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U. S. DEPARTMENT OF THE INTERIOR
Geological Survey
WATER RESOURCES DIVISION

Form 9-276
(July 1957)

STATION NUMBER

LEVEL NOTES

STREAM Santa Fe, B2
LOCALITY Lk Bonney
PARTY MG #, EC # DATE 12/1/99, 19 1230

BEFORE
SHOT

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
RM1	3.848	9.708		5.86	bolt 6 ft. DS, right
RM2			7.182	2.52	bolt 14 ft DS, R
			8.900	0.808	orifice (bad spot)
			6.627	3.081	top of gauge 2.50'
			6.562	3.146	USR corner flnd
			6.609	3.099	US L corner flnd
			6.782	2.926	DS R corner
			6.898	2.810	DSL corner
			9.110	0.598	PZF in flnd @ end of gauge (left side)
	6.993	9.858	7.143	2.715	Turning point
			9.253	0.605	PZF of flnd (LH side)
			9.052	0.806	orifice (bad spot)
			6.764	3.094	top of staff (2.50)
RM2			7.331	2.527	bolt 14' DS, RS
RM1			3.991	5.867	bolt 6' DS, RS
→ @ 1500 we finished moving the orifice					
RM1	3.891	9.851		5.86	bolt 6' DS, RS
RM2			7.328	2.523	bolt 14' DS, RS
			9.222	0.629	orifice
	7.789	9.606	7.544	2.062	TP
			8.977	0.629	orifice
			3.743	5.863	RM1, c' DS, RS

NO. _____ OF _____ SHEETS _____ COMP. BY _____ CHK. BY _____

E/c = +0.003'

got here @ 1230 to fix orifice. flow was low, mostly going thru the L.H. over flow. tried to dig up existing orifice line - no success, so we cut the line, pull out slack and set the orifice @ the edge of the flume, attached to the old pvc pipe, @ ~1500.

@ 1515, OG = 0.0 there is flow, but the flume is sloped to the left & missing the staff.
@ 1517, LH $Q = 0.337 \text{ cfs}$
and $US = 0.22$
 $DS = 0.11$
> PF

RH
and $Q = 0.018 \text{ cfs}$
 $US = 0.04$
 $DS = 0.02$

$$\boxed{\Sigma Q = 0.355}$$

@ 1523, $IG = 1.01$
 $At = 8.6$
 $WT = 11.09$
 $SC = \cancel{11.0} 250.5$
volts = 13.3 +

Water chem collected @ 1535
isotopes collected @ 1540