IWCF CERTI	DATE WELL NAME				\bigcap		\bigcap				
SURFACE B	FIELD				$oldsymbol{Y}$		Y.				
FORMATION STRENGTH [FORMATION STRENGTH DATA					CURRENT WELL DATA					
SURFACE LEAK-OFF PRES FORMATION STRENGTH 1			DRILLING FLU		PPG						
DRILLING FLUID DENS. AT	TEST (B)	PPG	GRADIENT		PSI/FT						
MAX. ALLOWABLE DRILLING (B) - (A) 0.052 x SHOE TO	<u>=(C)</u>	NSITY =									
INITIAL M.A.A.S.P = ((C) - CURR. DENS.) x SH	OE TVD x 0.05 .=	52 PSI			IN						
MUD PL	JMP OUTPUT		M. DEPTH T.V. DEPTH		FT FT	4			•		
PUMP # 1 DISPL. PUM		PUMP #3 DISPL			J						
0.06119 BBL / STK 0.061	19 BBL/STK	0.06119 BBL/STK									
			HOLE DATA								
SLOW F	PUMP RATES		SIZE		IN						
SLOW PUMP D	YNAMIC PRE	SSURE LOSS	M. DEPTH		FT						
RATE PUMP # 1	PUMP # 2	PUMP # 3	T.V. DEPTH		FT						
SPM PS	PSI	PSI									
SPM PS	PSI	PSI									
PRE-RECORDED	LENGTH	CAPACITY	VOLUME		P STROK			IME N			
VOLUME DATA	FT	BBL/FT	BBL	# 1	# 2	# 3	# 1	# 2	# 3		
DDILL DIDE		0.01443)								
	RILL PIPE 0.01442										
DRILL COLLAR 0.008833											
DRILL STRING VOLUME (D)											
D/C x OPEN HOLE 0.0291											
D/P HWDP x OPEN HOLE 0.0505											
OPEN HOLE VOLUME (F)											
D/P x CASING 0.0576			+								
		(F+G)=H									
TOTAL WELL SYSTEM VOL		(D+H)=									
ACTIVE SURFACE VOLUME											
TOTAL ACTIVE FLUID VOLUME											

	Terry Smith		DATE					
IWCF C	ERTIFICATION	I TEST	WELL NAME					
SURFA	CE BOP KILL	SHEET	FIELD					
KICK DATA								
SHUT IN DRILL PIP	E PRESSURE	PSI						
SHUT IN CASING P	RESSURE	PSI	+					
PIT GAIN		1BBL = 42 US GAL.						
KILL FLUII	D DENSITY	CURRENT D	DRILLING FLUID DENSIT	Y + T'	SIDPP VDx.052			
			PPG					
KILL FLUID	GRADIENT	CURRENT D	CURRENT DRILLING FLUID GRADIENT + SII					
			+	=	PSI/FT			
		DYNAMIC PRESSURE LOSS + SIDPP						
	RCULATING RE .ICP.							
		+= PS						
	CULATING	CURRENT DRILLING FLUID DENSITY X PRESS LOSS						
PRESSUR	RE .FCP.	x= PSI						
	CULATING RE . FCP.	CURRENT DRILLING FLUID DENSITY No. 1 August 1985						
(K) = ICP- FCP	=	(K) X 100 =X 100=PSI/100 STKs =PSI (E)						
PRESSURE	STROKES							
0			PRESSURE REDU	JCTION				
		2000						
		1800						
		1600						
		1400 -						
		1200						
		1000						
		800						
		600						
		400						
		200						
		0						

