannedmOver- burdenmDepth of DrillingCore RecoverPlannedmOver- burdenmDepth of DrillingCore RecoverPlannedmOver- burdenmDepth of DrillingSo.00Wer- burdenmDepth0.10Length38.10Length50.10M Core Recovery%Drilling29°00'H65.937.2Dut Drilling15°00'34.119.2Regain or AccidentAccidentTotal44°00'100So.10 m/Workin50.10 m/Workintake to piecesRoad · others7°00'-G · Total78°00'-Pipe Size & MeterageInserted LengthRecovery of Casing PipeBW-CP S.70 m11.4X100BW-CP S.70 m11.4X100MXZZDrillingDrilling	Periodof DaysWorking DaysPreparation18th OCT.'88v20th OCT.'8833Drilling20th OCT.'88v22nd OCT.'8832RemovingTotal18th OCT.'88v22nd OCT.'8865Depth'of DrillingCore Recovery for burden0Planned Length000Increase or Decrease in Length00Core Drillingm0v50.10 mDoillingCore RecoverymDrilling50.100Core BerillingmCore Drilling100Drilling29°00'H65.937.2mDut Drilling Accident15°00'34.119.2mRegain of Accident-700'-34.650.10 m/Working Peri 50.10 m/Working Peri 50.10 m/Working Daystake to pieces7°00'-9.0G · Total78°00'-Noving of water LengthPipe Size & MeterageInserted LengthTotal Casing PipeBW-CP 5.70 m11.42100m%2Drilling S.70m%%2Drilling5.70	Period     of Days     Working Days     Day       Preparation     18th OCT.'88v20th OCT.'88     3     3     -       Drilling     20th OCT.'88v20th OCT.'88     3     2     -       Removing     -     -     -     -     -       Total     18th OCT.'88v22nd OCT.'88     6     5     -     -       Depth of Drilling     Core Recovery for each     -     -     -     -       Planned     m     Over-     m     Depth of     Section     -     -       Increase or Decrease in Length     0.10     Length     38.10     m     -     -       Length     50.10     m Core Recovery     85.8     m     -     -       Drilling     29°00'H     65.9     37.2     M     -     -       Out Drilling     15°00'     34.1     19.2     M     -     -       Regain of Accident     -     -     -     -     -     -     -     -     -     -     - <td>Period     of Days     Working Days     Day Off Days       Preparation     18th OCT.'88~20th OCT.'88     3     3     -       Drilling     20th OCT.'88~22nd OCT.'88     3     2     -       Removing     -     -     -     -       Total     18th OCT.'88~22nd OCT.'88     6     5     -       Depth of Drilling     Core Recovery for each 100 m     -     -       Depth of Drilling     Core Recovery for each 100 m     85.8 z     -       Increase or Decrease in Length     0.00     Wer-     m     0.050.10 m     85.8 z     -       Drilling     29°00' H     65.9 z     37.2 z     m     z     -       Drilling     29°00' H     65.9 z     37.2 z     m     z     -       Drilling     29°00' H     65.9 z     37.2 z     m     z     -       Drilling     1000' 34.1 19.2     m     z     -     -     50.10 m/Working Paiod     8       Construct     27°00' -     34.6     50.10 m/Working Days     10<!--</td--><td>Period     of Days     Working Days     Day Off Days     Number Working       Preparation     18th OCT.'88v20th OCT.'88     3     3     -     100       Drilling     20th OCT.'88v22nd OCT.'88     3     2     -     44       Removing     -     -     -     -     -     -     44       Removing     -     -     -     -     -     -     -     44       Removing     -     150       Depth of Drilling     0ver- burden     m     Depth of     Section     Tota     Bote     Tota     Bote     -     Tota     -     -     -     -     -     -     -     -     -     -     -     -     -</td></td>	Period     of Days     Working Days     Day Off Days       Preparation     18th OCT.'88~20th OCT.'88     3     3     -       Drilling     20th OCT.'88~22nd OCT.'88     3     2     -       Removing     -     -     -     -       Total     18th OCT.'88~22nd OCT.'88     6     5     -       Depth of Drilling     Core Recovery for each 100 m     -     -       Depth of Drilling     Core Recovery for each 100 m     85.8 z     -       Increase or Decrease in Length     0.00     Wer-     m     0.050.10 m     85.8 z     -       Drilling     29°00' H     65.9 z     37.2 z     m     z     -       Drilling     29°00' H     65.9 z     37.2 z     m     z     -       Drilling     29°00' H     65.9 z     37.2 z     m     z     -       Drilling     1000' 34.1 19.2     m     z     -     -     50.10 m/Working Paiod     8       Construct     27°00' -     34.6     50.10 m/Working Days     10 </td <td>Period     of Days     Working Days     Day Off Days     Number Working       Preparation     18th OCT.'88v20th OCT.'88     3     3     -     100       Drilling     20th OCT.'88v22nd OCT.'88     3     2     -     44       Removing     -     -     -     -     -     -     44       Removing     -     -     -     -     -     -     -     44       Removing     -     150       Depth of Drilling     0ver- burden     m     Depth of     Section     Tota     Bote     Tota     Bote     -     Tota     -     -     -     -     -     -     -     -     -     -     -     -     -</td>	Period     of Days     Working Days     Day Off Days     Number Working       Preparation     18th OCT.'88v20th OCT.'88     3     3     -     100       Drilling     20th OCT.'88v22nd OCT.'88     3     2     -     44       Removing     -     -     -     -     -     -     44       Removing     -     -     -     -     -     -     -     44       Removing     -     150       Depth of Drilling     0ver- burden     m     Depth of     Section     Tota     Bote     Tota     Bote     -     Tota     -     -     -     -     -     -     -     -     -     -     -     -     -

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-19			Period		Number of Days	Wor	ual king ays	Day O	ff	Total lumber Worker	- 1
Period	Preparation	15th OCI	.'88∿17th	OCT.'88	3		3	: ••		115	
	Drilling	18th OCT	.'88∿20th	OCT. 188.	3	:	2.5			60	
Working	Removing	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					-				
3	Total	15th 001	.'88∿20th	OCT.'88	6		5.5	-		175	
	Dept	h of Dril	ling		Core Rec	overy	/ for ea	ach 10	)0 m :	section	1
Length	Planned Length	m 50.00	Over- burden	m	Depth of Hole		Sectio	on	4	fotal	
ling L	Increase or Decrease in Length	0.30 <sup>m</sup>	Core Length	ա 42.40	<u>0 ∿ 50.30</u>	m m	88.1	72 72	8	8.1	% %
Drill	Length Drilled	m 50/30	Core Recovery	7 88.1	·	m m		% %			76 76
	Drilling	35°00' <sup>H</sup>	63.6 7	38.9 %		m		73			%
	Out Drilling Regain of	20°00'	36.4	22.2		m		%			%
	Accident				Ef	ficie	ency of	Drill	ling		
Time	Total	55°00'	100	61.1	50.30 m/W	orkin	ng Perio	d	8.3	8 m/da	ıу
	Construct	27°00'	-	30.0	50.30 m/W	orkin	ng Days		9.1	5 m/da	аy
d Working	take to pieces	_	-		50.30 m/D	rilli	ng Peri	od	16.7	7 m/da	ay
	Moving of water		-		50.30 m/N	et Dr	illing	Days	20.1	2 m/da	ay
	Road • others G • Total	8°00' 90°00'		8.9 100	Total wor	kers	/ 50	. 30 <sup>m</sup>	3.4	8 Man,	/m
	Pipe Size & Meterage	Inserte Length Drillin	Rec	overy of ing Pipe	Total Drilling	Work	ers/ 50	.30 m	1.1	9 <sup>Man</sup>	/m
erted		Length				Dri	lling o	fSize	e		
Ins	BW-CP 2.50 m	5.0	7.	100 %	Bit size		BW	56	-T		_
Pipe Inse	m		%	%	Drilling		2.50	<sup>m</sup> 47	.80 <sup>n</sup>		
	m		2	7	Core Leng	gth	0.30	42	.10		
Casing					en 1945 - Santa 1946 - Santa Santa 1946 - Santa Santa	-j	<i></i>				

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JMC-11						•					
	]	Perio	1		Number of Days	Wor	king	Day (	)ff 1	Total Number Worker	
Preparation	12th OGT	. '88	14th	OCT.'88	3		3	_		95	
Drilling	15th OCT	• '88∿	17th	OCT.'88	3	3 3				72	
Removing					-		-				
Total	12th OCT	. '88∿	17th	OCT.'88	6		6			167	
Dept	h of Dril	ling			Core Recovery for each 100 m section						λ 1
1	m	Depth of Section Hole			lon	Total					
Increase or Decrease in Length	m 0.10	Core Lengt	:h	m 45.70	Q ∿ 50.10	) m m	93.	3 7.	9	3.3	% %
Length Drilled	m 50.10	Core Recov	very	% 93.3		m m		%%			% %
Drilling	41°30' <sup>H</sup>	62.	9 %	40.7 %		m		72			%
Out Drilling	24°30'	37.	1	24.0		m		7.			7
Accident	-		-						ling		
Total	66°00'	10	0	64.7	50.10 <sup>m/W</sup>	orki	ng Peri	.od	8.3	5 m/da	ιy
Construct	27°00'	-		26.5	1				8.3	5 m/da	iy
take to pieces	-	-			50.10 <sup>m/D</sup>	ri11.	ing Per	iod	16.7	0 m/da	зy
Moving of water	· · _ ·	·	. ·		50.10 m/N	et Di	rílling	Days	16.7	0 m/da	iy
Road • others	9°00'			8.8		<u> </u>					 ,
G • Total	102°00'			100	Total wor	kers	/ 50	J. 10 m	3.3	5 Man/	'm 
Pipe Size & Meterage	Length	z			Total Drilling	Work	ers/ 5	0.10 m	1.4	4 Man/	/m
0	Length				·	Dri	lling (	of Siz	ė .		
BW-CP 1.50 m	3.0	7		100 %	Bit size		BW	56	-T		
m.		%		7	Drilling		1.50	m 48	.60	1	
	m Z			7.	Core Leng	3th	0.40	45	.30	<u> </u>	
					• • •				-		
	Drilling Removing Total Dept Planned Length Increase or Decrease in Length Drilling Out Drilling Regain of Accident Total Construct take to pieces Moving of water Road · others G · Total Pipe Size & Meterage BW-CP 1.50 m	Preparation12th OCTDrilling15th OCTRemoving1Total12th OCTDepth of DrilDepth of DrilPlanned50.00Increase or Decrease in DrilledmDoilling41°30'HOut Drilling24°30'Regain of Accident-Total66°00'Construct27°00'take to pieces-Moving of water-Road · others9°00'G · Total102°00'Pipe Size & MeterageInserter Length Drillin BW-CP 1.50 mm3.0m-	Preparation12th OCT.'880Drilling15th OCT.'880Removing12th OCT.'880Total12th OCT.'880Depth of DrillingPlannedLength50.000ver burdeIncrease or Decrease in Lengthm 0.10Core LengthLength50.10m Core DrilledDrilling41°30'H 62.62.Out Drilling Regain of Accident-Total66°00'10 ConstructConstruct27°00'-take to piecesMoving of waterRoad · others9°00'-Pipe Size & MeterageInserted Length Z DrillingInserted Z R ZBW-CP1.50 m3.0 %m%	Drilling15th OCT.'88v17thRemoving12th OCT.'88v17thTotal12th OCT.'88v17thDepth of DrillingPlannedLength50.00Wer- burdenIncrease or Decrease in Lengthm 0.10Core LengthLength50.10Core RecoveryDrilling41°30'H62.9 %Out Drilling Regain of Accident24°30'37.1Regain of AccidentTotal66°00'100Construct27°00'-take to piecesMoving of waterRoad · others9°00'-Pipe Size & MeterageInserted Length DrillingReco CastBW-CP1.50 m3.0 %m%	Preparation   12th OCT.'88v14th OCT.'88     Drilling   15th OCT.'88v17th OCT.'88     Removing   12th OCT.'88v17th OCT.'88     Total   12th OCT.'88v17th OCT.'88     Depth of Drilling   Depth of Drilling     Planned   50.00   burden     Length   50.00   m   Over- burden   m     Increase or Decrease in Length   0.10   m   Core Recovery   93.3     Drilled   50.10   m Core Recovery   93.3   m     Drilling   41°30'H   62.9 %   40.7 %     Out Drilling   24°30'   37.1   24.0     Regain of Accident   -   -   -     Total   66°00'   100   64.7     Construct   27°00'   -   26.5     take to pieces   -   -   -     Moving of water   -   -   -     Road · others   9°00'   -   8.8     G · Total   102°00'   -   100     Pipe Size & Meterage   Inserted Length Drilling   Recovery of Casing Pipe     BW-CP 1.50 m   3.0 %	Periodof DaysPreparation12th OCT.'88~14th OCT.'883Drilling15th OCT.'88~17th OCT.'883RemovingTotal12th OCT.'88~17th OCT.'886Depth of DrillingCore RecPlanned Length50.00Over- burdenM of HoleIncrease or Decrease in Length0.10Core Recovery93.3Drilling41°30'H62.940.77Out Drilling Recovery24°30'37.124.07Regain or AccidentEffTotal66°00'10064.750.10 m/M50.10 m/MConstruct27°00'-26.550.10 m/MConstruct27°00'-8.8Total wordG . Total102°00'-100Total wordPipe Size & MeterageInserted Drilling LengthRecovery of So.10 m/MTotal wordBW-CP 1.50 m3.071007Drillinga27Drilling7Drillingm72221007	Periodof DaysWo DPreparation12th OCT.'88v14th OCT.'883Drilling15th OCT.'88v17th OCT.'883RemovingTotal12th OCT.'88v17th OCT.'886Depth of DrillingCore RecoverPlanned Length50.00mOver- burdenmDepth of DrillingCore RecoverPlanned Length50.00mOver- burdenmDepth of DrillingCore Lengthm0 v 50.10 mDecrease in Drilled0.10Core Recoverym0 v 50.10 mDrilling41°30'H62.9 Z40.7 ZmDut Drilling24°30'37.124.0mRegain of 	Period     of Days     Working Days       Preparation     12th OCT.'88~14th OCT.'88     3     3       Drilling     15th OCT.'88~17th OCT.'88     3     3       Removing     -     -     -       Total     12th OCT.'88~17th OCT.'88     6     6       Depth of Drilling     Core Recovery for burden     -     -       Planned Length     50.00     M Over- burden     m     Depth of     Secti Hole       Increase or Decrease in Length     0.10     Core Length     m     0 ~ 50.10 m 93.1       Length     50.10     Recovery     93.3     m     -       Drilling     41°30'H     62.9 Z     40.7 Z     m     -       Out Drilling     24°30'     37.1     24.0     m     -       Out Drilling     24°30'     37.1     24.0     m     -       Out Drilling     27°00'     -     26.5     50.10 m/Working Days     -       Construct     27°00'     -     26.5     50.10 m/Working Days     -      Caste to piec	Period     of Days     Working Days     Day of Days       Preparation     12th OCT.'88~14th OCT.'88     3     3     -       Drilling     15th OCT.'88~17th OCT.'88     3     3     -       Removing     -     -     -     -     -       Total     12th OCT.'88~17th OCT.'88     6     6     -       Depth of Drilling     Core Recovery for each 1       Planned     50.00 <sup>m</sup> Over- burden     0     0     93.3     Z       Decrease or Decrease or Decrease in Length     m     Core Recovery     93.3     m     Z     Z     Z       Drilling     24°30'     37.1     24.0     m     Z     Z     Z       Drilling     24°30'     37.1     24.0     m     Z     Z     Drilling Z     Z     Drilling Z     Z     SO.10 m/Working Period     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z<	Period     of Days     Working Days     Day Off     1       Preparation     12th OCT.'88w14th OCT.'88     3     3     -     -       Drilling     15th OCT.'88w17th OCT.'88     3     3     -     -       Removing     -     -     -     -     -     -       Total     12th OCT.'88w17th OCT.'88     6     6     -     -     -       Depth of Drilling     Core Recovery for each 100 m     0     -     -     -     -       Length     50.00     burden     m     Depth of     Section Hole     -     -       Length     50.10     m     Core Length     45.70     m     Z     m     Z       Drilling     41°30'M     62.9 Z     40.7 Z     m     Z     Z     D     Z     M     Z     Z     M     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z     Z	Period     of Days     Working Days     Day off Days     Number Worker       Preparation     12th OCT.'88~14th OCT.'88     3     3     -     95       Drilling     15th OCT.'88~17th OCT.'88     3     3     -     72       Removing     -     -     -     -     -     -       Total     12th OCT.'88~17th OCT.'88     6     6     -     167       Depth of Driling     Core Recovery for each 100 m section burden     Core Recovery for each 100 m section m     Total       Increase or Decrease in Length     0.10     Over- burden     m     Q ~ 50.10 m     93.3     Z     93.3       Drilling     41°30'H     62.9 Z     40.7 Z     m     Z     Z       Out Drilling     24°30'     37.1     24.0     m     Z     Z       Regatin of Accident     -     -     -     Efficience of Drilling     8.35 m/da       Costruct     27°00'     -     26.5     50.10 m/Working Days     8.35 m/da       Costruct     27°00'     -     26.5

