



CASING REPORT

Casing String: PRODUCTION			Run Date 12/27/99		Shoe Depth: 7200		Float Collar Depth 7154		DV Tool Depths: 0		0	
Section	Prop. Size	Actual Size	Grade	Weight	Connection			Joints	Length	Prop. Depth	Actual Depth	
1	5.5	5.5	WC50	17	LTC			44	1820	7200	7200	
2	5.5	5.5	WC70	17	LTC			121	5380	5380	5380	

CEMENT REPORT

String:	PRODUCTION		Start Date:	12/27/99	
Stage:	1		Start Time:	12/30/99	
	"Lead"	"Tail"		"Lead"	"Tail"
Cement Type:	35/65H	50/50H	Slurry Volume (ft³):	3647	459
Cement Top (ft):	0	0	Thickening Time (h.min)	0	0
Slurry Weight (ppg):	12.4	14.2	Free Water (cc/30m):	0	0
Mix Water (gal/sx):	0	0	Fluid Loss (cc/30m):	0	0
Water Type:	FRESH	FRESH	Comp Str (psi):	0	0
Yield (ft³/sx):	2.14	1.35	Comp Str (h.min):	0	0
Sacks:	1704	340			
Lead Additives:	35/65 P/H+6%D20, 5%D44,		Tail Additives:	50/50/P/H+2%D20, 5%D44,	
Comment:	GOOD CIRC THROUGHOUT, CIRC 118 SKS OR 45 BBLS TO SURFACE.				
			Cement Returned (bbl):	45	
			Excess Cement %:	30	
			Mud Returned:	Yes	
			Time Plug @Bottom:	12/30/99	
			Max Pump PSI:	1800	
			Bump PSI:	2300	
			Pump Rate (bpm):	7	



String	CONDUCTOR	Run Date:	12/3/99	Shoe Depth:	40	Float Collar Depth:	0	DV Tool Depths:	0	0
CASING										
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth	
1	16	16	STD	0		1	40	40	40	
Totals:								1	40	

String	SURFACE	Run Date:	12/5/99	Shoe Depth:	1330	Float Collar Depth:	0	DV Tool Depths:	0	0
CASING										
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth	
1	8.625	8.625	NS-55	28	LTC	30	1316	1330	1330	
Totals:								30	1316	

CEMENT		Stage: 1	Start Date: 12/6/99	Start Time: 0:00			
	"Lead"	"Tail"		"Lead"	"Tail"		
Cement Type:	C	C	Slurry Volume (ft³):	1170	201	Cement Returned (bbl):	81
Cement Top (ft):	0	0	Thickening Time (h.min):	0	0	Excess Cement %:	0
Slurry Weight (ppg):	14.2	14.8	Free Water (cc/30m):	0	0	Mud Returned:	Yes
Mix Water (gal/sx):	7.45	6.31	Fluid Loss (cc/30m):	0	0	Time Plug @Bottom:	0:00
Water Type:	FRESH	FRESH	Comp Str (psi):	0	0	Max Pump PSI:	390
Yield (ft³/sx):	1.5	1.34	Comp Str (h.min):	0	0	Bump PSI:	1034
Sacks:	780	150				Pump Rate (bpm):	7
Lead Additives:	CLASS C + 2% D20 + 2% S1			Tail Additives:	CLASS C + 2% S1		
Comment:	CIRC 81 BBLS OR 303 SX CMT TO SURFACE.						

String	PRODUCTION	Run Date:	12/27/99	Shoe Depth:	7200	Float Collar Depth:	7154	DV Tool Depths:	0	0
CASING										
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth	
1	5.5	5.5	WC50	17	LTC	44	1820	7200	7200	
2	5.5	5.5	WC70	17	LTC	121	5380	5380	5380	
Totals:								165	7200	

CEMENT		Stage: 1		Start Date: 12/27/99		Start Time: 0:00					
	"Lead"	"Tail"		"Lead"	"Tail"						
Cement Type:	35/65H	50/50H	Slurry Volume (ft³):	3647	459	Cement Returned (bbl):	45				
Cement Top (ft):	0	0	Thickening Time (h.min):	0	0	Excess Cement %:	30				
Slurry Weight (ppg):	12.4	14.2	Free Water (cc/30m):	0	0	Mud Returned:	Yes				
Mix Water (gal/sx):	0	0	Fluid Loss (cc/30m):	0	0	Time Plug @Bottom:	0:00				
Water Type:	FRESH	FRESH	Comp Str (psi):	0	0	Max Pump PSI:	1800				
Yield (ft³/sx):	2.14	1.35	Comp Str (h.min):	0	0	Bump PSI:	2300				
Sacks:	1704	340					Pump Rate (bpm):	7			
Lead Additives:	35/65 P/H+6%D20, 5%D44, 1/4#/SKD29				Tail Additives:	50/50/P/H+2%D20, 5%D44, 1/4#/SKD29					
Comment:	GOOD CIRC THROUGHOUT, CIRC 118 SKS OR 45 BBLS TO SURFACE.										

String	PRODUCTION	Run Date:		Shoe Depth:	0	Float Collar Depth:	0	DV Tool Depths:	0	0
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