TIFICATION TEST				DATE	###			
				WELL NAME	BILIP#1			
BOP KILL SHEET				COMPILED BY	RJ O'Brien		400	200
				FIELD	PNG			
FORMATION STRENGTH [DATA			CURRENT WELL DATA				
SURFACE LEAK-OFF PRE	SSURE FRO	М						
FORMATION STRENGTH 1	ΓEST							
	(A)	0	PSI	DRILLING FLU	ID DATA			
				DENSITY	8.6	PPG		
DRILLING FLUID DENS. AT	ΓTEST (B)	0	PPG	GRADIENT	0.4472	PSI/FT		
MAX. ALLOWABLE DRILLII	NG FLUID DE	ENSITY =						
			1					
(B) + (A)		0.00	PPG					
0.052 x SHOE T	V DEPTH							
INITIAL M.A.A.S.P =								
((C) - CURR. DENS.) x SH		052		CASING & SHO				
((C) - CORR. DENS.) X 3H		-366.70	Dei	SIZE	20	IN		
	.=	-300.70	FSI	M. DEPTH	820	FT		
PUMP OUTPUT				T.V. DEPTH	820	FT		
	/IP # 2 DISPL			I.V. DEFIII	020			344
0.046 BBL/STK	0.0698	BBL/STK					China	×410
0.040 BBE/OTK	0.0000	DDL/OTK		HOLE DATA				
/ PUMP RATES	@			SIZE	17 1/2	lin 🎚		
SLOW POWMPAMIC PRESSU				M. DEPTH	2789	ē		
RATE DATA PUMP # 1		# 2		T.V. DEPTH	2789	9	3400	1.2
40 180		1	PSI				1	
60 300			PSI					
PRE-RECORDED	LENGTH	CAPACITY		VOLUME	/IP STROI	KES TIN	ΛΕ	
VOLUME DATA	FT	BBL/FT		BBL	I STKS #	#21 MINU	JTES#2	
	-							
DRILL PIPE	1879.8	0.01442		27.107	589.276	388.35#	/ i	+##
HEVI WATE	365.82	0.008833		3.231	70.2454	46.294#	/	+##
DRILL COLLAR 543.38 0.00		0.007		3.804	82.6883	54.494#	##	###
DRILL STRING VOLUME (D)			34.142	742.21	489.14#	##	 	
D/C x OPEN HOLE 543.38 0.0291			15.812	343.747	226.54#	/	 	
D/P HWDP x OPEN HOLE 1425.62 0.0505			71.994	1565.08	1031#	# #	 	
OPEN HOLE VOLUME (F)			87.806	1908.83	1258#	##	 	
D/P x CASING 820 0.0576			47.232	1026.78	676.68#	# #	 	
TOTAL ANNULUS VOLUME 2789 (F+G)=H						1 1 1	1 1 1 1	
TOTAL ANNULUS VOLUME	2789	(F+G)=H		135.038	2935.61	1935#	/1	
TOTAL ANNULUS VOLUME TOTAL WELL SYSTEM VOL	2789 (D+H)=I	(F+G)=H		135.038 169.180		1935# 2424#		1111 1111
		(F+G)=H		169.180		2424#	#	

FIFICA	TION T	Terry Sn	nith							
							DATE WELL NAME			
BOP K	ILL SF	IEET					COMPILED BY			
						1 D D	FIELD L = 42 US GAL			
KICK DA	TA					100	L - 42 03 GAL			
SHUT IN	DRILL P	PIPE PR	ESSURE		400	PSI				
SHUT IN		PRESS	SURE		200	PSI				
PIT GAIN	J				15	BBL				
UID DI	ENSIT	Y	CURREN	T DRIL	LING FLU	ID DE	ENSITY +		SIDPP TVDx.052	
							+		x .052 = ###	PPG
JID GR	RADIEN	NT	CURRENT	DRILL	ING FLUI	D GR.	ADIENT +		SIDPP TVD	
							+		········ ###	PSI/FT
ING			DYNAMI	C PRE	SSURE LO	SSC+	+ SIDPP			
						+	=			
									!# 	PSI
INIC				VII	I ELLUD I	DENIC	UTV			
ING		-	CURREN'		<u>L FLUID I</u> LING FLU				χS	
					X		=		!#1	PSI
ING		-	CHDDEN		L FLUID I				χS	
					RILLING FLUID DENSITY			!#;	PSI	
	=.		.PSI	(k	() X 100 =	:	X 100=P	SI/100 ST	Ks	
							(E) 53.8	931	##1	
PRESSURE	Ē	STROKE	S							
		#1	#2							
580	400	0								
534	346	100								
488	292	200								
442	238	300								
396	184	400								
349	131	500								
303	77	600								
257	23	700								
211	-31	800								
165	-85	900								
119	-139	1000								
73	-193	1100								
238	0	742								