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q		, / TTUI CAN AMBANGA ZA 201	Period		Number of Days	Actual Working Days	Day O	ff N	Fotal umber o Workers	
Period	Preparation	25th SEP	.'88∿28th	SEP.'88	4	4			110	
	Drilling	29th SEP	.'88∿30th	SEP.'88	2	2			60	
Working	Removing				~					
3	Total	25th SEF	?.'88∿30th	SEP.'88	6	6	-		170	
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
Length	Planned Length	m 50.00	Over- burden	m.	Depth of Hole	Sect	ion	T	otal	
	Increase or Decrease in Length	m 0.20	Core Length	m 46.10	0∿50.20	m 96. m	.0 %	96	.0	
Drilling	Length Drilled	m 50.20	Core Recovery	% 96.0		m m	%			
	Drilling	25° 30' <sup>H</sup>	58.0 <sup>%</sup>	29.0 %		m .	%			
	Out Drilling	18°30'	42.0	21.0		m	%			
1 · · ·	Regain of Accident		· · ·		Efficiency o		of Dril	ling		
Time	Total	44°00'	100	50.0	50.20 <sup>m/W</sup>	50.20 m/Working Per		8.37	m/day	
	Construct	36°00'	_	40.9	50.20m/W	orking Day	S	8.37	m/day	
Working	take to pieces	-	-		50.20m/D	rilling Pe	riod	25.10	n m/day	
Mo	Moving of water				50.20 m/N	et Drillin	g Days	25.10	) m/day	
	Road others	8°00'		9.1	Total wor	leare /			Man/n	
	G • Total	88°00'	1999 - A 📥	100	IOLAI WOI	Kels/	50.20 m	3.39		
d v S	Pipe Size & Meterage	Inserted Length Drillin	, Rec	overy of ing Pipe	Total Drilling	Workers/	50.20 m	1.20	) <sup>Man/n</sup>	
erted	<b></b>	Length				Drilling	of Siz	6		
Ins	вы-ср 3.50 щ	7.0	%	100 %	Bit size	BW	56	-T		
Pipe	m		%	%	Drilling	2.6	0 <sup>m</sup> 4	7.60 <sup>m</sup>	-	
8 P	n		7.	%	Core Leng	gth 0.40	0 4	5.70		
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AND THE REAL PROPERTY AND A DESCRIPTION OF									
	I	eriod	-	Number of Days	Actual Working Days	Day O	Total ff Number of Workers		
Preparation	21st SEP.	'88∿26th	SEP.'88	6	6	-	210		
Drilling	27th SEP.	'88∿28th	SEP.'88	2	2	-	68		
Removing				-	<del>_</del>	-			
Total	21st SEP.	'88∿28th	SEP.'88	8	8		278		
Dept	h of Dril	ling		Core Recovery for each 100 m section					
Planned Length	m 50.00	Over- burden	m	Depth of Hole	Total				
Increase or Decrease in Length	m 0.30	Core Length	m 48.40	0~50.30	m 99 m	.8 7 7	99.8 % %		
Length Drilled	<sup>m</sup> 50.30		× 99.8		m m	%	<b>%</b>		
Drilling	26°00' <sup>H</sup>	59.1 7	24.1 %		m	7.	Z		
Out Drilling	18°00'	40.9	16.7		m	7	%		
	-	_	-	Ef	Efficiency of		ing		
Total	44°00'	100	40.8	50.30 m/W	orking Per	iod	6.29 m/day		
Construct	36°00'		33.3	50.30 m/W	orking Day	s	6,29 m/day		
take to pieces		-	-	50.30 m/D	rilling Pe	riod	25.15 m/day		
Moving of water			-	50.30 m/N	et Drillin	g Days	25.15 m/day		
Road • others	28°00'		25.9			e nujarje			
G • Total	108°00'		100	Total wor	kers/	50.30 m	5.53 Man/m		
Pipe Size & Meterage	Length	7 Rec		Total Drilling	Workers/	50.30 m	1.35 Man/m		
	Length		<u></u>	:	Drilling	of Size			
BW-CP 1.80 m	3.6	72	100 %	Bit size	BW	56-	Т		
m		%	%	Drilling	1.8	0 <sup>m</sup> 48	3.50 <sup>m</sup>		
Π		73	7	Core Leng	gth 0.0	0 48	3.40		
	· · · · · · · · · · · · · · · · · · ·								
	Drilling Removing Total Dept Planned Length Increase or Decrease in Length Drilled Drilling Regain of Accident Total Construct take to pieces Moving of water Road • others G • Total Pipe Size & Meterage BW-CP 1.80 <sup>m</sup>	Drilling 27th SEP. Removing Total 21st SEP. Depth of Dril Planned m Length 50.00 Increase or m Decrease in 0.30 Length 0.30 Drilled 50.30 Drilling 18°00' Regain of Accident - Total 44°00' Construct 36°00' take to pieces - Moving of water - Road · others 28°00' G · Total 108°00' Second 108°00' Inserted Length Drilling 108°00' Second 108°00' Inserted Length Drilling 108°00' Second 108°00' Second 108°00' Second 108°00' Regain 01 Second 108°00' Distruct 108°00' Second 108°00' Se	Drilling27th SEP.'88v28thRemoving21st SEP.'88v28thTotal21st SEP.'88v28thDepth of DrillingPlannedLength50.00Increase or Decrease in Lengthm 0.30Core Decrease in Length0.30Length0.30Drilling26°00'HDrilling18°00'Out Drilling Regain of Accident18°00'Total44°00'Construct take to pieces-Road · others Meterage28°00'Fipe Size & MeterageInserted Length Z Cas LengthBW-CP1.80 m3.6TmZ	Drilling   27th SEP.'88~28th SEP.'88     Removing   21st SEP.'88~28th SEP.'88     Depth of Drilling     Depth of Drilling     Depth of Drilling     Planned   m     Length     Length   50.00     Length   m     Core   m     Length   m     Drilled   50.30     Brilling   26°00'H     Sp.1 %   24.1 %     Out Drilling   18°00'     Accident   -     -   -     Total   44°00'     Out Drilling   18°00'     Accident   -     -   -     Total   44°00'     Accident   -     -   -     Recovery   99.8     Construct   36°00'     -   -     Road - others   28°00'     Construct   36°00'     Inserted   Length     Pripe Size &   Inserted     Drilling   3.6	Preparation     21st SEP.'88~26th SEP.'88     6       Drilling     27th SEP.'88~28th SEP.'88     2       Removing     -     -       Total     21st SEP.'88~28th SEP.'88     8       Depth of Drilling     Core Rec       Planned     m     Over-     m       Length     50.00     burden     m     Over-       Increase or     m     Core     m     Over-     m       Length     50.00     Core     m     Ov50.30       Length     50.30     Recovery     99.8     -       Drilled     50.30     Recovery     99.8     -       Drilling     18°00'     40.9     16.7     -       Regain of     -     -     -     Eff       Accident     -     -     -     Eff       Total     44°00'     100     40.8     50.30 m/W       Construct     36°00'     -     33.3     50.30 m/W       Kake to pieces     -     -     -     50.30 m/W </td <td>Preparation     21st SEP.'88v26th SEP.'88     6     6       Drilling     27th SEP.'88v28th SEP.'88     2     2       Removing          Total     21st SEP.'88v28th SEP.'88     8     8     8       Depth of Drilling     Core Recovery for          Planned     m     Over-burden     m     Depth     Sect       Increase or Decrease in Length     0.30     Core     m     0v50.30 m     99       Length     50.30     Core     7     m         Drilling     26°00'H     59.1 %     24.1 %     m        Out Drilling     18°00'     40.9     16.7     m        Regain of Accident      -     Efficiency of 50.30 m/Working Per     50.30 m/Working Per       Construct     36°00'     -     33.3     50.30 m/Working Day       take to pieces     -     -     -     50.30 m/Working Day       G - Total     108°00'     100     40.8</td> <td>Preparation     21st SEP.'88v26th SEP.'88     6     6     -       Drilling     27th SEP.'88v28th SEP.'88     2     2     -       Removing     -     -     -     -     -       Total     21st SEP.'88v28th SEP.'88     8     8     -     -       Depth of Drilling     Core Recovery for each 10     Bepth of So.00     m     Depth of Section     Hole       Increase or mecrease in Length     0.30     Core Recovery 99.8     m     Z     -       Drilling     26°00'H     59.1 %     24.1 %     m     Z     Z       Out Drilling     18°00'     40.9     16.7     m     Z     Z       Out Drilling     18°00'     40.9     16.7     m     Z     Z       Construct     36°00'     -     33.3     50.30 m/Working Period     50.30 m/Sorking Period       So.30 m/Working 0f water     -     -     -     50.30 m/Sorking Period       Moving of water     -     -     -     50.30 m/Norking Days       Read · others</td>	Preparation     21st SEP.'88v26th SEP.'88     6     6       Drilling     27th SEP.'88v28th SEP.'88     2     2       Removing          Total     21st SEP.'88v28th SEP.'88     8     8     8       Depth of Drilling     Core Recovery for          Planned     m     Over-burden     m     Depth     Sect       Increase or Decrease in Length     0.30     Core     m     0v50.30 m     99       Length     50.30     Core     7     m         Drilling     26°00'H     59.1 %     24.1 %     m        Out Drilling     18°00'     40.9     16.7     m        Regain of Accident      -     Efficiency of 50.30 m/Working Per     50.30 m/Working Per       Construct     36°00'     -     33.3     50.30 m/Working Day       take to pieces     -     -     -     50.30 m/Working Day       G - Total     108°00'     100     40.8	Preparation     21st SEP.'88v26th SEP.'88     6     6     -       Drilling     27th SEP.'88v28th SEP.'88     2     2     -       Removing     -     -     -     -     -       Total     21st SEP.'88v28th SEP.'88     8     8     -     -       Depth of Drilling     Core Recovery for each 10     Bepth of So.00     m     Depth of Section     Hole       Increase or mecrease in Length     0.30     Core Recovery 99.8     m     Z     -       Drilling     26°00'H     59.1 %     24.1 %     m     Z     Z       Out Drilling     18°00'     40.9     16.7     m     Z     Z       Out Drilling     18°00'     40.9     16.7     m     Z     Z       Construct     36°00'     -     33.3     50.30 m/Working Period     50.30 m/Sorking Period       So.30 m/Working 0f water     -     -     -     50.30 m/Sorking Period       Moving of water     -     -     -     50.30 m/Norking Days       Read · others		

