



String **INTERMEDIATE** Run Date: 9/28/99 Shoe Depth: 4500 Float Collar Depth: 4444 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	WC50	32	LTC	101	4473	4500	4490
<b>Totals:</b>								<b>101</b>	<b>4473</b>

CEMENT							
Stage: 1		Start Date: 9/28/99		Start Time:			
	"Lead"	"Tail"		"Lead"	"Tail"		
Cement Type:	35/65 PH	"H"	Slurry Volume (ft³):	2623	673	Cement Returned (bbl):	61
Cement Top (ft):	0	3500	Thickening Time (h.min):	0	0	Excess Cement %:	0
Slurry Weight (ppg):	12.4	15.6	Free Water (cc/30m):	0	0	Mud Returned:	Yes
Mix Water (gal/sx):	11.95	5.3	Fluid Loss (cc/30m):	0	0	Time Plug @Bottom:	
Water Type:	FRESH	FRESH	Comp Str (psi):	0	0	Max Pump PSI:	1310
Yield (ft³/sx):	2.15	1.18	Comp Str (h.min):	0	0	Bump PSI:	1620
Sacks:	1220	570				Pump Rate (bpm):	8
Lead Additives:	35/65 P/H + 6% D20 + 5% D44 + 1/4#/BBL D29			Tail Additives:		"H" NEAT	
Comment:	CIRC 159 SXS CMT TO SURFACE.						

String **PRODUCTION** Run Date: 11/4/99 Shoe Depth: 12775 Float Collar Depth: 12728 DV Tool Depths: 8895 0

CASING									
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth
1	5.5	5.5	S95	17	LTC	85	3750	12600	12775
2	5.5	5.5	L80	17	LTC	216	9025	12600	12775
<b>Totals:</b>								<b>301</b>	<b>12775</b>

CEMENT							
Stage: 1		Start Date: 11/4/99		Start Time: 0:00			
	"Lead"	"Tail"		"Lead"	"Tail"		
Cement Type:	POZ H		Slurry Volume (ft³):	1485	0	Cement Returned (bbl):	0
Cement Top (ft):	8895	0	Thickening Time (h.min):	4	0	Excess Cement %:	30
Slurry Weight (ppg):	14.2	0	Free Water (cc/30m):	0	0	Mud Returned:	Yes
Mix Water (gal/sx):	6.3	0	Fluid Loss (cc/30m):	0	0	Time Plug @Bottom:	0:00
Water Type:	FRESH		Comp Str (psi):	0	0	Max Pump PSI:	2100
Yield (ft³/sx):	1.35	0	Comp Str (h.min):	0	0	Bump PSI:	2500
Sacks:	1100	0				Pump Rate (bpm):	8
Lead Additives:	50/50 POZ, H, 2% GEL, 5% SALT, 1/4 PPS D29			Tail Additives:			
Comment:							