


 String **SURFACE** Run Date: **7/20/99** Shoe Depth: **425** Float Collar Depth: **377** DV Tool Depths: **0** **0**
CASING

Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth
1	11.75	11.75	WC40	42	STC	10	404	400	425
Totals:								10	404

CEMENT		Stage: 1	Start Date: 7/20/99	Start Time: 0:00			
	"Lead"	"Tail"		"Lead"	"Tail"		
Cement Type:	C	C	Slurry Volume (ft³):	174	201	Cement Returned (bbl):	25
Cement Top (ft):	0	0	Thickening Time (h.min):	0	0	Excess Cement %:	0
Slurry Weight (ppg):	13.5	14.8	Free Water (cc/30m):	0	0	Mud Returned:	Yes
Mix Water (gal/sx):	8.92	6.31	Fluid Loss (cc/30m):	0	0	Time Plug @Bottom:	0:00
Water Type:			Comp Str (psi):	0	0	Max Pump PSI:	150
Yield (ft³/sx):	1.74	1.34	Comp Str (h.min):	0	0	Bump PSI:	500
Sacks:	100	150				Pump Rate (bpm):	5
Lead Additives:	4% D20, 2% S1			Tail Additives:	2% S1		
Comment:							

 String **INTERMEDIATE** Run Date: **7/31/99** Shoe Depth: **4498** Float Collar Depth: **4459** 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	J55	32	LTC	109	4481	4498	4498
Totals:								109	4481

CEMENT	Stage: 1	Start Date: 7/31/99		Start Time:			
	"Lead"	"Tail"		"Lead"	"Tail"		
Cement Type:	35/65	H	Slurry Volume (ft³):	3264	590	Cement Returned (bbl):	181
Cement Top (ft):	0	0	Thickening Time (h.min):	0	0	Excess Cement %:	100
Slurry Weight (ppg):	12.4	15.6	Free Water (cc/30m):	0	0	Mud Returned:	Yes
Mix Water (gal/sx):	11.9	5.2	Fluid Loss (cc/30m):	0	0	Time Plug @Bottom:	
Water Type:	FW	FW	Comp Str (psi):	0	0	Max Pump PSI:	0
Yield (ft³/sx):	2.14	1.18	Comp Str (h.min):	0	0	Bump PSI:	0
Sacks:	1525	500				Pump Rate (bpm):	0
Lead Additives:	6% GEL, 5% SALT, 1/4# FLOSEAL			Tail Additives:		NEAT	
Comment:	CIRC 473 SX TO SURFACE.						

 String **PRODUCTION** Run Date: **9/13/99** Shoe Depth: **12650** Float Collar Depth: **12604** DV Tool Depths: **8901** **0**
CASING

Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth
1	5.5	5.5	M95	17	LTC	87	3564	12500	12650
2	5.5	5.5	WC70	17	LTC	210	9086	12500	12650
Totals:								297	12650

CEMENT		Stage: 1		Start Date: 9/13/99		Start Time: 0:00	
	"Lead"	"Tail"		"Lead"	"Tail"		
Cement Type:	50/50POZ		Slurry Volume (ft³):	1822	0	Cement Returned (bbl):	0
Cement Top (ft):	8901	0	Thickening Time (h.min):	6.3	0	Excess Cement %:	40
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:	2200
Yield (ft³/sx):	1.35	0	Comp Str (h.min):	0	0	Bump PSI:	2200
Sacks:	1350	0				Pump Rate (bpm):	9
Lead Additives:	50/50 POZ, 2% GEL, 5% SALT, 1/4 PPS D29			Tail Additives:			
Comment:							