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-		ett för Samur E Altein här utvärk correcte bekunden:	Period		Number of Days	Actual Working Days	Day 0	ff Total Number of Workers			
Period	Preparation	27th SEP	.'88∿30th	SEP.'88	4	4		113			
00	Drilling	lst OCT.	'88∿3rd 00	ст.'88	3	2.5	75				
Workin	Removing					-	<u> </u>				
3	Total	27th SEP	.'88∿3rd (	DCT.'88	7	6.5	-	188			
	Dept	h of Dril	ling		Core Recovery for each 100 m secti						
ength	Planned Length	m 50.00	Over- burden	TA.	Depth of Hole	Sec	tion	Total			
ing L	Increase or Decrease in Length	m 0.20	Core Length	m 47.60	0∿50.20	m S m	95.6 %	95.6 <sub>%</sub> %			
Drill	Length Drilled	m 50.20	Core Recovery	% 95.60		m m	7.	% %			
	Drilling	35°30' <sup>H</sup>	64.5 %	35.5		m	7,	7			
	Out Drilling	19°30'	35.5	19.5		m	76	%			
	Regain of Accident		-	-	Ef	ficiency	of Drill	ing			
Time	Total	55°00'	100	55.0	50.20 m/W	orking Pe	riod	7.17 m/day			
60	Construct	36°00'		36.0	50.20 m/W	orking Da	ys	7.73 m/day			
Workin	take to pieces	-	<u> </u>	-	50.20 <sup>m/D</sup>	rilling P	eriod	16.73 m/day			
Wo	Moving of water	<u> </u>	-	-	50.20 m/N	et Drilli	ng Days	20.08 m/day			
ŀ.	Road • others	9.00 100°00'	-	9.0	Total wor	kers/	50.20 m	3.75 Man/m			
erted	G•Total Pipe Size & Meterage	Inserted Length Drillin Length	Rec	100 overy of ing Pipe	Total Drilling	Workers/	50.20 m	1.49 <sup>Man/m</sup>			
Inse	<sup>BW→CP</sup> 1.60 <sup>m</sup>	3.2	73	100 %	Bit size	BI	1 56-	-T			
Pipe .	m	J.2	%	<u> </u>	Drilling	1.0	60 <sup>m</sup> 4	8.60 <sup>m</sup>			
8 Pi	n		%	7	Core Leng	gth 1.	20 4	6.40			
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		]	Period		Number of Days	Actual Working Days	Day 0	ff Total Number of Workers	
Period	Preparation	6th AUG.	'88∿8th A	UG.'88	3	3	-	195	
	Drilling	9th AUG.	'88∿llth	AUG.'88	3	2.5	-	44	
Working	Removing						-	÷	
M.	Total	6th AUG.	'88∿11 <b>r</b> h	AUG.'88	6	5.5	: _	239	
C.F.Ballacara	Dept	h of Dril	ling		Core Recovery for each 100 m section				
ength	Planned Length	m 50.00	Over- burden	m	Depth of Hole	Sect	ion	Total	
ы	Increase or Decrease in Length	m 0.20	Core Length	m 44.80	0~50.20	m 94 m	.1 %	94.1 Z Z	
Drilling	Length Drilled	50.20 <sup>m</sup>	Core Recovery	<b>94.1</b>		ш щ	7% 7%	<u>7.</u> 7.	
	Drilling	41°00' H	74.5	45.5 %	· · · · · · · · · · · · · · · · · · ·	m	7	7	
	Out Drilling	14°00'	25.5	15.6	1	m	7	7.	
	Regain of Accident		-	_	Ef	ficiency o	of Drill	ing	
Time	Total	55°00'	100	61.1	50.20 m/Working Period 8.37 m				
	Construct	27°00'	-	30.0	50.20 m/W	orking Day	s	9.12 m/day	
king	take to pieces	-	-	-	50.20 m/D	rilling Pe	riod	16.73 m/day	
Working	Moving of water	-	·	-	50.20 m/N	et Drillin	g Days	20.08 m/day	
	Road • others	8°00'		8.9					
	G • Total	90°00'	-	100	Total wor	kers/ 5	i0.20 m	4.76 Man/m	
q	Pipe Size & Meterage	Inserte Length Drillin	, Rec	covery of sing Pipe	Total Drilling	Workers/ 5	50.20 m	0.88 <sup>Man/m</sup>	
erted		Length				Drilling			
Ins(	BW-CP 2.60 m	5.2	7.	100 %	Bit size	BW	56-	-T	
Pipe	m		72	2	Drilling	2.60	) <sup>m</sup> 47	. 60 <sup>m</sup>	
	m		7	%	Core Leng	sth 0.00	) 44	.80	
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Operational	Results	by	Drill	Hole

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			Period		Number of Days	Actual Working Days	Day C	ff 1	Total lumber Worker	
eriod	Preparation	12th AUG	.'88∿13t	h AUG.'88	2	2			135	
64	Drilling	14th AUG	.'88∿15t	h AUG.'88	2	2	·   -		35	
Workin	Removing	· · ·				-	-			
M	Total	12th AUG	.'88∿15t	h AUG.'88	4	4	-		170	
	Dept	h of Dril	ling	<u></u>	Core Recovery for each 100 m secti					,
Length	Planned Length	50.00 <sup>m</sup>	Over- burden	m	Depth of Hole	Sec	tion	· ·	<b>Fotal</b>	
ling Le	Increase or Decrease in Length	т 0.20	Core Length	m 44.70	0 ~ 50.2	0 m 96 m	.8 % %	9	6.8	% %
Drill	Length Drilled	50.20 <sup>m</sup>	Core Recovery	, 96.8 <sup>%</sup>		m m	7. 7.	. :		7a 7a
	Drilling	32°00' <sup>H</sup>	72.7	<b>47.</b> 1		m	. 72			73
	Out Drilling	12°00'	27.3	17.6		m	73			2
	Regain of Accident	-	-	-	Ef	ficiency	of Dril	ling		
Time	Total	44°00'	100	64.7	50.20 m/We	orking Pe	riod	12.5	5 m/da	ıy
00	Construct	18°00'	<u> </u>	26.5	50.20 <sup>m/We</sup>	orking Da	ys	12.5	5 m/da	зу
Workin	take to pieces	-	<u> </u>	-	50.20 m/D	rilling P	eriod	25.1		ıy
WOL	Moving of water		-		50.20 m/N	et Drilli	ng Days	25.1	0 m/da	ay
	Road • others	6°00'		8.8	Total wor	<sup>ىرى ب</sup> ىنى بىكا <del>تىك</del> رىيى		1	o Man	/m
	G • Total	68°00'	-	100	10001 101			5.3		
q	Pipe Size & Meterage	Inserte Length Drillin	- Red	covery of sing Pipe	Total Drilling	Workers/5	0.20 <sup>m</sup>	0.	69 Man,	/m
erted		Length				Drilling	of Siz	e		
Ins	BW-CP 4.00 m	7.9	, %	100 %	Bit size	Bk	56	~T		
ipe	m		%	7.	Drilling	4.0	0 <sup>m</sup> 46	. 20 <sup>π</sup>		
ig Pi	m		7	73	Core Leng	gth 0.0	0 44	.70	L	
Casing										
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#### Operational Results by Drill Hole

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rt		]	Period	∊, <sub>┍</sub> , <sub>┍</sub> , <sub>┍</sub> , <sub>┍</sub> , <sub>ο</sub> , <sub>σ</sub>	Number of Days	Actual Working Days	Day O	ff Number of Workers		
Period	Preparation	14th AUG	.'88∿15th	AUG.'88	2	2		85		
80	Drilling	16th AUG	.'88∿17th	AUG.'88	2	2		35		
Workin	Removing	· · · · · · · · · · · · · · · · · · ·	· · ·				_	-		
M	Total	14th AUG	.'88∿17th	AUG.'88	4	. 4	_	120		
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
Length	Planned Length	50.00 m	Over- burden	m	Depth of Hole	Sect	ion	Total		
	Increase or Decrease in Length	m 0.20	Core Length	m 33.90	0 ~ 50.2	0 m 83 u	5 % %	83.5 7		
Drilling	Length Drilled	т 50.20	Core Recovery	% 83.5		m	% %	2		
	Drilling	31°30' H	71.6 %	46.3 %		m		7.		
- · F	Out Drilling	12°30'	28.4	18.4		m	7	7.		
	Regain of Accident	- 1. 1.	-	-	Ĕf	ficiency of	of Dril	ling		
Time	Total	44°00'	100 - -	64.7	50.20m/W	orking Per	iod	12.55 m/day		
	Construct	18°00'		26.5	50.20 <sup>m</sup> /W	orking Day	's	12.55 m/day		
Working	take to pieces	_			-	8	rilling Pe		25.10 m/day	
Mor	Moving of water			-	50,20m/N	et Drillin	g Days	25.10 m/day		
	Road others	6°00'	-	8.8						
•	G • Total	68°001		100	Total wor	kers/ 5	0.20 "	2.39 Man/m		
	Pipe Size &	Inserte Length	Reco	overy of	Total Drilling	Workers/5	0.20 m	0.70 <sup>Man/m</sup>		
erted	Meterage	Drillin Length		ing Pipe		Drilling	of Size	3		
Inse	BW-CP 2.30 <sup>m</sup>	4.6	7 1	100 %	Bit size	BW	56	T		
Pipe	m	· · · · · · · · · · · · · · · · · · ·	%	73	Drilling	2.0	0 <sup>m</sup> 48	. 20 <sup>m</sup>		
	m	· .	%	7.	Core Leng	th 0.0	0 33	.90		
Casing		·								
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p		]	Period		Number of Days	Actual Working Days	Day O	Total ff Number of Workers		
Period	Preparation	18th AUG.	'88∿20th .	AUG.'88	3	3	-	135		
	Drilling	20th AUG.	'88∿22nd	AUG.'88	3	2.5	-	56		
Working	Removing				_					
3	Total	18th AUG.	'88~22nd	AUG.'88	6	5.5	191			
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
Length	Planned Length	ա 50.00	Over- burden	U1	Depth of Section Hole			Total		
illing Lo	Increase or Decrease in Length	m 0.10	Core Length	ա 45.80	0~50.10	m 98 m	3.3 % %	98.3 % %		
Drill	Length Drilled	m 50.10	Core Recovery	% 98.3		m m	%	% %		
	Drilling	30°00' <sup>H</sup>	69.8 <sup>%</sup>	38.9 ~		m	7	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
	Out Drilling	13°00'	30.2	16.9		m	7	~ ~		
	Regain of Accident		-		Ef	ficiency of	of Drill	ling		
Time	Total	43°00'	100	55.8	50.10 m/W	orking Per	iod	8.35 m/day		
	Construct	27°00'	-	35.1	50.10 m/W	orking Day	'S	9.11 m/day		
kir	take to pieces	-	-		50.10 m/D	rilling Pe	riod	16.70 m/day		
Working	Moving of water		· · · · · · · · ·	-	50.10 m/N	et Drillir	ng Days	20.04 m/day		
	Road • others	7°00'		9.1	Total wor	kers/ e	0.10 m	3.81 Man/m		
	G • Total	77°00'	-	100						
, o	Pipe Size & Meterage	Inserted Length Drilling	7 Reco	overy of ing Pipe	Total Drilling	Workers/	50.10 m	1.11 Man/m		
ertea		Length	5			Drilling	of Siz	e		
Ins	BW-CP 12.50 m	24.	9 %	100 %	Bit size	BW	56	-T		
Pipe	m		%	%	Drilling	3.50	) <sup>m</sup> 46.	60 <sup>m</sup>		
	m		%	2	Core Leng	gth 0.00	) 45.	80		
Casing								······································		
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		]	Period		Number of Days	Actual Working Days	Day O	Total ff Number of Workers		
eriod	Preparation	lst SEP.	'88~4th S	EP.'88	4	4	-	136		
104	Drilling	4th SEP.	'88∿6th S	EP,'88	- 3	2.5	-	82		
Working	Removing						-	-		
3	Total	lst SEP.	'88∿6th S	EP.'88	7	6.5		218		
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
Lengch	Planned Length	т 50.00	Over- burden	m	Depth of Hole	Sec	tion	Total		
ing Le	Increase or Decrease in Length	m 0.20	Core Length	т 48.30	0 ~ 50.2	20 m 98 m	.2 % %	98.2 <u>%</u> %		
Drilling	Length Drilled	50.20 <sup>m</sup>	Core Recovery	% 98.2		m m	7.	%		
	Drilling	30°30' <sup>H</sup>	55.5	30.5		m	7	7.		
	Out Drilling	24°30'	44.5	24.5		m	7	%		
	Regain of Accident		-		Ef	ficiency	of Dril	ling		
Time	Total	55°00'	100	55.0	50.20 m/W	orking Pe	riod	7.17 m/day		
00	Construct	36°00'	-	36.0	50.20 m/W	orking Da	ys	7.23 m/day		
Workin	take to pieces	-	-	-	50.20 m/D	rilling P	eriod	16.73 m/day		
Wor	Moving of water	-	-	-	50.20 m/N	et Drilli	ng Days	20.08 m/day		
	Road • others	9°00	-	9.0	(7	1	50 20-	4.34 Man/m		
	G • Total	100°00'	-	100	lotal wor	kers/	JU. 20m			
ų	Pipe Size & Meterage	Inserted Length Drilling	, Reco	overy of Ing Pipe	Total Drilling	Workers/	50.20m	1.63 <sup>Man/m</sup>		
Inserted	, C	Length			1	Drilling				
Ins	BW-CP 1.50 m	2.9	%	100 7	Bit size	BW		-T		
Pipe	<u>î</u> n		%	7	Drilling	1.5	0 <sup>m</sup> 48	8.70 <sup>m</sup>		
	m		8	7.	Core Leng	th 0.5	0 4	7.80		
Casing										
U U					<u> </u>					

	5140-20									
P			Period		Number of Days	Actual Working Days	Day (	off N	Total umber of Workers	
Period	Preparation	7th SEP.	'88~9th S	EP.'88	3	3			85	
	Drilling	9th SEP.	'88∿11th	SEP.'88	3 2.5		-		103	
Working	Removing						-		-	
N	Total	7th SEP.	'88∿11th :	SEP.'88	6	5.5			188	
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
Length	Planned Length	т 50.00	Over- burden	m	Depth of Hole	tion	T	otal		
	Increase or Decrease in Length	0.20 <sup>m</sup>	Core Length	49.20 <sup>m</sup>	0 ~ 50.2	0 m 98 m	.8 <u>%</u> %	- 9	8.8 %	
Drilling	Length Drilled	m 50.20	Core Recovery	% 98.8		m m	% %	· · · · · · · · · · · · · · · · · · ·	7 7	
$\vdash$	Drilling	35°00' <sup>H</sup>	63.6 <sup>%</sup>	38.9		m	. %		8	
	Out Drilling	20°00'	36.4	22.2		m	7.		8	
	Regain of Accident	-		-	Ef	ficiency	of Dril	ling		
Time	Total	55°00'	100	61.1	50.20 m/W	orking Pe	riod	8.3	7 m/day	
	Construct	27°00'	_	30.0	50.20 m/W	orking Da	ys	9.1	3 m/day	
Working	take to pieces	<u> </u>		<u></u>	50.20 m/D	rilling Po	eriod	16.7	3 m/day	
3	Moving of water		-		50.20 m/N	et Drilli	ng Days	20.0	8 m/day	
	Road • others G • Total	8:00' 90°00'	-	8.9 100	Total wor	kers/	50.20 m	3.7	5 Man/m	
erted	Pipe Size & Meterage	Inserted Length Drilling Length	, Reco	overy of ing Pipe	Total Drilling	Workers/			5 <sup>Man/m</sup>	
ser		bengen				Drilling				
Pipe Ins	BW-CP 1.80 <sup>m</sup>	3.6	7.	100 2	Bit size	Bh		T-T		
Pipe	<b>n</b>		%	%	Drilling	1.8	0. 4	8.40	• •	
ng l	11			%	Core Leng	sth 1.4	0 4	7.80		
Casing				······	· · · · · · · · · · ·		:			

