

Circ Time: 2 hr	Bottom Plug Used:	Cmt Mix	Batch I J: N	Pump Time:
Top Plug Used:	Disp	Plug	Calc/Actual Disp: 164 / 164	
Pipe Movement: None	Circ While Cmtng:	Full	Cmt To Surf: 67-1st Stg	TOC @ : 2600' - Temp Survey
Circ Press-Circ: 370	Begin: 500	Middle: 785	End: 1275	Bump Plug: Yes - 2000 psi
Comments: Circ 67 sx on first stage. Did not circulate cement on second stage. Ran Temp Survey and found cement at 2600'.				

OPERATIONS & EQUIPMENT COSTS				
Casing: 148K	Float Equip:	Mudline Hgr:	Liner Equip:	Cmtg: 36K

VENDORS				
Csg Bull Rogers	Cementing: Halliburton	Float Eq: Trophy	Lnr Eq:	
	Mu	Thrd Insp: HRC	Other:	

Operator's Representative: Wayne Keel	Date: 8-Nov-02
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