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	510-21											
		]	Period			Number of Days	Wo	tual rking ays	Day C	ff		al er of kers
Period	Preparation	12th SEP	. 88∿1	4th	SEP.'88	3		3	-		122	
	Drilling	14th SEP	.'88∿1	6th	SEP.'88	3	2.5		-			79
Working	Removing	17th SEP	.'88∿1	7th	SEP.'88	1	······	1			• . •	3
M	Total	12th SEP	.'88∿1	7th	SEP.'88	7	6	.5		·	2	04
, <del></del>	Dept	h of Dril	ling			Core Recovery for each 100 m section						ion
Length	Planned Length	ա 50.00	Over- burder	n	m	Depth of Hole		Secti	on		Tota	1
	Increase or Decrease in Length	m 0.30	Core Lengt	h	m 45.80	0 ~ 50.30	m m	93.9	<u>7</u> %		93.9	% %
Drilling	Length Drilled	50.30 <sup>m</sup>	Core Recov	ery	% 93.9		D1 D1		<b>%</b> %			% %
	Drilling	29°00' <sup>H</sup>	46.1	%	29.5 %		m		%			7
	Out Drilling	25°001	39.8		25.5		m		%			Z
· •.	Regain of Accident	9°00'	14.1		9.0	Ef	fici	ency of	E Dril	ling		
Time	Total	64°00'	100		64.0	50.30 m/W	orki	ng Period		7.	19 m	/day
	Construct	27°00'	-		27.0	50.30 m/W	orki	ng Days		7.	74 0	/day
Working	take to pieces	-	-			50.30 m/D	rill	ing Per	iod	16.	76 m	/day
Wor	Moving of water		-	-	-	50.30 m/N	et D	rilling	Days	20.	12 m	/day
	Road • others	9°00'			9°00'							
	G • Total	100°00'	· · · <u>-</u>		100	Total wor	kers	/ 50	.30 m	4.	06 M	an/m
eď	Pipe Size & Meterage	Inserte Length Drillin	- 		overy of ing Pipe	Total Drilling	Work	ers/ 50	.30 m	1.	57 <sup>M</sup>	an/m
erted		Length			· .		Dri	lling o	of Siz	e		
Ins	BW-CP 2.30 m	3W-CP 2.30 m 4.6 % m %			100 %	Bit size		BW		-T		
Pipe	m				7.	Drilling		1.50	<sup>m</sup> 48	3.80		
р. 80	п			÷.,	73	Core Leng	th	0.00	45	5.80		
Casing								· · · · · · · · ·	e Selection Selection			
<u> </u>	: 				2				:			

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		]	Period		Number of Days	Actual Working Days	Day O	ff Total Number of Workers		
Period	Preparation	19th SEP.	'88∿22nd	SEP.'88	4	4	-	125		
	Drilling	22nd SEP.	'88∿24th	SEP.'88	3	2.5		70		
Working	Removing						-	-		
2	Total	19th SEP.	'88v24th	SEP,'88	7 6.5 - 195					
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
Length	Planned Length	m 50.00	Over- burden	n	Depth of Hole	Sect	ion	Tota1		
illing Le	Increase or Decrease in Length	m 0.20	Core Length	m 49.00	0~50.20	m 99. m	.6 7 7	99.6 <u>%</u> %		
Drill	Length Drilled	ш 50.20	Core Recovery	% 99.6		m m	Z Z	% %		
	Drilling	30°30′ <sup>H</sup>	55.5 %	30.5 %		m	%	%		
	Out Drilling	24°30'	44.5	24.5		m	2	~ %		
	Regain of Accident	_		-	Ef	ficiency o	of Drill	ing		
Time	Total	55°00'	100	55.0	50.20 m/W	orking Per	iod	7.17 m/day		
1 1	Construct	36°00'	-	36.0	50.20 <sup>m/Working</sup> Days		s	7.72 m/day		
Working	take to pieces	-			50.20 m/D	rilling Pe	riod	16.73 n/day		
Wor	Moving of water	-	-	-	50.20 m/N	et Drillin	Davs	20.08 m/day		
	Road • others	9°00'	-	9.0						
	G • Total	100°00'	-	100	Total wor	kers/ s	50.20 m	3.88 Man/m		
P	Pipe Size & Meterage	Inserted Length Drillin	Reco	overy of ing Pipe	Total Drilling	1.39 <sup>Man/m</sup>				
erted		Length				Drilling	of Size	<u>)</u>		
Insi	BW-CP 2.10 m	4.2	2	100 %	Bit size	BŴ	56-	-T		
Pipe	<b>1</b> 0		%	2	Drilling	2.10	) <sup>m</sup> 4	8.10		
	m		73	7.	Core Leng	gth 1.10	) 4	7.90		
Casing								······································		
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		Period	مى يەرىپىيە يەرىپىيە يەرىپىيە يەرىپىيە يەر	Number of Days	Actual Working Days	Day Of	ff Total Number of Workers		
Preparation	16th SEP.	'88∿19tł	SEP.'88	4	4	-	105		
Drilling	20th SEP.	'88∿22nd	1 SEP.'88	3	3 2.5		70		
Removing						-	-		
Total	16th SEP.	'88~22nd	SEP.'88	7 6.5 - 17					
Dept	h of Dril	ling		Core Recovery for each 100 m sectio					
Planned Length	m 50.00	Over- burden	π	Depth of Hole	Sect	ion	Total		
Increase or Decrease in Length	т 0.10	Core Length	m 39.70	0 ~ 50.10	) m 98 m	.0 %	98.0 <u>%</u> %		
Length Drilled	50.10 <sup>m</sup>	Core Recover	98.0 7		m %		7.		
Drilling	29°30' <sup>H</sup>	53.6	<sup>%</sup> 29.5 <sup>%</sup>		m	76	7		
Out Drilling	25°30'	46.4	25.5		n	7.	%		
Régain of Accident				Ef	ficiency of	of Drill	ing		
Total	55°00'	100	55,00	50.10 m/W	orking Per	iod	7.16 m/day		
Construct	36°00'	-	36.00	5 · · ·			7.71 m/day		
take to pieces	-	-		50.10 m/D	rilling Pe	riod	16.70 m/day		
Moving of water	-	-		50.10 m/N	et Drillin	ng Days	20.04 m/day		
Road · others G · Total	9°00' 100°00'	-	9.00	Total wor	kers/	50.10 m	3.49 Man/m		
Pipe Size &	Length	7 Re		Total Drilling	Workers/	50.10 m	1.40 Man/m		
Meterage	Length		51.16 1-pc		Drilling	of Size			
BW-CP 9.60 m	19.2	76	100 %	Bit size	BW		T		
m		%	%	Drilling	9.6	0 <sup>m</sup> 40.	50 <sup>m</sup>		
m		72	- 7.	Core Leng	th 0.0	0 39.	70		
					· · · · · · · · · · · · · · · · · · ·				
	Drilling Removing Total Dept Planned Length Increase or Decrease in Length Drilling Out Drilling Regain of Accident Total Construct take to pieces Moving of water Road · others G · Total Pipe Size & Meterage BW-CP 9.60 m m	Preparation16th SEP.Drilling20th SEP.Removing1Total16th SEP.Depth of DrilDepth of DrilPlanned Length50.00Increase or Decrease in LengthmDrilled50.10Drilling Out Drilling Regain of Accident29°30'HOut Drilling Regain of Accident-Total55°00'Construct Gonstruct36°00'take to pieces Pipe Size & Meterage-Noving of water Drillin BW-CP 9.60Inserter LengthBW-CP 9.60m19.2mm	Drilling20th SEP.'88v22ndRemovingTotal16th SEP.'88v22ndDepth of DrillingPlanned50.00Length50.00Increase or Decrease in Lengthm 0.10Core LengthDrilling29°30'H 53.6Out Drilling Regain of Accident55°00'Total55°00'Total55°00'Onstruct G.Total36°00' 9°00'G.Total100°00' Cast DrillingPipe Size & MeterageInserted Length Size & DrillingBW-CP9.6019.2m%	Preparation16th SEP.'88vl9th SEP.'88Drilling20th SEP.'88v22nd SEP.'88RemovingTotalTotal16th SEP.'88v22nd SEP.'88Depth of DrillingPlanned Length50.00Depth of DrillingM Over- burdenIncrease or Decrease in Lengthm 0.10Length Drilled50.10 m Core RecoveryGover- m 39.70Dentling Length29°30'H 53.6 %53.6 % 29.5 %Out Drilling Out Drilling 25°30'46.4 4 25.529.5 % 200'Out Drilling Accident Total55°00' 100 55.00100 55.00Construct Construct36°00' - - Moving of water Pipe Size & Meterage- Inserted Length % Drilling Kecovery of Casing Pipe LengthBW-CP m9.60 m 19.2 %100 % 2 100 %	Periodof DaysPreparation16th SEP.'88vl9th SEP.'884Drilling20th SEP.'88vl2th SEP.'883RemovingTotal16th SEP.'88vl2th SEP.'887Depth of DrillingCore RecPlanned Length50.000ver- burdenmDepth of DrillingCore RecPlanned Length50.000ver- burdenmIncrease or Decrease in LengthmCore RecoverymDrilled50.10 mCore RecoverymDrilling29°30'H53.62Drilling29°30'H53.62Out Drilling25°30'46.425.5Regain of AccidentEffTotal55°00'10055.0050.10 m/WConstruct36°00'-36.0050.10 m/Wtake to pieces7Road · others9°00'-9.00G · Total100°00'-100Total100°00'-100BW-CP9.60 m19.2Z100mXXDrillingW-CP9.60 m19.2Z100mXXDrilling	Preparation16th SEP.'88~19th SEP.'88of DaysWorking DaysPreparation16th SEP.'88~19th SEP.'8844Drilling20th SEP.'88~22nd SEP.'8832.5RemovingTotal16th SEP.'88~22nd SEP.'8876.5Depth of DrillingCore Recovery forPlanned Length50.000ver- burdenmDepth of Becrease in LengthSect HoleIncrease or Dertase in LengthmCore Recoverym0 ~ 50.10 m98Drilling29°30'H53.629.5mmDut Drilling25°30'46.425.5mmOut Drilling25°30'10055.0050.10 m/Working Per 50.10 m/Working Per 50.10 m/Working Day 50.10 m/Working Day 5	Period     of Days     Working Days     Day 01 Days       Preparation     16th SEP.'88v19th SEP.'88     4     4     -       Drilling     20th SEP.'88v22nd SEP.'88     3     2.5     -       Removing     -     -     -     -     -       Total     16th SEP.'88v22nd SEP.'88     7     6.5     -       Depth of Drilling     Core Recovery for each 10     -     -     -     -       Increase or Decrease in Length     0.10     Length     39.70     m     z     -       Length     50.10 m     Core Recovery     98.0 Z     m     z     -		

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PeriodNumber of DaysActual Working DaysDay Off Number Worker 0Preparation21st AUG.'88~22nd AUG.'8822-95Drilling22nd AUG.'88~24th AUG.'8832.5-50RemovingTotal21st AUG.'88~24th AUG.'8854.5-145Total21st AUG.'88~24th AUG.'8854.5-145Pepth of DrillingCore Recovery for each 100 m section burden0ver- burdenmDepth of BectionTotalPlanned Length0mOver- burdenm0v50.30 m93.7793.7Planned Lengthm0.30Length44.30m2-93.7TotalmCore7m2-145
Total21st AUG.'88v24th AUG.'8854.5-145Depth of DrillingCore Recovery for each 100 m sectionImage: Section of Length0/00 burden0/00 burdenTotalImage: Section of Length50.00 burdenm0/000 core0/000 coreImage: Section of Length0/00 corem0/000 coreImage: S
Total21st AUG.'88 $\sim$ 24th AUG.'8854.5-145Depth of DrillingCore Recovery for each 100 m section $\begin{array}{c} H \\ H \\ H \\ H \\ H \end{array}$ $\begin{array}{c} H \\ H \\ H \\ H \\ H \end{array}$ $\begin{array}{c} H \\ H \end{array}$ $\begin{array}{c} H \\ H $
$\vec{H}$ Planned $\vec{m}$ Over- burden $\vec{m}$ Depth ofSectionTotal $\vec{H}$ $50.00$ burden $\vec{Hole}$ $\vec{Hole}$ $\vec{Hole}$ $\vec{Hole}$ $\vec{H}$ Increase or $\vec{m}$ Core $\vec{m}$ $0 \sim 50.30$ $\vec{m}$ $93.7$ $\vec{\chi}$ $93.7$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Hougen
LengthmCoreZmZHDrilled50.30Recovery93.7mZ
Drilling 35°30' <sup>H</sup> 64.5 <sup>%</sup> 44.4 <sup>%</sup> m %
Out Drilling 19°30' 35.5 24.4 m %
Regain of Efficiency of Drilling
Joseph Total     55°00'     100     68.8     50.30 m/Working Period     10.06 m/da
take to pieces 50.30 m/Drilling Period 16.77 m/da
Road • others 7°00' - 8.7 Total workers/ 50.30 m 2.88 Man
G. Total 80°00' - 100 10021 WOLKELS7 50.30 m 2.88 Man
InsertedTotalPipe Size &LengthBoxRecovery ofBoxDrillingCasing PipeComparison
Weterage Drilling Casing Pipe   Length Drilling of Size
m % 7 Drilling 3.00 m 47.30 m
m % % Core Length 0.00 44.30
H BW-CP 3.00 m 6.00 Z 100 Z Bit size BW 56-T   m % % % % % % % % %   m % % % % % % % %   m % % % % % % %   m % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % % % % %   % % % %

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		<u></u>	Peric	od	₩₩₩₽₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	Number of Days	Wor	tual rking ays	Day C	ff	Total Number of Workers
Period	Preparation	16th AUG	;.'88	v17th	AUG.'88	2		2	-		95
	Drilling	18th AUC	; '88	v20th	AUG.'88	3	2	.5			46
Working	Removing	<u> </u>									-
WC	Total	16th AUG	. '88	v 20t	h AUG.'88	5 4.5 -					141
	Dept	h of Dril	ling			Core Recovery for each 100 m sectio					
ength	Planned Length	m 50.00	Over burd	1	m	Depth of Hole		Section			Total
<b>1</b>	Increase or Decrease in Length	0.10 "	Core Leng		47.20 <sup>m</sup>	0 ~ 50,1	50.10m 100 m		7. 7.		100 <u>%</u> %
Drilling	Length Drilled	50.10 <sup>m</sup>	Core Reco	very	% 93	m m		% %		%	
	Drilling	36° 30′ <sup>H</sup>	66	.4 7	45.6 %		m		%		7
	Out Drilling	18°30'	33	.6	23.1		m		73		7
	Regain of Accident				-	Ef	fici	ency o	f Dril	ling	
Time	Total	55°001	1	00	68.7	50.10 m/Working Peri			iod	10	.02 m/day
ം	Construct	18°00'	· ·		22.5	50.10 m/Working Days		S		13 m/day	
Workin	take to pieces	 		-	_	50.10 m/Drilling Perio		riod	16	.70 <sup>m/day</sup>	
Wor	Moving of water		ļ	-	. <del>-</del>	50.10 m/Net Drilling		g Days	20	.04 m/day	
	Road • others G • Total	7°00' 80°00'			8.8 100	Total workers/ 50.10 m			50.10 m		
ed	Pipe Size & Meterage	Inserte Length Drillin	. 97		overy of ing Pipe	Total Drilling				<b>.</b>	.92 <sup>Man/m</sup>
erted		Length					Dri	lling	of Siz	·	
Inse	BW-CP 6.40 m	12.8	7,		100 %	Bit size		BW		-T	
Pipe	m		7		%	Drilling		2.90		20	
	m		7		7	Core Leng	sth	0.00	43.	90	
Casing							. :		n an National Ann	•	

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	JFIC-20					and the second sec						
10		<u></u>	Perio	od		Number of Days	. Wor	tual rking ays	Day	Off	Total Number Worker	
Period	Preparation	22nd AUG	188	25th	AUG.'88	4	4.		~		135	;
ŧ .	Drilling	26th AUG	. '88^	28th	AUG.'88	3	3 2.5		-		80	
Working	Removing	·	,, <b>.</b>									
З	Total	22nd AUG	. ' 88'	28th	AUG.'88	7 6.5 -					215	
	Dept	h of Dril	ling			Core Recovery for each 10			00 m	section	n	
ength	Planned Length	50.00 <sup>m</sup>	Over burd		m	Depth of Hole		Secti	on		Total	 :
50	Increase or Decrease in Length	0.20 m	Core Leng		m 47.25	0 ~ 50.2	20 m m	98.0	0 %		98.0	76 73
Drillin	Length Drilled	m 50.20		very	7 98.0		n n	· · · · ·	% %			7.
	Drilling	39°00' <sup>H</sup>	60	.9 %	39.0 <sup>%</sup>		m		72			7
	Out Drilling	16°00'	25	.0	16.0		m		73			%
	Regain of Accident	9°00'	14.1		9.0	Ef	fici	ency of	Dril	lling		
Time	Total	64°00'	100		64.0	50.20 m/Working Per		ng Peri	od	7.	17 u/d	ay
	Construct	27°00'	-	-	27.0	50.20m/Working Day		ng Days	s		.72 m/d	ay
Working	take to pieces	-	-	-	-	50.20m/Drilling Pe		ing Per	riod 1		73 m/d	ay
Wor	Moving of water			-	-	50,20m/Net Drillin			Davs	20	08 m/d	av
	Road • others	9°00'		-	9.0	Total wor					. 28 <sup>Man</sup>	
	G•Total	100°00'	-	-	100			50	).20 <sup>1</sup>	4	. 28	
	Pipe Size & Meterage	Inserte Length Drillin	. 9		overy of ing Pipe	Total Drilling	Work	ers/ 50	0.20 r	n 1.	.59 <sup>Man</sup>	ı/m
erted	incertage	Length	8	043.	rug ripe		Dri	lling c	of Siz	ze		
Inse	BW-CP 2.0 m	3.9	7.		100 %	Bit size		BW	5	6-T	1	
Pipe	m		76		7	Drilling		2.00	m _ 4	8,20	n	
	m		%		7	Core Leng	gth	0.00	4	7.25	<u></u>	
Casing									······································		- <b>T</b>	·
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<b>r - 1</b>	AND REPORT OF A DESCRIPTION OF A DESCRIP				Number	Ac	tual	1						
		]	Period		of Days		rking ays	Day C	)ff	Number of Workers				
Period	Preparation	28th AUG.	.'88~30tl	AUG.'88	3		3			110				
1 1	Drilling	31st AUG.	'88∿1st	SEP.'88	2 2		-		64					
Working	Removing						. <u>-</u>							
3	Total	28th AUG.	'88∿lst	SEP.'88	5 5 - 174									
	Dept	h of Dril	ling		Core Rec	over	y for	each 1	<i>m</i> 00	section				
Length	Planned Length	50.00 <sup>m</sup>	Over- burden	D	Depth of Hole		Section			Total				
	Increase or Decrease in	n	Core	m	0 ~ 50.	20 m	100	) %		100 %				
lling	Length	0.20	Length	48.70		m	7.			%				
Dril	Length Drilled		Core Recover	7		<u> </u>		%		73				
P		50.20				m		7.	ļ	~ ~ ~				
	Drilling	27°00' <sup>H</sup>	61.4	<sup>%</sup> 35.1 <sup>%</sup>		n		%		~ ~ ~				
	Out Drilling	17°00'	38.6	22.0		m		73		%				
	Regain of Accident	-	-	-				of Dril	ling					
Time	Total	44°00'	100	57.1	50.20 m/Working Period			iod	10.	.04 m/day				
	Construct	27°00'		35.1	50.20 m/Working Days			S	10.	04 m/day				
Working	take to pieces			-	50.20 m/D	50.20 m/Drilling Perio			25.	10 m/day				
Mor	Moving of water		-	-	50.20 m/N	/Net Drilling D			25.	10 m/day				
	Road • others	6°00'		7.8				50.20 m		47 Man/m				
	G•Total	77°00'	_	100	Total wor		s/			4/ Plan/m				
75	Pipe Size & Meterage	Inserte Length Drillin	, Re	covery of sing Pipe	Total Drilling	Worl	kers/ 5	50.20 m	1.	27 Man/m				
erted	1	Length	5	<b>.</b> .		Dri	illing	of Siz	e					
Ins	BW-CE 2.00 m	3.9	%	100 %	Bit size	:	BW		- <b>T</b>	<u> </u>				
Pipe	m		%	73	Drilling		2.00	· <b>m</b> 4	8.20 <sup>1</sup>	D				
	m	<b></b>	%	76	Core Leng	gth	0.50	4	8.20					
Casing		<u> </u>			· · ·									
S				· · ·										

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	g ( g g g g Harris - Far Martin de Barris e de ser ser ser ser ser ser ser ser ser se	Period		Number of Days	Wor	king	Day O		Total lumber Worker	
Preparation	9th SEP. '	88∿llth S	EP.'88	3	3	3			100	
Drilling	12th SEP.	'88∿14th	SEP.'88	3	2.5 -			70		
Removing				-						
Total	9th SEP.'	88v14th S	EP.'88	6	5.	.5			170	
Dept	h of Dril	ling		Core Recovery for each 100 m section						a
Planned Length	m 50.00	0ver- burden	· · m	Depth of Hole		Sect	ion	1	Fotal	
Increase or Decrease in Length	m 0.20	Core Length	48.40 <sup>m</sup>	0~50.20	m m	100	%		100	7% 7%
Length Drilled	50.20 <sup>m</sup>	Core Recovery	100 %		m m		7. 7.			% %
Drilling	31°30' <sup>H</sup>	57.3 %	35.4 %		m		- %			76
Out Drilling	23°30'	42.7	26.4		m		%	Landa		73
Accident		-	-					ling	- 1	•
Total	55°00'	100	61.8				8.3	7 m/d	ay	
Construct	27°00'	-	30.3	0 ,			9.1	3 m/d	ay	
		<u>, an</u> 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	-	50.20 <sup>m/D</sup>	rilli	ng Pe	g Period 1		3 m/d	ay
		_	-	50.20 m/N	50.20 m/Net Drilling Days			20.	08 m/d	ay
G • Total	89°00'	-	100	Total wor	kers	/ 5	0.20 m	3.	39 Man	/m
Pipe Size & Meterage	Length	Rec		Total Drilling	Work	ers/ 5	50.20 m	1.	39 <sup>Man</sup>	./m
	Length	6 000	IND ITPO		Dri	lling	of Siz	6	•	
BW-CP 1.80 m	3.6	72	100 % %	Bit size		BW	56	-⊤T	-	
m		%	%	Drilling		1.80	) <sup>III</sup> 48	.40 <sup>m</sup>		
m e		7.	2	Core Leng	gth	0.00	) 48	.40		
	Drilling Removing Total Dept Planned Length Increase or Decrease in Length Drilled Drilling Out Drilling Regain of Accident Total Construct take to pieces Moving of water Road others G · Total Pipe Size & Meterage BW-CP 1.80 m m	Preparation9th SEP.'Drilling12th SEP.Removing12th SEP.'Total9th SEP.'Depth of DrilDepth of DrilPlanned Length50.00Increase or Decrease in Lengthm50.20 m0.20Drilled50.20 mDrilling31°30'HOut Drilling Regain of AccidentTotal55°00'Construct Construct27°00'take to piecesMoving of water G. Total-Road · others Meterage7°00'BW-CP 1.80 m3.6m-	Drilling12th SEP.'88v14thRemoving9th SEP.'88v14th STotal9th SEP.'88v14th SDepth of DrillingPlanned Length50.000ver- burdenIncrease or Decrease in Length0.20Core LengthLength Drilled50.20Core RecoveryDrilling31°30'H57.3 %Out Drilling Regain of Accident-Total55°00'100Construct 27°00'-Take to pieces-Moving of water Heterage-Pipe Size & MeterageInserted Length Size & LengthRec CasBW-CP1.803.6%	Preparation   9th SEP.'88∿11th SEP.'88     Drilling   12th SEP.'88∿14th SEP.'88     Removing   12th SEP.'88∿14th SEP.'88     Total   9th SEP.'88∿14th SEP.'88     Depth of Drilling     Planned   50.00   0ver-burden     Length   50.00   0ver-burden   m     Increase or Decrease in Length   50.20 m   Core Length   48.40     Length   50.20 m   Core Recovery   100 %     Drilled   50.20 m   Core Recovery   100 %     Drilling   31°30'H   57.3 %   35.4 %     Out Drilling   23°30'   42.7   26.4     Regain of Accident   -   -   -     Total   55°00'   100   61.8     Construct   27°00'   -   30.3     take to pieces   -   -   -     Moving of water   -   -   -     Road · others   7°00'   -   7.9     G · Total   89°00'   -   100     Pipe Size & Meterage   Inserted Length Drilling Length   Z   Recovery of Casing P	Periodof DaysPreparation9th SEP.'88vllth SEP.'883Drilling12th SEP.'88vl4th SEP.'883RemovingTotal9th SEP.'88vl4th SEP.'886Depth of DrillingCore RecPlanned Length50.000ver- burdenmDepth of flIncrease or Decrease in Length0.20Core Lengthm0v.50.20Drilled56.20Core Recoverym0v.50.20Drilled56.20Core Recovery1007Drilling31°30'42.726.4Régain of AccidentEffTotal55°00'10061.850.20 m/WConstruct27°00'-30.350.20 m/WConstruct27°00'-7.950.20 m/WRoad o others7°00'-7.9Total worPipe Size & MeterageInserted LengthRecovery of Casing PipeTotal DrillingBW-CP1.80 m3.6Z100Bit sizemZZDrillingTotal	Periodof DaysWor DaysPreparation9th SEP.'88vlith SEP.'8832Prilling12th SEP.'88vl4th SEP.'8832RemovingTotal9th SEP.'88vl4th SEP.'8865Depth of DrillingCore RecoveryPlanned Length50.000ver- burdenm 48.400v50.20m mPlanned Length0.20Core Lengthm 0.50.20m m0v50.20m mDrilling31°30' H 50.20 m57.3 Z Recovery35.4 X mm mm mDrilling31°30' H 57.3 Z35.4 X 35.4 Xm 	Periodof DaysWorking DaysPreparation9th SEP.'88~l1th SEP.'8833Drilling12th SEP.'88~l4th SEP.'8832.5RemovingTotal9th SEP.'88~l4th SEP.'8865.5Depth of Drilling0ver- burdenmDepth of HoleSect HoleIncrease or Dertherease in Drilling0.20mCore Length0v50.20100Increase or Dertharea find Sect0.20mCore Length0v50.20100Increase or Dertale find Out Drilling31°30'H57.3 %35.4 %m0Drilling31°30'H57.3 %35.4 %m00Drilling31°30'H57.3 %35.4 %m00Drilling31°30'H57.3 %35.4 %m00Drilling31°30'H57.3 %35.4 %m00Drilling23°30'42.726.4m00Out Drilling23°30'42.726.4m00Total55°00'10061.850.20 m/Working Days00Total55°00'10061.850.20 m/Working Days0.20 m/Working Days0Kake to pieces50.20 m/Working Days0G. Total89°00'-1007.950.20 m/Working Days0Budd others7°00'-7.97.950.20 m/Work	PreparationPeriodof DaysWorking DaysDay 0 DaysPreparation9th SEP.'88~llth SEP.'8833-Drilling12th SEP.'88~lth SEP.'8832.5-RemovingTotal9th SEP.'88~lth SEP.'8865.5-Depth of Drilling9th SEP.'88~lth SEP.'8865.5-Depth of Drilling0.000ver- burdenmDepth of HoleSectionIncrease or Decrease in Length0.20Core Lengthm0.50.20m1002000100zLength Drilling31°30' H57.3 Z35.4 XmzOut Drilling Accident30°30'42.726.4mzTotal55°00'10061.850.20 m/Working DaysSo.20 m/Working DaysConstruct Construct27°00'-30.350.20 m/Working DaysStaka to pleces Moving of waterPipe Size & MeterageInserted Length PrillingRecovery of Casing PipeTotal So.20 m/Working DaysTotal So.20 m/Working DaysBW-CP1.80 m3.6 Z100 ZBit sizeBW55BW-CP1.80 m3.6 Z100 ZBit sizeBW55BW-CP1.80 m3.6 Z100 ZBit sizeBW55BW-CP1.80 m3.6 Z100 ZBit sizeBW55 </td <td>Preparation     Period     of Days     Working Days     Day Off Days     No     No       Preparation     9th SEP.'88vlth SEP.'88     3     3     -  &lt;</td> <td>Period     of Days     Working Days     Day Off Days     Number Worker Days       Preparation     9th SEP.'88vllth SEP.'88     3     3     -     100       Drilling     12th SEP.'88vllth SEP.'88     3     2.5     -     70       Removing     -     -     -     -     -     70       Total     9th SEP.'88vl4th SEP.'88     6     5.5     -     170       Depth of Drilling     9th SEP.'88vl4th SEP.'88     6     5.5     -     170       Depth of Drilling     9th SEP.'88vl4th SEP.'88     6     5.5     -     170       Increase or Decrease in Length     0.20     Over- Length     0.50.00     0ver- Note     0v50.20     100     2     100       Length     50.20     Core Recovery     100 7     0.50.20     100     2     100       Length     50.20     Core Regain of     -     -     -     -     -     -       Drilling     31°30'     42.7     26.4     m     Z     -     -     &lt;</td>	Preparation     Period     of Days     Working Days     Day Off Days     No     No       Preparation     9th SEP.'88vlth SEP.'88     3     3     -  <	Period     of Days     Working Days     Day Off Days     Number Worker Days       Preparation     9th SEP.'88vllth SEP.'88     3     3     -     100       Drilling     12th SEP.'88vllth SEP.'88     3     2.5     -     70       Removing     -     -     -     -     -     70       Total     9th SEP.'88vl4th SEP.'88     6     5.5     -     170       Depth of Drilling     9th SEP.'88vl4th SEP.'88     6     5.5     -     170       Depth of Drilling     9th SEP.'88vl4th SEP.'88     6     5.5     -     170       Increase or Decrease in Length     0.20     Over- Length     0.50.00     0ver- Note     0v50.20     100     2     100       Length     50.20     Core Recovery     100 7     0.50.20     100     2     100       Length     50.20     Core Regain of     -     -     -     -     -     -       Drilling     31°30'     42.7     26.4     m     Z     -     -     <

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51		]	Period		Number of Days	Actual Working Days	Day O	ff Total Number of Workers		
Period	Preparation	14th SEP	.'88∿17th	SEP.'88	4	4	-	1.08		
80	Drilling	18th SEP	.'88∿19th	SEP.'88	2	2	-	56		
Workin	Removing				-	~~~		-		
X	Total	14th SEP	.'88∿19th	SEP.'88	6 6 - 164					
1.44	Dept	h of Dril	ling	- <u></u>	Core Recovery for each 100 m section					
Length	Planned Length	m 50.00	Over- burden	m	Depth of Hole	Sect	ion	Total		
	Increase or Decrease in Length	• m • 0.30	Core Length	m 48.40	0~ 48.49	0 m 97 m	.0 %	97.0 %		
Drilling	Length Drilled	m 50.30	Core Recovery	7.0 7.0		m m	7. 7. 7.	7. 7.		
	Drilling	23° 30 ' <sup>H</sup>	53.4 %	26.7 %		m	%	2		
	Out Drilling	20° 30'	46.6	23.3		m	7,	%		
	Regain of Accident			-	Ef	ficiency o	of Drill	ing		
TIME	Total	44°00'	100	50.0	50.30m/We	orking Per	iod	8.38 m/day		
	Construct	36°00'	· -	40.9	50.30m/Working Days			8.35 m/day		
RUTYJOM	take to pieces	t.	-	-	50.30m/Drilling Period			25.15 m/day		
70	Moving of water			-	50 20m/N	et Drillin	g Days	25.15 m/day		
	Road • others	8°00'		9.1						
	G • Total	88°00'	-	100	Total wor	kers/	50.30 m	3.26 Man/m		
rea	Pipe Size & Meterage	Inserte Length Drillin	🚽 🛛 Rec	overy of ing Pipe	Total Drilling	Workers/	ł			
R		Length				Drilling	of Size			
Tuse	BW-CP 1.60 m	3.2	%	100 %	Bit size	BW	56-			
ripe	m		%	%	Drilling	1.60	m 48	.70 <sup>m</sup>		
	m	. • .	7	%	Core Leng	th 1,20	47	. 20		
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q		]	Period		Number of Days	Actual Working Days	Day O		Total umber of Workers	
Period	Preparation	26th AUG	.'88∿28t	h AUG.'88	. 3	3			135	
	Drilling	28th AUG	.'88∿30t	h AUG.'88	3	2.5	-		80	
Working	Removing					-			-	
B	Total	26th AUG	.'88∿30t	h AUG.'88	6 5.5 - 215					
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
ength	Planned Length	m 50.00	Over- burden	m	Depth of Hole	Sect	ion		lotal	
	Increase or Decrease in Length	m 0.20	Core Length	m 45.30	0 ~ 50.2	0 m 90. m	2 73	<b>C</b>	90.2 <u>%</u>	
Drilling	Length Drilled	m 50.20	Core Recover	y 90.2		m m	%		7. 7.	
	Drilling	34°00' <sup>H</sup>	75.6	<sup>%</sup> 42.5 <sup>%</sup>		m	%		%	
	Out Drilling	11°00'	24.4	13.7		m	%		%	
	Regain of Accident		_	-	Ef	ficiency of	of Dril			
Time	Total	45°00'	100	56.2	50.20 m/W	iod	8.1	37 m/day		
	Construct	27°00'	-	33.8	50.20 m/W	vs	9.	13 m/day		
Working	take to pieces	-			50.20 m/D	rilling Pe	riod	16.	73 m/day	
Mo	Moving of water			-	50,20 m/N	et Drillin	ng Days	20.0	08 m/day	
	Road • others	8°00'		10.0						
	G · Total	80°00'	··· _•	100	Total wor	Kers/	50.20 m	4.3	28 <sup>Man/m</sup>	
p	Pipe Size & Meterage	Inserte Length Drillin	"Re	covery of sing Pipe	Total Drilling Workers/ 50.20 m 1.59 <sup>M</sup>					
erted		Length				Drilling	of Siz	e		
Ins	BW-CP 2.50 m	4.9	%	100 %	Bit size	BW	56	-T	19 - 19 <sup>1</sup>	
Pipe	m		73	%	Drilling	2.50	) <sup>m</sup> 47	7.70 <sup>m</sup>		
	m.	ang San Prata Prata	%	%	Core Leng	gth 1.70	) 4	5.30		
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70		· · · · · · · · · · · · · · · · · · ·	Perio	1	کر این کار	Number of Days	Wo	tual tking ays	Day (	Off	Total Number Worker	
Period	Preparation	30th AUG.	'88∿1	st S	EP.'88	3		3			110	
	Drilling	2nd SEP. '	88∿4t	h SE	P.'88	- 3	2	.5			85	
Working	Removing	······································		· · · · · ·	· · ·	-		-			-	
M	Total	30th AUG.	'88∿4	th 6	EP.'88	6 5.5 - 195					495	
	Dept	h of Dril	ling	<u></u>	<u>,</u>	Core Recovery for each 100 m section						a.
Length	Planned Length	т 50.00	Over- burde		m	Depth of Hole		Section		Tota		
	Increase or Decrease in Length	m 0.20	Core Lengi	:h	m 35.00	0 ~ 50.2	0 10 11	81.0	) <u>%</u> %		81.0	% %
Drilling	Length Drilled	50.20 <sup>m</sup>	Core Recovery		% 81.0		m m		72 73			72 72
<u> </u>	Drilling	31°30' <sup>H</sup>	57.	3 <sup>%</sup>	35.4 %		m		78			72
	Out Drilling	23° 30 '	42.	7	26.4		m		7			7
	Regain of Accident	-	-			Ef	fici	ency o	f Dril	ling		
Time	Total	55°00'	10	0	61.8	50.20 m/Working Period			od	8	.37 m/d.	ay
00	Construct	27°00'			30.3	50.20 m/Working Day			9	.13 m/da	ay	
Workin	take to pieces					50.20 m/Drilling P		ing Per	eriod 10		.73 m/d	ay
WOI	Moving of water				_	50.20 m/Net Drilling I			g Days	20	.08 m/d	ay
	Road • others	7°00' 89°00'	-		7.9	Total wor	kers	/ 50	0.20 m	1 3	.88 Man	/m
erted	G •Total Pipe Size & Meterage	Inserted Length Drillin Length	7		overy of ing Pipe	Total Drilling		ers/ 5( 11ing		.1	.69 Man	/m
Inser	BW-CP 7.00 m	1.4	7.		100 %	Bit size		BW	56	5-T		
Pipe I		1.4		·····	7	Drilling	<u> </u>	7.00	<sup>m</sup> 4	3.20	m	
	m		~ %	······	%	Core Leng	;th	0.00		5.00		
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d.			Period		Number of Days		· ·	Day O	ff N	Total umber Worker	
Period	Preparation	4th SEP.	88%6th SE	P.'88	3		3			90	
1 1	Drilling	7th SEP.	'88~9th SE	P.'88	3	_ 2	.5	-		80	
Working	Removing		·		-	-		-		_	
М	Total	4th SEP.	88∿9th SE	SP.'88	6 5.5 -					170	
	Dept	h of Dril	ling		Core Recovery for each 100 m sectio						1
Length	Planned Length	ա 50.00	Over- burden	m	Depth of Hole		Sectio	n	Tota		
1	Increase or Decrease in Length	0.10 <sup>m</sup>	Core Length	m 46.40	0 ∿ 50.	LOm m	97.5	<b>%</b>	97	.5	7 <u>7</u> 72
Drílling	Length Drilled	m 50,10	Core Recovery	% 97.5	m m			% %			72 72
	Drilling	32°00' <sup>H</sup>	58.2 %	36.0 %		m		%			7
	Out Drilling	23°00'	41.8	25.8		m		78			7
	Regain of Accident	-	-	-	Efficiency of Drillin			ling			
Time	Total	55°00'	100	61.8	50.10 <sup>m</sup> /Working Period {			8.3	5 m/da	ay	
	Construct	27°00'	-	30.3	50.10 <sup>m</sup> /Working Days			9.1	1 m/da	ay	
Working	take to pieces	-	-		50.10m/Drilling Period 16			16.7	0  m/d	ay	
Wo	Moving of water		-	-	50.10m/N				20.0	4 m/da	ay
	Road others	7°00'		7.9	Total wor	liano		10 m		9 Man	/m
	G • Total	89°001	-	100	10tal wol	. Kela		10 m	3.3	y nan	/ ut
þ	Pipe Size & Meterage	Inserte Length Drillin	Rec	overy of ing Pipe	Total Drilling	Worke	ers/50.	10 m	1.6	0 <sup>Man</sup>	/m
serted		Length			Drilling of Size						
Ins	вW-СР 3.00 <sup>т</sup>	6.0	2	100 %	Bit size		BW	56	-T		
Pipe	m		%	7.	Drilling		3.00	<sup>a</sup> 47	7.10 <sup>w</sup>		
	IR		2	7.	Core Leng	gt h	0.50	4	5,90		
Casing									•		
	L	1	i		L						-

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	الله الله من من المراجع المراجع التي التي المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المر						· · ·	
P			Period		Number of Days	Actual Working Days	Day Off	Total Number of Workers
Períod	Preparation	24th JUN.	88∿29th	JUN.'88	6	6	-	245
ം	Drilling	30th JUN.	'88∿3rd J	UE.'88	4	4	-	100
Workin	Removing			π		-	_	-
M	Total	24th JUN.	'88∿3rd J	UL.'88	10	10	-	345
	Dept	h of Dril	ling		Core Recovery for each 100 m sec			
Length	Planned Length	m	Depth of Hole	Sect	ion	Total		
illing Le	Increase or Decrease in Length	m 0.20	Core Length	m 46.10	<u>0</u> ∿50.20	m 92. m	2 %	92.2 <u>%</u> %
Drill	Drilled Length	50.20 <sup>m</sup>	Core Recovery	92.2		m m	%	7. %
<u> </u>	Drilling	37°00' <sup>H</sup>	67.3 2	32.4 %		щ	7.	7
	Out Drilling	18°00'	32.7	15.8		m	7,	7
1	Regain of Accident	· _ ·	·			ficiency c	of Drilli	ng
Time	Total	55°00.'	100	48.2	50.20m/W	orking Per	iod	5.02 m/day
	Construct	38°00'	-	33.4	50.20m/W	orking Day	s	5.02 m/day
Working	take to pieces	-	-		50.20m/D	rilling Pe	riod 1	6.73 m/day
Wor	Moving of water				50.20m/N	et Drillin	g Days 1	6.73 m/day
	Road • others	21°00'		18.4	<u> </u>			
	G • Total	114°00'	·	100	Total wor	kers/ 50	0.20 m	6.87 Man/m
q	Pipe Size & Meterage	Inserted Length Drilling	🦷 Rec	overy of ing Pipe	Total Drilling	Workers/5	0.20 m	1.99 Man/m
erted		Length				Drilling	of Size	
Ins	BW-CP 1.70 m	3.4	%	100 %	Bit size	BW	56-T	
Pipe	m		%	76	Drilling	1.70	<sup>m</sup> 48.5	0 <sup>m</sup>
g P;	m		%	7.	Core Leng	th 1.50	44.6	0
Casing								

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υ		:	Period	): () - () - () - () - () - () - () - ()	Number of Days	Actual Workin Days	ng Da	y Off	Total Number of Workers
eriod	Preparation	30th JUN.	'88∿3rd J	UL.'88	4	4		-	191
βu	Drilling	3rd JUL.	88∿óth JU	L.'88	4	2.5		1	57
Working	Removing		· · · · · · · · · · · · · · · · · · ·		-				
M	Total	30th JUN.	'88∿3rd J	UL.'88	8 6.5			1	248
: -	Dept	h of Dril	ling	<del></del>	Core Rec	overy f	or each	ı 100 n	section
Length	Planned Length	_50.00 <sup>™</sup>	Over- burden	m	Depth of Hole	S	ection		Total
	Increase or Decrease in Length	0.10 <sup>m</sup>	Core Length	m 47.70	0~50.10	n m	99.8	<u>7</u> 7	99.8 % %
Drilling	Length Drilled	50.10 <sup>m</sup>	Core Recovery	99.8 <sup>%</sup>		m D		73 73	<b>%</b> 7.
	Drilling	42°00' <sup>H</sup>	76.4 %	42 %		m		%	%
	Out Drilling	13°00'	23.6	13		m		7	%
	Regain of Accident	-		-	Efficiency o		y of Di	rilling	3
Time	Total	55°001	100	55	50.10 m/W	orking	Period		5.26 m/day
	Construct	36°00'	-	36	50.10 m/W	orking I	Days		7.70 m/day
Working	take to pieces	-		-	50.10 m/D	rilling	Period		2.52 m/day
Wor	Moving of water	-	-		50.10 m/N	et Dril	ling Da	avs 2	0.04 m/day
	Road • others	9°00'	-	9					
	G • Total	100°00'		100	Total wor	kers/	50,20	m	4.95 Man/m
ų.	Pipe Size & Meterage	Inserte Length Drillin	Rec	overy of ing Pipe	Total Drilling	Workers	/50.20	m	1.13 <sup>Man/m</sup>
erted		Length				Drilli	ng of s	Size	· · · · · · · · · · · · · · · · · · ·
Ins(	BW-CP 2.30 m	4.6	7.	100 %	Bit size		BW	56-T	
Pipe	щ		2	%	Drilling	2	2.30 <sup>m</sup>	47.80	m
	m		7.	%	Core Leng	gth (	0.00	47.70	
Casing							· · · ·		
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JMS-14

79		]	Period	999 (* 1999) * * de sans i de sans (* 1997) 999 (* 1999) * e de sans (* 1997)	Number of Days	Actual Working Days	Day O	ff	Total Number Worker	
Períod	Preparation	4th JUL.	'88∿6th J	UL. 188	3	2 1		90		
	Drilling	7th JUL.	'88∿9th J	UL.'88	3	2.5			76	
Working	Removing				-		-			
M	Total	4th JUL.	'88∿9th J	UL.'88	6	4.5 1			166	
	Dept	h of Dril	ling		Core Rec	overy for	each 10	)0 m	section	 1
Length	Planned Length	50.00 <sup>m</sup>	Over- burden	m	Depth of Hole	Sect	ion		Total	
	Increase or Decrease in Length	m 0.10	Core Length	т 48.00	0~50.10	m 9 m	97.0 % %		97.0	7. 7.
Drilling	Length Drilled	50.10 <sup>m</sup>	Core Recovery	% 97.0		m m	7. 7.		·	7 7
	Drilling	41° 30 <sup>H</sup>	69.2 %	50.6		m	%			76
	Out Drilling	18°30'	30.8	22.6		m	7,			73
	Regain of Accident	-		-	Ef	Efficiency of Drillin			:	
Tíme	Total	60°00'	100	73.2	50.1 m/Wo	orking Per	iod	8.	35 m/da	зу
	Construct	-	-		50.1 m/Wo	orking Day	s	11.13 m/da		ay
Working	take to pieces	20°00'	-	24.4	50.1 m/D	cilling Pe	riod	16.	70 m/da	ay
Wor	Moving of water	<u> </u>	-	·	50.1 m/Ne	et Drillin	g Days	20.	04 m/da	ay
	Road others	2°00'		2.4				<u> </u>		7
	G · Total	82°00'	таранан алар <b>на</b> ранан	100	Total wor	kers/ :	50.10 m	3.	31 Man,	/ш 
- Pa	Pipe Size & Meterage	Inserted Length Drillin	Rec	overy of ing Pipe	Total Drilling	Workers/	50.10 m	1.	52 <sup>Man</sup>	/m
erted	-	Length	at a barra	:		Drilling	of Size	2		
Ins	BW-CP 0.60 m	1.2	73	100 %	Bit size	BW	56	-T		
Pipe	m		78	::	Drilling	0:60	) <sup>m</sup> 49.	, 50 <sup>m</sup>	L	
80 1 1 1	m	· ·	72	7.	Core Leng	th 0.00	) 48.	.00		
Casing								· ·		
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(*************************************	an a	فيرج ويرجد والمتكاف ويوم محمد ساري								and the second second second		
ų		]	Period			Number of Days	Wo	tual rking ays	Day	) Off	Tota Number Worke	c of
Períod	Preparation	7th JUL.'	88~9ti	h JU	L.'88	3	3		-		135	
	Drilling	9th JUL.	88~12	th J	UL.'88	4	2.5			1	99	
Working	Removing					-					-	
	Total	7th JUL.	88~12	th J	UL.'88	7 5.5 1 234					,	
Γ	Dept	h of Dril	ling			Core Recovery for each 100 m section						on
Length	Planned Length	m 50.00	Over- burde		m	Depth of Hole		Sect	ion		Total	
	Increase or Decrease in Length	0.10	Core Lengt	h	m 49.7	0~50.10	) u n	99	9.2	% %	99.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Drilling	Length Drilled	50.10 <sup>m</sup>	Core Recov	ery	% 99.2		n n			% %		7 7
	Drilling	40°00'H	72.	7 %	44.9 %		m			7.		74
	Out Drilling	15°00'	27.	3	16.9		n	-		%		72
	Regain of Accident	_				Efficiency of Drilli			illin	g		
Time	Total	55°00'	100		61.8	50.10m/Working Period				7.16 m/day		
	Construct	18°00'			20.2	50.10m/Working Days				9.11 m/	day	
Working	take to pieces				· <del>.</del>	50.10 <sup>m/D</sup>	50.10m/Drilling Period			1	12.53 m/day	
WOY	Moving of water				-	50.10m/N	et D	rillin	g Day	ys 2	20.04 m/day	
	Road • others	16°001			18.0						,	
ľ	G •Total	89°00'	-		100	Total wor	ker	s/ S( 	0.10	m	4.67 Ma	.n/m
70	Pipe Size & Meterage	Inserted Length Drillin	9		overy of ing Pipe	Total Drilling	Worl	kers/50	0.10	m	1.98 <sup>Ma</sup>	m/m
serted	necciage	Length	5	045.	rug Tipe		Dr	illing	of S	ize		
Ins	BW-CP 1.50 m	3.0	%	:	100 %	Bit size		BW		56-T		
	m		73		%	Drilling		1.5	0 "	48.60	) <sup>m</sup>	
8 P.	π		2	_	%	Core Len	gth	1.1	0	48.60	)	
Casing Pipe									·.			
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		1. A.	1. Sec. 1.	1 A.	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -				
			Period	4. In a mathing of the function of the state of the sta	Number of Days	Actual Working Days	Day O	ff	Total Number of Workers
Period	Preparation	10th JUL.	'88∿12th	JUL.'88	- 3	3			119
	Drilling	13th JUL.	'88v14th	JUL.'88	2	2			58
Working	Removing				-	-			-
M	Total	10th JUL	'88∿14th	JUL.'88	5	5	-		177
	Dept	h of Dril	ling		Core Rec	overy for	each 10	)0 ш	section
Length	Planned Length	50.00 <sup>m</sup>	Over- burden	р	Depth of Hole	Sect	ion		Total
100	Increase or Decrease in Length	m. 0.10	Core Length	m 49.50	0∿50.10	m 99. m	4 <u>%</u> %		99.4 <u>z</u> %
Drill	Length Drilled	50.10 <sup>m</sup>	Core Recovery	99.4 8		m m	% %		% %
	Drilling	31° 30' <sup>H</sup>	71.6 %	41.4 %		m	73		%
<b>.</b>	Out Drilling	12°30'	28.4	16.5		m	%		7
	Regain of Accident	-			Ef	ficiency o	of Drill	ling	
Time	Total	44°00'	100	57.9	50.10 m/W	orking Per	iod	10.	02 m/day
	Construct	27°00'	-	35.5	50.10 m/W	orking Day	S	10.	02 m/day
Working	take to pieces	~	-	_	50.10 m/D	rilling Pe	riod	25.	05 m/day
Wor	Moving of water	<b>-</b>		_	50.10 m/N	et Drillin	g Davs	25.	05 m/day
	Road • others	5°00'	<b>-</b> .	6.6			0 / -		
	G •Total	76°00'	_	100	Total wor	kers/ 5	0.10 m	3.	53 Man/m
erted	Pipe Size & Meterage	Inserted Length Drilling Length	, Reco	overy of ing Pipe	Total Drilling	Workers/ 5 Drilling		L	
Inse	BW-CP 1.80 <sup>m</sup>	3.6	%	100 %	Bit size	BW	56-	-T	
Pipe ]	m		78	%	Drilling	1.80	m 48	.30	n
	m		%	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Core Leng			.00	
Casing					· · · · ·	· · · · · ·			
ca		1. S							

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P		]	Period		Number of Days	Actual Working Days	Day O	ff Nu	otal mber of orkers	
Period	Preparation	13th JUL.	'88∿14th	JUL.'88	2 ·	2 –			115	
1	Drilling	15th JUL.	'88∿17th	JUL.'88	. 3	3 –			82	
Working	Removing		4/ <del>/2014</del> 44/	·. · · · · · · · · · · · · · · · · · ·	_				<u></u> :	
M	Total	13th JUL.	'88∿14th	JUL.'88	5	5 -			197	
	Dept	h of Dril	ling		Core Recovery for each 100 m section					
ength	Planned Length	50.10 <sup>m</sup>	Over- burden	m	Depth of Hole	Sect	ion	To	tal	
ling Length	Increase or Decrease in Length	0.10 <sup>m</sup>	Core Length	m 28.40	0~50.10	ш 8 ш	6.6 % %	.81	6.6 % %	
Drill	Length Drilled	50.10 <sup>m</sup>	Core Recovery	% 86.6		m m	% %		7.	
	Drilling	43°30' <sup>H</sup>	66.0 %	46.3 %		m	7.		2	
	Out Drilling	.22°30'	34.0	23.9		m	7		2	
	Regain of Accident	-	-	-	Ef	Efficiency of D		ling		
Time	Total	66°00'	100	70.2	50.10m/W	orking Per	iod	10.02	m/day	
Ŧ	Construct	20°00'		21.3	50.10 <sup>m</sup> /W	orking Day	s	10.02	m/day	
Working	take to pieces	-	-	-	50.10m/D	rilling Pe	riod	16.70	m/day	
Wol	Moving of water	-	-	-	50.10 <sub>m/N</sub>	et Drillin	ng Days	16.70	m/day	
	Road • others	8°00'	<b></b>	8.5					/	
	G · Total	94°00'	-	100	Total wor	kers/	50.10 m	3.93	Man/u	
P	Pipe Size & Meterage	Inserted Length Drillin	y Rec	overy of ing Pipe	Total Drilling	Workers/	50.10 m	1.64	Man/m	
serted		Length				Drilling	of Size	3		
Ins	BW-CP 17.30 m	34.5	76 ]	100 %	Bit size	BW	56	-T		
Pipe In	m		%	%	Drilling	17.3	0 <sup>m</sup> 32	.80 <sup>m</sup>		
	m	ut e la	7	%	Core Leng	gth 0.0	0 28	.40	· · · · ·	
Casing					••••		· · · · · · · · · · ·			

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Total Number of Workers 103
103
114
<b></b>
217
section
Total
86.1 %
7. 7.
%
73
.37 m/day
.13 m/day
.73 m/day
.08 m/day
.32 Man/m
• 52
.27 Man/m
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đ			Period		Number of Days	Actual Working Days	Day Of	f Number Worke	of
Period	Preparation	18th JUL	.'88∿20th	JUL.'88	3	3	-	140	
	Drilling	20th JUL	'88∿22nd	JUL.'88	2 2			60	
Working	Removing	<u></u>		·		· · · ·		-	
B	Total	18th JUL	. '88∿22nd	JUL.'88	6	5	-	200	
	Dept	h of Dril	ling		Core Rec	overy for	each 100	m sectio	'n
Length	Planned Length	50.00 <sup>m</sup>	0ver- burden	Di .	Depth of Hole	Sect	ion	Total	
ling Le	Increase or Decrease in Length	0.30	Core Length	т 48.20	0~50.30	m 99 m	9.8 % %	99.8	% %
Drill	Length Drilled	50.30 <sup>m</sup>	Core Recovery	99.8 <sup>%</sup>		m m	72		7 7
ŀ	Drilling	30°00' <sup>H</sup>	69.3 <sup>%</sup>	39.1 %		m	7%		72
	Out Drilling	13°30'	30.7	17.3	:	ո	Z		72
	Regain of Accident	-	-	- ·	Efficiency of Drill			ng	
Time	Total	44°00'	100	56.4	50.30m/W	orking Per	iod	8.38 m/d	lay
	Construct	27°00'		34.6	50.30m/W	orking Day	5	10.06 m/d	lay
Working	take to pieces	-			50.30 m/D	rilling Pe	riod	16.76 m/d	lay
Wor	Moving of water	-			50.30m/N	et Drillin	g Days	25.15 m/d	lay
	Road · others	7°00'		9.0	Total wor				
	G • Total	78°00'	-	100	IOEAL WOL	kers/	50.30 🖿	3.98 Mar	1/11
P	Pipe Size & Meterage	Inserte Length Drillin	Rec	overy of ing Pipe	Total Drilling	Workers/	50.30 <sup>m</sup>	Mar 1.19	n/m
erted		Length	8			Drilling	of Size		
Ins	BW-CP 2.60 m	5.2	%	100 %	Bit size	BW	56-1	F	
Pipe	m		%	%	Drilling	2.6	0 <sup>m</sup> 47.	70 1	
	щ		78	%	Core Leng	gth 0.6	0 47.0	60	
Casing									
Ca		[ <b></b>			l se se				

#### JMT-25

	08-19U									e Maria da	
	:	- 1	Period	د هماری ( ه کار د معنی بر بین و جرمی م مربع از مربع از می	Number of Days	Wo	tual rking ays	Day Ö		Total lumber Worker	
Period	Preparation	25th JUL.	'88∿26th	JUL.'88	2		2			75	
£. I	Drilling	27th JUL.		JUL.'88	2		2	-		59	
Working	Removing.				~~		-			· ·	
3	Total	25th JUL.	'88∿28th	JUL.'88	4		4			134	
	Dept	h of Dril	ling		Core Rec	over	y for	each 10	)0 m :	section	n
Length	Planned Leugth	50.30 <sup>m</sup>	Over- burden	II	Depth of Hole		Sect	ion		lotal	· .
	Increase or Decrease in Length	0.30	Core Length	45.30 <sup>n</sup>	0∿50.30	m n	93	3.0 % %		93.0	- <u>%</u>
Drilling	Length Drilled	50.30 <sup>m</sup>	Core Recovery	93.0		m m	······	%			% %
	Drilling	31°30' <sup>H</sup>	71.6 %	46.3		m		%			76
1	Out Drilling	12°30'	28.4	18.4		ш		78		· ·	%
	Regain of Accident	-		-	EI	fici	ency c	f Dril	ling		
Time	Total	44°001	100	64.7	50.30 m/W	orki	ing Period		12.	58 m/d;	aý.
	Construct	18°00'	-	26.5	50.30 m/W	orki	ng Day	s	12.	58 m/d.	ay
Working	take to pieces	-			50.30 m/D	rilling Period		25.	15 m/d.	ay	
Wor	Moving of water		·	1 <u>1</u>	- 50.30 m/N	et D	rillin	g Days	25.	15 m/d.	ay
	Road others	6°00'		8.8	Total wor	kers	/	50.30 m	2.	66 Man	/m
	G • Total	68°00'		100							
â	Pipe Size & Meterage	Inserted Length Drilling	Reco	overy of ing Pipe	Total Drilling	Work	ers/ =	50.30 ш	1.	17 <sup>Man</sup>	/m
erted		Length	<b>3</b>			Dri	lling	of Size	2 · ·	n La Carlo La La Carlo	45
Ins	BW-CP 1.60 m	3.2	78	100 %	Bit size	· · · · ·	BM	56	-T		
Pipe	n		73	%	Drilling		1.60	) <sup>m</sup> 48	.70 <sup>m</sup>		
ы 8	n		7	7	Core Leng	3th	-	45	. 30		
Casing						-2				n are	
Ü	• • • • •	1 · · · 1				e is is e		n Al the second			

	<u> </u>				Number	Actual	1	l T.	otal
·			Period	1999 - C.	of	Working	Day O		nber of
~					Days	Days			orkers
Period	Preparation	17th JUL	'88∿24 th	JUL.'88	8	8	· -		324
	Drilling	25th JUL.	'88∿26th	JUL.'88	2	. <u>2</u>	· · · · · ·		60
Working	Removing					-	-		-
	Total	17th JUL	.'88∿26th	JUL.'88	10	10		× .	384
	Dept	h of Dril	ling		Core Rec	overy for	each 10	)0 u se	ction
Drilling Length	Planned Length	50.00 <sup>m</sup>	Over- burden	m	Depth of Hole	Sect	ion	То	tal
Ľ	Increase or	0.20 <sup>m</sup>	Core	44.90 <sup>m</sup>	0~50.20	m 98	.7 %	- 98.	7 %
а 1 8 1	Decrease in	0.20	Length	44.90	:	m	7,		%
11	Length	m		8	· · · ·				
H	Length Drilled	50.20	Core Recovery	98.7			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	:	7.
	DITIEd					Ð	%		%
	Drilling	32° 30' <sup>H</sup>	73.9 %	20.6 %		m · · ·	%		%
	Out Drilling	11°30'	26.1	7.3		m	~ %		7.
	Regain of Accident		-		Ef	ficiency (	of Dril	ling	
Time	Total	44°00'	100	27.9	50.20 m/W	orking Per	iod	5.02	m/day
	Construct	64°00'		40.5	50.20 m/W	orking Day	vs	5.02	
Working	take to pieces	-				rilling Pe		25.10	m/day
Vorl	Moving of water	-	-	-	50 20 m/N	et Drillin	o Dave	25 10	m/day
	Road · others	50°00'		31.6	JU.20 M/M		ig Days	<u> </u>	
	G • Total	158°00'	-	100	Total wor	rkers/	50.20 m	7.65	Man/m
	Pipe Size &	Inserte Length		overy of	Total Drilling	Workers/	50 20 10	1.20	Man/m
erted	Meterage	Drillin Length		ing Pipe		Drilling			
Inse	BW-CP 5.20 m	10.4	%	100 %	Bit size	BW	56	-T	·
Pipe I	I I I I I I I I I I I I I I I I I I I	<u> </u>	%	%	Drilling			5.00 <sup>m</sup>	
	m	n an	%	7.	Core Leng	gth 0.9	50 44	4.40	
Casing		1997 <u>(</u> . 1997)				· · · ·		l	
Cas								2010 - M	an a se
ö				4			· · · · · ·	40 F. 10	

JMT-27

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70		ی پر بال ۲۵۵ کرد. به ۲۹۵ کرد. به معالی می بر بال ۲۵۵ کرد. مراجع می بال بال ۲۵۵ کرد. به معالی می بر بال ۲۵۵ کرد. بال بال ۲۵۰ کرد. بال بال ۲۵۰ کرد. این بال ۲۵۰ کرد. این بال	Period		Number of Days	Wo	tual rking ays	Day O	ff 1	Total Number of Workers
Period	Preparation	27th JUL	.'88∿28t	h JUL.'88	2		2			90
,	Drilling	29th JUL	•'88∿30t	h JUL.'88	2		2	_+		59
Working	Removing	29th JUL	.'88∿30t	h JUL.'88	2		2			100
Μ.	Total	27th JUL	.'88∿30t	h JUL.'88	2		2			249
:	Dept	h of Dril	ling		Core Rec	over	y for ea	10h 10	)0 m	section
ngth	Planned Length	m 50,00	Over- burden	m	Depth of Hole		Sectio	n		Total
ling Length	Increase or Decrease in Length	۳ 0.20	Core Length	47.90 <sup>m</sup>	0 ~ 50.2	20 m m	98.4	7.		98.4 <u>7</u> 7
Drill	Length Drilled	50.20 <sup>m</sup>	Core Recover	98.4		m m		- % %		% %
	Drilling	32°00' <sup>H</sup>	72.7	<sup>7</sup> 30.8 <sup>%</sup>		n		2		8
	Out Drilling	12°00'	27.3	11.5		E	* +	%		%
	Regain of Accident	-		-	Ef	fici	ency of	Dril.	ling	
Time	Total	44°00'	100	42.3	50.20 m/W	orki	ng Peric	d .	8.	37 m/day
	Construct	54°00'	_	11.5	50.20 m/W	orki	ng Days		8.	37 m/day
Working	take to pieces	-			50.20 m/D	ri11	ing Peri	od	25.	10 m/day
Wor	Moving of water	<u> </u>		-	50.20 m/N	et D	rilling	Days	25.	10 m/day
	Road • others	6°00'	-	5.8	Total wor	ckers	·/ 50	20 m	4.	96 Man/m
	G • Total	104°00'		100		· · · · · · · · · · · · · · · · · · ·			<b></b>	
đ	Pipe Size & Meterage	Inserte Length Drillin	"Re	covery of sing Pipe	Total Drilling	Work	ers/ 50	.20 m	1.	18 <sup>Man/m</sup>
serted		Length				Dri	lling o	E Size	2	
Ins	BW-CP 1.60 m	3.2	%	100 %	Bit size		BW	56	-T	
Pipe	D		72	7	Drilling		1.60	<sup>n</sup> 48.	.60 <sup>II</sup>	
8 5	a.		72	7.	Core Leng	gth	0.10	47	80	
Casing										
.	and the second					_	·····			

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# Appendix 8

# List of the used equipments for drilling

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Item	Model	Quantity	Capacity, Type, and Specification
Drilling Machine	чмв05da	2	Capacity 56mm 55mm
			Inner Diameter of Spindle 42mm
Engine for Drill	DY-41B	2	Diesel Engine 7.5PS/1800rpm
Pump	MG-5A	<b>l</b>	Piston \$68mm Capacity 35 ~ 42%/min.
Engine for Drill	NFA 70	1	Diesel Engine
Generator	XT 38L	1	3.4KVA, 220V, 50 c/s
Engine for Generator	EY27-2D	. 1	Gasoline Engine 7.0PS/1800rpm
Pump	TAA600K	2	Capacity 42.8 %/min.
	:		Pressure 40 kg/cm <sup>2</sup>
Engine for Pump	L60SSNT	2	Diesel Engine 6.0PS/1800rpm
Pump	L-25	1	Capacity 70 <sup>l</sup> /min Pressure 40 kg/cm <sup>2</sup>
Engine for Pump	NF-10	1	Diesel Engine
Derrik			
Rod Holder	RH-45	1	Hand Typ
Drill Rods	40.5	30	3.00 M/pc
	40.5	35	1.50 M/pc
Casing Pipes	BW	. 7	1.5 M/pc
	11	5	1.0 M/pc
	i at	5	0.5 M/pc
	18	5	0.3 M/pc
Double core Barrel	56-T	3	3.00 M/pc
	, IT	3	1.50 M/pc
Inner Tube	56 <b>-</b> T	2	3.00 M/pc
	· . 	2	1.50 M/pc
		l	
	-		

# List of the Used Equipments for Drilling

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Appendix 9 Articles of consumption and drilling parts

A-- 113

				Quant	ity	
Description	Specification	Unit	JMS Songue	JMT Thundulu	JMC Chilwa	Total
Light Oil	40#	l	48	20	135	203
Mobil Oil	30#	l	52	18	170	240
Hydraulic Oil	90#	l	23	10	138	171
Solbiu	EM	e	-	-	100	100
TK-60		kg	55.8	17	205	277.8
Cement		kg	480	280	1040	1800
Casing Metal Shoe		pc	4	. 1	13	18
Double Core Barrel Assy	56mmx3.00m	set	.1	-	2	3
Double Core Barrel Assy	56mmx1.50m	set	1	-	2	3
Inner Tube	56mmx3.00m	set	- ·	-	2	2
Inner Tube	56mmx1.50m	set	-	1	1	2
Extension Tube		pc	6	2	12	20
Core Lifter		рс	7	3	15	25
Core Lifter Case		pc	4	2	8	14
Drill Rod	40.5mmx3.00m	pc	6	2	8	16
Drill Rod	40.5mmx1.50m	pc	4	1	12	17
Drill Rod Coupling	40.5mm	рс	2	1	- 6	8
Casing Pipe	BWx1.50m	рс	-	-	1	1
Casing Pipe	BWx1.00m	pc	_ <sup>`</sup>		1	1
Casing Pipe	BWx0.50m	pc	- 1		1	1
Casing Pipe	BWx0.30m	рс		-	1	1
Core Box		pc	70	27	285	382
Wire Rope	9mmx 30m	roll	2	· - · ·	2	4
Manila Rope	12mmx100m		2	-	2	4
Vinyl Rope	10mmx200m	pc	<sup>:</sup> 2.	· · ·	2	4
Piston Rod	MG-5A	pc	-	1	1	2
Piston Rubber	68mm	рс	1	-	2	3
V-Packing	MG-5A	pc	10		10	20
Steel ball	MG-5A 1-1/2	рс	2	-	4	6

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# Articles of consumption and Drilling Parts

A - 114

				Quant	ity	
Description	Specification	Unit	JMS Songue	JMT Thundulu	JMC Chilwa	Total
Spark Plug	EY27-2D	pc	2	1	7	10
Air Element	EY27-2D	pc	1	-	1	2
Brush	EY27-20	рс	3	1	8	12
Steel Ball	TAA-600K	рс	1		3	4
V-Packing	DY-41B	рс	. 5	-	6	11
Water Swivel Packing	40.5mm	рс	2	-	2	4
Water Swivel Oil Seal	40.5mm	рс	1	1	1	3
Water Swivel Felt Ring	СН	рс	1		1	2
V-Belt	TA-600K	рс	2		2	4
Pressure Gauge	YBH~05DA	pc	-	1 <b>1</b>	1	2
Chuck Piece	YBM-05DA	рс	. –	<b></b>	2	2
Round Screw	YBM-05DA	pc	-		3	3
V-Belt	YBM-05DA	pc	~	2	3 -	5
V-Packing	SP-30B	pc	9.	-	. 9	18
Steel Ball	SP-30B	рс	-	-	4	4
Nozzle Assy	DY-41B	pc	-	1	1	2
Delivery Valve	DY-41B	рс	-	1		1
Element	DY41B	рс	-		<b>1</b> <sub>2</sub>	1
Nozzle	L-60SSNT	pc	1	-	<b>2</b> ·	3
V-Belt	L-60SSNT	pc	-	2	2 ·	4
L.O. Element	L-60SSNT	рс	1	-	1	2
V Packing	TAA-600K	pc	6	2	4	12
Needle	TAA-600K	рс	-	<b>1</b> 477 -	1	1
Pipe Wrench	600mm	pc	2	<b>-</b> ·	4	6
Pipe Wrench	450mm	pc	3	-	5	8
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	E S S S	1	1	1 S	I I	

# Appendix 10

Drilling meterage of diamond bits

### Drilling Meterage of Diamond Bits

Songwe Tundulu

JMS JMT

Y .	Trees	Rit Ma			Dril	ling M	eterag	e by Di	rill He	oles Un	nit Met	er		Total
Ltem	Туре	Bit No.	JMS 12	JMS 13	ЈМS 14	јмs 15	JMS 16	JMS 17	JMS 18	јм\$ 19	JMT 25	JMT 26	JМТ 27	iotai
	56T												38.30	
		C741	23.20	15.10										16.20
		C742		16.20										
		C743	25.30		10.40		1.		-					35.7
		C744			27.50									27.5
		C745				28.20								28.2
		C746			11.60	16.70								28.3
Bit		C747					29.60			а 1				29.6
		C748					14.90							14.9
		C749						26.00						26.0
		C750						6.80	4.40					11.2
		C751		2.40		3.70	3.80							9.9
		C752							21.90					21.9
		C753	-						22,40					22.4
		C754								27.60				27.6
		C755		•						8.80				8.8
		C756		14.10						11.30				25.4
		C757									31.60			31.6
		C758									17.10	4.00		21.1
		C759										41.00		41.0
		C760							- -				26.40	26.4
		C761										-	22.20	22.2
		Total	48.50	47.80	49.50	48.60	48.30	32.80	48.70	47.70	48.70	45.00	48.60	514.2

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# Drilling Metersge of Diamond Bits

#### JMC Chilwa

Than		Bit No.			Dril	ling M	eterage	e by D	rill Ho	ole, Ur	nit Mel	er		Tota
rrem	туре	DIL NO.	JMC 1	JMC 2	JMC 3	JMC 4	JMC 5	JMC 6	ЈМС 7	ЈМС 8	JMC 9	ЛМС 10	JMC 11	IUCA
	56T	C762	39.10											39.1
		C763	4.20						- -				7.70	11.9
		C764		30.90		1								30.9
		C765 C766		17.60	3.60		35.00		- 2 					21.2
		C767			20.50	-	55.00							20.5
Sit	· .	C768			24.50					3.40				27.9
		C769				26.20					i. I		·	26.2
		C770		a - 1		20,50			7.20					27.7
		18910 18911		· ···			7.00	9.80 24.30						16.8 29.8
	1.1	18912							30.20					35.7
		18913				•	-		3.10	32.40				35.5
		18914					-			5.10	34.40			39.5
		18915	÷	, stra							10.00	31.00	. }	41.0
		18916 18917		•							• •	16.80	10.00 30.90	26.8
		10717		-		• •		- -		:	 			
			:				•							
	:													
	1 - -								4	-				
									<b>_</b>					
		Total	43.30	48.50	48.60	46.70	47.50	39.60	40.50	40.90	44.40	47.80	48.60	496.4

# Drilling Meterage of Diamond Bits

.

#### JMC Chilwa

		<b></b>			Drilli	ing Met	cerage	by Dri	.11 Hol	le, Uni	t Mete	er :		Tota
Item	Туре	Bit No.	јмС 12	JМС 1.3	JMC 14	ЈМС 15	ЈМС 16	JMC 17	ЈМС 18	ЈМС 19	ЈМС 20	ЈМС 21	JMC 22	
	56T	18931	6.80		12.70		6.60							26.1
		18932		12.00	-	8.40	9.50		×					29.9
		18933	40.80										1	40.8
		18934		30.00						•				30.0
		18935				39.20								39.2
		18936			35.90					· ·				35.9
Bit		18937					30.10							30.1
		18938						13.90	17.10			. * *a	:	31.0
		18939		ļ				: 30.40	 -					30.4
		18940							29.50	4.00				33.5
		18941				t te a			•	2	36.60		an sharan ar An sharan ar	36.6
		18942		-		-			-		11.80	10.70	12.70	35.2
	1	18943						· · .			i	34.80		34.8
		18944											35.40	35.4
		18945								41.90		a.**		41.9
		C750		<sup>•</sup> 6.50										6.5
		C758				•		-	2.80					2.8
		C760										3.30		3.3
-		C761						3.90	1	-	-			3.9
		:								:	: : :			
			-		-		-		t t E					
i														
		Total	47.60	48.50	48,60	47.60	46,20	48,20	46,60	48.70	48.40	48.80	48.10	527.3

Drilling Meterage of Diamond Bits

JMC Chilwa

Team	Tuno	Bit No.			Drill	ling Me	eterage	e by Di	cill Ho	ole, l	Jnit Me	eter	Total
LCEII	туре	DIC NO.	ЈМС 23	JMC 24	JМС 25	лмс 26	JMC 27	ЈМС 28	ЈМС 29	лмс 30	JMC 31	лмс 32	1000
	56T	18918	32.20										32.2
		18919	6.40	28.40									34.8
		18920			31.50	6.90							38.4
		18921		18.90	15.70								34.6
		18922				34.60		4.20					38.8
		18923				6.70	14.40		9.20				30.3
Bit		18924					33.80	3.10		8			36.9
		18925						41.10					41.1
		18926							36.10				36.1
		18927		-						35.60			35.6
		18928								7.00	5.80	14.20	27.0
		18929									32.80		32.8
		18930										32.90	32.9
		C742							3.40		· ·		3.4
		C748						· · ·		5.10			5.1
		C751	1.90						:				1.9
		C755									4.60		4.6
							·						. :
						·							
									[				ļ
		Total	40.50	47.30	47.20	48.20	48.20	48.40	48.70	47,70	43.20	47.10	466.